SUPPLEMENTAL
REMEDIAL INVESTIGATION REPORT

PARCEL G1
Greenpoint Landing
37 Blue Slip
Brooklyn, New York
OER Project Number # 15EH-N082K

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1.0 INTRODUCTION

Langan Engineering, Environmental, Survey and Landscape Architecture, D.P.C. (Langan) prepared this Supplemental Remedial Investigation Report on behalf of Greenpoint Storage Terminal, LLC (GST) for Parcel G1, located at 37 Blue Slip in Brooklyn, New York (the Site). This 67,000-square foot parcel is part of the Greenpoint Landing development project, which will eventually cover approximately 19 acres and is referred to herein as the "development property". The Project Number assigned to the Site by the New York City Office of Environmental Remediation (OER) is 15EH-N082K. An E-Designation for Hazardous Materials and Noise (E-138) was assigned by the New York City Department of City Planning (DCP) as part of the May 11, 2005 Greenpoint-Williamsburg Rezoning (CEQR 04DCP003K).

The supplemental remedial investigation (RI) was completed in accordance with Langan's *Supplemental Remedial Investigation Work Plan for Building G1*, dated August 13, 2014, which was approved by the OER on August 15, 2014. The purpose of the supplemental RI program was to characterize soil, groundwater, and soil vapor quality and add to the existing data set presented in previous studies, including Langan's *Remedial Investigation Report for Parcels E3, D1, D2, F, G and H*, dated May 20, 2014. This report includes a description of sampling methodology, field observations, and a tabulated summary of laboratory analytical results. This report also includes a summary of the results of previous soil, groundwater and soil vapor testing programs performed on Parcel G1.

2.0 BACKGROUND

2.1 Site Description

The Site is located at 37 Blue Slip in the Greenpoint neighborhood of Brooklyn, New York. Parcel G1 encompasses an area of about 67,000 square feet on Lot 100 (formerly p/o Lot 100) of Block 2472. A Site location map is presented as Figure 1. The Site is vacant and unpaved and bound by the East River/Newtown Creek to the north, a vacant lot used by a film production vehicle and truck rental company to the east (Lot 70 of Block 2472 [Parcel H of the development project], formerly p/o Lot 100), a vacant lots to the west (Lots 50 and 65 of Block 2472 [Parcel F1 and F2, respectively, of the development project], formerly p/o Lot 100), and a lot currently under construction (Lot 60 of Block 2472 [Parcel G2 of the development project]) and Commercial Street to the south. An underground New York City Department of Environmental Protection (NYCDEP) combined sewer overflow (CSO) pipe and outfall currently extends across Parcel G1, which may be removed during construction of the G1 building foundation. The Site elevation ranges from about el. 10 feet[1] near Commercial Street to about el. 7 feet near the East River. A Site plan is presented as Figure 2.

2.2 Proposed Development

The proposed development at Parcel G1 includes the construction of a 30-story residential tower with a cellar, waterfront park/esplanade, and an upland connection (including a private driveway). The tower will include approximately 370 market-rate housing units and three levels of aboveground parking. The cellar will be used for parking and may also be used for storage, amenity space and/or building systems (to be determined). The proposed development will require excavating an approximately 26,000-square-foot area to a depth of up to about 10 feet below grade to accommodate the new building and its foundation.

[1] Datum is Borough of Brooklyn Highway Datum (BBHD) which is 2.56 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

3.0 SITE HISTORY

The Site was historically used for light industrial activities including the transfer and storage of lumber, coal, and construction materials and equipment. Coal and lumber storage were the primary uses for more than 100 years from the late 1800s until approximately 1980. The lumber yard operations were phased out during the 1980s when the former owner (Lumber Exchange Terminal, Inc.) began to lease the Site to tenants to use for materials and heavy equipment storage. The Site was leased to trucking companies during the 1980s for materials storage, truck parking, and basic auto repair (e.g. oil changing, truck washing, and tire changing).

4.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

4.1 Phase II Environmental Site Investigations (AKRF 2001 and 2003)

AKRF, Inc. (AKRF) implemented a Phase II Environmental Site Investigation (ESI) and a Supplemental Phase II ESI at the development property in 2001 and 2003, respectively. During these investigations, one soil boring (B14) was advanced on Parcel G1. Two soil samples were collected from B14 for laboratory analysis.

The results of AKRF's two-part investigation are documented in a report titled "*Supplemental Subsurface (Phase II) Investigation Report – Greenpoint Lumber Yard, Brooklyn, New York*," dated April 2004. The soil analytical results from AKRF's investigations are provided in Figure 3. The results of investigations specific to Parcel G1 are summarized below.

1. The stratigraphy includes a surficial layer of historic fill material overlying native fine- to coarse-grained sandy and silty soil. The historic fill generally extends from ground surface to about ten feet below grade surface (bgs) and consists of varying amounts of sand, silt, gravel, and slag, coal, and wood fragments.

2. At B14, no volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCs) exceeded their respective 6 NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs). Polychlorinated biphenyls (PCBs) or pesticides were not detected. In the surficial soil sample (0-2 feet bgs), five metals (barium, copper, lead, mercury, and zinc) that are typical constituents of historic fill, exceeded their respective Unrestricted Use SCOs. Two metals, barium (518 milligrams per kilogram [mg/kg]) and lead (1,870 mg/kg), exceeded their 6 NYCRR Part 375-6.8(b) Restricted-Residential Use SCO of 350 mg/kg and 400 mg/kg, respectively. No metals were detected above their respective Unrestricted Use SCOs in the deeper soil sample (13-15 feet bgs).

4.2 Area-Wide Remedial Investigation

Langan implemented an RI in 2013 for six development parcels (Parcels D1, D2, E3, F, G and H) in accordance with Langan's *Remedial Investigation Work Plan* (RIWP), dated July 24, 2013, which was approved by the OER on August 7, 2013. The area-wide remedial investigation was performed in a two-phased approach starting with the Phase 1 RI (geophysical survey and a soil vapor sampling) and ending with the Phase 2 RI (soil and groundwater sampling).

The following scope of work was performed on Parcel G1 during the area-wide RI:

- Completion of a geophysical survey;
- Installation of one soil vapor sampling point (SV-10) and collection of one soil vapor sample for laboratory analysis;
- Completion of two soil borings (SB-19 and SB-23) and collection of four soil samples for laboratory analysis; and
- Installation of two monitoring wells (MW-19 and MW-23) and collection of two groundwater samples for laboratory analysis.

The results of Langan's area-wide Phase 1 RI and Phase 2 RI are documented in the "*Remedial Investigation Report for Parcels D1, D2, E3, F, G and H of Greenpoint Landing, Brooklyn, New York*," dated May 2, 2014. The soil, soil vapor, and groundwater analytical results from Parcel G1 are presented in Figures 3, 4 and 5, respectively. The results of the RI specific to Parcel G1 are summarized below.

1. The elevation of Parcel G1 ranges from about el. 10 ft near Commercial Street to about el. 7 ft near the East River.

2. The geophysical survey did not identify subsurface anomalies with reflections or signatures consistent with underground storage tanks (USTs).

3. The stratigraphy underlying Parcel G1 includes of a surficial layer of historic fill overlying native fine- to coarse-grained sandy and silty soil. The historic fill generally extends from ground surface to about 10 feet bgs and consists of varying amounts of sand, silt, gravel, coal, coal ash, cinders, slag, and brick, wood, concrete, and asphalt fragments. Depth to bedrock is expected to be more than 50 feet below existing grade.

4. Groundwater elevation is about el. 1.5 ft[2] based on measurements recorded during the RI. Depth to groundwater is about 9 feet below Site grade. Groundwater elevation data across the development property indicate the direction of groundwater flow is to the west towards the East River/Newtown Creek.

[2] Datum is Borough of Brooklyn Highway Datum (BBHD) which is 2.56 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

5. At SB-19, PCBs, pesticides, or herbicides were not detected. VOCs were not detected in soil at concentrations that exceed their Unrestricted Use SCOs. Five SVOCs, all polycyclic aromatic hydrocarbons (PAHs) including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, exceeded their respective Unrestricted Use SCOs in surface soil (0-2 feet bgs) only. Four PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-c,d)pyrene, also exceeded their Restricted-Residential Use SCOs in surface soil only. The total SVOC concentration detected in surface soil (0-2 ft bgs) was 14.49 mg/kg, and the estimated concentration in subsurface soil (7-9 ft bgs) was 0.665 mg/kg. Four metals (arsenic, copper, lead and mercury) were detected above their Unrestricted Use SCOs. Lead also exceeded its Restricted-Residential Use SCO (400 mg/kg) in surface soil at a concentration of 1,800 mg/kg. Arsenic exceeded its Restricted-Residential Use SCO (16 mg/kg) in surface soil at a concentration of 25 mg/kg. Lead and mercury were also detected in subsurface soil above their Unrestricted Use SCOs.

6. At SB-23, herbicides were not detected in soil. VOCs and PCBs were not detected in soil at concentrations above their Unrestricted Use SCOs. Four SVOCs, all PAHs including benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs in surface soil (0-2 feet bgs); benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-c,d)pyrene also exceeded their Restricted-Residential Use SCOs. Seven SVOCs, all PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs in subsurface soil (6.5-8.5 feet bgs); benzo(k)fluoranthene and chrysene also exceeded their Restricted-Residential Use SCOs. The total SVOC concentration detected in surface and subsurface soil was 12.27 mg/kg and 42.39 mg/kg, respectively. The pesticide 4,4-DDD was detected above its Unrestricted Use SCO in surface soil only. Five metals (arsenic, copper, lead, mercury, and zinc) were detected above their Unrestricted Use SCOs in surface and subsurface soil. Mercury also exceeded its Restricted-Residential Use SCO (0.81 mg/kg) in subsurface soil at a concentration of 1.4 mg/kg.

7. No VOCs exceeded their New York State Department of Health (NYSDOH) Air Guidance Values (AGV) in SV-10.

8. At MW-19, no VOCs, PCBs, pesticides, or herbicides were detected in groundwater. Four PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, slightly exceeded their Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA waters. Benzo(a)pyrene exceeded its TOGS SGV (0 µg/L) at a concentration of 0.16 µg/L. Benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene exceeded their TOGS SVG (0.002 µg/L) at concentrations of 0.14 µg/L, 0.05 µg/L, and 0.17 µg/L, respectively. Five metals (iron, lead, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 17,300 µg/L. Lead exceeded its TOGS SGV (25 µg/L) at a total concentration of 43.45 µg/L. Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 47,500 µg/L. Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 737.8 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 93,100 µg/L. Four metals (iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs. Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 3,890 µg/L. Magnesium exceeded its TOGS SGV (35,000 µg/L) at a dissolved concentration of 47,500 µg/L. Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 686.6 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 88,800 µg/L.

9. At MW-23, no VOCs, PCBs, pesticides, or herbicides were detected in groundwater. Two PAHs, including benzo(a)pyrene and benzo(k)fluoranthene, slightly exceeded their TOGS SGVs. Benzo(a)pyrene exceeded its TOGS SGV (0 µg/L) at a concentration of 0.13 µg/L. Benzo(k)fluoranthene exceeded its TOGS SVG (0.002 µg/L) at a concentration of 0.07 µg/L. Five metals (iron, lead, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 30,400 µg/L. Lead exceeded its TOGS SGV (25 µg/L) at a total concentration of 58.18 µg/L. Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 143,000 µg/L. Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 902.2 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 285,000 µg/L. Four metals (iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs. Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 12,200 µg/L. Magnesium exceeded its TOGS SGV (35,000 µg/L) at a dissolved concentration of

134,000 µg/L. Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 747 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 268,000 µg/L.

4.3 Waste Characterization Investigation

A waste characterization investigation was completed for Parcel G1 in September 2013. The waste characterization investigation included soil and groundwater sampling. The purpose of the waste characterization investigation was:

- To perform in-situ characterization to avoid characterizing stockpiles of excavated soil during the proposed development;
- To provide sufficient information to help evaluate construction costs related to management and re-use or disposal of excess soil and groundwater during the planned redevelopment of Parcel G1; and
- To evaluate potential dewatering options (e.g. discharge to a NYCDEP sewer or the East River).

Parcel G1 was divided into a waste characterization grid with ten approximately 2,700-square-foot cells. About 10,000 cubic yards of soil/fill material within the proposed excavation area (about 27,000 square feet) was characterized in-situ at a frequency of 1 sample for every 500 cubic yards (CY). Waste characterization cells were composed of a shallow and deep sample interval, each representing approximately 500 CY of soil. The shallow cell extended from ground surface to approximately five feet bgs and the deep cell extended from approximately five to ten feet bgs. Twenty soil borings were completed within the proposed excavation area. Grab soil samples were analyzed for VOCs only by United States Environmental Protection Agency (USEPA) Method 8260C. Composite soil samples were analyzed for the following parameters:

- SVOCs (USEPA Method 8270D)
- PCBs (USEPA Method 8082A)
- Organochlorine pesticides (USEPA Method 8081B)
- Herbicides (USEPA Method 8151A)
- Target analyte list [TAL] metals (USEPA Method 6010C/7471B)
- Hexavalent chromium (USEPA Method 7196A)
- Cyanide (USEPA Method 9010C/9012A)

- Toxicity characteristic leaching procedure [TCLP] Resource Conservation and Recovery Act (RCRA) metals (USEPA Method 1311)
- Ignitability (USEPA Method 1030)
- Corrosivity (USEPA Method 9045D)
- Cyanide Reactivity (SW846 Chapter 7.3)
- Sulfide Reactivity (SW846 Chapter 7.3)
- Total petroleum hydrocarbons gasoline-range organics (TPH-GRO) (USEPA Method 8015C)
- Total petroleum hydrocarbons diesel-range organics (TPH-DRO) (USEPA Method 8015C)
- Paint filter (USEPA Method 9095A)

One groundwater sample was collected and analyzed for New York City Department of Environmental Protection (NYCDEP) sewer discharge parameters[3] and NYSDEC State Pollutant Discharge Elimination System (SPDES) parameters[4] to evaluate potential dewatering options (e.g. discharge to a NYCDEP sewer or Newtown Creek/East River). The waste characterization analytical soil results are presented in Tables 1A and 1B and Figures 6 and 7. The sampling methodology, field observations and results of the waste characterization investigation are presented in the *Waste Characterization Technical Letter Report for Building G1 and Proposed CSO,* dated November 11, 2013, included in Appendix A.

A review of the analytical soil and groundwater results indicated:

- Seven VOCs, including 1,2-dichloroethane, acetone, benzene, methylene chloride, naphthalene, toluene, and total xylenes, were detected above their Unrestricted Use SCOs in one or more grab soil samples. The VOCs, 1,2-dichloroethane and acetone, exceeded their Unrestricted Use SCOs in sample G1_SB-03B_4-4.5. Methylene chloride exceeded its Unrestricted Use SCO in sample G1_SB-04A_2-2.5. Benzene and total xylenes exceeded their Unrestricted Use SCOs in sample G1_SB-05B_3-3.5. Naphthalene exceeded its Unrestricted Use SCO in sample G1_SB-06A_3-3.5. Toluene

[3] NYCDEP sewer discharge parameters include non-polar material, pH, temperature, flash point, cadmium, hexavalent chromium, copper, lead, mercury, nickel, zinc, benzene, carbon tetrachloride, chloroform, 1,4-dichlorobenzene, ethylbenzene, MTBE, naphthalene, phenol, tetrachloroethylene, toluene, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, total xylenes, total PCBs, total suspended solids, carbonaceous biochemical oxygen demand (CBOD), chloride, total nitrogen, and total solids.
[4] NYSDEC SPDES parameters include pH, temperature, oil and grease, total suspended solids, settable solids, BTEX, MTBE, halogenated VOCs, aromatic VOCs, nitrate and nitrite, and metals.

exceeded its Unrestricted Use SCO in sample G1_SB-06A_7-7.5. None of the VOCs detected in the soil samples exceeded their Restricted-Residential Use SCOs.

- Fourteen SVOCs, including 3-methylphenol, acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, fluoranthene, indeno(1,2,3-c,d)pyrene, naphthalene, phenanthrene, and pyrene exceeded their Unrestricted Use SCOs in one composite soil sample, G1_COMP-10D_5-10. Ten SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-c,d)pyrene, phenanthrene, and pyrene also exceeded their Restricted-Residential Use SCOs in composite soil sample, G1_COMP-10D_5-10.
- Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene exceeded their Unrestricted Use SCOs in sixteen composite soil samples (G1_COMP-01S_0-5, G1_COMP-01D_5-10, G1_COMP-02S_0-5, G1_COMP-02D_5-10, G1_COMP-03S_0-5, G1_COMP-03D_5-10, G1_COMP-04S_0-5, G1_COMP-04D_5-10, G1_COMP-05S_0-5, G1_COMP-05D_5-10, G1_COMP-06D_5-10, G1_COMP-07S_0-5, G1_COMP-07D_5-10, G1_COMP-08S_0-5, G1_COMP-09S_0-5, and G1_COMP-09D_5-10). Seven PAHs also exceeded their Restricted-Residential Use SCOs in G1_COMP-08S_0-5 and G1_COMP-09D_5-10. Six PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene also exceeded their Restricted-Residential SCOs in seven composite soil samples (G1_COMP-01D_5-10, G1_COMP-02S_0-5, G1_COMP-03S_0-5, G1_COMP-04D_5-10, G1_COMP-05S_0-5, G1_COMP-06D_5-10, and G1_COMP-09S_0-5). Five PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene also exceeded their Restricted-Residential Use SCOs in six composite soil samples (G1_COMP-01S_0-5, G1_COMP-02D_5-10, G1_COMP-03D_5-10, G1_COMP-04S_0-5, G1_COMP-05D_5-10, and G1_COMP-07S_0-5)
- Six SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene exceeded their Unrestricted Use SCOs in one composite soil sample, G1_COMP-06S_0-5. Four PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-c,d)pyrene also exceeded their Restricted-Residential SCOs.

- Five SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene exceeded their Unrestricted Use SCOs in one composite soil sample, G1_COMP-10S_0-5. Four PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-c,d)pyrene also exceeded their Restricted-Residential SCOs.
- Two SVOCs, both PAHs, including benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene exceeded their Unrestricted Use and Restricted-Residential Use SCOs in one composite soil sample, G1_COMP-08D_5-10.
- Total SVOC concentrations ranged from 12.265 mg/kg (G1_COMP-08D_5-10) to 134.71 mg/kg (G1_COMP-10D_5-10).
- No PCBs were detected above their Unrestricted Use SCOs.
- No herbicides were detected.
- One pesticide (4,4-DDT) was detected above its Unrestricted Use SCO, but below its Restricted-Residential Use SCO, in four composite soil samples (G1_COMP-02S_0-5, G1_COMP-07D_5-10, G1_COMP-09S_0-5, and G1_COMP-10S_0-5).
- Ten metals (arsenic, barium, beryllium, trivalent chromium, copper, lead, mercury, nickel, selenium and zinc) exceeded their Unrestricted Use SCOs in one or more composite soil samples. Four metals (arsenic, barium, copper, and lead) also exceeded their Restricted-Residential Use SCOs in one or more composite samples. Arsenic concentrations above its Restricted-Residential Use SCO ranged from 17 mg/kg (G1_COMP-04S_0-5) to 54 mg/kg (G1_COMP-01D_5-10). Barium exceeded its Restricted-Residential Use SCO at 420 mg/kg in one composite soil sample, G1_COMP-09D_5-10. Copper concentrations above its Restricted-Residential Use SCO ranged from 300 mg/kg (G1_COMP-04S_0-5) to 2,900 mg/kg (G1_COMP-09D_5-10). Lead concentrations above its Restricted-Residential Use SCO ranged from 410 mg/kg (G1_COMP-03S_0-5) to 1,600 mg/kg (G1_COMP-02S_5-10).
- Based on the TCLP analytical results, lead was found to exceed its maximum concentration for the toxicity characteristic (5.0 mg/L) at a concentration of 5.4 mg/L in one composite soil sample, G1_COMP-05S_0-5.
- A review of the groundwater analytical results indicated no parameters exceeded their NYCDEP limitations for effluent to sanitary or combined sewers and no parameters exceeded their TOGS SGVs for Class I waters with the exception of total lead. Total lead exceeded its TOGS Class I SGV (8 µg/L) at a concentration of 18 µg/L.

5.0 SUPPLEMENTAL REMEDIAL INVESTIGATION

The sampling methodology, field observations, and analytical results from the supplemental remedial investigation are presented below.

5.1 Sampling Methodology

5.1.1 Soil Vapor Investigation

Six soil vapor sampling points (SV-19 to SV-24) were installed by AARCO Environmental Services Corp. (AARCO) of Lindenhurst, New York under the supervision of a Langan field scientist/engineer on August 21, 2014. One soil vapor sample was collected from each soil vapor sampling point on the installation date. In addition, one ambient air sample and one duplicate sample was collected and analyzed for quality assurance/quality control (QA/QC) purposes. A summary of the soil vapor and ambient air samples is presented in Tables 2A and 2B. A GPS hand-held unit was used to record the position of all completed soil vapor sampling locations. The soil vapor sampling locations are presented on Figure 8.

The soil vapor sampling points were installed using a track-mounted Geoprobe™ 75220DT drill rig. Soil borings were advanced using an expendable tip. No soil was extracted, and no soil samples were collected for laboratory analysis at the soil vapor sample locations. The soil vapor probes were installed at depths ranging from 5 to 6 feet bgs. The sample collection points consisted of a 6-inch stainless steel screened-probe and inert 1/4-inch by 3/8-inch Teflon-lined polyethylene tubing. The annulus (i.e., the sampling zone) around the probe was filled with No. 2 pure silica sand to about 6 inches above the top of the probe. A hydrated bentonite seal was installed above the sampling zone up to the ground surface.. An expandable cap was placed on the top end of the sample tubing to keep it clean and dry.

Samples were collected in general accordance with the *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH October 2006). A minimum of three implant volumes (i.e., the volume of the sample probe and tubing) was purged from each sample port at a rate of less than 0.2 liters per minute using a RAE Systems MultiRAE® meter. The purged soil vapor was monitored for volatile organic compounds (VOCs) with the MultiRAE® during purging. A helium tracer gas was used in accordance with the NYSDOH protocols to serve as a QA/QC technique to document the integrity of each soil vapor sampling point seal before and after sampling. A plastic 5-gallon bucket and hydrated bentonite were used to keep the helium

tracer gas in contract with the probe during the seal integrity tests. A helium monitoring instrument was used to analyze a sample of soil vapor for the tracer gas prior to and after sampling. All soil vapor sampling point seals were determined to be adequate before and after sampling was initiated.

Soil vapor samples were collected into laboratory-supplied batch-certified clean 2.7-liter Summa® canisters with calibrated flow controllers. Soil vapor samples were collected over 120 minutes. The ambient air sample was also collected for 120 minutes. The duplicate sample and its parent sample were collected simultaneously using a Swagelok® 1/4-inch stainless steel union tee fitting. A log sheet for each soil vapor sample was completed to record the following:

- Sample identification name;
- Date and time of sample collection;
- Sampling depth;
- Name of the field engineer responsible for sampling;
- Sampling methods and equipment;
- Soil vapor purge volumes;
- Volume of soil vapor extracted;
- Flow rate; and
- Vacuum of canisters before and after sample collection.

Soil vapor sampling logs are provided as Appendix B.

Soil vapor samples and QA/QC samples (ambient air sample and duplicate sample) were submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Alpha Analytical, Inc. of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol and analyzed for VOCs by the United States USEPA Method TO-15. The laboratory was instructed to report all analytical data as an ASP Category B data deliverable, or equivalent, and as an electronic data deliverable (EDD) consistent with the New York State Department of Environmental Conservation (NYSDEC) requirements.

5.1.2 Soil Investigation

Five soil borings (SB-33 to SB-37) were installed by AARCO under the supervision of a Langan

field scientist/engineer on August 20, 2014. A GPS hand-held unit was used to record the position of all completed borings. Boring locations were selected to characterize soil across the proposed waterfront area and upland connection. No soil borings were advanced within the footprint of the proposed G1 building. The soil boring locations are presented on Figure 9.

Soil borings were completed using a track-mounted Geoprobe™ 7822DT direct-push drill rig. Soil samples were collected continuously into macro core barrels lined with 5-foot dedicated acetate sleeves. Extracted soil was screened with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field staff. Soil borings were advanced to 5 feet bgs. Soil boring logs are provided as Appendix C.

Two discrete (grab) soil samples were collected at each borings for laboratory analysis. At each boring location, one soil sample was collected from the 0 to 2 foot interval below surface cover and the second soil sample was collected from the 3 to 5 foot interval. ENCORE® kits (5-gram) were used to collect soil samples for VOC analysis. Additional soil samples were collected at SB-36 (3-5 feet bgs) for matrix-spike/matrix-spike duplicate (MS/MSD) samples (1 per 20 samples). In addition, one field duplicate sample (1 per 20 samples), one field blank samples (1 per 20 samples), and one trip blank (one per cooler of VOC samples) were collected and analyzed for quality assurance/quality control (QA/QC) purposes. A summary of the soil samples and QA/QC samples is presented in Tables 2A and 2B, respectively.

Soil samples and QA/QC samples were collected into laboratory-supplied batch-certified clean glassware and submitted to Alpha Analytical, Inc. of Westborough via courier service under standard chain-of-custody protocols. Soil samples, field duplicates, field blanks, and MS/MSD samples were analyzed for the following parameters:

- Target Compound List (TCL) VOCs by USEPA Method 8260
- TCL SVOCs by USEPA Method 8270
- TCL Pesticides/PCBs by USEPA Method 8081/8082
- TCL Herbicides by USEPA Method 8151
- TAL metals by USEPA Method 6010 and 7471
- Total Cyanide by USEPA Method 9010/9012
- Trivalent Chromium by USEPA Method 3060/107
- Hexavalent Chromium by USEPA Method 3060/7196

Trip blanks were analyzed for VOCs only by USEPA Method 8260C. The laboratory was instructed to report all analytical data as an Analytical Services Protocol (ASP) Category B data deliverable and as an EDD consistent with the NYSDEC requirements. The reported list of soil results was inclusive of all parameters listed in the TCL/TAL standard list and 6 NYCRR Part 375-6.8 and most parameters listed in the NYSDEC Commissioner's Policy CP-51.

5.1.3 Groundwater Investigation

Two monitoring wells (MW-33 to MW-34) were installed by AARCO under the supervision of a Langan field scientist/engineer on August 20, 2014. A GPS hand-held unit was used to record the position of all completed monitoring well locations. In addition, Langan sampled one existing monitoring well (MW-23) installed by Langan during the Phase 2 RI. The location and elevations of the new monitoring wells (top of inner casing) and nearby ground surface were surveyed by Langan, a licensed NYS surveyor. The well locations are presented on Figure 10.

Permanent monitoring wells were constructed at completed soil borings with a Geoprobe® drill rig equipped with a hollow-stem auger (HSA) attachment. Monitoring wells were constructed of two-inch Schedule 40 PVC pipe with 0.010-inch slotted well screen across the groundwater interface (4 to 14 feet bgs) and a #1 Morie silica sand filter pack. A one-foot annular seal of hydrated bentonite was installed above the primary filter pack. The annulus around the solid PVC pipe was filled with drill cuttings up to a cement-bentonite surface seal. All completed monitoring wells were fitted with a locking well cap, a protective case and flush-mounted manhole cover. New and existing monitoring wells were developed with a 12V submersible pump and dedicated polyethylene tubing until the purged water was visibly clear. Well construction logs are provided in Appendix D.

One groundwater sample was collected from each monitoring well in general accordance with NYSDEC DER-10 and USEPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells*. The groundwater samples were collected one week after the monitoring wells were installed using a 12V submersible pump connected to polyethylene tubing. Before a groundwater sample was collected, the well was gauged and then continuously purged until groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) stabilized, to the extent practical, in accordance with the USEPA Low Flow Procedures. A multi-parameter water quality system (YSI 6920) was used to monitor the groundwater quality parameters during

sampling. Purged groundwater was containerized in properly labeled 55-gallon steel drums and stored on-Site prior to off-Site disposal. In addition to the groundwater samples, one field duplicate sample (1 per 20 samples), one field blank sample (1 per 20 samples), one matrix-spike/matrix-spike duplicate (MS/MSD) sample (1 per 20 samples), and trip blanks (one per cooler of VOC samples) were collected and analyzed for quality QA/QC purposes. A summary of the groundwater samples and QA/QC samples is presented in Tables 2A and 2B, respectively. Well sampling logs are provided in Appendix E.

Groundwater samples and QA/QC samples were collected into laboratory-supplied batch-certified clean glassware and submitted to Alpha Analytical, Inc. of Westborough, MA via courier service under standard chain-of-custody protocol. Groundwater samples, field duplicates, field blanks, and MS/MSD samples were analyzed for the following analyses:

- TCL VOCs by USEPA Method 8260
- TCL SVOCs by USEPA Method 8270
- TCL Pesticides/PCBs by USEPA Method 8081/8082
- TCL Herbicides by USEPA Method 8151
- Target Analyte List (TAL) metals (total and dissolved) by USEPA Method 6010 and 7471
- Total Cyanide by USEPA Method 9010/9012
- Trivalent Chromium by USEPA Method 3060/107
- Hexavalent Chromium by USEPA Method 3060/7196

Trip blanks were analyzed for VOCs only by USEPA Method 8260C. The laboratory was instructed to report all analytical data as an ASP Category B data deliverable and as an EDD consistent with the NYSDEC requirements. The reported list of groundwater results was inclusive of all parameters listed in the TCL/TAL standard list.

5.2 Field Observations

The soil vapor sampling points and soil borings were completed at a depth of 5 feet bgs within the surficial layer of historic fill. The historic fill is composed of varying amounts of sand, gravel and brick, ceramic, and asphalt fragments. No visual, olfactory, or PID evidence of petroleum or other gross contamination was identified in any of the completed borings. No PID readings from subsurface strata above background levels were recorded.

5.3 Hydrogeology

Depth to groundwater ranged from about 7.5 to 8 feet bgs (about el. 0.37 ft to el. 2.85 ft NAVD88[5]) based on a synoptic gauging event of three monitoring wells (MW-23, MW-33 and MW-34) on August 28, 2014. The results of the synoptic gauging event are presented in Table 3. A groundwater elevation contour map is presented as Figure 11. The groundwater elevation data indicate the direction of groundwater flow is to the west towards the confluence of the East River and Newtown Creek. Given the proximity to the East River and Newtown Creek, groundwater is expected to experience some level of tidal influence; however, tidal influence was not studied nor quantified as part of the supplemental remedial investigation. No free product was observed during sampling and gauging activities and no PID readings above site background were recorded beneath the inner well cap in any of the three wells.

5.4 Analytical Results

This section summarizes the soil vapor, soil, and groundwater results generated by the supplemental remedial investigation. Langan's *RIWP* and *RIR for Parcels D1, D2, E3, F, G and H* present summaries of soil vapor, soil, and groundwater analytical results generated by previous environmental investigations and interpretations of those analytical results. The findings of this SRI are consistent with those of the *RIR for Parcels D1, D2, E3, F, G and H.* These documents are provided in Appendix A. Six soil vapor samples, ten soil samples, three groundwater samples, and ten QA/QC samples were collected and analyzed as part of the SRI.

- The soil vapor and ambient air sample analytical results were compared to the NYSDOH AGVs. The soil vapor and ambient air analytical results are presented in Table 4 and Figure 8.
- The soil analytical results were compared to the NYSDEC Part 375-6.8(a) SCOs and the NYSDEC Part 375-6.8(b) Restricted Use Restricted-Residential SCOs. The soil analytical results are presented in Tables 5A, 5B, 5C and Figure 9.
- The groundwater analytical results were compared to TOGS SGVs for Class GA waters. The groundwater analytical results are presented in Tables 6A, 6B, 6C and Figure 10.

[5] National Vertical Datum of 1988. Datum refers to the National Vertical Datum of 1988 (NAVD88) which is approximately 1.1 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

The soil and groundwater QA/QC analytical results (field blanks and trip blanks) are presented in Tables 4C and 5C, respectively. Duplicate soil vapor, soil, and groundwater sample analytical results are presented with their parent samples in Tables 4, 5A, 5B, 6A, and 6B, respectively. The full laboratory analytical data reports for soil vapor, soil, and groundwater are included in Appendices F, G, and H, respectively. The soil and groundwater MS/MSD analytical results are included in the data reports in Appendices G and H, respectively. The full ASP Category B data deliverable packages will be made available upon request. A copy of Alpha's ELAP certification is provided as Appendix I.

5.4.1 Soil Vapor Analytical Results

Six soil vapor sample points were completed on Parcel G1: SV-19 through SV-24. One sample was collected from each point and an ambient air sample was collected to document background conditions. A duplicate sample was also collected for QA/QC purposes. No VOCs exceeded their NYSDOH AGVs at SV-19 and SV-20 and in the ambient air sample. TCE exceeded its NYSDOH AGV (5 $\mu g/m^3$) at SV-21, SV-22, SV-23 and SV-24 at concentrations of 109 micrograms per cubic meter ($\mu g/m^3$), 207 $\mu g/m^3$, 118 $\mu g/m^3$, and 349 $\mu g/m^3$, respectively.

5.4.2 Soil Analytical Results

Five soil borings were completed on Parcel G1: SB-33 through SB-37. One sample was collected from surface soil (0-2 feet bgs) and one sample was collected from subsurface soil (3-5 feet bgs) from each boring. Duplicate and MS/MSD samples were also collected for QA/QC purposes.

At SB-33, no VOCs, PCBs, pesticides or herbicides exceeded their Unrestricted Use SCOs. Three VOCs, including m/p-xylene, toluene, and total xylenes were detected at concentrations below their Unrestricted Use SCOs in surface and subsurface soil. Five VOCs, including methyl cyclohexane, m/p-xylene, toluene, trichloroethene, and total xylenes, were detected at concentrations below their Unrestricted Use SCOs in the duplicate sample. Eight SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, and indeno(1,2,3-cd)pyrene) exceeded their Unrestricted Use SCOs in both surface and subsurface soil. Seven of these compounds (all except dibenzofuran in the subsurface sample) also exceeded their Restricted-Residential Use SCOs. Total SVOCs were detected in surface soil at a concentration of 457.75 mg/kg and at a concentration of 306.44 mg/kg in subsurface soil. Seven metals (arsenic, trivalent chromium,

copper, lead, mercury, nickel, and zinc) exceeded their Unrestricted Use SCOs in surface soil. Three metals (copper, lead, and mercury) also exceeded their Restricted-Residential Use SCOs (270 mg/kg, 400 mg/kg, and 0.81 mg/kg, respectively) in surface soil at concentrations of 430 mg/kg, 640 mg/kg, and 2.6 mg/kg, respectively. Four metals (copper, lead, mercury, and zinc) exceeded their Unrestricted Use SCOs in subsurface soil. No metals exceeded their Restricted-Residential Use SCOs in subsurface soil.

At SB-34, no PCBs and herbicides were detected and no VOCs and pesticides exceeded their Unrestricted Use SCOs. Five VOCs, including acetone, m/p-xylene, toluene, trichloroethene, and total xylenes, were detected at concentrations below their Unrestricted Use SCOs in surface soil. Five VOCs, including ethylbenzene, m/p-xylene, toluene, trichloroethene, total xylenes, were detected at concentrations below their Unrestricted Use SCOs in subsurface soil. Five SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene) exceeded their Unrestricted Use SCOs in both surface and subsurface samples. Four of these compounds (all except chrysene) also exceeded their Restricted-Residential Use SCOs in both sample intervals. Total SVOCs were detected in surface soil at a concentration of 20.95 mg/kg and at a concentration of 22.86 mg/kg in subsurface soil. Five metals (copper, lead, mercury, nickel, and zinc) exceeded above their Unrestricted Use SCOs in surface soil. Lead also exceeded its Restricted-Residential Use SCO (400 mg/kg) in surface soil at a concentration of 600 mg/kg. Three metals (lead, mercury, and zinc) exceeded their Unrestricted Use SCOs in subsurface soil. No metals exceeded their Restricted-Residential Use SCOs in subsurface soil.

At SB-35, no herbicides were detected and no VOCs, SVOC, PCBs, or pesticides exceeded their Unrestricted Use SCOs. Four VOCs, including m/p-xylene, toluene, trichloroethene, and total xylenes, were detected at concentrations below their Unrestricted Use SCOs in surface and subsurface soil. Total SVOCs were detected in surface soil at an estimated concentration of 4.664 mg/kg and 2.384 mg/kg in subsurface soil. Three metals (copper, lead, and zinc) exceeded their Unrestricted Use SCOs in surface soil. Lead also exceeded its Restricted-Residential Use SCO (400 mg/kg) in surface soil at a concentration of 440 mg/kg. Five metals (barium, cadmium, lead, mercury, and zinc) were detected above their Unrestricted Use SCOs in subsurface soil. Lead and mercury also exceeded their Restricted-Residential Use SCOs (400 mg/kg and 0.81 mg/kg) in subsurface soil at concentrations of 3,400 mg/kg and 5.5 mg/kg, respectively.

At SB-36, no herbicides were detected and no VOCs, PCBs, or pesticides exceeded their Unrestricted Use SCOs. Six VOCs, including 1,2-dichloroethane, acetone, methylcyclohexane, m/p-xylene, toluene, and total xylenes, were detected at concentrations below their Unrestricted Use SCOs in surface soil. Six VOCs, including acetone, ethylbenzene, o-xylene, m/p-xylene, toluene, total xylenes, were detected at concentrations below their Unrestricted Use SCOs in subsurface soil. One SVOC (indeno(1,2,3-cd)pyrene) exceeded its Restricted-Residential Use SCO in surface and subsurface soil. Total SVOCs were detected in surface soil at a concentration of 9.124 mg/kg and at a concentration of 8.91 mg/kg in subsurface soil. Four metals (copper, lead, mercury, and zinc) exceeded their Unrestricted Use SCOs in surface soil. Three metals (lead, mercury, and zinc) exceeded their Unrestricted Use SCOs in subsurface soil. No metals exceeded their Restricted-Residential Use SCOs in surface or subsurface soil.

At SB-37, no PCBs, pesticides and herbicides were detected and no VOCs exceeded their Unrestricted Use SCOs. Six VOCs, including 2-butanone, acetone, methyl cyclohexane, m/p-xylene, toluene, and total xylenes, were detected at concentrations below their Unrestricted Use SCOs in surface soil. Five VOCs, including 2-butanone, acetone, m/p-xylene, toluene, and total xylenes, were detected at concentrations below their Unrestricted Use SCOs in subsurface soil Seven SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene) exceeded their Unrestricted Use SCOs in both surface and subsurface samples. Six of these compounds (all except benzo(k)fluoranthene) also exceeded their Restricted-Residential Use SCOs in both samples. Total SVOCs were detected in surface soil at a concentration of 61.444 mg/kg and at a concentration of 134.71 mg/kg in subsurface soil. Four metals (copper, lead, mercury, and zinc) exceeded their Unrestricted Use SCOs in surface soil. Lead exceeded its Unrestricted Use SCOs in subsurface soil. No metals exceeded their Restricted-Residential Use SCOs in surface or subsurface soil.

5.4.3 Groundwater Analytical Results

Three monitoring wells were sampled on Parcel G1: MW-23, MW-33 and MW-34. One groundwater sample was collected from each well. Duplicate and MS/MSD samples were also collected for QA/QC purposes.

At MW-23, no PCBs, pesticides, or herbicides were detected. The VOC trans-1,2-dichloroethene (trans-1,2-DCE) exceeded its TOGS SGV (5 micrograms per liter [µg/L]) at a concentration of 7.4 µg/L. Three PAHs (benzo(b)fluoranthene, chrysene, and indeno(1,2,3-

cd)pyrene) exceeded their TOGS SGVs. Benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene exceeded their TOGS SVG (0.002 µg/L) at concentrations of 0.09 µg/L, 0.06 µg/L, and 0.15 µg/L, respectively. Five metals (iron, lead, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 25,400 µg/L. Lead exceeded its TOGS SGV (25 µg/L) at a total concentration of 69.01 µg/L. Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 134,000 µg/L. Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 979.2 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 312,000 µg/L. Four metals (iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs. Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 16,200 µg/L. Magnesium exceeded its TOGS SGV (35,000 µg/L) at a dissolved concentration of 118,000 µg/L. Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 818.2 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 31,300 µg/L.

At MW-33, no PCBs, pesticides, or herbicides were detected. The VOC trans-1,2-DCE exceeded its TOGS SGV (5 µg/L) at a concentration of 20 µg/L. Chrysene exceeded its TOGS SGV (0.002 µg/L) at a concentration of 0.05 µg/L. Four metals (antimony, iron, lead, and sodium) were detected in total concentrations above their TOGS SGVs. Antimony exceeded its TOGS SGV (3 µg/L) at a total concentration of 3.95 µg/L. Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 3,840 µg/L. Lead exceeded its TOGS SGV (25 µg/L) at a total concentration of 98.03 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 123,000 µg/L. Two metals (antimony and sodium) were detected in dissolved concentrations above their TOGS SGVs. Antimony exceeded its TOGS SGV (3 µg/L) at a dissolved concentration of 5.9 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 98,500 µg/L.

At MW-34, no SVOCs, PCBs, pesticides, or herbicides were detected. The VOC trans-1,2-DCE exceeded its TOGS SGV (5 µg/L) at a concentration of 16 µg/L. Five metals (arsenic, iron, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Arsenic exceeded its TOGS SGV (25 µg/L) at a total concentration of 58.5 µg/L. Iron exceeded its TOGS SGV (300 µg/L) at a total concentration of 15,100 µg/L. Magnesium exceeded its TOGS SGV (35,000 µg/L) at a total concentration of 48,900 µg/L. Manganese exceeded its TOGS SGV (300 µg/L) at a total concentration of 1,637 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a total concentration of 357,000 µg/L. Four metals (iron,

magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs in the parent sample. Iron exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 2,030 µg/L. Magnesium exceeded its TOGS SGV (35,000 µg/L) at a dissolved concentration of 46,800 µg/L. Manganese exceeded its TOGS SGV (300 µg/L) at a dissolved concentration of 1,613 µg/L. Sodium exceeded its TOGS SGV (20,000 µg/L) at a dissolved concentration of 318,000 µg/L. Arsenic was detected at a dissolved concentration in the parent sample, but not at a concentration above its TOGS SGV; arsenic was, however, detected above its TOGS AGV in the duplicate sample. Arsenic exceeded its TOGS SGV (25 µg/L) at a dissolved concentration of 28.15 µg/L.

6.0 COMPREHENSIVE ANALYTICAL DATA REVIEW

6.1 Soil Vapor

Eight soil vapor samples and one ambient air sample were collected and analyzed for VOCs as part of two investigations (Phase 1 RI and the Parcel G1 SRI). TCE exceeded its AGV in soil vapor at four sampling locations (SV-21, SV-22, SV-23, and SV-24). No other VOCs were detected above their AGVs in any other soil vapor samples.

The TCE concentrations in soil vapor can be attributed to the low-level concentrations of TCE in historic fill at or in the vicinity of the sampling locations. Soil boring logs for Parcel G1 indicated historic fill with wood and brick fragments. Low-level detections of TCE below its Unrestricted Use SCO in surface and subsurface soil were identified at SB-34 and SB-35, which were co-located with SV-23 and SV-24, respectively. TCE was also detected in groundwater samples collected at MW-18 during the Phase 2 RI and Parcel G1 SRI.

6.2 Soil

Forty-eight soil samples (from nineteen borings) were collected and analyzed during five investigations (AKRF's Phase II ESI, Langan's Waste Characterization of Parcel G1, Langan's Phase 2 RI, and Langan's G1 SRI). The analytical results are generally consistent among the data sets, confirming the presence of historic fill. Based on the data and field observations, releases of petroleum or hazardous substances did not occur at the Site. A comprehensive review of the soil analytical results is presented below:

- The nature and localized distribution of VOCs does not suggest releases of petroleum or other hazardous substances occurred at the Site. The two VOCs (benzene and total xylenes) detected above their Unrestricted Use SCOs in surficial soil at G1_SB-05B are likely attributable to incidental releases of petroleum products from vehicle traffic and/or equipment maintenance operations associated with the Site's historical use. The VOC (1,2-dichloroethane) detected above its Unrestricted Use SCO in surficial soil at G1_SB-03B is likely attributable to the quality of historic fill or incidental releases related to the Site's historical use.
- The SVOCs identified in soil above their Unrestricted Use and Restricted-Residential SCOs were generally uniformly distributed across the Site and limited to historic fill. The PAHs in soil may be attributed to pyrogenic components (e.g., coal fragments,

cinders, ash, or wood fragments) of the historic fill noted in most of the borings or to petrogenic sources, including creosote (a coal tar derivative), which was historically used as a lumber preservative. The concentrations of PAHs in soil are regarded as background concentrations and considered characteristic of properties in the urban environment. The lack of widespread, surficial and high concentrations of naphthalene indicates that wood treatment did not occur with any frequency on the Site. The total SVOC concentrations ranged from 2.384 mg/kg to 1,245.17 mg/kg. The highest concentration of total SVOCs was found in surface soil at G1_COMP-10D. All but four total SVOC concentrations were below 250 mg/kg.

- No PCBs were detected above their Unrestricted Use SCOs. No evidence of primary sources (e.g. transformers) and secondary sources (e.g. carrier fluids) were identified by previous environmental studies (AKRF's Phase I ESA), previous subsurface investigations (AKRF's Phase II ESIs, Langan's Waste Characterization of Parcel G1, and Langan's Phase 2 RI), and the Parcel G1 SRI.
- Pesticides in soil are distributed randomly across the Site and are limited to surficial soil. The presence of pesticides in surficial soil may be attributed to historical application of pesticides, which are known to persist in the environment, or to historic fill material.
- No herbicides were detected above their Unrestricted Use SCOs.
- The suite of metals (arsenic, barium, trivalent chromium, copper, lead, mercury, nickel, and zinc) detected in soil above their Unrestricted Use and Restricted-Residential Use SCOs are characteristic of and attributed to historic fill. No potential current or historical sources of metals related to industrial and/or commercial activity were identified by previous environmental studies (AKRF's Phase I ESA). The concentrations of metals are regarded as background concentrations and considered characteristic of properties in the urban environment. Lead exceeded its maximum concentration for the toxicity characteristic in one composite waste characterization soil sample representing historic fill material from 0-5 feet bgs. The identification of characteristic hazardous lead waste is attributed to the variable nature of historic fill material and is not uncommon in the urban environment.

6.3 Groundwater

Six groundwater samples (from four wells) were collected and analyzed during two investigations (Langan's Phase 2 RI and G1 SRI). The analytical results are consistent with the existing data set and historical site use and do not indicate significant or extensive groundwater

contamination across the site. No PCBs, pesticides, or herbicides were detected in groundwater.

The VOC trans-1,2-DCE was detected above its TOGS SGV (5 µg/L) in all monitoring wells sampled as part of the Parcel G1 SRI at concentrations ranging from 7.4 to 20 µg/L. A source of trans-1,2-DCE was not identified in any soil samples collected as part of the Parcel G1 SRI or other previous investigations. While a known hydraulically upgradient source (NuHart) of chlorinated solvents (including TCE, cis-1,2-DCE, and vinyl chloride) exists adjacent to the Site, because trans-1,2-DCE is not the favored reductive dechlorination pathway for TCE (compared to cis-1,2-DCE), the presence of trans-1,2-DCE in groundwater is not likely related to this hydraulically upgradient source. Possible sources include historic fill, which extends into the groundwater table in areas across the Site, or an unidentified, upgradient and off-site source.

The SVOCs detected in groundwater above their TOGS SGVs were PAHs (i.e., common historic fill constituents) and were also detected in soil across the Site. The presence of PAHs in groundwater is ubiquitous and is attributed to historic fill.

The metals (iron, magnesium, manganese, and sodium) frequently detected in groundwater above their TOGS SGVs are characteristic of brackish (sodium and magnesium) and naturally-occurring groundwater conditions (iron and manganese)). A comparison of the filtered and unfiltered metals detected in groundwater did not indicate a significant reduction in metals concentrations with the exception of arsenic and lead. Lead was detected only in total concentrations above its TOGS SGVs. Antimony and arsenic were also detected in dissolved concentrations above their TOGS SGVs in separate groundwater samples. The presence of arsenic and lead in groundwater is attributed to the presence of suspended solids derived from historic fill, which was generally found to contain arsenic and lead, and extends into the groundwater table. The total and dissolved concentrations of iron, magnesium, and manganese in groundwater can be attributed to the natural weathering of iron-, magnesium-, and manganese-bearing minerals in soil and sediment or brackish groundwater conditions.

7.0 CONCLUSIONS

7.1 Conclusions

Based on the previous analytical results, field observations, and the SRI analytical data presented in this report, the following conclusions were made:

- No potential USTs were identified during the geophysical survey.
- The Site stratigraphy includes a surficial layer of historic fill overlying native fine- to coarse-grained sandy and silty soil. The historic fill generally extends from ground surface to about 10 feet bgs and consists of heterogeneous layers, each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, cinders, and brick, ceramic, concrete and asphalt fragments.
- No visual, olfactory, or PID evidence of petroleum or other gross contamination was identified.
- The analytical results are consistent with the property's historical light industrial use for the storage of coal/lumber and heavy equipment and machinery, confirm the presence of historic fill[6], support and confirm the findings from previous environmental investigations across the Site and development property, and are consistent with comparable waterfront properties in New York City.
- Although the Site functioned as a lumber yard for almost a century, there was no indication in soil and groundwater that lumber treatment (e.g. creosote) occurred with any frequency (if at all) across the Site. The presence of wood fragments in soil borings is the likely source of the inorganic (e.g. arsenic) constituents commonly used in wood finishing, treatment and preservative products, that were detected in surficial and subsurface soil and fill material in localized areas of the Site.
- The nature and localized distribution of VOCs in soil and groundwater does not suggest releases of petroleum or other hazardous substances occurred. The presence of trans-1,2-DCE in groundwater is likely attributable to the presence of historic fill material at the groundwater interface or to a potential unidentified off-site source and is likely not

[6] As defined by NYS DEC's DER-10 Technical Guidance for Site Investigation and Remediation, Section 1.3 (b) 25: "Historic fill material" means non-indigenous or non-native material, historically deposited or disposed in the general area of, or on, a site to create useable land by filling water bodies, wetlands or topographic depressions, which is in no way connected with the subsequent operations at the location of the emplacement, and which was contaminated prior to emplacement. Historic fill may be solid waste including, but not limited to, coal ash, wood ash, municipal solid waste incinerator ash, construction and demolition debris, dredged sediments, railroad ballast, refuse and land clearing debris, which was used prior to October 10, 1962. [see 6 NYCRR 375-1.2(x)]

related to the NuHart site.

- The suite of PAHs found in soil (including benza[a]anthracene, benzo[b]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, and indeno(1,2,3-cd)pyrene) and groundwater (including benzo(a)pyrene, benzo(b)fluoranthene, benzo[k]fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene) at background concentrations above their Restricted Use Restricted-Residential Use SCOs and TOGS SGVs are attributed to historic fill material and are considered characteristic of the urban environment.
- No PCBs were detected in soil above their Unrestricted Use SCOs. No PCBs were detected in groundwater.
- The suite of metals and their concentrations detected in soil above their Restricted Use Restricted-Residential Use SCOs (including barium, arsenic, copper, lead, and mercury) are characteristic of and attributed to historic fill. No potential current or historical sources of metals related to industrial and/or commercial Site activity were identified by previous environmental studies. The concentrations of metals in soil are background concentrations and considered characteristic of the urban environment.
- Lead exceeded its maximum concentration for the toxicity characteristic in one composite waste characterization soil sample representing historic fill material from 0-5 feet bgs. The identification of characteristic hazardous lead waste is attributed to the variable nature of historic fill and is not uncommon in the urban environment.
- The metals (iron, magnesium, manganese, and sodium) detected in groundwater above their TOGS SGVs are characteristic of brackish and naturally-occurring groundwater conditions. The quality of groundwater with respect to metals demonstrates that groundwater directly communicates with the estuarine waters of the East River and Newtown Creek.
- TCE exceeded its AGV in soil vapor at four sampling locations. The reported detections of TCE above its AGV can be attributed to localized sources of TCE in historic fill material proximate to the sampling locations. No other VOCs were detected above their AGVs in any other soil vapor samples. TCE was also detected in groundwater samples collected at MW-18 during the Phase 2 RI and Parcel G1 SRI. .

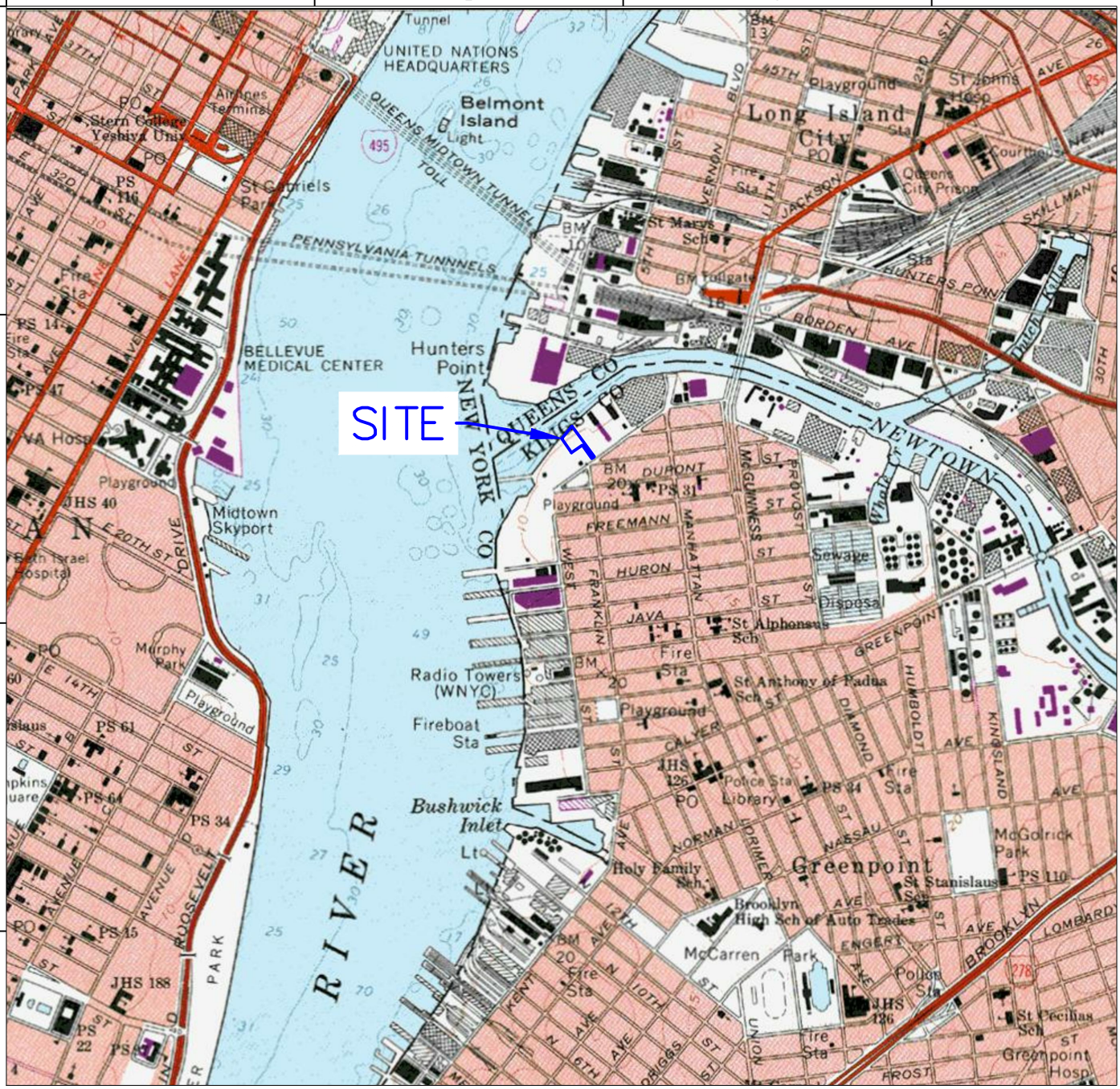
The Supplemental RI together with the results of previous environmental investigations provide sufficient information for establishing remedial action objectives, evaluating remedial action alternatives, and selecting a remedy that is protective of human health and the environment that is consistent with the proposed use of the Site.

8.0 LIMITATIONS

This Supplemental Remedial Investigation Report for Parcel G1 was prepared expressly for Greenpoint Storage Terminal, LLC (GST) for the proposed development at Greenpoint Landing, Brooklyn, New York and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by other professionals. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations.

FIGURES



LEGEND

APPROXIMATE SITE BOUNDARY

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SOURCE: USGS TOPOGRAPHIC QUADRANGLE MAP, BROOKLYN, NY

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Drawing Title
SITE LOCATION MAP
PARCEL G1

Project No. 170229002	Drawing No. 1
Date 10/28/2014	
Scale NTS	
Drawn By GCW	
Submission Date 10/28/2014	Sheet 1 of 11

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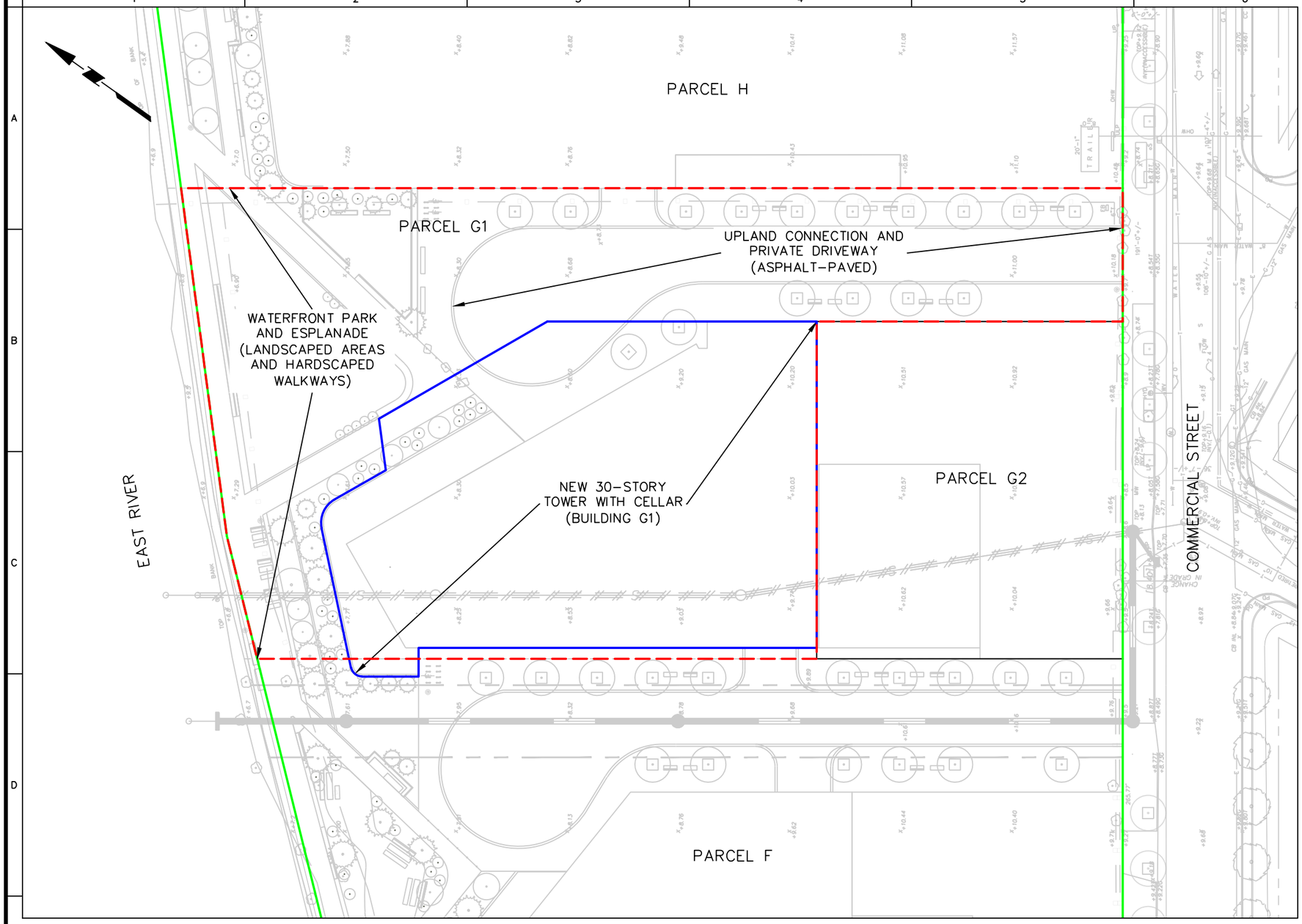

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWINGS "170229001-V-EX0101-L+M" AND "170229001-C-UI0101."
2. NORTH ARROW SHOWS TRUE NORTH.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Drawing Title
SITE PLAN
PARCEL G1

Project No. 170229002	Drawing No. 2
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Scale 1' = 50'	
Drawn By GCW / Checked By MSR	
Submission Date 10/28/2014	Sheet 2 of 11

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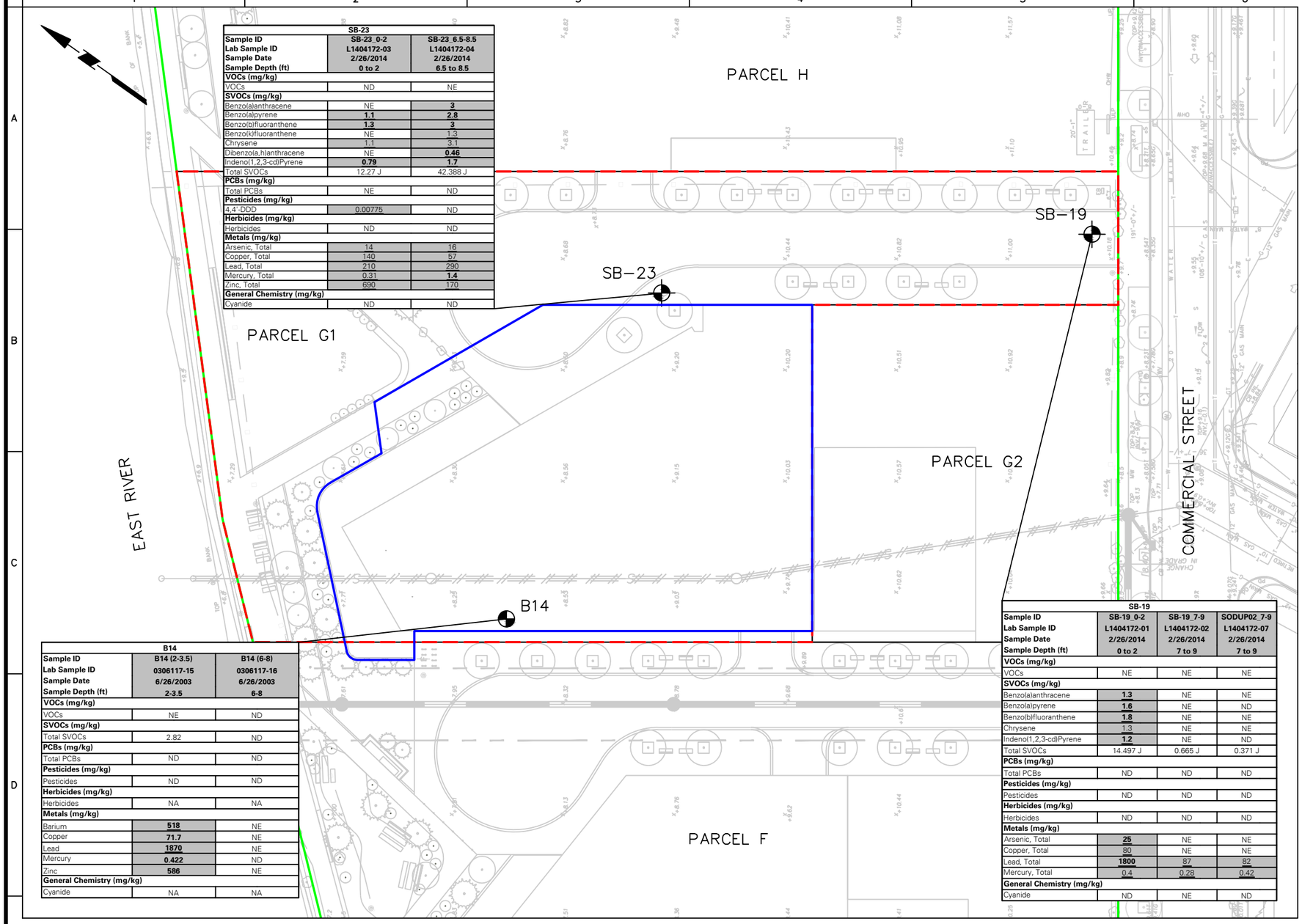

SB-23		
Sample ID	**SB-23_0-2**	**SB-23_6.5-8.5**
Lab Sample ID	**L1404172-03**	**L1404172-04**
Sample Date	**2/26/2014**	**2/26/2014**
Sample Depth (ft)	**0 to 2**	**6.5 to 8.5**
VOCs (mg/kg)		
VOCs	ND	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	NE	**3**
Benzo(a)pyrene	**1.1**	**2.8**
Benzo(b)fluoranthene	**1.3**	**3**
Benzo(k)fluoranthene	NE	1.3
Chrysene	1.1	3.1
Dibenzo(a,h)anthracene	NE	**0.46**
Indeno(1,2,3-cd)Pyrene	**0.79**	**1.7**
Total SVOCs	12.27 J	42.388 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDD	0.00775	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Arsenic, Total	14	16
Copper, Total	140	57
Lead, Total	210	290
Mercury, Total	0.31	**1.4**
Zinc, Total	690	170
General Chemistry (mg/kg)		
Cyanide	ND	ND

B14		
Sample ID	**B14 (2-3.5)**	**B14 (6-8)**
Lab Sample ID	**0306117-15**	**0306117-16**
Sample Date	**6/26/2003**	**6/26/2003**
Sample Depth (ft)	**2-3.5**	**6-8**
VOCs (mg/kg)		
VOCs	NE	ND
SVOCs (mg/kg)		
Total SVOCs	2.82	ND
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Pesticides	ND	ND
Herbicides (mg/kg)		
Herbicides	NA	NA
Metals (mg/kg)		
Barium	**518**	NE
Copper	**71.7**	NE
Lead	**1870**	NE
Mercury	**0.422**	ND
Zinc	**586**	NE
General Chemistry (mg/kg)		
Cyanide	NA	NA

SB-19			
Sample ID	**SB-19_0-2**	**SB-19_7-9**	**SODUP02_7-9**
Lab Sample ID	**L1404172-01**	**L1404172-02**	**L1404172-07**
Sample Date	**2/26/2014**	**2/26/2014**	**2/26/2014**
Sample Depth (ft)	**0 to 2**	**7 to 9**	**7 to 9**
VOCs (mg/kg)			
VOCs	NE	NE	NE
SVOCs (mg/kg)			
Benzo(a)anthracene	**1.3**	NE	NE
Benzo(a)pyrene	**1.6**	NE	ND
Benzo(b)fluoranthene	**1.8**	NE	NE
Chrysene	1.3	NE	NE
Indeno(1,2,3-cd)Pyrene	**1.2**	NE	ND
Total SVOCs	14.497 J	0.665 J	0.371 J
PCBs (mg/kg)			
Total PCBs	ND	ND	ND
Pesticides (mg/kg)			
Pesticides	ND	ND	ND
Herbicides (mg/kg)			
Herbicides	ND	ND	ND
Metals (mg/kg)			
Arsenic, Total	**25**	NE	NE
Copper, Total	80	NE	NE
Lead, Total	**1800**	87	82
Mercury, Total	0.4	0.28	0.42
General Chemistry (mg/kg)			
Cyanide	ND	NE	ND

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)
- B14 — PREVIOUS SOIL BORING LOCATION AND ID (AKRF 2003)
- SB-19 — PREVIOUS SOIL BORING LOCATION AND ID (PHASE 2 RI)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWING "170229001-V-EX0101 AND 170229001-C-UI0101."
2. SOIL BORINGS WERE LOCATED BY GPS.
3. NORTH ARROW SHOWS TRUE NORTH.
4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC 6 NYCRR PART 375-6.8(A,B) AND CP-51 UNRESTRICTED USE AND RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) (TABLE 1).
5. ONLY ANALYTES WITH DETECTIONS ARE SHOWN IN TAG TABLES.
6. CONCENTRATIONS EXCEEDING NYSDEC PART 375-6.8(A) AND CP-51 UNRESTRICTED USE SCOS ARE SHADED AND UNDERLINED.
7. CONCENTRATIONS EXCEEDING NYSDEC PART 375-6.8(B) AND CP-51 RESTRICTED-RESIDENTIAL SCOS ARE SHADED, UNDERLINED, AND BOLDED.
8. VOC – VOLATILE ORGANIC COMPOUND
9. SVOC – SEMIVOLATILE ORGANIC COMPOUND
10. PCB – POLYCHLORINATED BIPHENYL
11. mg/kg – MILLIGRAM PER KILOGRAM
12. NA – NOT ANALYZED
13. NE – RESULTS DO NOT EXCEED CRITERIA
14. ND – NOT DETECTED
15. "~" – CRITERIA DOES NOT EXIST
16. J – THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1	NYSDEC PART 375 AND CP-51 UNRESTRICTED USE SCO	NYSDEC PART 375 AND CP-51 RESTRICTED RESIDENTIAL USE SCO
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)Pyrene	0.5	0.5
Total SVOCs	~	~
Pesticides (mg/kg)		
4,4'-DDD	0.0033	13
Metals (mg/kg)		
Arsenic, Total	13	16
Barium, Total	350	400
Copper, Total	50	270
Lead, Total	63	400
Mercury, Total	0.18	0.81
Zinc, Total	109	10000

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Drawing Title
PREVIOUS SOIL ANALYTICAL RESULTS
PARCEL G1

Project No. 170229002
Date 10/28/2014
Scale 1' = 50'
Drawn By GCW
Checked By MSR
Submission Date 10/28/2014
Drawing No. 3
Sheet 3 of 11

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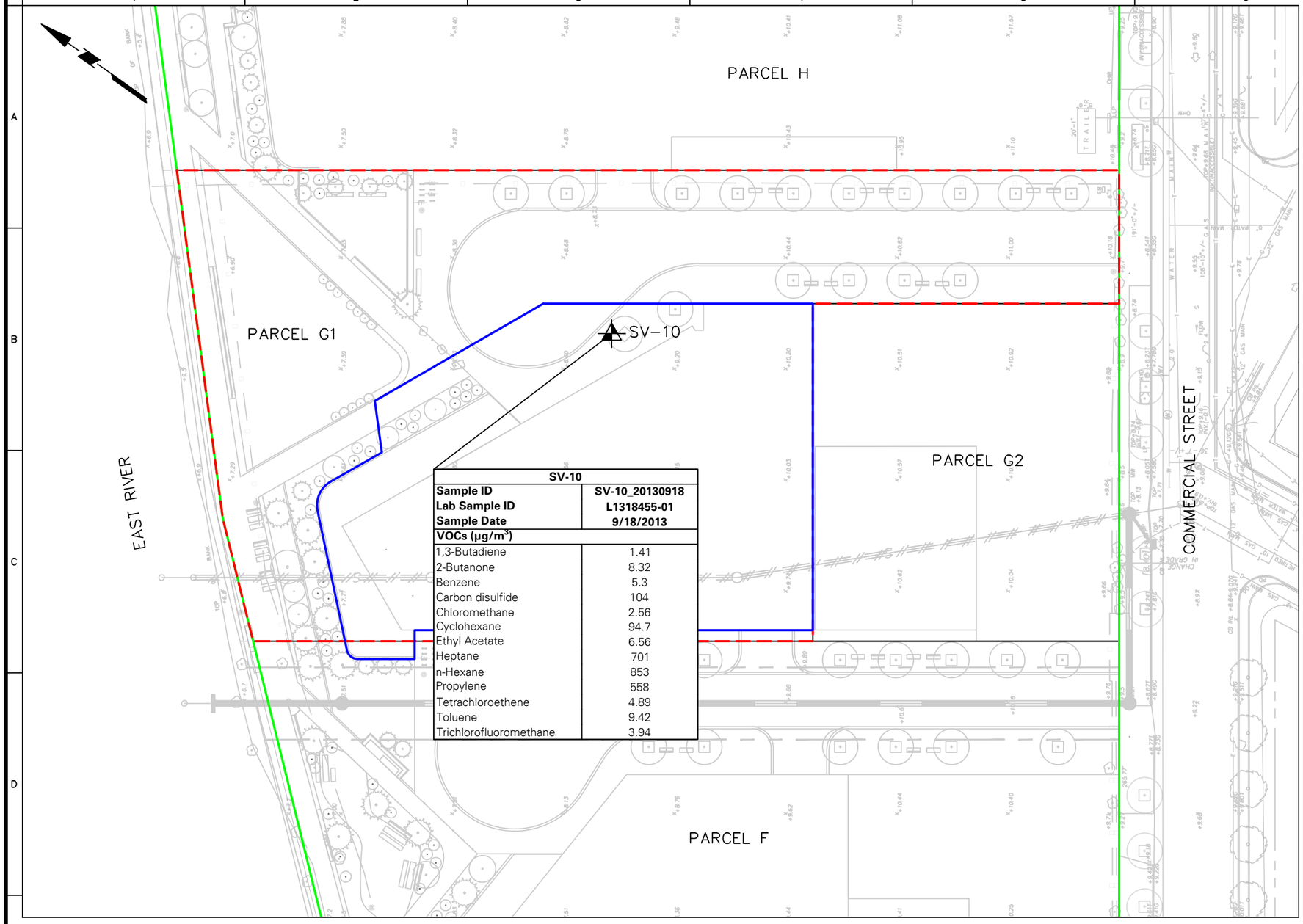

SV-10	
Sample ID	**SV-10_20130918**
Lab Sample ID	**L1318455-01**
Sample Date	**9/18/2013**
VOCs (µg/m³)	
1,3-Butadiene	1.41
2-Butanone	8.32
Benzene	5.3
Carbon disulfide	104
Chloromethane	2.56
Cyclohexane	94.7
Ethyl Acetate	6.56
Heptane	701
n-Hexane	853
Propylene	558
Tetrachloroethene	4.89
Toluene	9.42
Trichlorofluoromethane	3.94

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)
- SV-10 PREVIOUS SOIL VAPOR SAMPLING LOCATION AND ID (PHASE 1 RI)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWING "170229001-V-EX0101-L&M" AND "170229001-C-UI0101."
2. PREVIOUS SOIL VAPOR POINTS WERE SURVEYED BY LANGAN.
3. NORTH ARROW SHOWS TRUE NORTH.
4. SOIL VAPOR ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDELINE VALUE (AGV) (TABLE 1).
5. ONLY ANALYTES WITH DETECTIONS ARE SHOWN IN TAG TABLES..
6. VOC – VOLATILE ORGANIC COMPOUND
7. $\mu g/m^3$ – MICROGRAMS PER CUBIC METER

TABLE 1	NYSDOH AGV
VOCs (µg/m³)	
Methylene chloride	60
Tetrachloroethene	30
Trichloroethene	5

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Drawing Title
PREVIOUS SOIL VAPOR ANALYTICAL RESULTS
PHASE 1 RI
PARCEL G1

Project No. 170229002	Drawing No. 4
Date 10/28/2014	
Scale 1' = 50'	
Drawn By GCW / Checked By MSR	
Submission Date 10/28/2014	Sheet 4 of 11

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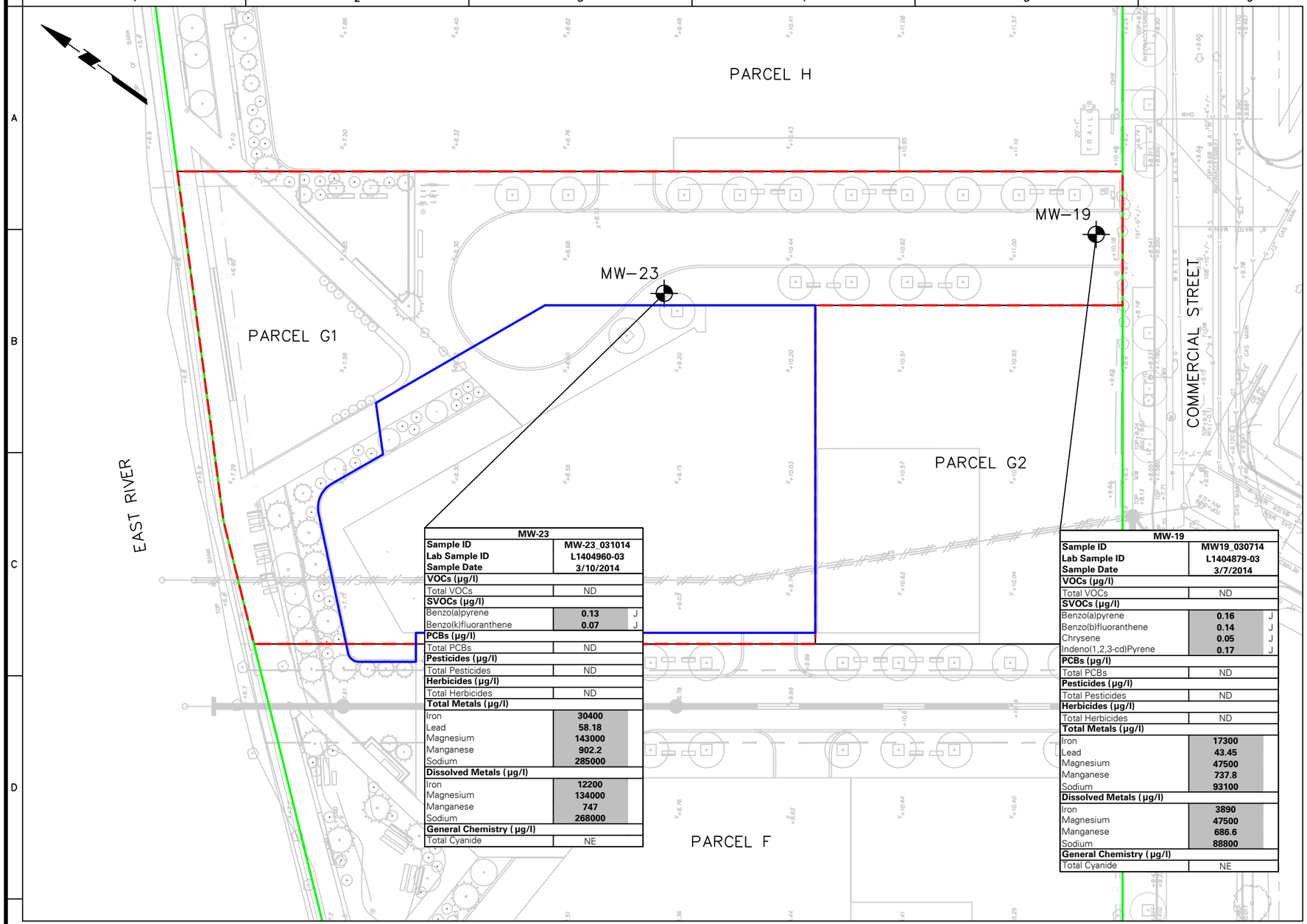

MW-23		
Sample ID	**MW-23_031014**	
Lab Sample ID	**L1404960-03**	
Sample Date	**3/10/2014**	
VOCs (µg/l)		
Total VOCs	ND	
SVOCs (µg/l)		
Benzo(a)pyrene	**0.13**	J
Benzo(k)fluoranthene	**0.07**	J
PCBs (µg/l)		
Total PCBs	ND	
Pesticides (µg/l)		
Total Pesticides	ND	
Herbicides (µg/l)		
Total Herbicides	ND	
Total Metals (µg/l)		
Iron	**30400**	
Lead	**58.18**	
Magnesium	**143000**	
Manganese	**902.2**	
Sodium	**285000**	
Dissolved Metals (µg/l)		
Iron	**12200**	
Magnesium	**134000**	
Manganese	**747**	
Sodium	**268000**	
General Chemistry (µg/l)		
Total Cyanide	NE	

MW-19		
Sample ID	**MW19_030714**	
Lab Sample ID	**L1404879-03**	
Sample Date	**3/7/2014**	
VOCs (µg/l)		
Total VOCs	ND	
SVOCs (µg/l)		
Benzo(a)pyrene	**0.16**	J
Benzo(b)fluoranthene	**0.14**	J
Chrysene	**0.05**	J
Indeno(1,2,3-cd)Pyrene	**0.17**	J
PCBs (µg/l)		
Total PCBs	ND	
Pesticides (µg/l)		
Total Pesticides	ND	
Herbicides (µg/l)		
Total Herbicides	ND	
Total Metals (µg/l)		
Iron	**17300**	
Lead	**43.45**	
Magnesium	**47500**	
Manganese	**737.8**	
Sodium	**93100**	
Dissolved Metals (µg/l)		
Iron	**3890**	
Magnesium	**47500**	
Manganese	**686.6**	
Sodium	**88800**	
General Chemistry (µg/l)		
Total Cyanide	NE	

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)
- MW-19 PREVIOUS MONITORING WELL LOCATION AND ID (PHASE 2 RI)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWING "170229001-V-EX0101 AND 170229001-C-UI0101."
2. MONITORING WELLS WERE SURVEYED BY LANGAN
3. NORTH ARROW SHOWS TRUE NORTH.
4. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (SGV) FOR CLASS GA WATER (TABLE 1).
5. ONLY ANALYTES WITH DETECTIONS ARE SHOWN IN TAG TABLES.
6. CONCENTRATIONS EXCEEDING THE NYSDEC TOGS 1.1.1 SGVS ARE SHADED AND BOLDED.
7. VOC – VOLATILE ORGANIC COMPOUND
8. SVOC – SEMIVOLATILE ORGANIC COMPOUND
9. PCB – POLYCHLORINATED BIPHENYL
10. µG/L – MICROGRAM PER LITER
11. NE – NO EXCEEDANCE
12. ND – NOT DETECTED
13. "~" – CRITERIA DOES NOT EXIST
14. J – THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1	NYSDEC TOGS SGV Class GA
SVOCs (µg/l)	
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)Pyrene	0.002
Total Metals (µg/l)	
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Sodium	20000
Dissolved Metals (µg/l)	
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Sodium	20000

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Drawing Title
PREVIOUS GROUNDWATER ANALYTICAL RESULTS
PHASE 2 RI
PARCEL G1

Project No. 170229002	Drawing No. 5
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Submission Date 10/28/2014	Sheet 5 of 11

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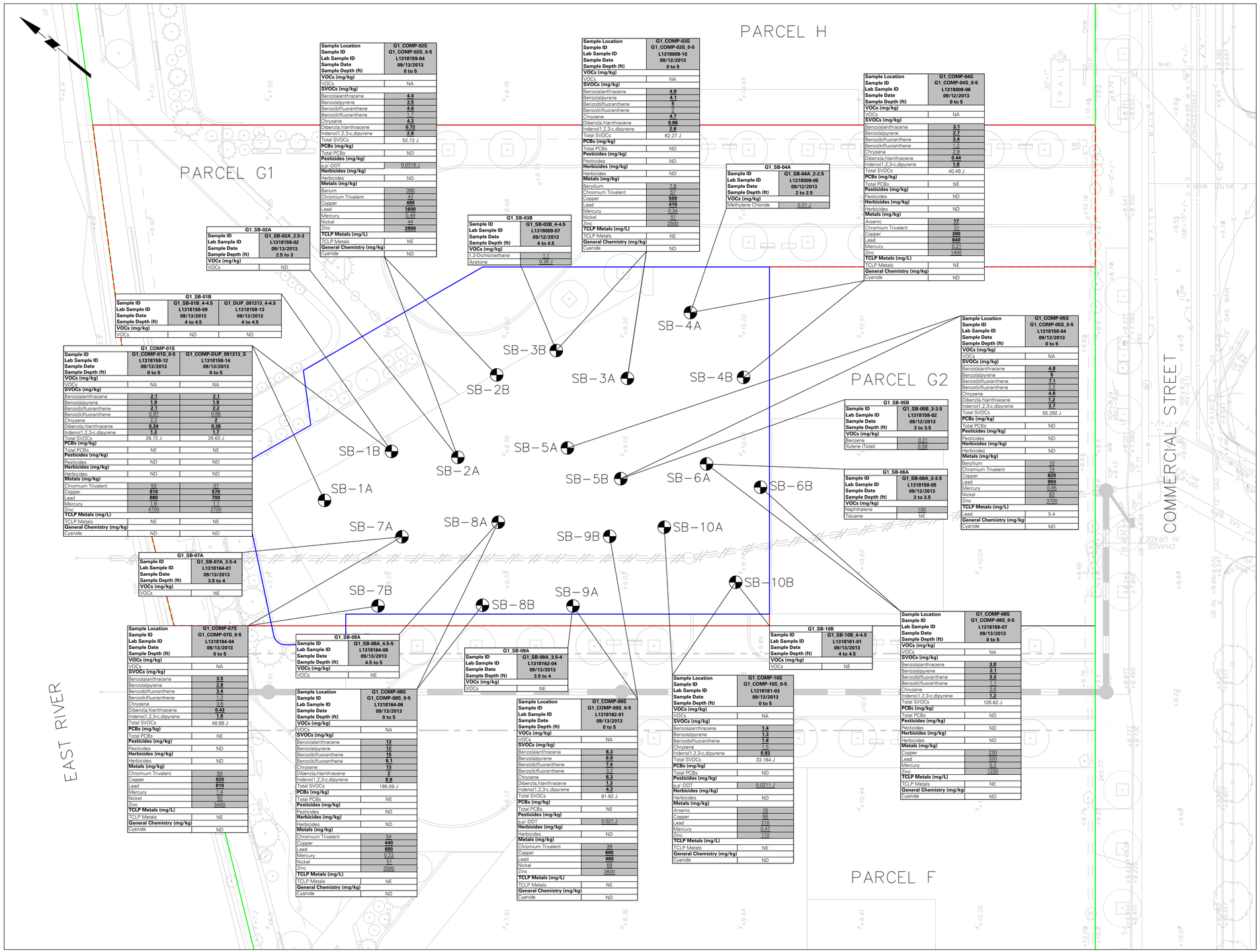

Sample Location	G1_COMP-02S
Sample ID	G1_COMP-02S_0-5
Lab Sample ID	L1318159-04
Sample Date	09/13/2013
Sample Depth (ft)	0 to 5
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	4.4
Benzo(a)pyrene	3.5
Benzo(b)fluoranthene	4.6
Benzo(k)fluoranthene	1.7
Chrysene	4.2
Dibenz(a,h)anthracene	0.72
Indeno(1,2,3-c,d)pyrene	2.6
Total SVOCs	52.72 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
p,p'-DDT	0.0318 J
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Barium	390
Chromium Trivalent	43
Copper	480
Lead	1600
Mercury	0.49
Nickel	44
Zinc	2800
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

Sample Location	G1_COMP-03S
Sample ID	G1_COMP-03S_0-5
Lab Sample ID	L1318009-10
Sample Date	09/12/2013
Sample Depth (ft)	0 to 5
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	4.9
Benzo(a)pyrene	4.1
Benzo(b)fluoranthene	5
Benzo(k)fluoranthene	2
Chrysene	4.7
Dibenz(a,h)anthracene	0.66
Indeno(1,2,3-c,d)pyrene	2.6
Total SVOCs	62.27 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Beryllium	7.8
Chromium Trivalent	57
Copper	500
Lead	410
Mercury	0.34
Nickel	51
Zinc	2500
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

Sample Location	G1_COMP-04S
Sample ID	G1_COMP-04S_0-5
Lab Sample ID	L1318009-06
Sample Date	09/12/2013
Sample Depth (ft)	0 to 5
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	3.1
Benzo(a)pyrene	2.7
Benzo(b)fluoranthene	3.4
Benzo(k)fluoranthene	1.2
Chrysene	2.9
Dibenz(a,h)anthracene	0.44
Indeno(1,2,3-c,d)pyrene	1.8
Total SVOCs	40.49 J
PCBs (mg/kg)	
Total PCBs	NE
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Arsenic	17
Chromium Trivalent	31
Copper	300
Lead	640
Mercury	0.21
Zinc	1400
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

G1_SB-02A	
Sample ID	G1_SB-02A_2.5-3
Lab Sample ID	L1318159-02
Sample Date	09/13/2013
Sample Depth (ft)	2.5 to 3
VOCs (mg/kg)	
VOCs	ND

G1_SB-03B	
Sample ID	G1_SB-03B_4-4.5
Lab Sample ID	L1318009-07
Sample Date	09/12/2013
Sample Depth (ft)	4 to 4.5
VOCs (mg/kg)	
1,2-Dichloroethane	1.1
Acetone	0.26 J

G1_SB-04A	
Sample ID	G1_SB-04A_2-2.5
Lab Sample ID	L1318009-05
Sample Date	09/12/2013
Sample Depth (ft)	2 to 2.5
VOCs (mg/kg)	
Methylene Chloride	0.21 J

G1_SB-01B		
Sample ID	G1_SB-01B_4-4.5	G1_DUP_091313_4-4.5
Lab Sample ID	L1318158-09	L1318158-13
Sample Date	09/13/2013	09/13/2013
Sample Depth (ft)	4 to 4.5	4 to 4.5
VOCs (mg/kg)		
VOCs	ND	ND

Sample Location	G1_COMP-05S
Sample ID	G1_COMP-05S_0-5
Lab Sample ID	L1318158-04
Sample Date	09/12/2013
Sample Depth (ft)	0 to 5
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	4.8
Benzo(a)pyrene	5
Benzo(b)fluoranthene	7.1
Benzo(k)fluoranthene	2.2
Chrysene	4.8
Dibenz(a,h)anthracene	1.2
Indeno(1,2,3-c,d)pyrene	3.7
Total SVOCs	55.292 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Beryllium	10
Chromium Trivalent	74
Copper	620
Lead	950
Mercury	0.85
Nickel	63
Zinc	3700
TCLP Metals (mg/L)	
Lead	5.4
General Chemistry (mg/kg)	
Cyanide	ND

G1_SB-05B	
Sample ID	G1_SB-05B_3-3.5
Lab Sample ID	L1318158-02
Sample Date	09/12/2013
Sample Depth (ft)	3 to 3.5
VOCs (mg/kg)	
Benzene	0.21
Xylene (Total)	0.59

G1_SB-06A	
Sample ID	G1_SB-06A_3-3.5
Lab Sample ID	L1318158-05
Sample Date	09/13/2013
Sample Depth (ft)	3 to 3.5
VOCs (mg/kg)	
Naphthalene	100
Toluene	NE

G1_COMP-01S		
Sample ID	G1_COMP-01S_0-5	G1_COMP-DUP_091313_S
Lab Sample ID	L1318158-12	L1318158-14
Sample Date	09/13/2013	09/13/2013
Sample Depth (ft)	0 to 5	0 to 5
VOCs (mg/kg)		
VOCs	NA	NA
SVOCs (mg/kg)		
Benzo(a)anthracene	2.1	2.1
Benzo(a)pyrene	1.9	1.9
Benzo(b)fluoranthene	2.1	2.2
Benzo(k)fluoranthene	0.97	0.98
Chrysene	2.2	2
Dibenz(a,h)anthracene	0.34	0.36
Indeno(1,2,3-c,d)pyrene	1.3	1.7
Total SVOCs	26.72 J	26.63 J
PCBs (mg/kg)		
Total PCBs	NE	NE
Pesticides (mg/kg)		
Pesticides	ND	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Chromium Trivalent	53	37
Copper	810	570
Lead	860	700
Mercury	1.6	1.1
Zinc	4700	2700
TCLP Metals (mg/L)		
TCLP Metals	NE	NE
General Chemistry (mg/kg)		
Cyanide	ND	ND

G1_SB-07A	
Sample ID	G1_SB-07A_3.5-4
Lab Sample ID	L1318164-01
Sample Date	09/13/2013
Sample Depth (ft)	3.5 to 4
VOCs (mg/kg)	
VOCs	NE

Sample Location	G1_COMP-06S
Sample ID	G1_COMP-06S_0-5
Lab Sample ID	L1318158-07
Sample Date	09/13/2013
Sample Depth (ft)	0 to 5
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	3.8
Benzo(a)pyrene	2.1
Benzo(b)fluoranthene	3.3
Benzo(k)fluoranthene	1.1
Chrysene	3.6
Indeno(1,2,3-c,d)pyrene	1.2
Total SVOCs	105.62 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Copper	230
Lead	320
Mercury	0.2
Zinc	1200
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

G1_SB-10B	
Sample ID	G1_SB-10B_4-4.5
Lab Sample ID	L1318161-01
Sample Date	09/13/2013
Sample Depth (ft)	4 to 4.5
VOCs (mg/kg)	
VOCs	NE

G1_SB-08A	
Sample ID	G1_SB-08A_4.5-5
Lab Sample ID	L1318164-08
Sample Date	09/13/2013
Sample Depth (ft)	4.5 to 5
VOCs (mg/kg)	
VOCs	NE

G1_SB-09A	
Sample ID	G1_SB-09A_3.5-4
Lab Sample ID	L1318162-04
Sample Date	09/13/2013
Sample Depth (ft)	3.5 to 4
VOCs (mg/kg)	
VOCs	NE

Sample Location	G1_COMP-07S
Sample ID	G1_COMP-07S_0-5
Lab Sample ID	L1318164-04
Sample Date	09/13/2013
Sample Depth (ft)	0 to 5
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	3.5
Benzo(a)pyrene	2.8
Benzo(b)fluoranthene	3.4
Benzo(k)fluoranthene	1.3
Chrysene	3.6
Dibenz(a,h)anthracene	0.43
Indeno(1,2,3-c,d)pyrene	1.8
Total SVOCs	40.88 J
PCBs (mg/kg)	
Total PCBs	NE
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Chromium Trivalent	54
Copper	920
Lead	810
Mercury	1.4
Nickel	92
Zinc	5400
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

Sample Location	G1_COMP-08S
Sample ID	G1_COMP-08S_0-5
Lab Sample ID	L1318164-06
Sample Date	09/13/2013
Sample Depth (ft)	0 to 5
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	13
Benzo(a)pyrene	12
Benzo(b)fluoranthene	15
Benzo(k)fluoranthene	6.1
Chrysene	13
Dibenz(a,h)anthracene	2
Indeno(1,2,3-c,d)pyrene	8.9
Total SVOCs	195.59 J
PCBs (mg/kg)	
Total PCBs	NE
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Chromium Trivalent	54
Copper	440
Lead	680
Mercury	0.22
Nickel	51
Zinc	2500
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

Sample Location	G1_COMP-09S
Sample ID	G1_COMP-09S_0-5
Lab Sample ID	L1318162-01
Sample Date	09/13/2013
Sample Depth (ft)	0 to 5
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	6.3
Benzo(a)pyrene	6.8
Benzo(b)fluoranthene	7.4
Benzo(k)fluoranthene	3.2
Chrysene	6.3
Dibenz(a,h)anthracene	1.3
Indeno(1,2,3-c,d)pyrene	4.2
Total SVOCs	81.82 J
PCBs (mg/kg)	
Total PCBs	NE
Pesticides (mg/kg)	
p,p'-DDT	0.021 J
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Chromium Trivalent	39
Copper	680
Lead	460
Nickel	69
Zinc	3800
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

Sample Location	G1_COMP-10S
Sample ID	G1_COMP-10S_0-5
Lab Sample ID	L1318161-03
Sample Date	09/13/2013
Sample Depth (ft)	0 to 5
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	1.4
Benzo(a)pyrene	1.3
Benzo(b)fluoranthene	1.6
Chrysene	1.5
Indeno(1,2,3-c,d)pyrene	0.93
Total SVOCs	33.164 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
p,p'-DDT	0.0211 J
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Arsenic	16
Copper	66
Lead	210
Mercury	0.47
Zinc	110
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)
- SB-1A — PREVIOUS SOIL BORING LOCATION AND ID (LANGAN 2013)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWINGS "170229001-V-EX0101 AND 170229001-C-UI0101."
2. SOIL BORING LOCATIONS WERE LOCATED BY GPS.
3. NORTH ARROW SHOWS TRUE NORTH.
4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC 6 NYCRR PART 375-6.8(A,B) AND CP-51 UNRESTRICTED USE AND RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) (TABLE 1).
5. ONLY ANALYTES WITH DETECTIONS ARE SHOWN IN TAG TABLES.
6. CONCENTRATIONS EXCEEDING THE NYSDEC PART 375-6.8(A) UNRESTRICTED USE SCOS ARE SHADED AND UNDERLINED.
7. CONCENTRATIONS EXCEEDING THE NYSDEC PART 375-6.8(B) RESTRICTED-RESIDENTIAL SCOS ARE SHADED, UNDERLINED, AND BOLDED.
8. VOC – VOLATILE ORGANIC COMPOUND
9. SVOC – SEMIVOLATILE ORGANIC COMPOUND
10. PCB – POLYCHLORINATED BIPHENYL
11. mg/kg – MILLIGRAMS PER KILOGRAM
12. NA – NOT ANALYZED
13. NE – RESULTS DO NOT EXCEED CRITERIA
14. ND – NOT DETECTED
15. "~" – CRITERIA DOES NOT EXIST
16. J – THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1

TABLE 1	NYSDEC PART 375 AND CP-51 UNRESTRICTED USE SCO	NYSDEC PART 375 AND CP-51 RESTRICTED-RESIDENTIAL USE SCO
VOCs (mg/kg)		
1,2-Dichloroethane	0.02	3.1
Acetone	0.05	100
Benzene	0.06	4.8
Methylene Chloride	0.05	100
Naphthalene	12	100
Toluene	0.7	100
SVOCs (mg/kg)		
3-Methylphenol	0.33	100
Acenaphthene	20	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenz(a,h)anthracene	0.33	0.33
Dibenzofuran	7	59
Fluoranthene	100	100
Indeno(1,2,3-c,d)pyrene	0.5	0.5
Naphthalene	12	100
Phenanthrene	100	100
Pyrene	100	100
Total SVOCs	~	~
PCBs (mg/kg)		
Total PCBs	0.1	1
Pesticides (mg/kg)		
p,p'-DDT	0.0033	7.9
Metals (mg/kg)		
Arsenic	13	16
Barium	350	400
Beryllium	7.2	72
Chromium Trivalent	30	180
Copper	50	270
Lead	63	400
Mercury	0.18	2.8
Nickel	30	310
Selenium	3.9	180
Zinc	109	10000
General Chemistry (mg/kg)		
Cyanide	27	40

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

20 0 5 10 20
SCALE IN FEET

Date	Description	No.

REVISIONS

SIGNATURE DATE SIGNED
PROFESSIONAL XXXXXXXXXX
STATE LIC. No. XXXXX

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Project
GREENPOINT LANDING
BLOCK No. 2472, LOT No. 100
BROOKLYN
KINGS NEW YORK

Drawing Title
PREVIOUS SOIL ANALYTICAL RESULTS
WASTE CHARACTERIZATION (SHALLOW INTERVAL 0-5')
PARCEL G1

Project No.	170229002
Date	10/28/2014
Scale	1" = 20'
Drawn By	LJM
Submission Date	10/28/2014

6

Sheet 6 of 11

PROJECT No. ######## SUBMISSION DATE: XXXXX ##,#### LANGAN

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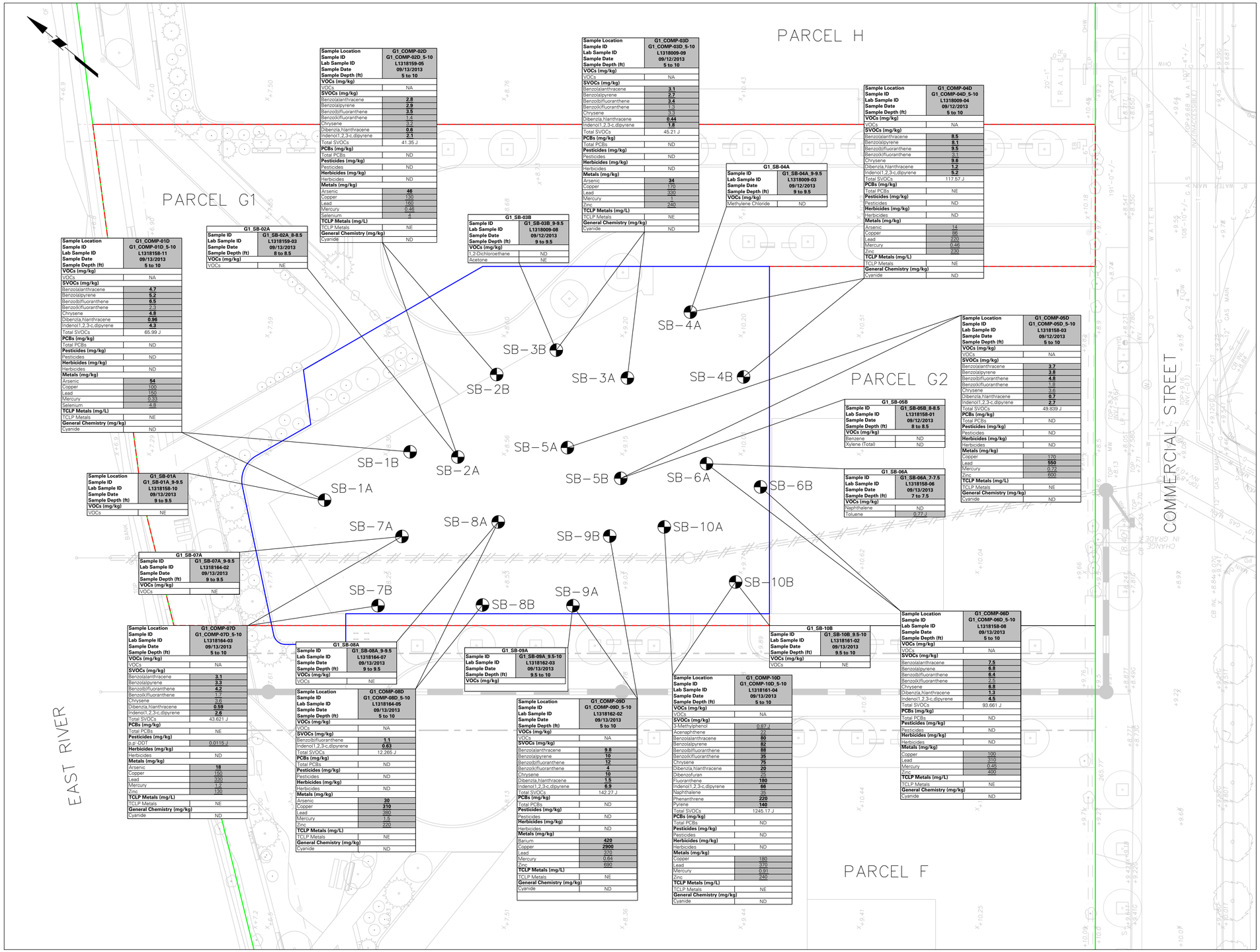
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-Supplemental RI Reports\Supplemental RI Report - Parcel G1\Previous Soil Results - G1 - WC - Shallow.dwg Date: 10/28/2014 Time: 09:40 User: gwyka Style Table: Langan.stb Layout: ARCHD-BL



Sample Location	G1_COMP-02D
Sample ID	G1_COMP-02D_5-10
Lab Sample ID	L1318159-05
Sample Date	09/13/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	2.8
Benzo(a)pyrene	2.9
Benzo(b)fluoranthene	3.5
Benzo(k)fluoranthene	1.4
Chrysene	3.2
Dibenz(a,h)anthracene	0.6
Indeno(1,2,3-c,d)pyrene	2.1
Total SVOCs	41.35 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Arsenic	46
Copper	130
Lead	160
Mercury	0.46
Selenium	4
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

Sample Location	G1_COMP-03D
Sample ID	G1_COMP-03D_5-10
Lab Sample ID	L1318009-09
Sample Date	09/12/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	3.1
Benzo(a)pyrene	2.7
Benzo(b)fluoranthene	3.4
Benzo(k)fluoranthene	1.3
Chrysene	3.3
Dibenz(a,h)anthracene	0.44
Indeno(1,2,3-c,d)pyrene	1.8
Total SVOCs	45.21 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Arsenic	34
Copper	170
Lead	330
Mercury	2.7
Zinc	240
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

Sample Location	G1_COMP-04D
Sample ID	G1_COMP-04D_5-10
Lab Sample ID	L1318009-04
Sample Date	09/12/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	8.5
Benzo(a)pyrene	8.1
Benzo(b)fluoranthene	9.5
Benzo(k)fluoranthene	3.1
Chrysene	9.6
Dibenz(a,h)anthracene	1.2
Indeno(1,2,3-c,d)pyrene	5.2
Total SVOCs	117.57 J
PCBs (mg/kg)	
Total PCBs	NE
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Arsenic	14
Copper	86
Lead	220
Mercury	0.46
Zinc	230
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

G1_SB-04A	
Sample ID	G1_SB-04A_9-9.5
Lab Sample ID	L1318009-03
Sample Date	09/12/2013
Sample Depth (ft)	9 to 9.5
VOCs (mg/kg)	
Methylene Chloride	ND

G1_SB-03B	
Sample ID	G1_SB-03B_9-9.5
Lab Sample ID	L1318009-08
Sample Date	09/12/2013
Sample Depth (ft)	9 to 9.5
VOCs (mg/kg)	
1,2-Dichloroethane	ND
Acetone	NE

G1_SB-02A	
Sample ID	G1_SB-02A_8-8.5
Lab Sample ID	L1318159-03
Sample Date	09/13/2013
Sample Depth (ft)	8 to 8.5
VOCs (mg/kg)	
VOCs	NE

Sample Location	G1_COMP-01D
Sample ID	G1_COMP-01D_5-10
Lab Sample ID	L1318158-11
Sample Date	09/13/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	4.7
Benzo(a)pyrene	5.2
Benzo(b)fluoranthene	6.5
Benzo(k)fluoranthene	2.3
Chrysene	4.8
Dibenz(a,h)anthracene	0.96
Indeno(1,2,3-c,d)pyrene	4.3
Total SVOCs	65.99 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Arsenic	54
Copper	100
Lead	150
Mercury	0.33
Selenium	4.8
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

Sample Location	G1_COMP-05D
Sample ID	G1_COMP-05D_5-10
Lab Sample ID	L1318158-03
Sample Date	09/12/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	3.7
Benzo(a)pyrene	3.8
Benzo(b)fluoranthene	4.8
Benzo(k)fluoranthene	1.8
Chrysene	3.6
Dibenz(a,h)anthracene	0.7
Indeno(1,2,3-c,d)pyrene	2.7
Total SVOCs	49.839 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Copper	170
Lead	550
Mercury	0.72
Zinc	600
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

G1_SB-05B	
Sample ID	G1_SB-05B_8-8.5
Lab Sample ID	L1318158-01
Sample Date	09/12/2013
Sample Depth (ft)	8 to 8.5
VOCs (mg/kg)	
Benzene	ND
Xylene (Total)	ND

G1_SB-06A	
Sample ID	G1_SB-06A_7-7.5
Lab Sample ID	L1318158-06
Sample Date	09/13/2013
Sample Depth (ft)	7 to 7.5
VOCs (mg/kg)	
Naphthalene	ND
Toluene	0.77 J

Sample Location	G1_SB-01A
Sample ID	G1_SB-01A_9-9.5
Lab Sample ID	L1318158-10
Sample Date	09/13/2013
Sample Depth (ft)	9 to 9.5
VOCs (mg/kg)	
VOCs	NE

G1_SB-07A	
Sample ID	G1_SB-07A_9-9.5
Lab Sample ID	L1318164-02
Sample Date	09/13/2013
Sample Depth (ft)	9 to 9.5
VOCs (mg/kg)	
VOCs	NE

Sample Location	G1_COMP-07D
Sample ID	G1_COMP-07D_5-10
Lab Sample ID	L1318164-03
Sample Date	09/13/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	3.1
Benzo(a)pyrene	3.3
Benzo(b)fluoranthene	4.2
Benzo(k)fluoranthene	1.7
Chrysene	3.6
Dibenz(a,h)anthracene	0.59
Indeno(1,2,3-c,d)pyrene	2.6
Total SVOCs	43.621 J
PCBs (mg/kg)	
Total PCBs	NE
Pesticides (mg/kg)	
p,p'-DDT	0.0115 J
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Arsenic	18
Copper	150
Lead	330
Mercury	1.2
Zinc	130
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

G1_SB-08A	
Sample ID	G1_SB-08A_9-9.5
Lab Sample ID	L1318164-07
Sample Date	09/13/2013
Sample Depth (ft)	9 to 9.5
VOCs (mg/kg)	
VOCs	NE

Sample Location	G1_COMP-08D
Sample ID	G1_COMP-08D_5-10
Lab Sample ID	L1318164-05
Sample Date	09/13/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(b)fluoranthene	1.1
Indeno(1,2,3-c,d)pyrene	0.63
Total SVOCs	12.265 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Arsenic	30
Copper	310
Lead	380
Mercury	1.5
Zinc	220
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

G1_SB-09A	
Sample ID	G1_SB-09A_9.5-10
Lab Sample ID	L1318162-03
Sample Date	09/13/2013
Sample Depth (ft)	9.5 to 10
VOCs (mg/kg)	

Sample Location	G1_COMP-09D
Sample ID	G1_COMP-09D_5-10
Lab Sample ID	L1318162-02
Sample Date	09/13/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	9.8
Benzo(a)pyrene	10
Benzo(b)fluoranthene	12
Benzo(k)fluoranthene	4
Chrysene	10
Dibenz(a,h)anthracene	1.5
Indeno(1,2,3-c,d)pyrene	6.9
Total SVOCs	142.27 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Barium	420
Copper	2900
Lead	370
Mercury	0.64
Zinc	690
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

G1_SB-10B	
Sample ID	G1_SB-10B_9.5-10
Lab Sample ID	L1318161-02
Sample Date	09/13/2013
Sample Depth (ft)	9.5 to 10
VOCs (mg/kg)	
VOCs	NE

Sample Location	G1_COMP-06D
Sample ID	G1_COMP-06D_5-10
Lab Sample ID	L1318158-08
Sample Date	09/13/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
Benzo(a)anthracene	7.5
Benzo(a)pyrene	6.8
Benzo(b)fluoranthene	6.4
Benzo(k)fluoranthene	2.5
Chrysene	6.8
Dibenz(a,h)anthracene	1.3
Indeno(1,2,3-c,d)pyrene	4.5
Total SVOCs	93.661 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Copper	100
Lead	310
Mercury	0.45
Zinc	400
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

Sample Location	G1_COMP-10D
Sample ID	G1_COMP-10D_5-10
Lab Sample ID	L1318161-04
Sample Date	09/13/2013
Sample Depth (ft)	5 to 10
VOCs (mg/kg)	
VOCs	NA
SVOCs (mg/kg)	
3-Methylphenol	0.87 J
Acenaphthene	22
Benzo(a)anthracene	80
Benzo(a)pyrene	82
Benzo(b)fluoranthene	88
Benzo(k)fluoranthene	35
Chrysene	75
Dibenz(a,h)anthracene	20
Dibenzofuran	25
Fluoranthene	180
Indeno(1,2,3-c,d)pyrene	66
Naphthalene	35
Phenanthrene	220
Pyrene	140
Total SVOCs	1245.17 J
PCBs (mg/kg)	
Total PCBs	ND
Pesticides (mg/kg)	
Pesticides	ND
Herbicides (mg/kg)	
Herbicides	ND
Metals (mg/kg)	
Copper	180
Lead	370
Mercury	0.91
Zinc	240
TCLP Metals (mg/L)	
TCLP Metals	NE
General Chemistry (mg/kg)	
Cyanide	ND

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)
- SB-1A — PREVIOUS SOIL BORING LOCATION AND ID (LANGAN 2013)

GENERAL NOTES

1. BASE MAP SOURCE: "170229001-V-EX0101 AND 170229001-C-UI0101"
2. SOIL BORING LOCATIONS WERE LOCATED BY GPS.
3. NORTH ARROW SHOWS TRUE NORTH.
4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC 6 NYCRR PART 375-6.8(A,B) AND CP-51 UNRESTRICTED USE AND RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) (TABLE 1).
5. ONLY ANALYTES WITH DETECTIONS ARE SHOWN IN TAG TABLES.
6. CONCENTRATIONS EXCEEDING THE NYSDEC PART 375-6.8(A) UNRESTRICTED USE SCOS ARE SHADED AND UNDERLINED.
7. CONCENTRATIONS EXCEEDING THE NYSDEC PART 375-6.8(B) RESTRICTED-RESIDENTIAL SCOS ARE SHADED, UNDERLINED, AND BOLDED.
8. VOC – VOLATILE ORGANIC COMPOUND
9. SVOC – SEMIVOLATILE ORGANIC COMPOUND
10. PCB – POLYCHLORINATED BIPHENYL
11. mg/kg – MILLIGRAM PER KILOGRAM
12. NA – NOT ANALYZED
13. NE – RESULTS DO NOT EXCEED CRITERIA
14. ND – NOT DETECTED
15. "~" – CRITERIA DOES NOT EXIST
16. J – THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1

TABLE 1	NYSDEC PART 375 AND CP-51 UNRESTRICTED USE SCO	NYSDEC PART 375 AND CP-51 RESTRICTED-RESIDENTIAL USE SCO
VOCs (mg/kg)		
1,2-Dichloroethane	0.02	3.1
Acetone	0.05	100
Benzene	0.06	4.8
Methylene Chloride	0.05	100
Naphthalene	12	100
Toluene	0.7	100
SVOCs (mg/kg)		
3-Methylphenol	0.33	100
Acenaphthene	20	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenz(a,h)anthracene	0.33	0.33
Dibenzofuran	7	59
Fluoranthene	100	100
Indeno(1,2,3-c,d)pyrene	0.5	0.5
Naphthalene	12	100
Phenanthrene	100	100
Pyrene	100	100
Total SVOCs	–	–
PCBs (mg/kg)		
Total PCBs	0.1	1
Pesticides (mg/kg)		
p,p'-DDT	0.0033	7.9
Metals (mg/kg)		
Arsenic	13	16
Barium	350	400
Beryllium	7.2	72
Chromium Trivalent	30	180
Copper	50	270
Lead	63	400
Mercury	0.18	2.8
Nickel	30	310
Selenium	3.9	180
Zinc	109	10000
General Chemistry (mg/kg)		
Cyanide	27	40

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20 0 5 10 20
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Date	Description	No.

REVISIONS

SIGNATURE DATE SIGNED
PROFESSIONAL XXXXXXXXXX
STATE LIC. No. XXXXX

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Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
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Collectively known as Langan

Project
GREENPOINT LANDING
BLOCK No. 2472, LOT No. 100
BROOKLYN
KINGS NEW YORK

Drawing Title
PREVIOUS SOIL ANALYTICAL RESULTS
WASTE CHARACTERIZATION (DEEP INTERVAL 5-10')
PARCEL G1

Project No. 170229002	Drawing No. 7
Date 10/28/2014	
Scale 1" = 20'	
Drawn By LJM	
Submission Date 10/28/2014	Sheet 7 of 11

LANGAN
SUBMISSION DATE: XXXXX ##,####
PROJECT No. ##########

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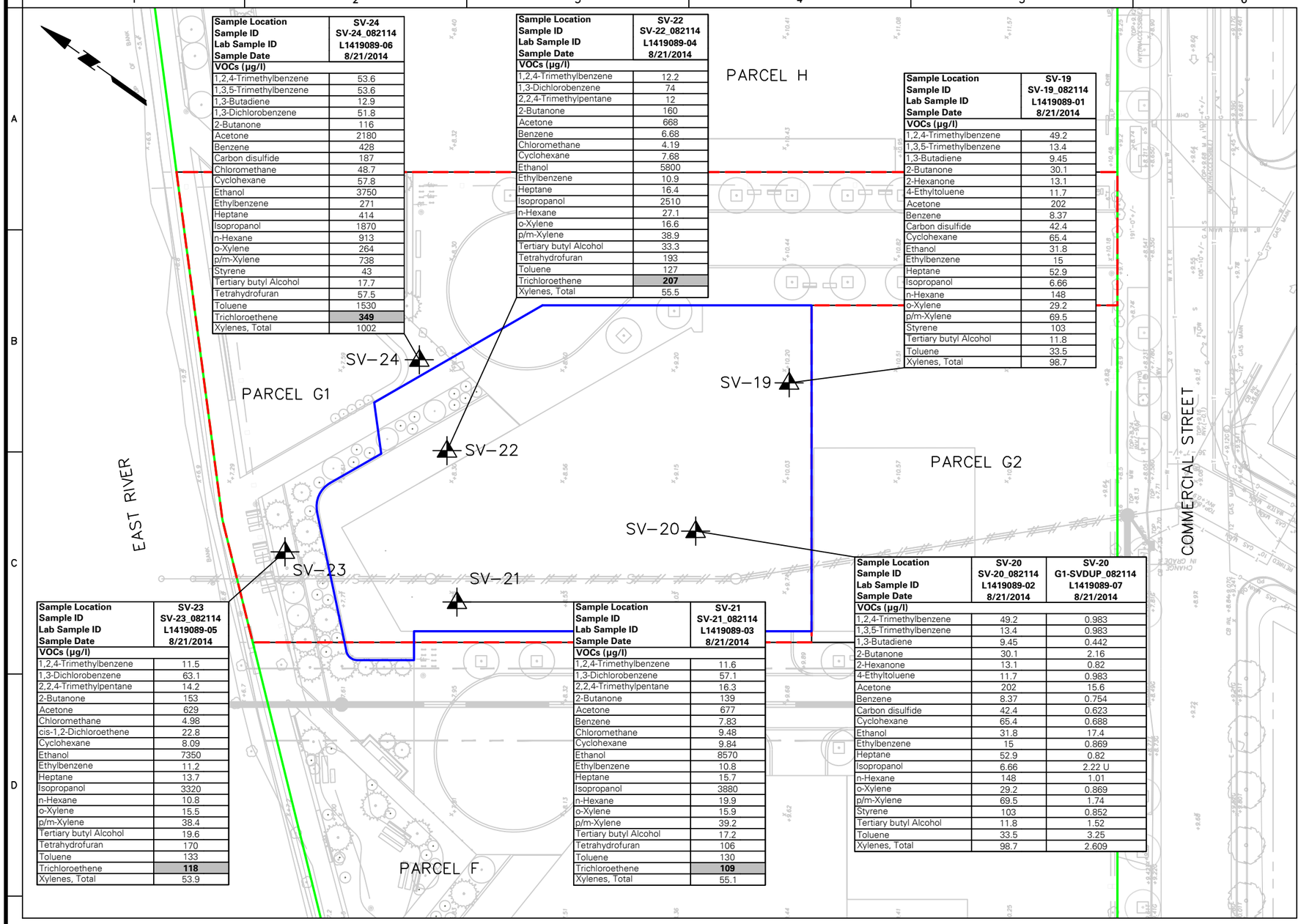
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-Supplemental RI Reports\Supplemental RI Report - Parcel G1\Previous Soil Results - G1 - WC - Deep.dwg Date: 10/28/2014 Time: 09:51 User: gwyka Style Table: Langan.stb Layout: ARCHD-BL



Sample Location	SV-24
Sample ID	SV-24_082114
Lab Sample ID	L1419089-06
Sample Date	8/21/2014
VOCs (µg/l)	
1,2,4-Trimethylbenzene	53.6
1,3,5-Trimethylbenzene	53.6
1,3-Butadiene	12.9
1,3-Dichlorobenzene	51.8
2-Butanone	116
Acetone	2180
Benzene	428
Carbon disulfide	187
Chloromethane	48.7
Cyclohexane	57.8
Ethanol	3750
Ethylbenzene	271
Heptane	414
Isopropanol	1870
n-Hexane	913
o-Xylene	264
p/m-Xylene	738
Styrene	43
Tertiary butyl Alcohol	17.7
Tetrahydrofuran	57.5
Toluene	1530
Trichloroethene	**349**
Xylenes, Total	1002

Sample Location	SV-22
Sample ID	SV-22_082114
Lab Sample ID	L1419089-04
Sample Date	8/21/2014
VOCs (µg/l)	
1,2,4-Trimethylbenzene	12.2
1,3-Dichlorobenzene	74
2,2,4-Trimethylpentane	12
2-Butanone	160
Acetone	668
Benzene	6.68
Chloromethane	4.19
Cyclohexane	7.68
Ethanol	5800
Ethylbenzene	10.9
Heptane	16.4
Isopropanol	2510
n-Hexane	27.1
o-Xylene	16.6
p/m-Xylene	38.9
Tertiary butyl Alcohol	33.3
Tetrahydrofuran	193
Toluene	127
Trichloroethene	**207**
Xylenes, Total	55.5

Sample Location	SV-19
Sample ID	SV-19_082114
Lab Sample ID	L1419089-01
Sample Date	8/21/2014
VOCs (µg/l)	
1,2,4-Trimethylbenzene	49.2
1,3,5-Trimethylbenzene	13.4
1,3-Butadiene	9.45
2-Butanone	30.1
2-Hexanone	13.1
4-Ethyltoluene	11.7
Acetone	202
Benzene	8.37
Carbon disulfide	42.4
Cyclohexane	65.4
Ethanol	31.8
Ethylbenzene	15
Heptane	52.9
Isopropanol	6.66
n-Hexane	148
o-Xylene	29.2
p/m-Xylene	69.5
Styrene	103
Tertiary butyl Alcohol	11.8
Toluene	33.5
Xylenes, Total	98.7

Sample Location	SV-23
Sample ID	SV-23_082114
Lab Sample ID	L1419089-05
Sample Date	8/21/2014
VOCs (µg/l)	
1,2,4-Trimethylbenzene	11.5
1,3-Dichlorobenzene	63.1
2,2,4-Trimethylpentane	14.2
2-Butanone	153
Acetone	629
Chloromethane	4.98
cis-1,2-Dichloroethene	22.8
Cyclohexane	8.09
Ethanol	7350
Ethylbenzene	11.2
Heptane	13.7
Isopropanol	3320
n-Hexane	10.8
o-Xylene	15.5
p/m-Xylene	38.4
Tertiary butyl Alcohol	19.6
Tetrahydrofuran	170
Toluene	133
Trichloroethene	**118**
Xylenes, Total	53.9

Sample Location	SV-21
Sample ID	SV-21_082114
Lab Sample ID	L1419089-03
Sample Date	8/21/2014
VOCs (µg/l)	
1,2,4-Trimethylbenzene	11.6
1,3-Dichlorobenzene	57.1
2,2,4-Trimethylpentane	16.3
2-Butanone	139
Acetone	677
Benzene	7.83
Chloromethane	9.48
Cyclohexane	9.84
Ethanol	8570
Ethylbenzene	10.8
Heptane	15.7
Isopropanol	3880
n-Hexane	19.9
o-Xylene	15.9
p/m-Xylene	39.2
Tertiary butyl Alcohol	17.2
Tetrahydrofuran	106
Toluene	130
Trichloroethene	**109**
Xylenes, Total	55.1

Sample Location	SV-20	SV-20
Sample ID	SV-20_082114	G1-SVDUP_082114
Lab Sample ID	L1419089-02	L1419089-07
Sample Date	8/21/2014	8/21/2014
VOCs (µg/l)		
1,2,4-Trimethylbenzene	49.2	0.983
1,3,5-Trimethylbenzene	13.4	0.983
1,3-Butadiene	9.45	0.442
2-Butanone	30.1	2.16
2-Hexanone	13.1	0.82
4-Ethyltoluene	11.7	0.983
Acetone	202	15.6
Benzene	8.37	0.754
Carbon disulfide	42.4	0.623
Cyclohexane	65.4	0.688
Ethanol	31.8	17.4
Ethylbenzene	15	0.869
Heptane	52.9	0.82
Isopropanol	6.66	2.22 U
n-Hexane	148	1.01
o-Xylene	29.2	0.869
p/m-Xylene	69.5	1.74
Styrene	103	0.852
Tertiary butyl Alcohol	11.8	1.52
Toluene	33.5	3.25
Xylenes, Total	98.7	2.609

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)
- SV–19 SOIL VAPOR SAMPLING LOCATION AND ID (SUPPLEMENTAL RI)

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWINGS "170229001–V–EX0101–L+M" AND "170229001–C–UI0101"
2. NORTH ARROW SHOWS TRUE NORTH
3. SOIL VAPOR ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDELINE VALUE (AGV).
4. ONLY DETECTIONS ARE SHOWN ON TAG TABLES.
5. CONCENTRATIONS EXCEEDING THE NYSDOH AGVS ARE SHADED AND BOLDED.
6. VOCS – VOLATILE ORGANIC COMPOUNDS
7. µg/m3 – MICROGRAMS PER CUBIC METER
8. ONE AMBIENT AIR SAMPLE, G1–AA01_082114, WAS COLLECTED. THE RESULTS DO NOT EXCEED THE NYSDOH AGV.

TABLE 1	NYSDOH AGV
VOCs (µg/m³)	
Methylene chloride	60
Tetrachloroethene	30
Trichloroethene	5

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Project
GREENPOINT LANDING
Block 2472, Lot 100
BROOKLYN
KINGS NEW YORK

Drawing Title
SOIL VAPOR ANALYTICAL RESULTS
SUPPLEMENTAL RI
PARCEL G1

Project No. 170229002	Drawing No. 8
Date 10/28/2014	
Scale 1' = 50'	
Drawn By GCW / Checked By MSR	
Submission Date 10/28/2014	Sheet 8 of 11

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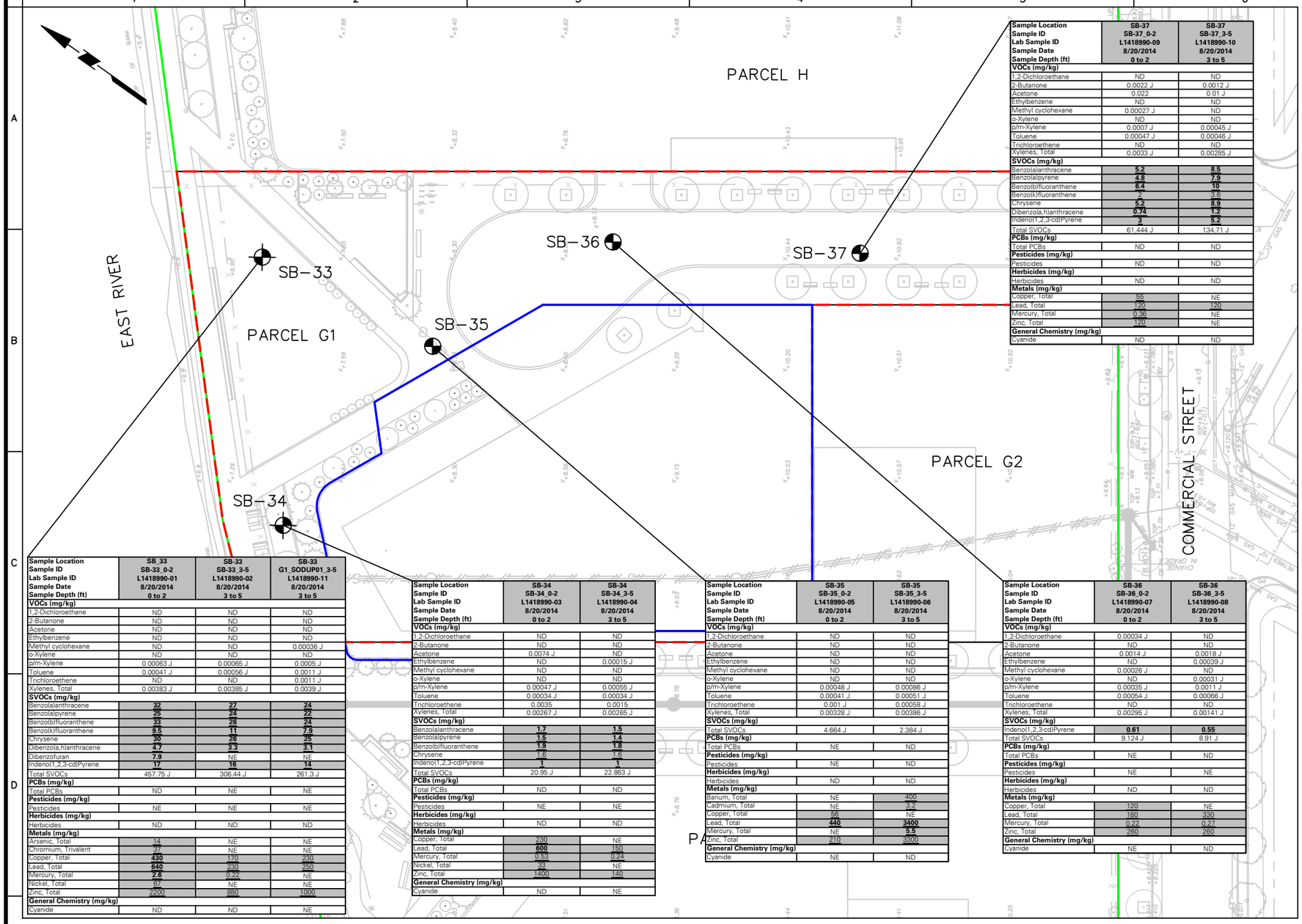

Sample Location	SB-37	SB-37
Sample ID	SB-37_0-2	SB-37_3-5
Lab Sample ID	L1418990-09	L1418990-10
Sample Date	8/20/2014	8/20/2014
Sample Depth (ft)	0 to 2	3 to 5
VOCs (mg/kg)		
1,2-Dichloroethane	ND	ND
2-Butanone	0.0022 J	0.0012 J
Acetone	0.022	0.01 J
Ethylbenzene	ND	ND
Methyl cyclohexane	0.00027 J	ND
o-Xylene	ND	ND
p/m-Xylene	0.0007 J	0.00045 J
Toluene	0.00047 J	0.00046 J
Trichloroethene	ND	ND
Xylenes, Total	0.0033 J	0.00285 J
SVOCs (mg/kg)		
Benzo(a)anthracene	5.2	8.5
Benzo(a)pyrene	4.8	7.9
Benzo(b)fluoranthene	8.4	10
Benzo(k)fluoranthene	2.7	3.6
Chrysene	5.2	8.9
Dibenzo(a,h)anthracene	0.74	1.2
Indeno(1,2,3-cd)Pyrene	3	5.2
Total SVOCs	61.444 J	134.71 J
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Pesticides	ND	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Copper, Total	55	NE
Lead, Total	120	120
Mercury, Total	0.36	NE
Zinc, Total	120	NE
General Chemistry (mg/kg)		
Cyanide	ND	ND

Sample Location	SB_33	SB-33	SB-33
Sample ID	SB-33_0-2	SB-33_3-5	G1_SODUP01_3-5
Lab Sample ID	L1418990-01	L1418990-02	L1418990-11
Sample Date	8/20/2014	8/20/2014	8/20/2014
Sample Depth (ft)	0 to 2	3 to 5	3 to 5
VOCs (mg/kg)			
1,2-Dichloroethane	ND	ND	ND
2-Butanone	ND	ND	ND
Acetone	ND	ND	ND
Ethylbenzene	ND	ND	ND
Methyl cyclohexane	ND	ND	0.00036 J
o-Xylene	ND	ND	ND
p/m-Xylene	0.00063 J	0.00065 J	0.0005 J
Toluene	0.00041 J	0.00056 J	0.0011 J
Trichloroethene	ND	ND	0.0011 J
Xylenes, Total	0.00383 J	0.00385 J	0.0039 J
SVOCs (mg/kg)			
Benzo(a)anthracene	32	27	24
Benzo(a)pyrene	25	24	22
Benzo(b)fluoranthene	33	26	24
Benzo(k)fluoranthene	9.5	11	7.9
Chrysene	30	26	25
Dibenzo(a,h)anthracene	4.7	3.3	3.1
Dibenzofuran	7.9	NE	NE
Indeno(1,2,3-cd)Pyrene	17	16	14
Total SVOCs	457.75 J	306.44 J	261.3 J
PCBs (mg/kg)			
Total PCBs	ND	NE	NE
Pesticides (mg/kg)			
Pesticides	NE	NE	NE
Herbicides (mg/kg)			
Herbicides	ND	ND	ND
Metals (mg/kg)			
Arsenic, Total	14	NE	NE
Chromium, Trivalent	37	NE	NE
Copper, Total	430	170	230
Lead, Total	640	230	250
Mercury, Total	2.6	0.22	NE
Nickel, Total	67	NE	NE
Zinc, Total	2200	880	1000
General Chemistry (mg/kg)			
Cyanide	ND	ND	NE

Sample Location	SB-34	SB-34
Sample ID	SB-34_0-2	SB-34_3-5
Lab Sample ID	L1418990-03	L1418990-04
Sample Date	8/20/2014	8/20/2014
Sample Depth (ft)	0 to 2	3 to 5
VOCs (mg/kg)		
1,2-Dichloroethane	ND	ND
2-Butanone	ND	ND
Acetone	0.0074 J	ND
Ethylbenzene	ND	0.00015 J
Methyl cyclohexane	ND	ND
o-Xylene	ND	ND
p/m-Xylene	0.00047 J	0.00055 J
Toluene	0.00034 J	0.00034 J
Trichloroethene	0.0035	0.0015
Xylenes, Total	0.00267 J	0.00265 J
SVOCs (mg/kg)		
Benzo(a)anthracene	1.7	1.5
Benzo(a)pyrene	1.5	1.4
Benzo(b)fluoranthene	1.9	1.8
Chrysene	1.6	1.6
Indeno(1,2,3-cd)Pyrene	1	1
Total SVOCs	20.95 J	22.863 J
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Pesticides	NE	NE
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Copper, Total	230	NE
Lead, Total	600	150
Mercury, Total	0.53	0.24
Nickel, Total	33	NE
Zinc, Total	1400	140
General Chemistry (mg/kg)		
Cyanide	ND	NE

Sample Location	SB-35	SB-35
Sample ID	SB-35_0-2	SB-35_3-5
Lab Sample ID	L1418990-05	L1418990-06
Sample Date	8/20/2014	8/20/2014
Sample Depth (ft)	0 to 2	3 to 5
VOCs (mg/kg)		
1,2-Dichloroethane	ND	ND
2-Butanone	ND	ND
Acetone	ND	ND
Ethylbenzene	ND	ND
Methyl cyclohexane	ND	ND
o-Xylene	ND	ND
p/m-Xylene	0.00048 J	0.00086 J
Toluene	0.00041 J	0.00051 J
Trichloroethene	0.001 J	0.00058 J
Xylenes, Total	0.00328 J	0.00386 J
SVOCs (mg/kg)		
Total SVOCs	4.664 J	2.384 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
Pesticides	NE	ND
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Barium, Total	NE	400
Cadmium, Total	NE	3.2
Copper, Total	56	NE
Lead, Total	440	3400
Mercury, Total	NE	5.5
Zinc, Total	210	3300
General Chemistry (mg/kg)		
Cyanide	NE	ND

Sample Location	SB-36	SB-36
Sample ID	SB-36_0-2	SB-36_3-5
Lab Sample ID	L1418990-07	L1418990-08
Sample Date	8/20/2014	8/20/2014
Sample Depth (ft)	0 to 2	3 to 5
VOCs (mg/kg)		
1,2-Dichloroethane	0.00034 J	ND
2-Butanone	ND	ND
Acetone	0.0014 J	0.0018 J
Ethylbenzene	ND	0.00039 J
Methyl cyclohexane	0.00026 J	ND
o-Xylene	ND	0.00031 J
p/m-Xylene	0.00035 J	0.0011 J
Toluene	0.00054 J	0.00066 J
Trichloroethene	ND	ND
Xylenes, Total	0.00295 J	0.00141 J
SVOCs (mg/kg)		
Indeno(1,2,3-cd)Pyrene	0.61	0.55
Total SVOCs	9.124 J	8.91 J
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
Pesticides	NE	NE
Herbicides (mg/kg)		
Herbicides	ND	ND
Metals (mg/kg)		
Copper, Total	120	NE
Lead, Total	180	330
Mercury, Total	0.22	0.27
Zinc, Total	260	260
General Chemistry (mg/kg)		
Cyanide	NE	ND

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)
- SB-33 PROPOSED SOIL BORING LOCATION AND ID

GENERAL NOTES

1. BASE MAP SOURCE: LANGAN DRAWINGS "170229001-V-EX0101 AND "170229001-C-UI0101."
2. NORTH ARROW SHOWS TRUE NORTH.
3. SOIL BORING LOCATIONS WERE LOCATED BY GPS.
4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC 6 NYCRR PART 375-6.8(A,B) AND CP-51 UNRESTRICTED AND RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCOS) (SEE TABLE 1)
5. ONLY ANALYTES WITH DETECTIONS ARE SHOWN IN TAG TABLES.
6. CONCENTRATIONS EXCEEDING THE NYSDEC PART 375-6.8(A) AND CP-51 UNRESTRICTED USE SCOS ARE SHADED AND UNDERLINED.
7. CONCENTRATIONS EXCEEDING THE NYSDEC PART 375-6.8(B) AND CP-51 RESTRICTED-RESIDENTIAL USE SCOS ARE SHADED, UNDERLINED, AND BOLDED.
8. VOC - VOLATILE ORGANIC COMPOUND
9. SVOC - SEMIVOLATILE ORGANIC COMPOUND
10. PCB - POLYCHLORINATED BIPHENYL
11. mg/kg - MILLIGRAMS PER KILOGRAM
12. NA - NOT ANALYZED
13. NE - RESULTS DO NOT EXCEED CRITERIA
14. ND - NOT DETECTED
15. "~" - CRITERIA DOES NOT EXIST
16. J - THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1	NYSDEC PART 375 AND CP-51 UNRESTRICTED USE SCO	NYSDEC PART 375 AND CP-51 RESTRICTED-RESIDENTIAL USE SCO
VOCs (mg/kg)		
1,2-Dichloroethane	0.02	3.1
2-Butanone	0.12	100
Acetone	0.05	100
Ethylbenzene	1	41
Methyl cyclohexane	~	~
o-Xylene	~	~
p/m-Xylene	~	~
Toluene	0.7	100
Trichloroethene	0.47	21
Xylenes, Total	0.26	100
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Dibenzofuran	7	59
Indeno(1,2,3-cd)Pyrene	0.5	0.5
Total SVOCs	~	~
PCBs (mg/kg)		
Total PCBs	0.1	1
Metals (mg/kg)		
Barium, Total	350	400
Cadmium, Total	2.5	4.3
Chromium, trivalent	30	180
Copper, Total	50	270
Lead, Total	63	400
Mercury, Total	0.18	0.81
Nickel, Total	30	310
Zinc, Total	109	10000
General Chemistry (mg/kg)		
Cyanide	27	40

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Project
GREENPOINT LANDING
Block 2472, Lot 100
BROOKLYN
KINGS NEW YORK

Drawing Title
SOIL ANALYTICAL RESULTS
SUPPLEMENTAL RI
PARCEL G1

Project No. 170229002
Date 10/28/2014
Scale 1' = 50'
Drawn By GCW
Checked By MSR
Submission Date 10/28/2014
Drawing No. 9
Sheet 9 of 11

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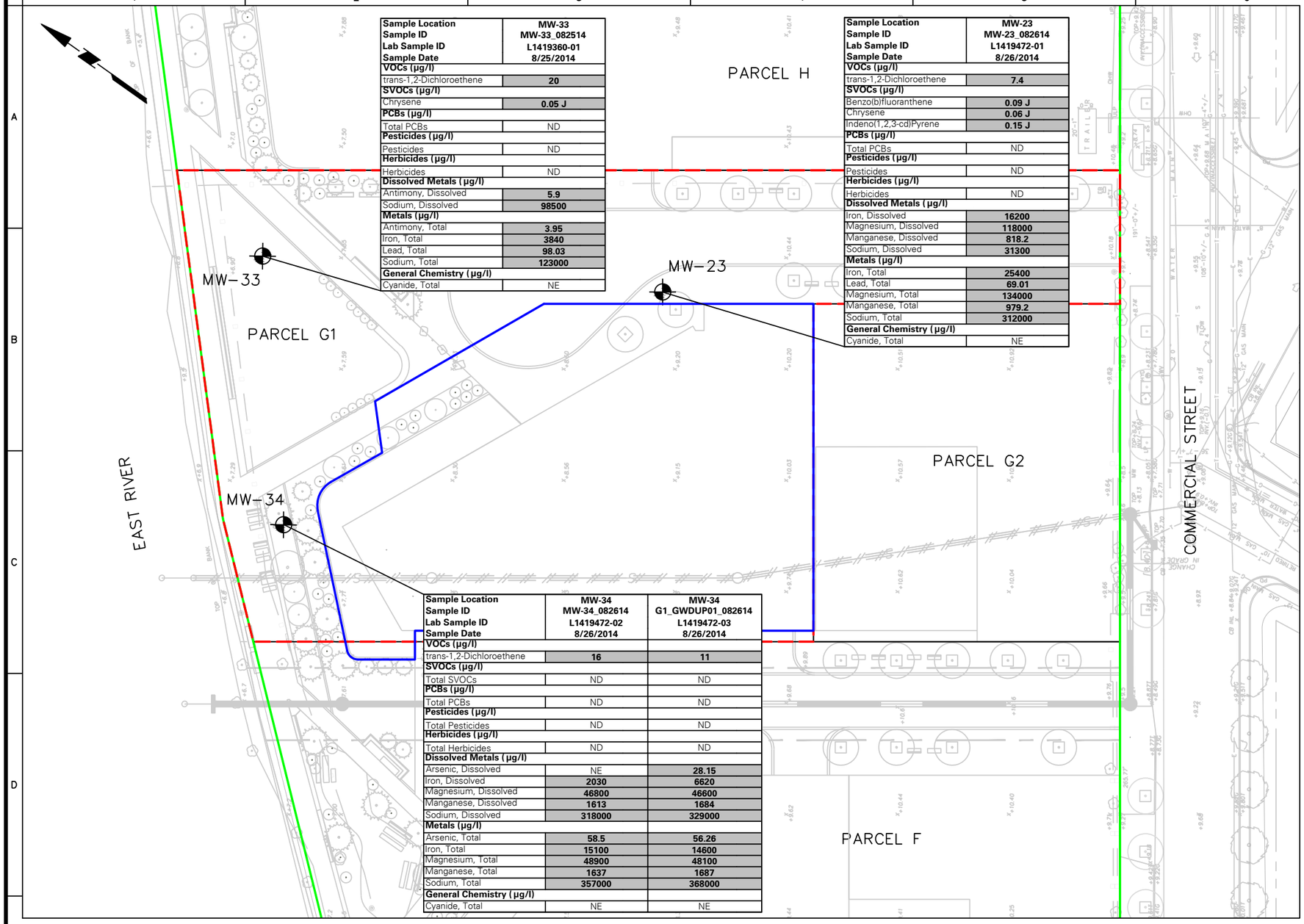

Sample Location	MW-33
Sample ID	MW-33_082514
Lab Sample ID	L1419360-01
Sample Date	8/25/2014
VOCs (µg/l)	
trans-1,2-Dichloroethene	20
SVOCs (µg/l)	
Chrysene	0.05 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Pesticides	ND
Herbicides (µg/l)	
Herbicides	ND
Dissolved Metals (µg/l)	
Antimony, Dissolved	5.9
Sodium, Dissolved	98500
Metals (µg/l)	
Antimony, Total	3.95
Iron, Total	3840
Lead, Total	98.03
Sodium, Total	123000
General Chemistry (µg/l)	
Cyanide, Total	NE

Sample Location	MW-23
Sample ID	MW-23_082614
Lab Sample ID	L1419472-01
Sample Date	8/26/2014
VOCs (µg/l)	
trans-1,2-Dichloroethene	7.4
SVOCs (µg/l)	
Benzo(b)fluoranthene	0.09 J
Chrysene	0.06 J
Indeno(1,2,3-cd)Pyrene	0.15 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Pesticides	ND
Herbicides (µg/l)	
Herbicides	ND
Dissolved Metals (µg/l)	
Iron, Dissolved	16200
Magnesium, Dissolved	118000
Manganese, Dissolved	818.2
Sodium, Dissolved	31300
Metals (µg/l)	
Iron, Total	25400
Lead, Total	69.01
Magnesium, Total	134000
Manganese, Total	979.2
Sodium, Total	312000
General Chemistry (µg/l)	
Cyanide, Total	NE

Sample Location	MW-34	MW-34
Sample ID	MW-34_082614	G1_GWDUP01_082614
Lab Sample ID	L1419472-02	L1419472-03
Sample Date	8/26/2014	8/26/2014
VOCs (µg/l)		
trans-1,2-Dichloroethene	16	11
SVOCs (µg/l)		
Total SVOCs	ND	ND
PCBs (µg/l)		
Total PCBs	ND	ND
Pesticides (µg/l)		
Total Pesticides	ND	ND
Herbicides (µg/l)		
Total Herbicides	ND	ND
Dissolved Metals (µg/l)		
Arsenic, Dissolved	NE	28.15
Iron, Dissolved	2030	6620
Magnesium, Dissolved	46800	46600
Manganese, Dissolved	1613	1684
Sodium, Dissolved	318000	329000
Metals (µg/l)		
Arsenic, Total	58.5	56.26
Iron, Total	15100	14600
Magnesium, Total	48900	48100
Manganese, Total	1637	1687
Sodium, Total	357000	368000
General Chemistry (µg/l)		
Cyanide, Total	NE	NE

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)
- MW-23 MONITORING WELL LOCATION AND ID (SUPPLEMENTAL RI)

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. MONITORING WELLS WERE SURVEYED BY LANGAN.
3. NORTH ARROW SHOWS TRUE NORTH.
4. GROUNDWATER SAMPLE RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (SGV) FOR CLASS GA WATERS.
4. ONLY ANALYTES WITH DETECTIONS ARE SHOWN.
5. CONCENTRATIONS EXCEEDING THE NYSDEC TOGS 1.1.1 SGV EXCEEDANCES ARE HIGHLIGHTED AND BOLDED.
5. VOC-VOLATILE ORGANIC COMPOUND
6. SVOC-SEMIVOLATILE ORGANIC COMPOUND
7. PCB-POLYCHLORINATED BIPHENYL
8. µg/L - MICROGRAM PER LITER
9. NE - RESULTS DO NOT EXCEED CRITERIA
10. ND - NOT DETECTED
11. "~" - CRITERIA DOES NOT EXIST
12. J - THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1	NYSDEC TOGS SGVs - Class GA
VOCs (µg/l)	
trans-1,2-Dichloroethene	5
SVOCs (µg/l)	
Benzo(b)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)Pyrene	0.002
Total SVOCs	~
PCBs (µg/l)	
Total PCBs	0.09
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Metals (µg/l)	
Arsenic, Total	25
Iron, Total	300
Lead, Total	25
Magnesium, Total	35000
Manganese, Total	300
Sodium, Total	20000
Dissolved Metals (µg/l)	
Arsenic, Dissolved	25
Antimony, Dissolved	3
Iron, Dissolved	300
Magnesium, Dissolved	35000
Manganese, Dissolved	300
Sodium, Dissolved	
General Chemistry (mg/kg)	
Cyanide, Total	200

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Project
GREENPOINT LANDING
Block 2472, Lot 100
BROOKLYN
KINGS NEW YORK

Drawing Title
GROUNDWATER ANALYTICAL RESULTS
SUPPLEMENTAL RI
PARCEL G1

Project No. 170229002	Drawing No. 10
Date 10/28/2014	
Scale 1' = 50'	
Drawn By GCW / Checked By MSR	
Submission Date 10/28/2014	Sheet 10 of 11

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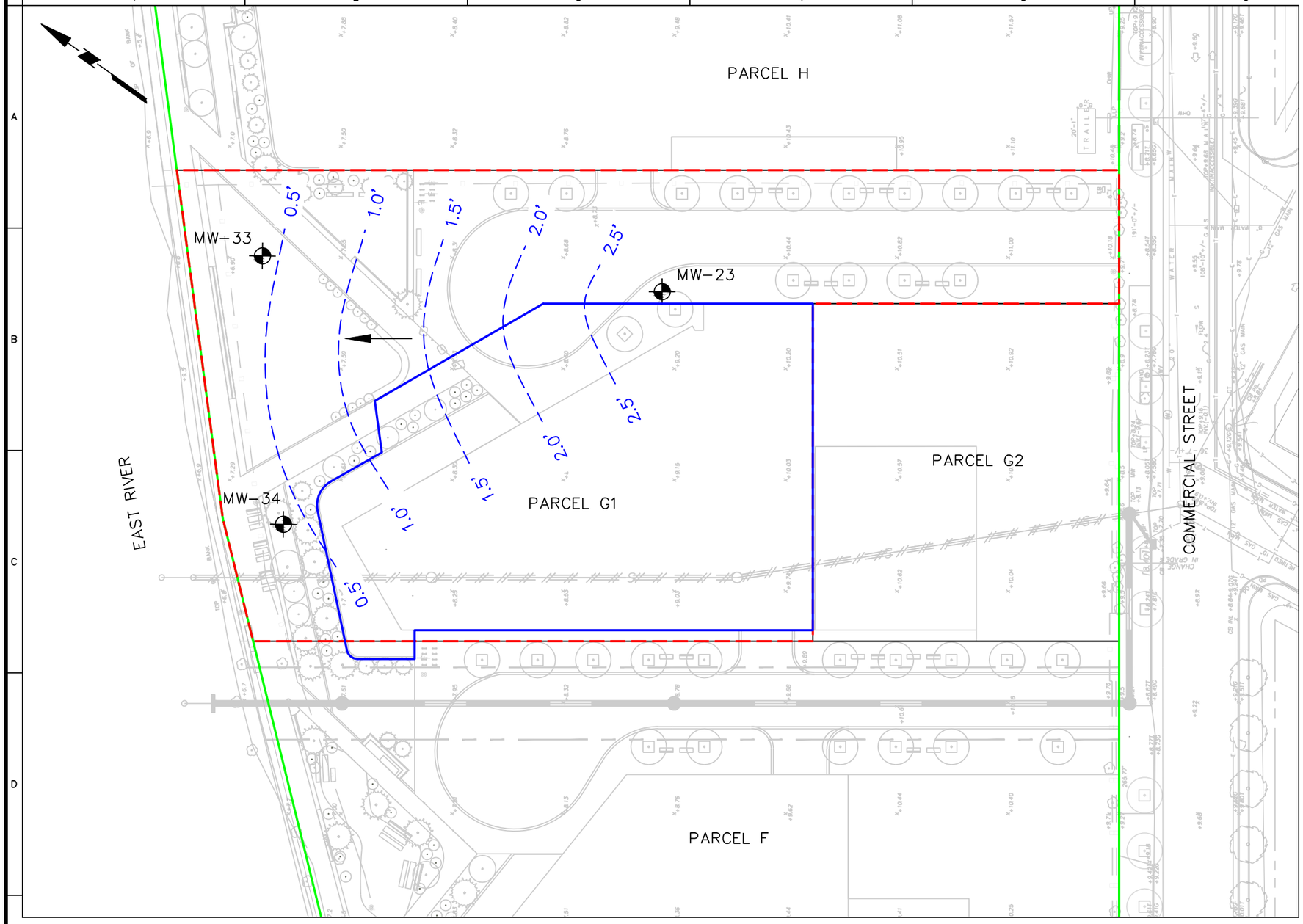

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL G2 BOUNDARY
- APPROXIMATE PARCEL G1 BOUNDARY (BLOCK 2472, LOT 100)
- APPROXIMATE NEW BUILDING FOOTPRINT (BUILDING G1)
- MW-23 MONITORING WELL LOCATION AND ID (SUPPLEMENTAL RI)
- INFERRED GROUNDWATER CONTOUR
- DIRECTION OF GROUNDWATER FLOW

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING"130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. MONITORING WELLS WERE SURVEYED BY LANGAN.
3. NORTH ARROW SHOWS TRUE NORTH.
4. A SYNOPTIC MONITORING WELL GAUGING EVENT WAS CONDUCTED BY LANGAN ON AUGUST 28, 2014. THE GAUGING RECORD IS PRESENTED IN THE SUPPLEMENTAL RI REPORT.
5. GROUNDWATER ELEVATIONS ARE BASED IN NATIONAL VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM AT SANDY HOOK NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS NGVD 1929).

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Project
GREENPOINT LANDING
Block 2472, Lot 100
BROOKLYN
KINGS NEW YORK

Drawing Title
GROUNDWATER CONTOUR MAP
PARCEL G1

Project No. 170229002	Drawing No. 11
Date 10/28/2014	
Scale 1' = 50'	
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Submission Date 10/28/2014	Sheet 11 of 11

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TABLES

Table 1A
Soil Sample Detections Summary - Waste Characterization - Grab Samples
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_SB-01A		G1_SB-01B				G1_SB-02A		G1_SB-02A		G1_SB-03B		G1_SB-03B		G1_SB-04A		G1_SB-04A		G1_SB-05B		G1_SB-05B	
Client Sample ID			G1_SB-01A_9-9.5		G1_SB-01B_4-4.5		G1_DUP_091313_4-4.5		G1_SB-02A_2.5-3		G1_SB-02A_8-8.5		G1_SB-03B_4-4.5		G1_SB-03B_9-9.5		G1_SB-04A_2-2.5		G1_SB-04A_9-9.5		G1_SB-05B_3-3.5		G1_SB-05B_8-8.5	
Lab Sample ID			L1318158-10		L1318158-09		L1318158-13		L1318159-02		L1318159-03		L1318009-07		L1318009-08		L1318009-05		L1318009-03		L1318158-02		L1318158-01	
Sample Date			09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/12/2013		09/12/2013		09/12/2013		09/12/2013		09/12/2013		09/12/2013	
Sample Depth (feet bgs)			9 to 9.5		4 to 4.5		4 to 4.5		2.5 to 3		8 to 8.5		4 to 4.5		9 to 9.5		2 to 2.5		9 to 9.5		3 to 3.5		8 to 8.5	
Volatile Organic Compounds (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,2,4,5-Tetramethylbenzene	~	~	0.0066	U	0.0042	U	0.004	U	0.0047	U	0.0059	U	0.32	U	0.006	U	0.049	J	0.0049	U	0.37	U	0.0053	U
1,2,4-Trimethylbenzene	3.6	52	0.0082	U	0.0052	U	0.005	U	0.0059	U	0.0074	U	0.4	U	0.0075	U	0.059	J	0.0061	U	0.24	J	0.0066	U
1,2-Dichloroethane	0.02	3.1	0.0016	U	0.001	U	0.001	U	0.0012	U	0.0015	U	1.1		0.0015	U	*0.08*	U	0.0012	U	*0.092*	U	0.0013	U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0082	U	0.0052	U	0.005	U	0.0059	U	0.0074	U	0.035	J	0.0075	U	0.067	J	0.0061	U	0.16	J	0.0066	U
1,4-Diethyl Benzene	~	~	0.0066	U	0.0042	U	0.004	U	0.0047	U	0.0059	U	0.023	J	0.006	U	0.077	J	0.0049	U	0.37	U	0.0053	U
4-Ethyltoluene	~	~	0.0066	U	0.0042	U	0.004	U	0.0047	U	0.0059	U	0.32	U	0.006	U	0.037	J	0.0049	U	0.14	J	0.0053	U
Acetone	0.05	100	0.012	J	0.01	U	0.01	U	0.012	U	0.018		0.26	J	0.0065	J	*0.8*	U	0.0056	J	*0.92*	U	0.0078	J
Benzene	0.06	4.8	0.0016	U	0.001	U	0.001	U	0.0012	U	0.0015	U	0.017	J	0.0015	U	0.021	J	0.0012	U	0.21		0.0013	U
Bromomethane	~	~	0.0033	U	0.0021	U	0.002	U	0.0024	U	0.003	U	0.16	U	0.003	U	0.063	J	0.0024	U	0.18	U	0.0026	U
Carbon Disulfide	~	~	0.016	U	0.01	U	0.01	U	0.012	U	0.015	U	0.81	U	0.015	U	0.8	U	0.012	U	0.92	U	0.013	U
Chloromethane	~	~	0.0082	U	0.0052	U	0.005	U	0.0059	U	0.0074	U	0.4	U	0.0075	U	0.4	U	0.0061	U	0.46	U	0.0066	U
Cyclohexane	~	~	0.033	U	0.021	U	0.02	U	0.024	U	0.03	U	0.093	J	0.03	U	1.6	U	0.024	U	0.35	J	0.026	U
Cymene	~	~	0.0016	U	0.001	U	0.001	U	0.0012	U	0.0015	U	0.081	U	0.0015	U	0.08	U	0.0012	U	0.023	J	0.0013	U
Ethylbenzene	1	41	0.0016	U	0.001	U	0.001	U	0.0012	U	0.0015	U	0.081	U	0.0015	U	0.015	J	0.0012	U	0.09	J	0.0013	U
Isopropylbenzene (Cumene)	~	~	0.0016	U	0.001	U	0.001	U	0.0012	U	0.0015	U	0.081	U	0.0015	U	0.018	J	0.0012	U	0.027	J	0.0013	U
Methyl Acetate	~	~	0.033	U	0.021	U	0.02	U	0.024	U	0.03	U	1.6	U	0.03	U	1.6	U	0.024	U	0.3	J	0.026	U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.016	U	0.01	U	0.01	U	0.012	U	0.0044	J	*0.81*	U	0.015	U	*0.8*	U	0.012	U	*0.92*	U	0.013	U
Methylcyclohexane	~	~	0.0066	U	0.0042	U	0.004	U	0.0047	U	0.0059	U	0.32		0.006	U	0.13	J	0.0049	U	1.2		0.0053	U
Methylene Chloride	0.05	100	0.016	U	0.01	U	0.01	U	0.012	U	0.015	U	*0.81*	U	0.015	U	0.21	J	0.012	U	*0.92*	U	0.013	U
M-P-Xylene	~	~	0.0033	U	0.0021	U	0.002	U	0.0024	U	0.003	U	0.051	J	0.003	U	0.066	J	0.0024	U	0.41		0.0026	U
Naphthalene	12	100	0.0082	U	0.0052	U	0.005	U	0.0059	U	0.0058	J	0.065	J	0.0075	U	0.78		0.0061	U	0.33	J	0.0066	U
N-Propylbenzene	3.9	100	0.0016	U	0.001	U	0.001	U	0.0012	U	0.0015	U	0.081	U	0.0015	U	0.08	U	0.0012	U	0.032	J	0.0013	U
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0033	U	0.0021	U	0.002	U	0.0024	U	0.003	U	0.16	U	0.003	U	0.16	U	0.0024	U	0.18		0.0026	U
Styrene	~	~	0.0033	U	0.0021	U	0.002	U	0.0024	U	0.003	U	0.16	U	0.003	U	0.16	U	0.0024	U	0.18	U	0.0026	U
Toluene	0.7	100	0.0025	U	0.0016	U	0.0015	U	0.0018	U	0.0022	U	0.067	J	0.0022	U	0.047	J	0.0018	U	0.43		0.002	U
Trichloroethylene (TCE)	0.47	21	0.0016		0.001	U	0.001	U	0.0012	U	0.0015	U	0.022	J	0.0015	U	0.08	U	0.0012	U	0.092	U	0.0013	U
Xylene (Total)	0.26	100	ND		ND		ND		ND		ND		0.051	J	ND		0.066	J	ND		0.59		ND	

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).

2. Only analytes with detections from within the sample set are shown.
3. Detections above the NYSDEC Part 375 Unrectricted Use SCO exceedances are highlighted and underlined.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting limits for non-detected analytes are *italicized*.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria not available
8. ND = Not Detected

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.

Table 1A
Soil Sample Detections Summary - Waste Characterization - Grab Samples
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	**NYSDEC PART 375 UNRESTRICTED SCO**	**NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO**	**G1_SB-06A**		**G1_SB-06A**		**G1_SB-07A**		**G1_SB-07A**		**G1_SB-08A**		**G1_SB-08A**		**G1_SB-09A**		**G1_SB-09A**		**G1_SB-10B**		**G1_SB-10B**	
Client Sample ID			**G1_SB-06A_3-3.5**		**G1_SB-06A_7-7.5**		**G1_SB-07A_3.5-4**		**G1_SB-07A_9-9.5**		**G1_SB-08A_4.5-5**		**G1_SB-08A_9-9.5**		**G1_SB-09A_3.5-4**		**G1_SB-09A_9.5-10**		**G1_SB-10B_4-4.5**		**G1_SB-10B_9.5-10**	
Lab Sample ID			**L1318158-05**		**L1318158-06**		**L1318164-01**		**L1318164-02**		**L1318164-08**		**L1318164-07**		**L1318162-04**		**L1318162-03**		**L1318161-01**		**L1318161-02**	
Sample Date			**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**	
Sample Depth (feet bgs)			**3 to 3.5**		**7 to 7.5**		**3.5 to 4**		**9 to 9.5**		**4.5 to 5**		**9 to 9.5**		**3.5 to 4**		**9.5 to 10**		**4 to 4.5**		**9.5 to 10**	
Volatile Organic Compounds (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,2,4,5-Tetramethylbenzene	~	~	0.0035	J	11	U	0.0038	U	0.0047	U	0.0035	U	0.0048	U	0.0051	U	0.0061	U	0.0056	U	0.0037	U
1,2,4-Trimethylbenzene	3.6	52	0.017		*14*	U	0.0047	U	0.0059	U	0.0044	U	*100*	U	0.0063	U	0.0077	U	0.007	U	0.0046	U
1,2-Dichloroethane	0.02	3.1	0.0016	U	*2.8*	U	0.00095	U	0.0012	U	0.00088	U	0.0012	U	0.0013	U	0.0015	U	0.0014	U	0.00092	U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0082		*14*	U	0.0047	U	0.0059	U	0.0044	U	0.006	U	0.0063	U	0.0077	U	0.007	U	0.0046	U
1,4-Diethyl Benzene	~	~	0.011		11	U	0.0038	U	0.0047	U	0.0035	U	0.0048	U	0.0051	U	0.0061	U	0.0056	U	0.0037	U
4-Ethyltoluene	~	~	0.0072		11	U	0.0038	U	0.0047	U	0.0035	U	0.0048	U	0.0051	U	0.0061	U	0.0056	U	0.0037	U
Acetone	0.05	100	0.032		*28*	U	0.0095	U	0.033		0.0088	U	0.049		0.013	U	0.015	U	0.0082	J	0.0063	J
Benzene	0.06	4.8	0.0016	U	*2.8*	U	0.00095	U	0.0012	U	0.00088	U	0.0012	U	0.0013	U	0.0015	U	0.0014	U	0.00092	U
Bromomethane	~	~	0.0032	U	5.6	U	0.0019	U	0.00063	J	0.00039	J	0.00066	J	0.0025	U	0.0031	U	0.0028	U	0.0018	U
Carbon Disulfide	~	~	0.016	U	28	U	0.0095	U	0.012	U	0.0088	U	0.012	U	0.013	U	0.015	U	0.011	J	0.0092	U
Chloromethane	~	~	0.0081	U	14	U	0.0047	U	0.0059	U	0.0044	U	0.006	U	0.0063	U	0.0077	U	0.011		0.0046	U
Cyclohexane	~	~	0.032	U	56	U	0.019	U	0.024	U	0.018	U	0.024	U	0.025	U	0.031	U	0.028	U	0.018	U
Cymene	~	~	0.028		73		0.00095	U	0.0012	U	0.00088	U	0.0012	U	0.0013	U	0.0015	U	0.01		0.00092	U
Ethylbenzene	1	41	0.0011	J	*2.8*	U	0.00095	U	0.0012	U	0.00088	U	0.0012	U	0.0013	U	0.0015	U	0.0014	U	0.00092	U
Isopropylbenzene (Cumene)	~	~	0.00059	J	2.8	U	0.00095	U	0.0012	U	0.00088	U	0.0012	U	0.0013	U	0.0015	U	0.0014	U	0.00092	U
Methyl Acetate	~	~	0.032	U	56	U	0.019	U	0.024	U	0.018	U	0.024	U	0.025	U	0.031	U	0.028	U	0.018	U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.016	U	*28*	U	0.0095	U	0.0053	J	0.0088	U	0.0067	J	0.013	U	0.015	U	0.014	U	0.0092	U
Methylcyclohexane	~	~	0.0065	U	11	U	0.0038	U	0.0047	U	0.0035	U	0.0048	U	0.0051	U	0.0061	U	0.0056	U	0.0037	U
Methylene Chloride	0.05	100	0.016	U	*28*	U	0.0095	U	0.012	U	0.0088	U	0.012	U	0.013	U	0.015	U	0.014	U	0.0092	U
M-P-Xylene	~	~	0.0042		5.6	U	0.0019	U	0.0024	U	0.0018	U	0.0024	U	0.0025	U	0.0031	U	0.0028	U	0.0018	U
Naphthalene	12	100	100		*14*	U	0.0047	U	0.0059	U	0.0044	U	0.006	U	0.0063	U	0.0013	J	0.018		0.0046	U
N-Propylbenzene	3.9	100	0.0016	U	2.8	U	0.00095	U	0.0012	U	0.00088	U	0.0012	U	0.0013	U	0.0015	U	0.0014	U	0.00092	U
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0034		*5.6*	U	0.0019	U	0.0024	U	0.0018	U	0.0024	U	0.0025	U	0.0031	U	0.0028	U	0.0018	U
Styrene	~	~	0.0013	J	5.6	U	0.0019	U	0.0024	U	0.0018	U	0.0024	U	0.0025	U	0.0031	U	0.0028	U	0.0018	U
Toluene	0.7	100	0.00065	J	0.77	J	0.0014	U	0.0018	U	0.0013	U	0.0018	U	0.00028	J	0.0023	U	0.0021	U	0.0014	U
Trichloroethylene (TCE)	0.47	21	0.0016	U	*2.8*	U	0.0014		0.0012	U	0.00038	J	0.0012	U	0.024		0.0004	J	0.0014	U	0.00092	U
Xylene (Total)	0.26	100	0.0176		ND		ND		ND		ND		ND		ND		ND		ND		ND	

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).

2. Only analytes with detections from within the sample set are shown.
3. Detections above the NYSDEC Part 375 Unrectricted Use SCO exceedances are highlighted and underlined.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting limits for non-detected analytes are *italicized*.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria not available
8. ND = Not Detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.

Table 1B
Soil Sample Detections Summary - Waste Characterization - Composite Samples
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_COMP-01S				G1_COMP-01D		G1_COMP-02S		G1_COMP-02D		G1_COMP-03S		G1_COMP-03D		G1_COMP-04S		G1_COMP-04D		G1_COMP-05S		G1_COMP-05D	
Client Sample ID			G1_COMP-01S_0-5		G1_COMP-DUP_091313_S		G1_COMP-01D_5-10		G1_COMP-02S_0-5		G1_COMP-02D_5-10		G1_COMP-03S_0-5		G1_COMP-03D_5-10		G1_COMP-04S_0-5		G1_COMP-04D_5-10		G1_COMP-05S_0-5		G1_COMP-05D_5-10	
Lab Sample ID			L1318158-12		L1318158-14		L1318158-11		L1318159-04		L1318159-05		L1318009-10		L1318009-09		L1318009-06		L1318009-04		L1318158-04		L1318158-03	
Sample Date			09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/12/2013		09/12/2013		09/12/2013		09/12/2013		09/12/2013		09/12/2013	
Sample Depth (feet bgs)			0 to 5		0 to 5		5 to 10		0 to 5		5 to 10		0 to 5		5 to 10		0 to 5		5 to 10		0 to 5		5 to 10	
SVOC (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-Methylnaphthalene	~	~	0.16	J	0.12	J	0.32		0.13	J	0.32		0.37	J	0.27	J	0.41		0.25	J	0.27		0.27	
3-Methylphenol	0.33	100	0.26	U	*0.51*	U	0.3	U	*0.52*	U	0.29	U	*1.1*	U	*0.58*	U	0.28	U	*1.1*	U	0.28	U	0.29	U
Acenaphthene	20	100	0.3		0.29		0.5		0.63		0.64		1		0.7		0.55		1.5		0.74		0.88	
Acenaphthylene	100	100	0.24		0.43		0.18		0.26	J	0.16		0.14	J	0.15	J	0.11	J	0.28	J	0.19		0.21	
Anthracene	100	100	0.94		1		1.7		1.9		1.4		2.6		2		1.8		4.2		1.9		2.1	
Benzaldehyde	~	~	0.24	U	0.47	U	0.12	J	0.48	U	0.2	J	0.99	U	0.53	U	0.26	U	1	U	0.13	J	0.11	J
Benzo(a)anthracene	1	1	**2.1**		**2.1**		**4.7**		**4.4**		**2.8**		**4.9**		**3.1**		**3.1**		**8.5**		**4.8**		**3.7**	
Benzo(a)pyrene	1	1	**1.9**		**1.9**		**5.2**		**3.5**		**2.9**		**4.1**		**2.7**		**2.7**		**8.1**		**5**		**3.8**	
Benzo(b)fluoranthene	1	1	**2.1**		**2.2**		**6.5**		**4.6**		**3.5**		**5**		**3.4**		**3.4**		**9.5**		**7.1**		**4.8**	
Benzo(g,h,i)perylene	100	100	1.2		1.6		3.9		2.3		1.9		2.2		1.6		1.5		4.9		3.4		2.4	
Benzo(k)fluoranthene	0.8	3.9	0.97		0.86		2.3		1.7		1.4		2		1.3		1.2		3.1		2.2		1.8	
Biphenyl (Diphenyl)	~	~	0.41	U	0.81	U	0.13	J	0.82	U	0.12	J	1.7	U	0.92	U	0.12	J	1.8	U	0.082	J	0.099	J
Bis(2-Ethylhexyl) Phthalate	~	~	0.18	U	0.35	U	0.21	U	0.36	U	0.2	U	0.4	J	0.4	U	0.33		0.78	U	0.2	U	0.2	U
Carbazole	~	~	0.33		0.33	J	0.58		0.7		0.65		0.76		0.48		0.54		1.2		0.78		0.8	
Chrysene	1	3.9	2.2		2		**4.8**		**4.2**		3.2		**4.7**		3.3		2.9		**9.6**		**4.8**		3.6	
Dibenz(a,h)anthracene	0.33	0.33	**0.34**		**0.36**		**0.96**		**0.72**		**0.6**		**0.66**		**0.44**		**0.44**		**1.2**		**1.2**		**0.7**	
Dibenzofuran	7	59	0.26		0.22	J	0.67		0.38		0.59		0.73	J	0.63		0.65		0.84		0.57		0.61	
Di-n-butylphthalate	~	~	0.18	U	0.35	U	0.21	U	0.12	J	0.2	U	0.75	U	0.4	U	0.05	J	0.78	U	0.2	U	0.2	U
Fluoranthene	100	100	4.2		4		12		8.8		6.5		10		7.7		6.3		20		5.5		6.7	
Fluorene	30	100	0.37		0.33	J	0.83		0.61		0.84		1.1		0.88		0.78		1.8		0.93		0.98	
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**1.3**		**1.7**		**4.3**		**2.6**		**2.1**		**2.6**		**1.8**		**1.8**		**5.2**		**3.7**		**2.7**	
Naphthalene	12	100	0.21		0.19	J	1.1		0.17	J	0.73		0.81		0.36	J	0.81		0.4	J	0.4		0.38	
Phenanthrene	100	100	3.8		3.3		7		7.6		5.5		9.8		7.9		6		17		5.3		6.6	
Phenol	0.33	100	0.18	U	*0.35*	U	0.21	U	*0.36*	U	0.2	U	*0.75*	U	*0.4*	U	0.2	U	*0.78*	U	0.2	U	0.2	U
Pyrene	100	100	3.8		3.7		8.2		7.4		5.3		8.4		6.5		5		20		6.3		6.6	
Total SVOCs	~	~	26.72	J	26.63	J	65.99	J	52.72	J	41.35	J	62.27	J	45.21	J	40.49	J	117.57	J	55.292	J	49.839	J
PCB (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aroclor 1260	~	~	0.0336	J	0.0237	J	0.0398	U	0.0351	U	0.0392	U	0.0375	U	0.0391	U	0.00971	J	0.0123	J	0.0379	U	0.0401	U
Aroclor 1254	~	~	0.0349	U	0.0343	U	0.0398	U	0.0351	U	0.0392	U	0.0375	U	0.0391	U	0.0388	U	0.0383	U	0.0379	U	0.0401	U
Total PCBs	0.1	1	0.0336	J	0.0237	J	ND		ND		ND		ND		ND		0.00971	J	0.0123	J	ND		ND	
Pesticides (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
p,p'-DDT	0.0033	7.9	*0.032*	U	*0.0317*	U	*0.0364*	U	0.0318	J	*0.0366*	U	*0.033*	U	*0.0176*	U	*0.017*	U	*0.0342*	U	*0.0347*	U	*0.0351*	U
Herbicides (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Total Herbicides	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum	~	~	6000		6300		4800		7900		3700		6900		5600		7400		6600		7500		5900	
Antimony	~	~	4.1	U	4.2	U	4.8	U	4.2	U	4.8	U	3.4	J	2.8	J	5.8		2	J	4.7	U	4.7	U
Arsenic	13	16	7.1		9.1		**54**		7.2		**46**		9.4		**34**		**17**		14		10		12	
Barium	350	400	280		270		89		390		170		180		87		210		100		250		160	
Beryllium	7.2	72	3.2		2.2		0.38	J	3.7		0.32	J	7.8		0.45	J	0.69		0.38	J	10		0.7	
Cadmium	2.5	4.3	1.4		1.3		1.2		1.1		0.8	J	1.2		2.2		1		0.92		2.1		1.1	
Calcium	~	~	54000		33000		7200		83000		7700		110000		20000		34000		14000		11000		13000	
Chromium Trivalent	30	180	53		37		12		43		12		57		15		31		18		74		16	
Chromium Hexavalent	1	110	0.88	U	0.87	U	1	U	0.88	U	0.99	U	0.68	J	0.39	J	0.71	J	0.65	J	0.96	U	0.97	U
Chromium, Total	~	~	53		37		12		43		12		57		15		31		18		74		16	
Cobalt	~	~	45		29		8.7		25		3.6		25		15		59		7.6		34		13	
Copper	50	270	**810**		**570**		100		**480**		130		**500**		170		**300**		86		**620**		170	
Iron	~	~	34000		31000		29000		25000		26000		25000		42000		24000		21000		31000		26000	
Lead	63	400	**860**		**700**		150		**1600**		160		**410**		330		**640**		220		**950**		**550**	
Magnesium	~	~	20000		7000		1100		27000		720		7000		2400		3700		5000		1700		4600	
Manganese	1600	2000	430		330		130		300		90		850		240		230		280		380		230	
Mercury	0.18	2.8	1.6		1.1		0.33		0.49		0.46		0.34		1		0.21		0.46		0.85		0.72	
Nickel	30	310	76		51		16		44		8.8		51		23		22		16		63		26	
Potassium	~	~	790		830		870		1000		610		810		630		790		770		830		720	
Selenium	3.9	180	0.48	J	0.72	J	4.8		0.66	J	4		1.7	U	3.4		0.5	J	0.91	J	1.2	J	1.1	J
Silver	2	180	0.28	J	0.27	J	0.96	U	0.84	U	0.96	U	0.17	J	0.94	U	0.94	U	0.92	U	1.5		0.94	U
Sodium	~	~	760		600		1100		810		790		760		480		520		320		470		210	
Vanadium	~	~	18		20		19		24		15		24		18		28		29		18		19	
Zinc	109	10000	4700		2700		64		2800		74		2500		240		1400		230		3700		600	
Petroleum Hydrocarbons (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Gasoline Range Organics	~	~	0.19	J	0.42	J	2.2	J	0.13	J	0.71	J	1.6	J	1.9	J	1.4	J	1.8	J	4.7		0.61	J
Total Petroleum Hydrocarbons	~	~	317		528		152		403		492		1210		162		396		254		537		234	
Other (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Cyanide	27	27	1	U	1	U	1.2	U	1	U	1.2	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only analytes with detections from within the sample set are shown.
3. Reporting limits (RL) above the NYSDEC Part 375 Unrectricted Use SCO exceedances are highlighted and underlined.
4. Reporting limits (RL) above the NYSDEC Part 375 Restricted Residential Use SCO exceedances are highlighted
5. Reporting limits above the NYSDEC Part 375 and CP-51 Restricted Use Residential and Protection of Groundwater SCO standards are **bolded and underlined.**
6. Reporting limits for non-detected exceedances are *italicized.*
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 1B
Soil Sample Detections Summary - Waste Characterization - Composite Samples
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_COMP-06S		G1_COMP-06D		G1_COMP-07S		G1_COMP-07D		G1_COMP-08S		G1_COMP-08D		G1_COMP-09S		G1_COMP-09D		G1_COMP-10S		G1_COMP-10D	
Client Sample ID			G1_COMP-06S_0-5		G1_COMP-06D_5-10		G1_COMP-07S_0-5		G1_COMP-07D_5-10		G1_COMP-08S_0-5		G1_COMP-08D_5-10		G1_COMP-09S_0-5		G1_COMP-09D_5-10		G1_COMP-10S_0-5		G1_COMP-10D_5-10	
Lab Sample ID			L1318158-07		L1318158-08		L1318164-04		L1318164-03		L1318164-06		L1318164-05		L1318162-01		L1318162-02		L1318161-03		L1318161-04	
Sample Date			09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/13/2013		09/13/2013	
Sample Depth (feet bgs)			0 to 5		5 to 10		0 to 5		5 to 10		0 to 5		5 to 10		0 to 5		5 to 10		0 to 5		5 to 10	
SVOC (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-Methylnaphthalene	~	~	2.8		0.4		0.18	J	0.24		3.6		0.091	J	0.7		1.1		1.2		11	
3-Methylphenol	0.33	100	0.28	U	0.28	U	*0.52*	U	0.27	U	*2.6*	U	0.28	U	*0.52*	U	0.29	J	0.23	J	0.87	J
Acenaphthene	20	100	6.6		1.6		0.44		0.38		5.6		0.18		1.6		2.5		0.83		22	
Acenaphthylene	100	100	0.71		0.23		0.13	J	0.17		1.4	U	0.16	U	0.46		1.8		0.15	J	4.3	
Anthracene	100	100	6.5		4.1		1.4		1.2		9		0.4		3.8		5.8		1		44	
Benzaldehyde	~	~	0.29		0.081	J	0.48	U	0.25	U	2.4	U	0.26	U	0.48	U	0.6	U	0.66		2.8	U
Benzo(a)anthracene	1	1	**3.8**		**7.5**		**3.5**		**3.1**		**13**		0.92		**6.3**		**9.8**		**1.4**		**80**	
Benzo(a)pyrene	1	1	**2.1**		**6.8**		**2.8**		**3.3**		**12**		0.94		**6.8**		**10**		**1.3**		**82**	
Benzo(b)fluoranthene	1	1	**3.3**		**6.4**		**3.4**		**4.2**		**15**		**1.1**		**7.4**		**12**		**1.6**		**88**	
Benzo(g,h,i)perylene	100	100	1		4.1		1.6		2.4		7.7		0.57		4.3		6.3		0.88		57	
Benzo(k)fluoranthene	0.8	3.9	1.1		2.5		1.3		1.7		**6.1**		0.39		3.2		**4**		0.78		**35**	
Biphenyl (Diphenyl)	~	~	1		0.16	J	0.82	U	0.078	J	0.69	J	0.44	U	0.2	J	0.41	J	0.24	J	4	J
Bis(2-Ethylhexyl) Phthalate	~	~	0.09	J	0.19	U	0.15	J	0.053	J	1.8	U	0.074	J	0.36	U	0.46	U	0.22	U	2.2	U
Carbazole	~	~	3.2		1.4		0.42		0.4		3.4		0.14	J	1.3		2.1		0.53		28	
Chrysene	1	3.9	3.6		**6.8**		3.6		3.6		**13**		0.94		**6.3**		**10**		1.5		**75**	
Dibenz(a,h)anthracene	0.33	0.33	0.33		**1.3**		**0.43**		**0.59**		**2**		0.15		**1.3**		**1.5**		0.25		**20**	
Dibenzofuran	7	59	4.4		1.2		0.39		0.4		3		0.15	J	0.86		2.1		0.62		25	
Di-n-butylphthalate	~	~	0.19	U	0.19	U	0.36	U	0.19	U	1.8	U	0.2	U	0.36	U	0.46	U	0.044	J	2.2	U
Fluoranthene	100	100	13		15		6.3		6.7		28		1.9		11		25		3.6		**180**	
Fluorene	30	100	6.1		1.9		0.47		0.5		5		0.18	J	1.6		2.7		0.72		28	
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**1.2**		**4.5**		**1.8**		**2.6**		**8.9**		**0.63**		**4.2**		**6.9**		**0.93**		**66**	
Naphthalene	12	100	11		0.69		0.27	J	0.41		6.6		0.11	J	1.5		2.8		8.3		35	
Phenanthrene	100	100	24		15		6.3		5.6		29		1.8		9		17		3.5		**220**	
Phenol	0.33	100	0.19	U	0.19	U	*0.36*	U	0.19	U	*1.8*	U	0.2	U	*0.36*	U	0.17	J	0.22	U	*2.2*	U
Pyrene	100	100	9.5		12		6		6		24		1.6		10		18		2.9		**140**	
Total SVOCs	~	~	105.62	J	93.661	J	40.88	J	43.621	J	195.59	J	12.265	J	81.82	J	142.27	J	33.164	J	1245.17	J
PCB (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aroclor 1260	~	~	0.0383	U	0.0382	U	0.0213	J	0.0117	J	0.0336	J	0.0389	U	0.055		0.0436	U	0.0449	U	0.041	U
Aroclor 1254	~	~	0.0383	U	0.0382	U	0.0353	U	0.0249	J	0.0352	U	0.0389	U	0.0349	U	0.0436	U	0.0449	U	0.041	U
Total PCBs	0.1	1	ND		ND		0.0213	J	0.0366	J	0.0336	J	ND		0.055		ND		ND		ND	
Pesticides (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
p,p'-DDT	0.0033	7.9	*0.0329*	U	*0.0332*	U	*0.0331*	U	0.0115	J	*0.0309*	U	*0.0174*	U	0.021	J	*0.0397*	U	0.0211	J	*0.0371*	U
Herbicides (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Total Herbicides	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum	~	~	5900		5100		6700		3500		8400		6500		6900		4200		6700		12000	
Antimony	~	~	4.5	U	1.3	J	4.2	U	1.2	J	4.2	U	4.6	U	4.3	U	5.7		5.3	U	5	U
Arsenic	13	16	11		11		6.3		**18**		13		**30**		9.6		12		16		13	
Barium	350	400	140		120		200		120		340		110		160		**420**		150		180	
Beryllium	7.2	72	2.1		0.39	J	4.2		0.21	J	4		1		4.9		0.44	J	0.52	J	1	
Cadmium	2.5	4.3	0.83	J	0.77	J	1.5		0.66	J	1.4		1.6		1.2		1.8		0.69	J	1.2	
Calcium	~	~	44000		11000		34000		18000		48000		13000		52000		9200		14000		14000	
Chromium Trivalent	30	180	22		12		54		8.4		54		13		39		15		26		29	
Chromium Hexavalent	1	110	0.23	J	0.94	U	0.89	U	0.92	U	0.88	U	0.94	U	0.89	U	*1.1*	U	*1.1*	U	1	U
Chromium, Total	~	~	22		12		54		8.4		54		13		39		15		26		29	
Cobalt	~	~	16		7.6		56		5		29		10		37		7.1		4.9		20	
Copper	50	270	230		100		**920**		150		**440**		**310**		**680**		**2900**		66		180	
Iron	~	~	18000		15000		33000		14000		26000		28000		27000		26000		20000		20000	
Lead	63	400	320		310		**810**		330		**680**		380		**460**		370		210		370	
Magnesium	~	~	14000		2300		11000		1400		14000		1200		18000		1500		2700		3000	
Manganese	1600	2000	210		270		440		180		280		120		310		230		140		800	
Mercury	0.18	2.8	0.2		0.45		1.4		1.2		0.22		1.5		0.12		0.64		0.47		0.91	
Nickel	30	310	29		15		92		13		51		17		69		16		14		29	
Potassium	~	~	760		780		820		570		1300		860		910		920		930		1700	
Selenium	3.9	180	1.8		1.1	J	0.49	J	2.6		0.69	J	2.4		0.8	J	1.3	J	1.7	J	0.8	J
Silver	2	180	0.9	U	0.92	U	0.32	J	0.88	U	0.85	U	0.21	J	0.2	J	0.25	J	1.1	U	0.99	U
Sodium	~	~	240		160	J	710		440		560		550		710		460		420		460	
Vanadium	~	~	19		18		19		13		24		21		18		17		46		26	
Zinc	109	10000	1200		400		5400		130		2500		220		3800		690		110		240	
Petroleum Hydrocarbons (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Gasoline Range Organics	~	~	4.9		20		1.6	J	0.2	J	1.6	J	1.8	J	1.5	J	2	J	30		0.7	J
Total Petroleum Hydrocarbons	~	~	548		320		264		322		402		148		1020		789		414		2430	
Other (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Cyanide	27	27	1.1	U	1.1	U	1.1	U	1.1	U	1	U	1.1	U	1	U	1.4	U	1.3	U	1.3	U

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only analytes with detections from within the sample set are shown.
3. Reporting limits (RL) above the NYSDEC Part 375 Unrectricted Use SCO exceedances are highlighted and underlined.
4. Reporting limits (RL) above the NYSDEC Part 375 Restricted Residential Use SCO exceedances are highlighted
5. Reporting limits above the NYSDEC Part 375 and CP-51 Restricted Use Residential and Protection of Groundwater SCO standards are **bolded and underlined.**
6. Reporting limits for non-detected exceedances are *italicized.*
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 1C
Soil Sample Detections Summary - Waste Characterization - Composite Samples
Supplemental Remedial Investigation Report - G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location		**G1_COMP-01S**				**G1_COMP-01D**		**G1_COMP-02S**		**G1_COMP-02D**		**G1_COMP-03S**		**G1_COMP-03D**		**G1_COMP-04S**		**G1_COMP-04D**		**G1_COMP-05S**		**G1_COMP-05D**	
Client Sample ID		**G1_COMP-01S_0-5**		**G1_COMP-DUP_091313_S**		**G1_COMP-01D_5-10**		**G1_COMP-02S_0-5**		**G1_COMP-02D_5-10**		**G1_COMP-03S_0-5**		**G1_COMP-03D_5-10**		**G1_COMP-04S_0-5**		**G1_COMP-04D_5-10**		**G1_COMP-05S_0-5**		**G1_COMP-05D_5-10**	
Lab Sample ID	**USEPA RCRA TCLP**	**L1318158-12**		**L1318158-14**		**L1318158-11**		**L1318159-04**		**L1318159-05**		**L1318009-10**		**L1318009-09**		**L1318009-06**		**L1318009-04**		**L1318158-04**		**L1318158-03**	
Sample Date		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/12/2013**		**09/12/2013**		**09/12/2013**		**09/12/2013**		**09/12/2013**		**09/12/2013**	
Sample Depth (feet bgs)		**0 to 5**		**0 to 5**		**5 to 10**		**0 to 5**		**5 to 10**		**0 to 5**		**5 to 10**		**0 to 5**		**5 to 10**		**0 to 5**		**5 to 10**	
TCLP Metals (mg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lead	5	0.48	J	0.34	J	0.19	J	0.72		0.06	J	0.04	J	0.1	J	0.18	J	0.43	J	**5.4**		1.9	
Mercury	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Silver	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Arsenic	5	1	U	1	U	0.03	J	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Barium	100	0.85		0.81		0.29	J	0.37	J	0.16	J	0.39	J	0.44	J	0.53		0.66		1		0.99	
Cadmium	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U	0.01	J	0.01	J
Chromium, Total	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Selenium	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
RCRA Characteristics		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
pH (pH units)	<2 or >12.5	8.6		9		7.7		8.3		8.9		8.4		8		9.4		7.9		7.8		7.5	
Reactive Cyanide (mg/kg)	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Ignitability	I/NI	NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI	
Sulfide Reactive (mg/kg)	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Miscellaneous		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Paint Filter (Negative/Positive)	~	Negative		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

Notes:
1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminations for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria not available
9. NA = Not Analyzed
10. I/NI = Ignitable/ Not Ignitable

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 1C
Soil Sample Detections Summary - Waste Characterization - Composite Samples
Supplemental Remedial Investigation Report - G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location		**G1_COMP-06S**		**G1_COMP-06D**		**G1_COMP-07S**		**G1_COMP-07D**		**G1_COMP-08S**		**G1_COMP-08D**		**G1_COMP-09S**		**G1_COMP-09D**		**G1_COMP-10S**		**G1_COMP-10D**	
Client Sample ID		**G1_COMP-06S_0-5**		**G1_COMP-06D_5-10**		**G1_COMP-07S_0-5**		**G1_COMP-07D_5-10**		**G1_COMP-08S_0-5**		**G1_COMP-08D_5-10**		**G1_COMP-09S_0-5**		**G1_COMP-09D_5-10**		**G1_COMP-10S_0-5**		**G1_COMP-10D_5-10**	
Lab Sample ID	**USEPA RCRA TCLP**	**L1318158-07**		**L1318158-08**		**L1318164-04**		**L1318164-03**		**L1318164-06**		**L1318164-05**		**L1318162-01**		**L1318162-02**		**L1318161-03**		**L1318161-04**	
Sample Date		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**		**09/13/2013**	
Sample Depth (feet bgs)		**0 to 5**		**5 to 10**		**0 to 5**		**5 to 10**		**0 to 5**		**5 to 10**		**0 to 5**		**5 to 10**		**0 to 5**		**5 to 10**	
TCLP Metals (mg/l)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lead	5	0.31	J	0.4	J	0.07	J	0.06	J	0.2	J	0.41	J	0.36	J	0.38	J	0.24	J	0.22	J
Mercury	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Silver	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Arsenic	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Barium	100	0.42	J	0.27	J	0.71		0.55		0.41	J	0.22	J	0.28	J	0.3	J	0.25	J	0.13	J
Cadmium	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, Total	5	0.2	U	0.2	U	0.02	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Selenium	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
RCRA Characteristics		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
pH (pH units)	<2 or >12.5	8.8		7.6		8.7		8.2		11		7.6		7.8		7.6		7.7		7.5	
Reactive Cyanide (mg/kg)	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Ignitability	I/NI	NI		NI		NI		NI		NI		NI		NI		NI		NI		NI	
Sulfide Reactive (mg/kg)	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Miscellaneous		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Paint Filter (Negative/Positive)	~	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	

Notes:
1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminations for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria not available
9. NA = Not Analyzed
10. I/NI = Ignitable/ Not Ignitable

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 2A
Soil Vapor, Soil, and Groundwater Sample Summary
Supplemental Remedial Investigation Report - Parcel G1

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample ID	Location ID	Sample Date	Sample Type	Depth (ft bgs)	Analysis
SOIL VAPOR SAMPLES						
1	SV-19_082114	SV-19	8/21/2014	Soil Vapor	6	TO-15 VOCs
2	SV-20_082114	SV-20	8/21/2014	Soil Vapor	6	TO-15 VOCs
3	SV-21_082114	SV-21	8/21/2014	Soil Vapor	5	TO-15 VOCs
4	SV-22_082114	SV-22	8/21/2014	Soil Vapor	5	TO-15 VOCs
5	SV-23_082114	SV-23	8/21/2014	Soil Vapor	5	TO-15 VOCs
6	SV-24_082114	SV-24	8/21/2014	Soil Vapor	5	TO-15 VOCs
SOIL SAMPLES						
1	SB-33_0-2	SB-33	8/20/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
2	SB-33_3-5	SB-33	8/20/2014	Grab	3 to 5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
3	SB-34_0-2	SB-34	8/20/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
4	SB-34_3-5	SB-34	8/20/2014	Grab	3 to 5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
5	SB-35_0-2	SB-35	8/20/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
6	SB-35_3-5	SB-35	8/20/2014	Grab	3 to 5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
7	SB-36_0-2	SB-36	8/20/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
8	SB-36_3-5	SB-36	8/20/2014	Grab	3 to 5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
9	SB-37_0-2	SB-37	8/20/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
10	SB-37_3-5	SB-37	8/20/2014	Grab	3 to 5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
GROUNDWATER SAMPLES						
1	MW-23_082614	MW-23	8/26/2014	Grab	15	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hexavalent Chromium
2	MW-33_082514	MW-33	8/25/2014	Grab	14	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hexavalent Chromium
3	MW-34_082614	MW-34	8/26/2014	Grab	14	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hexavalent Chromium

Notes:
1. TCL/TAL - Target Compound List/Target Analyte List
2. VOCs - Volatile Organic Compounds
3. SVOCs - Semivolatile Organic Compounds
4. PCBs - Polychlorinated Biphenyls
5. Depth (ft bgs) refers to: i) depth of bottom of soil vapor probe; ii) depth of soil sampling interval; and iii) total depth of monitoring well
6. All soil samples for VOC analysis were collected using EnCore™ sample devices.

Table 2B
Soil Vapor, Soil, and Groundwater QA/QC Sample Summary
Supplemental Remedial Investigation Report - Parcel G1

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample ID	Parent Sample ID	Sampling Location	Sample Date	QA/QC Type	Sample Type	Sampling Frequency	Analysis
SOIL VAPOR SAMPLES							
G1_SVDUP_082114	SV-20_082114	SV-20	8/21/2014	Field Duplicate	Soil Vapor	1 per 20 samples	TO-15 VOCs
G1_AA01_082114	N/A	N/A	8/21/2014	Background control	Ambient Air	1 per sampling event	TO-15 VOCs
SOIL SAMPLES							
G1_SODUP01_3-5	SB-33_3-5	SB-33	8/20/2014	Field Duplicate	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
SB-36_3-5_MS	SB-36_3-5	SB-36	8/20/2014	MS	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
SB-36_3-5_MSD	SB-36_3-5	SB-36	8/20/2014	MS	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
G1_SOFB01_082014	N/A	N/A	8/20/2014	Field Blank	N/A	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hexavalent Chromium)
GROUNDWATER SAMPLES							
MW-33_082514_MS	MW-33_082514	MW-33	8/25/2014	MS	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hexavalent Chromium)
MW-33_082514_MSD	MW-33_082514	MW-33	8/25/2014	MSD	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hexavalent Chromium)
G1_GWDUP01_082614	MW-34_082614	MW-34	8/26/2014	Field Duplicate	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hexavalent Chromium)
G1_GWFB01_082514	N/A	N/A	8/25/2014	Field Blank	N/A	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hexavalent Chromium)
G1_GWTB01_082514	N/A	N/A	8/25/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
G1_GWTB02_082514	N/A	N/A	8/26/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)

Notes:
1. TCL/TAL - Target Compound List/Target Analyte List
2. VOCs - Volatile Organic Compounds
3. SVOCs - Semivolatile Organic Compounds
4. PCBs - Polychlorinated Biphenyls
5. MS - Matrix Spike
6. MSD - Matrix Spike Duplicate
7. N/A - Not Applicable
8. All soil samples for VOC analysis were collected using EnCore™ sample devices.

Table 3
Groundwater Elevation Summary
Supplemental Remedial Investigation Report - Parcel G1

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Well ID	Inner Casing Elevation (ft NAVD88)	Screened Interval (ft bgs)	Total Well Depth (ft bgs)	Date Gauged	Time Gauged	Depth to Groundwater (ft bgs)	Groundwater Elevation (ft NAVD88)
MW-23	10.62[a]	5 to 15	15	8/28/2014	9:08	7.77	2.85
MW-33	7.92	4 to 14	14	8/28/2014	8:59	7.51	0.41
MW-34	8.51	4 to 14	14	8/28/2014	9:03	8.14	0.37

Notes:
1. All monitoring wells were completed with flush-mount well covers and a concrete collar.
2. NAVD88 - National Vertical Datum of 1988. Datum refers to the National Vertical Datum of 1988 (NAVD88) which is approximately 1.1 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).
3. "a" - Elevation refers to ground surface. Well was under vehicle during survey. Top of inner casing was not surveyed.
4. ft bgs - feet below ground surface

Table 4
Soil Vapor Sample Detections Summary
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYSDOH AGV**	**SV-19** **SV-19_082114** **L1419089-01** **8/21/2014**		**SV-20** **SV-20_082114** **L1419089-02** **8/21/2014**		**SV-20** **G1-SVDUP_082114** **L1419089-07** **8/21/2014**		**SV-21** **SV-21_082114** **L1419089-03** **8/21/2014**		**SV-22** **SV-22_082114** **L1419089-04** **8/21/2014**		**SV-23** **SV-23_082114** **L1419089-05** **8/21/2014**		**SV-24** **SV-24_082114** **L1419089-06** **8/21/2014**		**AA-01** **G1-AA01_082114** **L1419089-08** **8/21/2014**	
VOCs (µg/m³)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,2,4-Trimethylbenzene	~	49.2		49.2		0.983		11.6		12.2		11.5		53.6		0.983	U
1,3,5-Trimethylbenzene	~	13.4		13.4		0.983		9.83	U	9.83	U	9.83	U	53.6		0.983	U
1,3-Butadiene	~	9.45		9.45		0.442		4.42	U	4.42	U	4.42	U	12.9		0.442	U
1,3-Dichlorobenzene	~	6.01	U	6.01	U	1.2	U	57.1		74		63.1		51.8		1.2	U
2,2,4-Trimethylpentane	~	4.67	U	4.67	U	1.08	U	16.3		12		14.2		9.34	U	1.08	
2-Butanone	~	30.1		30.1		2.16		139		160		153		116		2.16	
2-Hexanone	~	13.1		13.1		0.82		8.2	U	8.2	U	8.2	U	8.2	U	0.82	U
4-Ethyltoluene	~	11.7		11.7		0.983		9.83	U	9.83	U	9.83	U	9.83	U	0.983	U
Acetone	~	202		202		15.6		677		668		629		2180		15.6	
Benzene	~	8.37		8.37		0.754		7.83		6.68		6.39	U	428		0.754	
Carbon disulfide	~	42.4		42.4		0.623		6.23	U	6.23	U	6.23	U	187		0.623	U
Chloromethane	~	2.07	U	2.07	U	1.02	U	9.48		4.19		4.98		48.7		1.02	
cis-1,2-Dichloroethene	~	3.96	U	3.96	U	0.793	U	7.93	U	7.93	U	22.8		7.93	U	0.793	U
Cyclohexane	~	65.4		65.4		0.688		9.84		7.68		8.09		57.8		0.688	U
Dichlorodifluoromethane	~	4.94	U	4.94	U	1.82	U	9.89	U	9.89	U	9.89	U	9.89	U	1.82	
Ethanol	~	31.8		31.8		17.4		8570		5800		7350		3750		17.4	
Ethylbenzene	~	15		15		0.869		10.8		10.9		11.2		271		0.869	U
Heptane	~	52.9		52.9		0.82		15.7		16.4		13.7		414		0.82	U
Isopropanol	~	6.66		6.66		2.22	U	3880		2510		3320		1870		2.22	
Methylene chloride	60	8.69	U	8.69	U	2.02	U	17.4	U	17.4	U	17.4	U	17.4	U	2.02	
n-Hexane	~	148		148		1.01		19.9		27.1		10.8		913		1.01	
o-Xylene	~	29.2		29.2		0.869		15.9		16.6		15.5		264		0.869	U
p/m-Xylene	~	69.5		69.5		1.74		39.2		38.9		38.4		738		1.74	U
Styrene	~	103		103		0.852		8.52	U	8.52	U	8.52	U	43		0.852	U
Tertiary butyl Alcohol	~	11.8		11.8		1.52		17.2		33.3		19.6		17.7		1.52	U
Tetrachloroethene	30	6.78	U	6.78	U	1.4	U	13.6	U	13.6	U	13.6	U	13.6	U	1.4	
Tetrahydrofuran	~	2.95	U	2.95	U	2.75	U	106		193		170		57.5		2.75	
Toluene	~	33.5		33.5		3.25		130		127		133		1530		3.25	
Trichloroethene	5	*5.37*	U	*5.37*	U	1.07	U	**109**		**207**		**118**		**349**		1.07	U
Trichlorofluoromethane	~	5.62	U	5.62	U	1.25	U	11.2	U	11.2	U	11.2	U	11.2	U	1.25	
Xylenes, Total	~	98.7		98.7		2.609		55.1		55.5		53.9		1002		ND	

Notes:
1. Soil vapor and ambient air samples analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs).
2. Only compounds with detections are shown in the table.
3. NYSDOH AGV exceedances are highligted and bolded.
4. Reporting Limits (RL) above the NYSDOH AGV standards are *italicized*.
5. VOCs = Volatile Organic Compounds
6. µg/m³ = micrograms per cubic meter
7. "~" = Criteria does not exist.

Qualifiers (Q):
U =The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 5A
Soil Sample Detections Summary - VOCs and SVOCs
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date Sample Depth (feet)	NYSDEC Part 375 and CP-51 Unrestricted Use SCO	NYSDEC Part 375 and CP-51 Restricted-Residential Use SCO	SB_33 SB-33_0-2 L1418990-01 8/20/2014 0 to 2		SB-33 SB-33_3-5 L1418990-02 8/20/2014 3 to 5		SB-33 G1_SODUP01_3-5 L1418990-11 8/20/2014 3 to 5		SB-34 SB-34_0-2 L1418990-03 8/20/2014 0 to 2		SB-34 SB-34_3-5 L1418990-04 8/20/2014 3 to 5		SB-35 SB-35_0-2 L1418990-05 8/20/2014 0 to 2		SB-35 SB-35_3-5 L1418990-06 8/20/2014 3 to 5		SB-36 SB-36_0-2 L1418990-07 8/20/2014 0 to 2		SB-36 SB-36_3-5 L1418990-08 8/20/2014 3 to 5		SB-37 SB-37_0-2 L1418990-09 8/20/2014 0 to 2		SB-37 SB-37_3-5 L1418990-10 8/20/2014 3 to 5	
Volatile Organic Compounds (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,2-Dichloroethane	0.02	3.1	0.0016	U	0.0016	U	0.0017	U	0.0011	U	0.0011	U	0.0014	U	0.0015	U	0.00034	J	0.0011	U	0.0013	U	0.0012	U
2-Butanone	0.12	100	0.016	U	0.016	U	0.017	U	0.011	U	0.011	U	0.014	U	0.015	U	0.013	U	0.011	U	0.0022	J	0.0012	J
Acetone	0.05	100	0.016	U	0.016	U	0.017	U	0.0074	J	0.011	U	0.014	U	0.015	U	0.0014	J	0.0018	J	0.022		0.01	J
Ethylbenzene	1	41	0.0016	U	0.0016	U	0.0017	U	0.0011	U	0.00015	J	0.0014	U	0.0015	U	0.0013	U	0.00039	J	0.0013	U	0.0012	U
Methyl cyclohexane	~	~	0.0063	U	0.0064	U	0.00036	J	0.0044	U	0.0043	U	0.0056	U	0.0061	U	0.00026	J	0.0043	U	0.00027	J	0.0048	U
o-Xylene	~	~	0.0032	U	0.0032	U	0.0034	U	0.0022	U	0.0021	U	0.0028	U	0.003	U	0.0026	U	0.00031	J	0.0026	U	0.0024	U
p/m-Xylene	~	~	0.00063	J	0.00065	J	0.0005	J	0.00047	J	0.00055	J	0.00048	J	0.00086	J	0.00035	J	0.0011	J	0.0007	J	0.00045	J
Toluene	0.7	100	0.00041	J	0.00056	J	0.0011	J	0.00034	J	0.00034	J	0.00041	J	0.00051	J	0.00054	J	0.00066	J	0.00047	J	0.00046	J
Trichloroethene	0.47	21	0.0016	U	0.0016	U	0.0011	J	0.0035		0.0015		0.001	J	0.00058	J	0.0013	U	0.0011	U	0.0013	U	0.0012	U
Xylenes, Total	0.26	100	0.00383	J	0.00385	J	0.0039	J	0.00267	J	0.00265	J	0.00328	J	0.00386	J	0.00295	J	0.00141	J	0.0033	J	0.00285	J
Semivolatile Organic Compounds (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-Methylnaphthalene	~	~	3.3		0.42	J	0.34	J	0.067	J	0.25		0.42	U	0.24	U	0.2	U	0.21	U	0.37		1.2	
3-Methylphenol/4-Methylphenol	0.33	100	*0.54*	U	*1.3*	U	*0.53*	U	0.25	U	0.26	U	0.51	U	0.28	U	0.24	U	0.25	U	0.064	J	0.51	U
Acenaphthene	20	100	8.6		1.7		1.6		0.27		0.3		0.28	U	0.16	U	0.041	J	0.058	J	0.7		2.8	
Acenaphthylene	100	100	0.25	J	0.42	J	1.3		0.21		0.1	J	0.28	U	0.16	U	0.079	J	0.19		0.47		0.3	
Anthracene	100	100	20		9		8.1		0.68		0.7		0.074	J	0.12	U	0.16		0.26		2		5.3	
Benzo(a)anthracene	1	1	**32**		**27**		**24**		**1.7**		**1.5**		0.3		0.23		0.77		0.78		**5.2**		**8.5**	
Benzo(a)pyrene	1	1	**25**		**24**		**22**		**1.5**		**1.4**		0.46		0.24		0.8		0.79		**4.8**		**7.9**	
Benzo(b)fluoranthene	1	1	**33**		**26**		**24**		**1.9**		**1.8**		0.4		0.31		1		0.98		**6.4**		**10**	
Benzo(ghi)perylene	100	100	16		15		13		0.88		0.96		0.82		0.17		0.59		0.52		2.6		4.8	
Benzo(k)fluoranthene	0.8	3.9	**9.5**		**11**		**7.9**		0.71		0.62		0.16	J	0.12		0.39		0.43		2		3.6	
Biphenyl	~	~	0.9		2.1	U	0.84	U	0.4	U	0.063	J	0.81	U	0.45	U	0.39	U	0.39	U	0.14	J	0.5	J
Bis(2-Ethylhexyl)phthalate	~	~	0.37	U	0.91	U	0.37	U	0.18	U	0.18	U	0.25	J	0.2	U	0.22		0.098	J	0.17	U	0.36	U
Carbazole	~	~	8.6		0.76	J	0.68		0.22		0.28		0.35	U	0.2	U	0.054	J	0.086	J	0.77		2.3	
Chrysene	1	3.9	**30**		**26**		**25**		1.6		1.6		0.29		0.21		0.82		0.83		**5.2**		**8.9**	
Dibenzo(a,h)anthracene	0.33	0.33	**4.7**		**3.3**		**3.1**		0.25		0.24		0.21	U	0.054	J	0.15		0.13		**0.74**		**1.2**	
Dibenzofuran	7	59	7.9		1		0.88		0.14	J	0.26		0.35	U	0.2	U	0.17	U	0.17	U	0.66		3	
Fluoranthene	100	100	80		55		44		3.7		4.2		0.57		0.32		1.4		1.6		9.2		27	
Fluorene	30	100	11		2.2		1.8		0.23		0.31		0.35	U	0.2	U	0.17	U	0.064	J	0.88		3.7	
Indeno(1,2,3-cd)Pyrene	0.5	0.5	**17**		**16**		**14**		**1**		**1**		0.39		0.2		**0.61**		**0.55**		**3**		**5.2**	
Naphthalene	12	100	8		0.64	J	0.6		0.093	J	0.38		0.35	U	0.2	U	0.17	U	0.062	J	0.65		1.9	
Phenanthrene	100	100	81		29		23		2.5		3.4		0.34		0.11	J	0.74		0.87		7.8		32	
Pyrene	100	100	61		58		46		3.3		3.5		0.61		0.29		1.3		1.4		7.8		22	
Total SVOCs	~	~	457.75	J	306.44	J	261.3	J	20.95	J	22.863	J	4.664	J	2.384	J	9.124	J	8.91	J	61.444	J	134.71	J

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 and CP-51 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. Detections above the NYSDEC Part 375 Unrestricted Use SCO are shaded and underlined.
4. Detections above the NYSDEC Part 375 and CP-51 Restricted-Residential SCO are shaded and **bolded.**
5. Detections above the NYSDEC Part 375 Unrestricted Use and NYSDEC Part 375 and CP-51 Restricted-Residential SCO standards are **bolded and underlined.**
6. Reporting Limits (RL) above the NYSDEC Part 375 and CP-51 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are *italicized.*
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. ND = Not Detected

Qualifiers (Q):

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit; therefore, the result is an estimated concentration.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 5B
Soil Sample Detection Summary - PCBs, Pest, Herb, Metals, and Non-Metals
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date Sample Depth (feet)	NYSDEC Part 375 and CP-51 Unrestricted Use SCO	NYSDEC Part 375 and CP-51 Restricted-Residential Use SCO	SB_33 SB-33_0-2 L1418990-01 8/20/2014 0 to 2		SB-33 SB-33_3-5 L1418990-02 8/20/2014 3 to 5		SB-33 G1_SODUP01_3-5 L1418990-11 8/20/2014 3 to 5		SB-34 SB-34_0-2 L1418990-03 8/20/2014 0 to 2		SB-34 SB-34_3-5 L1418990-04 8/20/2014 3 to 5		SB-35 SB-35_0-2 L1418990-05 8/20/2014 0 to 2		SB-35 SB-35_3-5 L1418990-06 8/20/2014 3 to 5		SB-36 SB-36_0-2 L1418990-07 8/20/2014 0 to 2		SB-36 SB-36_3-5 L1418990-08 8/20/2014 3 to 5		SB-37 SB-37_0-2 L1418990-09 8/20/2014 0 to 2		SB-37 SB-37_3-5 L1418990-10 8/20/2014 3 to 5	
Polychlorinated Biphenyls (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aroclor 1260	~	~	0.0375	U	0.0321	J	0.0166	J	0.034	U	0.0346	U	0.0162	J	0.0379	U	0.0112	J	0.0349	U	0.0331	U	0.0347	U
PCBs, Total	0.1	1	0.0375	U	0.0321	J	0.0166	J	0.034	U	0.0346	U	0.0162	J	0.0379	U	0.0112	J	0.0349	U	0.0331	U	0.0347	U
Pesticides (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
4,4'-DDD	0.0033	2.6	0.0018	U	0.00848	U	0.00176	U	0.00161	U	0.00175	U	0.00172	U	0.00179	U	0.00126	J	0.00162	U	0.00158	U	0.00165	U
4,4'-DDE	0.0033	1.8	0.0018	U	0.00848	U	0.00176	U	0.00161	U	0.00175	U	0.00224		*0.00936*		0.00118	J	0.000915	J	0.00158	U	0.00165	U
4,4'-DDT	0.0033	1.7	0.00338	U	*0.0159*	U	0.00329	U	0.00303	U	0.00329	U	0.00222	J	*0.00336*	U	0.00298		0.00303	U	0.00297	U	0.00309	U
cis-Chlordane	0.094	4.2	0.00226	U	0.0106	U	0.00219	U	0.00202	U	0.00219	U	0.00214	U	0.00439		0.00197	U	0.00202	U	0.00198	U	0.00206	U
Endosulfan II	2.4	24	0.00318		0.00861		0.00613		0.00161	U	0.00175	U	0.00172	U	0.00179	U	0.00158	U	0.00162	U	0.00158	U	0.00165	U
Endrin ketone	~	~	0.0018	U	0.00848	U	0.00176	U	0.00636		0.0104		0.00172	U	0.00179	U	0.00231		0.00466		0.00158	U	0.00165	U
Herbicides (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Herbicides Total	~	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum, Total	~	~	7400		6600		4300		5900		8000		4800		5600		2700		4200		3500		5400	
Antimony, Total	~	~	4	J	1.3	J	1.2	J	1.1	J	1.3	J	0.97	J	4.5	U	4.1	U	0.92	J	4.2	U	0.98	J
Arsenic, Total	13	16	14		8.4		12		6.2		3.6		9.1		9.2		12		9.7		13		12	
Barium, Total	350	400	180		120		62		330		140		130		400		78		240		59		56	
Beryllium, Total	7.2	72	2		0.82		0.98		1.3		0.26	J	0.25	J	0.19	J	0.24	J	0.21	J	0.18	J	0.32	J
Cadmium, Total	2.5	4.3	0.49	J	0.08	J	0.21	J	0.22	J	0.08	J	0.2	J	3.2		0.18	J	0.26	J	0.22	J	0.83	U
Calcium, Total	~	~	65000		14000		100000		120000		10000		38000		75000		160000		90000		82000		6100	
Chromium, Hexavalent	1	110	0.24	J	0.89	U	0.9	U	0.85	U	0.88	U	0.87	U	0.94	U	0.83	U	0.84	U	0.84	U	0.86	U
Chromium, Trivalent	30	180	37		20		16		22		21		9.4		9.7		7.2		10		8.3		16	
Chromium, Total	~	~	37		20		16		22		21		9.4		9.7		7.2		10		8.3		16	
Cobalt, Total	~	~	20		9.1		9		16		8		4		3.6		5.7		2.7		5.4		6.5	
Copper, Total	50	270	**430**		170		230		230		40		56		15		120		46		55		47	
Iron, Total	~	~	28000		18000		12000		17000		18000		8900		16000		9800		12000		11000		15000	
Lead, Total	63	400	**640**		230		250		**600**		150		**440**		**3400**		180		330		120		120	
Magnesium, Total	~	~	35000		5000		57000		10000		3600		6400		5600		74000		2600		45000		2700	
Manganese, Total	1600	2000	320		170		190		280		360		140		160		200		160		260		200	
Mercury, Total	0.18	0.81	**2.6**		0.22		0.17		0.53		0.24		0.06	J	**5.5**		0.22		0.27		0.36		0.11	
Nickel, Total	30	310	67		26		29		33		18		12		9.3		10		8.2		11		22	
Potassium, Total	~	~	540		710		350		1400		2500		590		860		440		600		570		910	
Selenium, Total	3.9	180	0.93	J	0.38	J	1.8	U	1.6	U	1.7	U	1.7	U	1.8	U	1.6	U	1	J	1.7	U	0.31	J
Silver, Total	2	180	0.29	J	0.89	U	0.89	U	0.81	U	0.84	U	0.83	U	0.91	U	0.82	U	0.83	U	0.83	U	0.83	U
Sodium, Total	~	~	440		280		440		580		170		250		470		140	J	330		210		93	J
Vanadium, Total	~	~	51		24		19		21		29		20		14		13		15		12		20	
Zinc, Total	109	10000	2200		880		1000		1400		140		210		3300		260		260		120		78	
General Chemistry			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Solids, Total	~	~	87.8		89.9		89		94.4		91.2		92.2		84.6		96.3		95.4		94.9		92.7	
Cyanide, Total	27	27	1.1	U	1	U	0.39	J	1	U	0.34	J	0.7	J	1	U	0.32	J	0.97	U	1.1	U	1	U

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 and CP-51 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. Detections above the NYSDEC Part 375 Unrestricted Use SCO are shaded and underlined.
4. Detections above the NYSDEC Part 375 and CP-51 Restricted-Residential SCO are shaded and **bolded.**
5. Detections above the NYSDEC Part 375 Unrestricted Use and NYSDEC Part 375 and CP-51 Restricted-Residential SCO standards are **bolded and underlined.**
6. Reporting Limits (RL) above the NYSDEC Part 375 and CP-51 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are *italicized.*
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. ND = Not Detected

Qualifiers (Q):

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 5C
Soil Sample Detections Summary - QA/QC Samples
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**Field Blank** **G1_SOFB01_082014** **L1418990-12** **8/20/2014**	
VOCs (µg/l)	Field Blank	Q
VOCs, Total	ND	
SVOCs (µg/l)	Result	Q
Bis(2-Ethylhexyl)phthalate	1.7	J
PCBs (µg/l)	Result	Q
PCBs, Total	ND	
Pesticides (µg/l)	Result	Q
Pesticides, Total	ND	
Herbicides (µg/l)	Result	Q
Herbicides Total	ND	
Metals (µg/l)	Result	Q
Metals, Total	ND	
General Chemistry (µg/l)	Result	Q
Cyanide, Total	ND	

Notes:

1. Only compounds with detections are shown in the table.
2. VOCs = Volatile Organic Compounds
3. SVOCs = Semivolatile Organic Compounds
4. PCBs = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. ND= Not Detected

Qualifiers (Q):

J = The analyte was detected above the Method Detection Limit (I
below the Reporting Limit; therefore, the result is an estimated co

Table 5A
Groundwater Sample Detections Summary - VOCs and SVOCs
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYSDEC TOGS SGVs - Class GA**	**MW-23** **MW-23_082614** **L1419472-01** **8/26/2014**		**MW-33** **MW-33_082514** **L1419360-01** **8/25/2014**		**MW-34** **MW-34_082614** **L1419472-02** **8/26/2014**		**MW-34** **G1_GWDUP01_082614** **L1419472-03** **8/26/2014**	
Volatile Organic Compounds (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q
Benzene	1	0.5	U	0.5	U	0.77		0.19	J
Methyl tert butyl ether	10	2.5	U	2.5	U	2	J	1.6	J
trans-1,2-Dichloroethene	5	**7.4**		**20**		**16**		**11**	
Semi-volatile Organic Compounds (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q
Benzo(a)anthracene	~	0.07	J	0.2	U	0.2	U	0.2	U
Benzo(a)pyrene	0	0.11	J	*0.2*	U	*0.2*	U	*0.2*	U
Benzo(b)fluoranthene	0.002	**0.09**	J	*0.2*	U	*0.2*	U	*0.2*	U
Chrysene	0.002	**0.06**	J	**0.05**	J	*0.2*	U	*0.2*	U
Fluoranthene	50	0.14	J	0.12	J	0.2	U	0.2	U
Indeno(1,2,3-cd)Pyrene	0.002	**0.15**	J	*0.2*	U	*0.2*	U	*0.2*	U
Phenanthrene	50	0.13	J	0.1	J	0.2	U	0.2	U
Pyrene	50	0.13	J	0.11	J	0.2	U	0.2	U

Notes:

1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA Water.
2. Only compounds with detections are shown in the table.
3. NYSDEC TOGS 1.1.1 SGVs exceedances are shaded and bolded black.
4. µg/l = micrograms per liter
5. ~ = This criteria does not exist.

Qualifiers (Q):

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.

Table 5B
Groundwater Analytical Results - PCBs, Pesticides, Herbicides and Metals
Supplemental Remedial Investigation Report - Parcel G1

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sampling Date	NYSDEC TOGS SGVs - Class GA	MW-23 MW-23_082614 L1419472-01 8/26/2014		MW-33 MW-33_082514 L1419360-01 8/25/2014		MW-34 MW-34_082614 L1419472-02 8/26/2014		MW-34 G1_GWDUP01_082614 L1419472-03 8/26/2014	
PCBs (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q
PCBs, Total	0.09	0.083	U	0.083	U	0.083	U	0.083	U
Pesticides (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q
Pesticides, Total	~	ND		ND		ND		ND	
Herbicides (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q
Herbicides, Total	~	ND		ND		ND		ND	
Metals (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q
Aluminum, Total	~	943		1850		127		106	
Antimony, Total	3	0.4	J	**3.95**		1.1	J	0.97	J
Arsenic, Total	25	2.08		9.94		**58.5**		**56.26**	
Barium, Total	1000	483.1		133.6		130.5		127.2	
Beryllium, Total	3	0.5	U	0.14	J	0.5	U	0.5	U
Cadmium, Total	5	0.06	J	0.09	J	0.2	U	0.2	U
Calcium, Total	~	234000		62600		225000		230000	
Chromium, Total	50	2.46		5.15		2.58		2.62	
Cobalt, Total	~	1.29		2.07		5.37		5.26	
Copper, Total	200	8.21		38.3		2.47		1.91	
Iron, Total	300	**25400**		**3840**		**15100**		**14600**	
Lead, Total	25	**69.01**		**98.03**		15.97		13.8	
Magnesium, Total	35000	**134000**		11100		**48900**		**48100**	
Manganese, Total	300	**979.2**		55.55		**1637**		**1687**	
Mercury, Total	0.7	0.19	J	0.45		0.2	U	0.2	U
Nickel, Total	100	2.35		5.58		9.52		8.67	
Potassium, Total	~	45800		6960		22800		22300	
Selenium, Total	10	0.31	J	2.3	J	5	U	5	U
Sodium, Total	20000	**312000**		**123000**		**357000**		**368000**	
Thallium, Total	0.5	0.5	U	0.05	J	0.5	U	0.5	U
Vanadium, Total	~	4.81	J	15.1		0.75	J	0.68	J
Zinc, Total	2000	43.4		73.07		71.98		67.35	
Dissolved Metals (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q
Aluminum, Dissolved	~	2.75	J	30.7		2.86	J	2.55	J
Antimony, Dissolved	3	0.7	J	**5.9**		1.22	J	0.69	J
Arsenic, Dissolved	25	0.69		5.43		17.35		**28.15**	
Barium, Dissolved	1000	299.7		68.61		99.01		100.2	
Calcium, Dissolved	~	238000		59000		198000		203000	
Chromium, Dissolved	50	0.73	J	0.88	J	0.54	J	0.53	J
Cobalt, Dissolved	~	0.5		0.81		4.72		4.8	
Copper, Dissolved	200	1	U	5.59		0.19	J	1	U
Iron, Dissolved	300	**16200**		52.3		**2030**		**6620**	
Lead, Dissolved	25	0.26	J	2.54		0.22	J	0.2	J
Magnesium, Dissolved	35000	**118000**		10800		**46800**		**46600**	
Manganese, Dissolved	300	**818.2**		34.02		**1613**		**1684**	
Nickel, Dissolved	100	0.86		2.87		6.96		6.79	
Potassium, Dissolved	~	43700		5770		22500		22200	
Selenium, Dissolved	10	0.53	J	1.96	J	5	U	5	U
Sodium, Dissolved	20000	**31300**		**98500**		**318000**		**329000**	
Vanadium, Dissolved	~	0.87	J	8.1		5	U	5	U
Zinc, Dissolved	2000	10	U	24.59		30.43		37.65	
General Chemistry (µg/l)		Result	Q	Result	Q	Result	Q	Result	Q
Cyanide, Total	200	2	J	6		3	J	2	J

Notes:
1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA Water.
2. Only compounds with detections are shown in the table.
3. NYSDEC TOGS 1.1.1 SGVs exceedances are shaded and bolded black.
4. µg/l = micrograms per liter
5. ~ = This criteria does not exist.

Qualifiers (Q):
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.

Table 3
Groundwater Sample Detections Summary - QA/QC Samples
Supplemental Remedial Investigation Report - Parcel G1

Parcel G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**Field Blank** **G1_GWFB01_082514** **L1419360-02** **8/25/2014**		**Trip Blank** **G1_GWTB01_082514** **L1419360-03** **8/25/2014**		**Trip Blank** **G1_GWTB02_082614** **L1419472-04** **8/26/2014**	
VOCs (µg/l)	Result	Q	Result	Q	Result	Q
Total VOCs	ND		ND		ND	
SVOCs (µg/l)	Result	Q	Result	Q	Result	Q
Naphthalene (SVOA)	0.24		NA		NA	
PCBs (µg/l)	Result	Q	Result	Q	Result	Q
PCBs, Total	ND		NA		NA	
Pesticides (µg/l)	Result	Q	Result	Q	Result	Q
Pesticides, Total	ND		NA		NA	
Herbicides (µg/l)	Result	Q	Result	Q	Result	Q
Herbicides, Total	ND		NA		NA	
Metals (µg/l)	Result	Q	Result	Q	Result	Q
Antimony, Total	1.4	J	NA		NA	
Chromium, Total	0.47	J	NA		NA	
Copper, Total	0.81	J	NA		NA	
Nickel, Total	0.14	J	NA		NA	
Potassium, Total	66.8	J	NA		NA	
Vanadium, Total	0.21	J	NA		NA	
Dissolved Metals (µg/l)	Result	Q	Result	Q	Result	Q
Antimony, Dissolved	0.65	J	NA		NA	
Chromium, Dissolved	0.57	J	NA		NA	
Copper, Dissolved	0.93	J	NA		NA	
Manganese, Dissolved	0.18	J	NA		NA	
Nickel, Dissolved	0.15	J	NA		NA	
Potassium, Dissolved	38.7	J	NA		NA	
Sodium, Dissolved	98.5	J	NA		NA	
General Chemistry (µg/l)	Result	Q	Result	Q	Result	Q
Cyanide, Total	2	J	NA		NA	

Notes:
1. Only compounds with detections are shown in the table.
2. VOCs = Volatile Organic Compounds
3. SVOCs = Semivolatile Organic Compounds
4. PCBs = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. ND= Not Detected
7. NA= Not Analyzed

Qualifiers (Q):
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.

APPENDIX A

PREVIOUS ENVIRONMENTAL REPORTS

11 November 2013

Marian Klein Feldt
Senior Vice President
Greenpoint Landing Developers, LLC
535 Madison Avenue
New York, NY 10022

Re: Waste Characterization Technical Letter Report
Greenpoint Landing – Building G1 and Proposed CSO
Brooklyn, New York
Langan Project No.: 170229002

Dear Marian:

Langan Engineering, Environmental, Survey and Landscape Architecture, D.P.C (Langan) prepared this Waste Characterization Technical Letter Report for Building G1 (Parcel G) and the proposed combined sewer overflow (CSO) and outfall in Parcel F at the Greenpoint Landing development project in Brooklyn, New York on behalf of Greenpoint Landing Developers, LLC (GLD). This letter report documents soil and groundwater sampling activities performed within the proposed footprint of Building G1 and the CSO and the analytical results for excess soil and groundwater that will be generated during construction. The report includes a description of sampling methodology, field observations, and a tabulated summary of laboratory analytical results. The purpose of the waste characterization investigation was to provide sufficient information to help evaluate construction costs related to management and disposal of excess soil and groundwater. The soil and groundwater analytical data presented herein may be used by the soil disposal contractor to obtain off-site receiving facility pre-approvals for the excess soil and groundwater generated during construction.

BACKGROUND

Site Description

Building G1 is located on Parcel G of the Greenpoint Landing development project. Parcel G is vacant and asphalt-paved and encompasses an area of about 85,999 square feet on the upland

part of Block 2472 Lot 100. Parcel G is bound by Commercial Street to the south, Parcel F to the west, Parcel H to the east, and the East River and Newtown Creek to the north. A plan of the Greenpoint Landing development project is presented as Figure 1.

The proposed at-grade building footprint of Building G1 is about 21,850 square feet. The proposed excavation footprint for Building G1 (including the cellar level) is about 26,000 square feet. Current grade within the excavation footprint of Building G1 ranges from about el. 7 to 10 BBHD[1].

The proposed CSO and outfall will be located on Parcel F of the Greenpoint Landing development project. Parcel F is currently vacant and asphalt-paved and encompasses an area of about 73,634 square feet on the upland part of Block 2472 Lot 100. Parcel F is bound by Commercial Street to the south, Newtown Barge Playground to the west, Parcel G to the east, and the East River and Newtown Creek to the north. Current grade within the footprint of the proposed CSO outfall ranges from about el. 6 to 11 BBHD.

Proposed Development

Building G1

The proposed development includes the construction of a 30-story residential tower (with cellar) with market-rate housing units, one level of underground parking, and three levels of aboveground parking. The development will require excavating an approximately 26,000-square-foot area to a depth of about 10 feet below current grade for the construction of the cellar level and foundation components. We estimate about 10,000 cubic yards of subsurface material will be excavated during construction.

Proposed CSO

The proposed development includes relocating a public 24-inch New York City Department of Environmental Protection (NYCDEP) CSO and outfall from Parcel G to Parcel F. The CSO drains the regulating chamber at the intersection of Commercial and Franklin streets. The new CSO will drain the same regulating chamber, but will be rerouted to Parcel F to accommodate the future development. The new CSO will be approximately 500 linear feet of 24-inch reinforced concrete pipe set in a concrete cradle supported by driven timber piles and will discharge to the

[1] All elevations referenced herein are with respect to the Borough of Brooklyn Highway Datum (BBHD), which is 2.56 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

East River through a new precast concrete outfall to be approved and permitted by the New York State Department of Environmental Conservation (NYSDEC). The first approximately 100 feet of the CSO will be installed in the public right-of-way (ROW) on Commercial Street; the remaining approximately 400 feet of the CSO will be installed within Parcel F. The segment of the CSO in the public ROW will be restored to Department of Transportation (DOT) specifications, which requires a 4-inch concrete sidewalk. The segment of the CSO within Parcel F will be backfilled, covered with asphalt pavement, and located beneath a future private driveway. The construction of the relocated CSO and outfall will require excavating an approximately 14,150-square-foot area on private property to a depth of 10 feet below grade with a 1.5 layback slope from the 5-foot wide pipe platform.[2] We estimate about 3,000 cubic yards (CY) of subsurface material will be excavated during construction.

SAMPLING METHODOLOGY

The waste characterization of Buildings G1 and the CSO outfall was performed during the period September 12-14, 2013. Our waste characterization grid system, sampling frequency, and analytical parameter list are conservative and based on the analytical requirements for soil reuse set forth by the NYC OER and typical receiving facility requirements. The design of our sampling program is not intended to meet the specific requirements of all receiving facilities and the soil disposal contractor may be required to perform additional soil sampling and analysis.

Building G1

Parcel G1 was divided into ten approximately 2,700-square-foot waste characterization grids. Waste characterization grids were composed of a shallow and deep cell, each representing approximately 500 CY of subsurface material. The shallow cell extends from the surface to approximately 5 feet below grade surface (bgs) and the deep cell extends approximately 5 to 10 feet bgs.

Proposed CSO

[2] As an alternative, industry standard steel trench boxes may be used to facilitate the construction of the proposed CSO. Assuming a 10-foot steel trench box is used along the full length (500 feet) of the proposed CSO, we estimate about 1,850 cubic yards of subsurface material will be excavated during construction.

The proposed CSO trench was divided into six approximately 2,400-square-foot waste characterization grids. Waste characterization grids were composed of cells extending from the surface to approximately 10 feet below grade surface (bgs) and comprising approximately 500 CY of subsurface material. The cells for the proposed CSO trench assume an excavation cut of 10 feet and a 1.5 layback slope from the 5-foot wide CSO pipe platform. The sampling program characterized the estimated maximum volume of soil and fill material to be excavated during the construction of the CSO.

Soil Investigation

Building G1

Twenty soil borings within the footprint of Building G1 were completed by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York under the supervision of Langan field engineers during the period September 12-13, 2013. Two soil borings (denoted "A" and "B") were completed within each waste characterization grid. Soil boring locations are presented in Figure 2.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 10 feet bgs. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field engineers. Boring logs for completed borings are provided as Attachment A. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each shallow and deep grid cell. Each sample set comprised one discrete sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the appropriate depth interval (i.e., shallow [0-5 feet bgs] or deep [5-10 feet bgs]) of the two soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval within the appropriate depth interval (i.e., shallow or deep) between the two soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were

collected at random if no evidence of contamination was observed. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Twenty sample sets and one duplicate sample were collected and submitted for laboratory analysis. Two field blank samples (one per sampling day) and ten trip blanks were collected and analyzed for quality assurance/quality control (QA/QC) purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid number and cell (i.e., shallow or deep) from which a sample was collected. A summary of all samples collected and submitted for laboratory analysis is provided as Tables 1A and 1B.

Proposed CSO

Twelve soil borings were completed by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York under the supervision of Langan field engineers on September 14, 2013. Two soil borings (denoted "A" and "B") were completed within each waste characterization grid. Soil boring locations are presented in Figure 3.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 10 feet bgs. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field engineers. Boring logs for completed borings are provided as Attachment B. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each grid cell. Each sample set comprised one grab sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the two soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval between the two soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Six sample sets were collected and submitted for laboratory analysis. Three trip blanks were collected and analyzed for quality assurance/quality control (QA/QC) purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid cell number from which a sample was collected. A summary of all samples collected and submitted for laboratory analysis is provided as Tables 2A and 2B.

Laboratory Analytical Program

All samples were containerized in laboratory-supplied glassware and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Alpha Analytical, Inc. of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol. Grab soil samples were analyzed for VOCs only by United States Environmental Protection Agency (USEPA) Method 8260C. Only one composite sample from Building G1 was analyzed for paint filter. No composite samples from the Proposed CSO were analyzed for paint filter. Composite soil samples were analyzed for the following parameters:

- Semi-volatile organic compounds (SVOCs) (USEPA Method 8270D)
- Polychlorinated biphenyls (PCBs) (USEPA Method 8082A)
- Organochlorine pesticides (USEPA Method 8081B)
- Herbicides (USEPA Method 8151A)
- Ttarget analyte list [TAL] metals (USEPA Method 6010C/7471B)
- Hexavalent chromium (USEPA Method 7196A)_
- Cyanide (USEPA Method 9010C/9012A)
- Toxicity characteristic leaching procedure [TCLP] Resource Conservation and Recovery Act (RCRA) 8 metals (USEPA Method 1311)
- Ignitability (USEPA Method 1030)
- Corrosivity (USEPA Method 9045D)
- Cyanide Reactivity (SW846 Chapter 7.3)
- Sulfide Reactivity (SW846 Chapter 7.3)
- Total petroleum hydrocarbons gasoline-range organics (TPH-GRO) (USEPA Method 8015C)
- Total petroleum hydrocarbons diesel-range organics (TPH-DRO) (USEPA Method 8015C)
- Paint filter (USEPA Method 9095A)

Soil samples were analyzed for the above parameters to meet the analytical requirements for soil reuse set forth by NYC OER and typical receiving facility analytical requirements. Trip blanks were analyzed for VOCs only.

The laboratory was instructed to report all analytes inclusive of the United States Environmental Protection Agency (USEPA) Target Compound Lists (TCL) and the Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375 lists. In addition, the laboratory was instructed to report the analytical data as an Analytical Services Protocol (ASP) Category A data deliverable and as an Electronic Data Deliverable (EDD) consistent with the New York State Department of Environmental Conservation (NYSDEC) requirements.

Groundwater Investigation

One groundwater monitoring well, MW-1, was installed within the footprint of Building G1 by ADT on September 13, 2013. However, Langan was unsuccessful in properly developing this well (yield was extremely low and the well did not recharge adequately during development presumably because the well screen was set in the very fine-grained native formation [e.g., clayey silt)] with low hydraulic conductivity). Therefore, Langan redeveloped and sampled one of its own geotechnical observation wells, GB-12(OW). GB-12(OW) was installed on June 5, 2013. GB-12(OW) was constructed with 10 feet of 2-inch Schedule 40 PVC solid riser pipe and 10 feet of 0.020-inch slotted Schedule 40 PVC well screen. The total depth of the well was 20 feet. Depth to water was measured to be approximately 8.12 feet below the top of the inner casing. The well annulus in the screened interval was filled with a No.2 Filpro pure silica sand primary filter pack. A 1-foot annular seal of hydrated bentonite was installed above the primary filter pack and screened interval. The annulus around the solid PVC riser pipe was filled with No.2 Filpro pure silica sand up to a cement-bentonite surface seal. The monitoring well was fitted with a locking well cap and flush-mounted, 8-inch manhole cover with a concrete collar.

Langan collected one groundwater samples from GB-12(OW) on September 19, 2013. The groundwater sample was collected in general accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010) and USEPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells*. The groundwater sample was collected using a stainless steel submersible pump connected to dedicated polyethylene tubing. Before the groundwater sample was collected, the well was gauged with an interface probe and then continuously purged at rate of about 500 mL/min until all groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature,

and oxidation-reduction potential) stabilized in accordance with the USEPA's low flow procedures for three consecutive readings. A multi-parameter water-quality system (YSI 6820) was used to monitor the groundwater quality parameters. The groundwater sampling log for GB-12(OW) is provided as Attachment C. Before sampling, depth to groundwater was measured at 8.12 feet below the top of the inner well casing.

The groundwater sample was containerized in laboratory-supplied glassware and submitted to a NYSDOH ELAP-certified laboratory (Alpha) via courier service under standard chain-of-custody protocol. A summary of the laboratory analyses performed on the groundwater sample is provided as Table 3. The groundwater sample was analyzed for the NYCDEP discharge effluent parameters and the NYSDEC Region 2 State Pollutant Discharge Elimination System (SPDES) and Long Island Well Permit Application dewatering parameters. The laboratory was instructed to report all analytical data in an ASP Category A data deliverable and as an EDD consistent with the NYSDEC requirements.

FIELD OBSERVATIONS

Building G1

The stratigraphy underlying Building G1 comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to about 10 feet bgs (end of borings) across most of the sampling area and is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, slag, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings, except borings SB-3B, SB-4B, SB-5B, SB-7A, SB-7B, SB-9B, and SB-10A, at depths ranging from about 0.5 to about 10 feet bgs. Coal ash, fly ash, and/or cinders were identified in all completed borings, except borings SB-1B, SB-3B, SB-5A, and SB-6B, at depths ranging from about 0.5 to about 10 feet bgs. Slag was identified in borings SB-3A, SB-4B, SB-9A, SB-9B, and SB-10B, at depths ranging from about 4 to about 10 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to greater than 9,999 ppm. PID readings above 50 ppm were identified in borings SB-3A (0 to 5 feet bgs), SB-3B (0 to 5 feet bgs), SB-5B (0 to 5 feet bgs) and SB-6A (2 to 8 feet bgs). The PID readings above 50 ppm correspond to the presence of historic fill material and road base material in three of the four locations. At SB-6A, the PID readings above 50 ppm correspond to the presence of wood fragments. No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or

other gross contamination was identified in any of the completed borings. Boring logs for Building G1 are provided as Attachment A.

Proposed CSO

The stratigraphy within the proposed CSO trench comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to about 10 feet bgs across most of the sampling area and is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, slag, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings, except borings SB-1B, SB-6A, and SB-6B, at depths ranging from about 0 to about 10 feet bgs. Coal ash, fly ash, and/or cinders were identified in all completed borings, except borings SB-5B and SB-6B, at depths ranging from about 0 to about 10 feet bgs. Slag was identified in all completed borings, except SB-1A and SB-5A, at depths ranging from about 2 to about 10 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to 1,400 ppm. PID readings above 50 ppm were identified in borings SB-2A (2 to 9 feet bgs), SB-2B (1 to 6 feet bgs), SB-3A (6 to 10 feet bgs), SB-4A (3 to 9 feet bgs), SB-4B (6 to 8 feet bgs), SB-5A (0 to 4 and 8 to 10 feet bgs), SB-5B (0 to 10 feet bgs), and SB-6A (0 to 10 feet bgs). No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or other gross contamination was identified in any of the completed borings. Boring logs for the proposed CSO outfall are provided as Attachment B.

ANALYTICAL RESULTS

The analytical soil results were tabulated and compared to the following regulatory criteria:

- Title 6 of the New York Codes, Rules, Regulations (NYCRR) Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs);
- 6 NYCRR Part 375-6.8(b) Restricted Use Restricted-Residential SCOs;
- New Jersey Administrative Code (N.J.A.C.) 7:26D Remediation Standards, Appendix 1, Table 1A – Residential Direct Contact Soil Remediation Standards;
- N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1B – Non-Residential Direct Contact Soil Remediation Standards; and
- Title 40 Code of Federal Regulations (CFR) 261 Subpart C and Table 1 of 40 CFR 261.24 Maximum Concentrations of Contaminants for the Toxicity Characteristic.

The analytical soil results for Building G1 are presented in Tables 4A, 4B, 4C, 4D and 4E. The analytical soil results for the proposed CSO outfall are presented in Tables 5A, 5B, 5C, 5D, and 5E. Quality assurance and quality control (QA/QC) sample analytical results for Building G1 are presented in Table 6. QA/QC sample analytical results for the proposed CSO outfall are presented in Table 7.

The analytical groundwater results were compared to the following regulatory criteria:

- NYCDEP Limitations for Effluent to Sanitary or Combined Sewers;
- NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class I Waters; and
- NYSDEC TOGS 1.1.1 Groundwater Effluent Limitations for Class GA Waters and 6 NYCRR Part 703.6 Groundwater Effluent Limitations for Discharges to Class GA Waters.

The analytical groundwater results for Building G1 are presented in Tables 8, 9 and 10.

The laboratory analytical data reports for soil samples are provided as Attachment D. The laboratory analytical data reports for groundwater samples are provided as Attachment E. A copy of Alpha's ELAP certification is provided as Attachment F.

LIMITATIONS

This report was prepared expressly for Greenpoint Landing Developers, LLC and for the objectives defined herein. Langan cannot assume responsibility for the use of this Report for any property other than the specific property addressed in this report, or by any third party without specific written authorization from Langan.

The observations and results provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations. Langan is providing the waste classification data contained herein to assist the contractor in their efforts to gain approval from facilities for disposal of material. Based on the facility selected, the Contractor may be required to collect

additional samples and have additional laboratory analysis completed. Langan is in no way responsible for the waste characterization grid, including marking out or maintaining or ensuring the accuracy of the grid. Handling, characterizing, marking out grids, excavating, transporting and disposing of material is solely the responsibility of the Contractor.

CLOSING

Should you have any questions regarding the findings presented in this report, please feel free to call us at 212-479-5400. We look forward to assisting you on this project.

Sincerely,

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

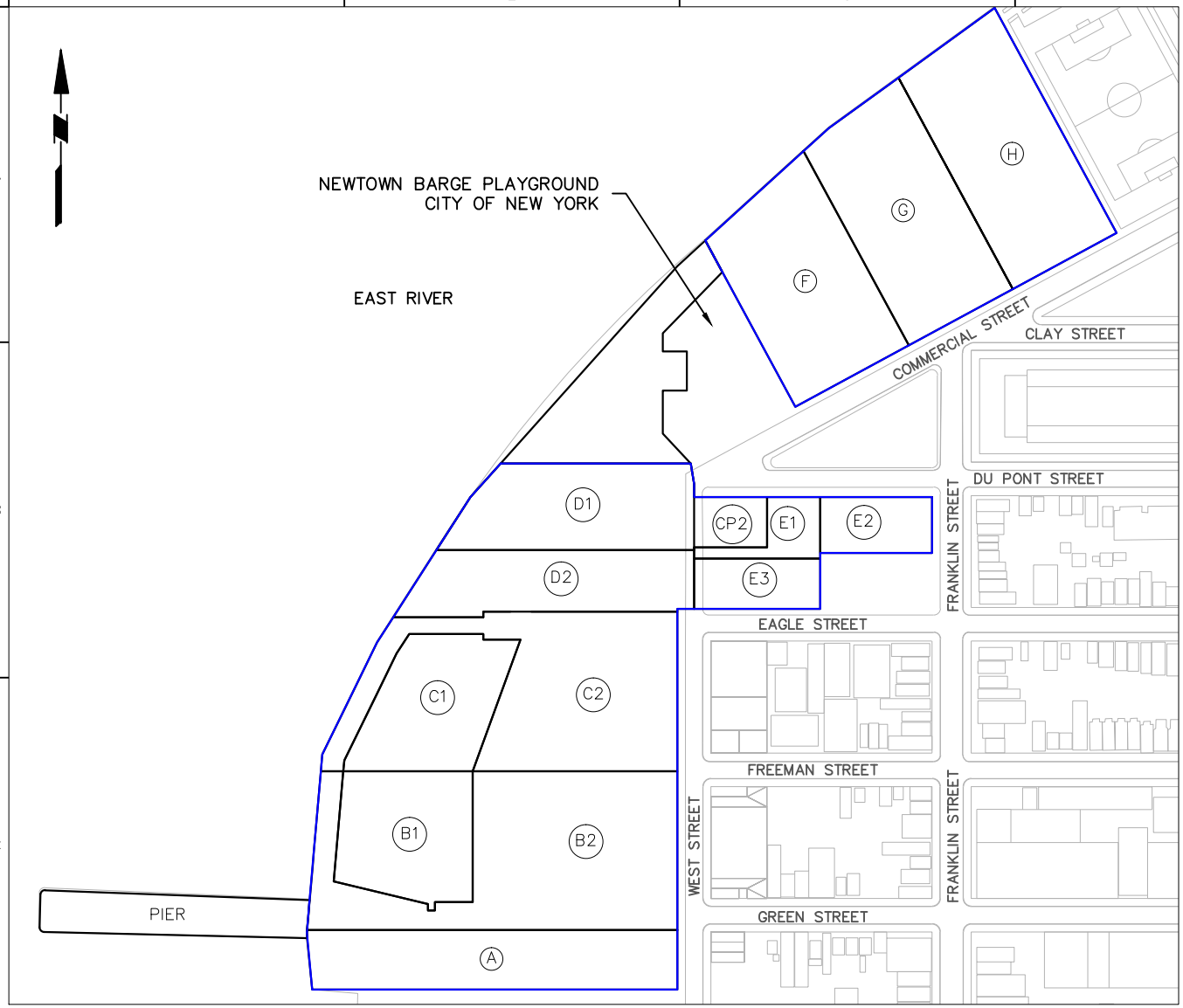
Mimi S. Raygorodetsky
Senior Project Scientist

cc: G.Wyka (Langan)
M.Chertok (SPR)

Enclosure(s): Figure 1 – Greenpoint Landing Development Project
Figure 2 – Building G1 – Waste Characterization Sampling Location Map
Figure 3 – Proposed CSO – Waste Characterization Sampling Location Map
Table 1A – Building G1 – Soil Sample Summary
Table 1B – Building G1 – QA/QC Sample Summary
Table 2A – Proposed CSO – Soil Sample Summary
Table 2B – Proposed CSO – QA/QC Sample Summary
Table 3 – Building G1 – Groundwater Sample Summary
Table 4A – Building G1 – Grab Soil Sample Results Summary (NY)
Table 4B – Building G1 – Composite Soil Sample Results Summary (NY)
Table 4C – Building G1 – Grab Soil Sample Results Summary (NJ)
Table 4D – Building G1 – Composite Soil Sample Results Summary (NJ)
Table 4E – Building G1 – Composite Soil Sample Results Summary (Federal)
Table 5A – Proposed CSO – Grab Soil Sample Results Summary (NY)
Table 5B – Proposed CSO – Composite Soil Sample Results Summary (NY)
Table 5C – Proposed CSO – Grab Soil Sample Results Summary (NJ)
Table 5D – Proposed CSO – Composite Soil Sample Results Summary (NJ)
Table 5E – Proposed CSO – Composite Soil Sample Results Summary (Federal)
Table 6 – Building G1 – QA/QC Sample Results Summary

Table 7 – Proposed CSO – QA/QC Sample Results Summary
Table 8 – Building G1 – Groundwater Sample Results Summary (NYCDEP)
Table 9 – Building G1 – Groundwater Sample Results Summary (Class I)
Table 10 – Building G1 – Groundwater Sample Results Summary (Class GA)
Attachment A – Building G1 – Boring Logs
Attachment B – Proposed CSO – Boring Logs
Attachment C – Building G1 – Groundwater Sampling Logs
Attachment D – Laboratory Analytical Data Reports (Soil)
Attachment E – Laboratory Analytical Data Reports (Groundwater)
Attachment F – Analytical Laboratory Certification

FIGURES



LEGEND

- APPROXIMATE PROJECT BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- (A) PARCEL ID

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "310215-FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. NORTH ARROW SHOWS PROJECT NORTH.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Langan International LLC

Collectively known as Langan

Project

GREENPOINT LANDING

BROOKLYN

KINGS NEW YORK

Drawing Title

GREENPOINT LANDING DEVELOPMENT PROJECT

Project No. 170229002	Drawing No. 1
Date 11/04/2013	
Scale 1" = 300'	
Drawn By GCW	
Submission Date	Sheet 1 of 3

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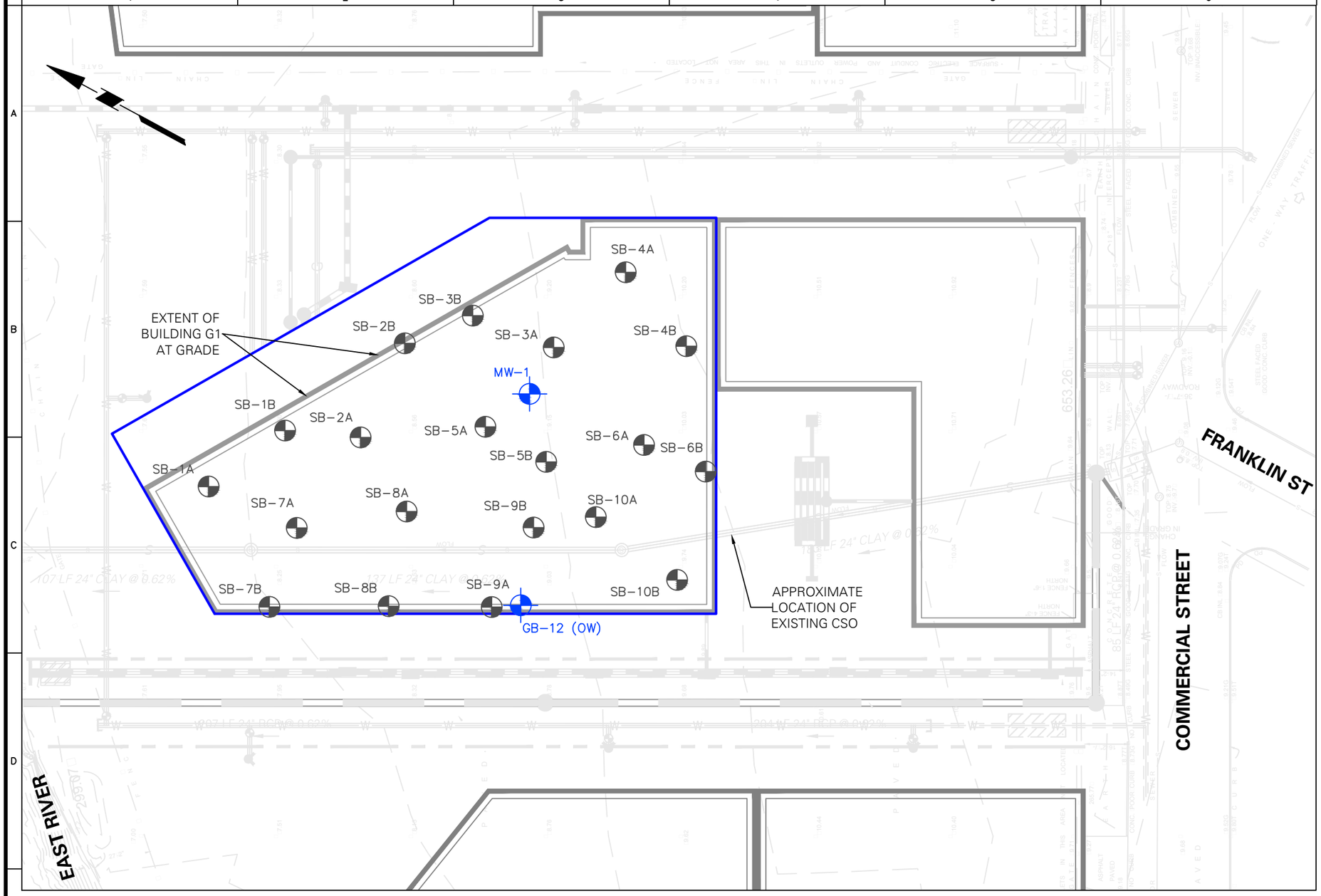

LEGEND

- PROPOSED FOOTPRINT OF BUILDING G1
- SB-1A — BORING LOCATION AND ID
- MW-1 — MONITORING WELL LOCATION AND ID

GENERAL NOTES

1. BASE PLANS TAKEN FROM LANGAN DRAWINGS: UTILITY DRAWING "170229001-C-UI0101", DATED 08/16/2013 AND SITE SURVEY "170229001-V-EX0101", DATED 08/13/2013.
2. ALL BORING AND WELL LOCATIONS WERE LOCATED BY GPS.
3. BUILDING G1 CELLAR EXTENDS OUTSIDE THE ABOVE GROUND BUILDING EXTENTS, AS NOTED.
4. WASTE CHARACTERIZATION SAMPLING FOR BUILDING G1 CONSISTED OF SHALLOW APPROX. 500-CY CELLS FROM 0 TO 5 FEET AND DEEP APPROX. 500-CY CELLS FROM 5 TO 10 FEET BELOW SURFACE GRADE.
5. SAMPLE LABELING REFLECTS THE GRID AND CELL FROM WHERE THE SAMPLE WAS COLLECTED.
6. MW-1 WAS INSTALLED WITHIN THE FOOTPRINT OF BUILDING G1. A GROUNDWATER SAMPLE WAS COLLECTED FROM GB-12 (OW), WHICH WAS INSTALLED BY LANGAN GEOTECHNICAL. GB-12 (OW) WAS SAMPLED USING USEPA LOW FLOW SAMPLING METHODS AND ANALYZED FOR NYCDEP AND NYSDEC SPDES PARAMETERS.

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Project: GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title: WASTE CHARACTERIZATION SAMPLING LOCATION MAP
BUILDING G1

Project No. 170229002	Drawing No. 2
Date 11/04/2013	
Scale 1" = 40'	
Drawn By SD / Checked By GCW	
Submission Date	Sheet 2 of 3

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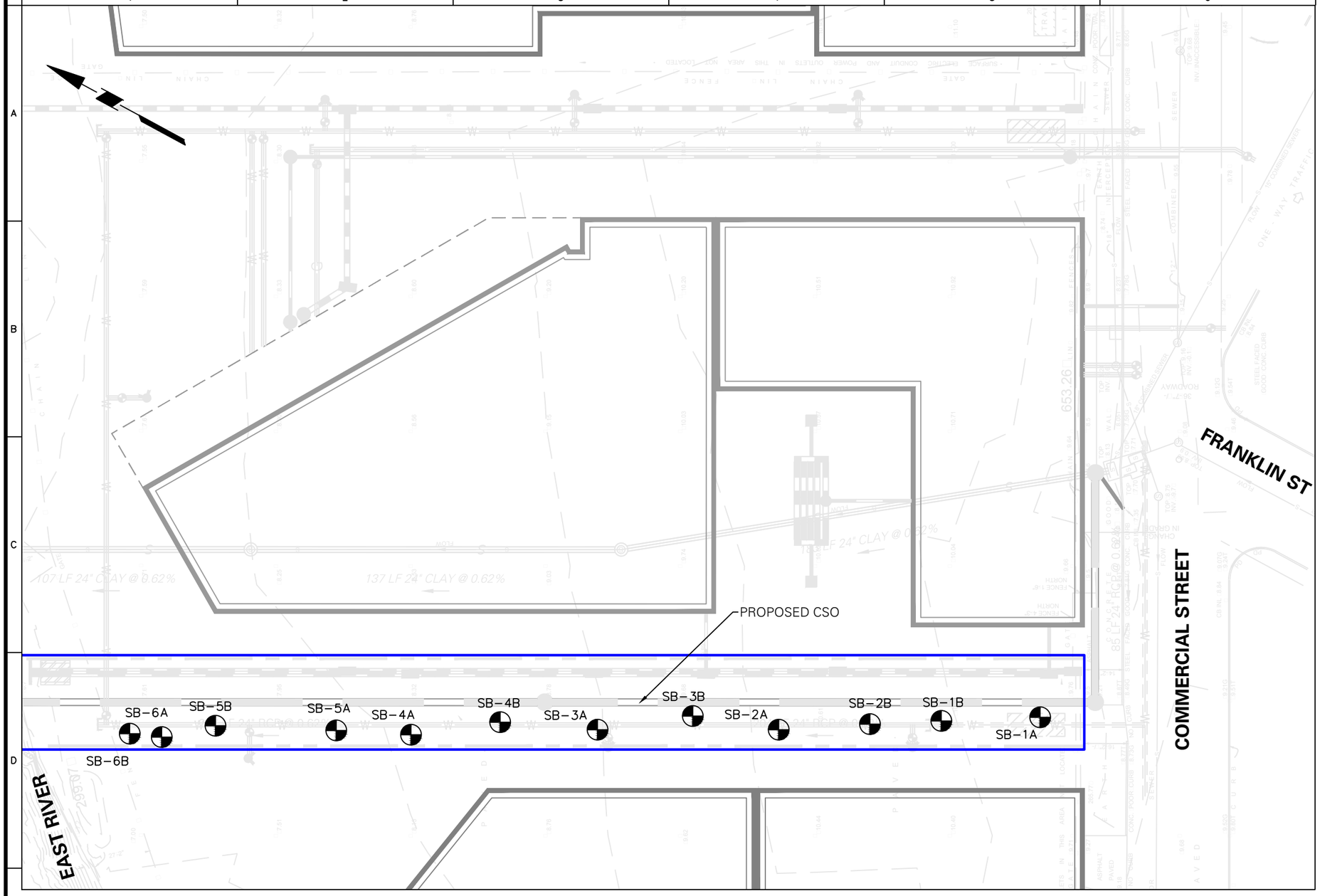

LEGEND

PROPOSED EXCAVATION FOOTPRINT OF CSO AND OUTFALL

SB-1A BORING LOCATION AND ID

GENERAL NOTES

1. BASE PLANS TAKEN FROM LANGAN DRAWINGS: UTILITY DRAWING "170229001-C-UI0101", DATED 08/16/2013 AND SITE SURVEY "170229001-V-EX0101", DATED 08/13/2013.
2. ALL BORING LOCATIONS WERE LOCATED BY GPS.
3. WASTE CHARACTERIZATION SAMPLING FOR THE PROPOSED CSO CONSISTED OF APPROX. 500-CY CELLS FROM 0 TO 10 FEET BELOW GRADE SURFACE. THE CELLS ASSUME AN EXCAVATION CUT OF 10 FEET AND A 1.5 LAYBACK SLOPE FROM THE 5-FOOT WIDE CSO PIPE PLATFORM.
4. SAMPLE LABELING REFLECTS THE GRID AND CELL FROM WHERE THE SAMPLE WAS COLLECTED.
5. NO GROUNDWATER SAMPLES WERE COLLECTED FROM WITHIN THE FOOTPRINT OF THE PROPOSED CSO OUTFALL.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

40 0 10 25 40
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Collectively known as Langan

Project: GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title: WASTE CHARACTERIZATION SAMPLING LOCATION MAP
PROPOSED CSO

Project No. 170229002	Drawing No. 3
Date 11/04/2013	
Scale 1" = 40'	
Drawn By SD / Checked By GCW	
Submission Date	Sheet 3 of 3

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TABLES

Table 1A
Soil Sample Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
1	G1_SB-01A_9-9.5	Grab	SB-01A	9 to 9.5	VOCs
2	G1_COMP-01S_0-5	Composite	SB-1A, SB-1B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO), PAINT FILTER
3	G1_SB-01B_4-4.5	Grab	SB-01B	4 to 4.5	VOCs
4	G1_COMP-01D_5-10	Composite	SB-1A, SB-1B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
5	G1_SB-02A_2.5-3	Grab	SB-02A	2.5 to 3	VOCs
6	G1_COMP-02S_0-5	Composite	SB-2A, SB-2B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
7	G1_SB-02A_8-8.5	Grab	SB-02A	8 to 8.5	VOCs
8	G1_COMP-02D_5-10	Composite	SB-2A, SB-2B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
9	G1_SB-03B_4-4.5	Grab	SB-03B	4 to 4.5	VOCs
10	G1_COMP-03S_0-5	Composite	SB-3A, SB-3B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
11	G1_SB-03B_9-9.5	Grab	SB-03B	9 to 9.5	VOCs
12	G1_COMP-03D_5-10	Composite	SB-3A, SB-3B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
13	G1_SB-04A_2-2.5	Grab	SB-04A	2 to 2.5	VOCs
14	G1_COMP-04S_0-5	Composite	SB-4A, SB-4B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
15	G1_SB-04A_9-9.5	Grab	SB-04A	9 to 9.5	VOCs
16	G1_COMP-04D_5-10	Composite	SB-4A, SB-4B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
17	G1_SB-05B_3-3.5	Grab	SB-05B	3 to 3.5	VOCs
18	G1_COMP-05S_0-5	Composite	SB-5A, SB-5B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
19	G1_SB-05B_8-8.5	Grab	SB-05B	8 to 8.5	VOCs
20	G1_COMP-05D_5-10	Composite	SB-5A, SB-5B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)

Notes:

1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 1A
Soil Sample Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
21	G1_SB-06A_3-3.5	Grab	SB-06A	3 to 3.5	VOCs
22	G1_COMP-06S_0-5	Composite	SB-6A, SB-6B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
23	G1_SB-06A_7-7.5	Grab	SB-06A	7 to 7.5	VOCs
24	G1_COMP-06D_5-10	Composite	SB-6A, SB-6B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
25	G1_SB-07A_3.5-4	Grab	SB-07A	3.5 to 4	VOCs
26	G1_COMP-07S_0-5	Composite	SB-7A, SB-7B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
27	G1_SB-07A_9-9.5	Grab	SB-07A	9 to 9.5	VOCs
28	G1_COMP-07D_5-10	Composite	SB-7A, SB-7B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
29	G1_SB-08A_4.5-5	Grab	SB-08A	4.5 to 5	VOCs
30	G1_COMP-08S_0-5	Composite	SB-8A, SB-8B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
31	G1_SB-08A_9-9.5	Grab	SB-08A	9 to 9.5	VOCs
32	G1_COMP-08D_5-10	Composite	SB-8A, SB-8B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
33	G1_SB-09A_3.5-4	Grab	SB-09A	3.5 to 4	VOCs
34	G1_COMP-09S_0-5	Composite	SB-9A, SB-9B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
35	G1_SB-09A_9.5-10	Grab	SB-09A	9.5 to 10	VOCs
36	G1_COMP-09D_5-10	Composite	SB-9A, SB-9B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
37	G1_SB-10B_4-4.5	Grab	SB-10B	4 to 4.5	VOCs
38	G1_COMP-10S_0-5	Composite	SB-10A, SB-10B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
39	G1_SB-10B_9.5-10	Grab	SB-10B	9.5 to 10	VOCs
40	G1_COMP-10D_5-10	Composite	SB-10A, SB-10B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)

Notes:

1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 1B
QA/QC Samples Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	QA/QC Type	Sample Name	Sample Type	Parent Sample ID	Sampling Location	Sampling Frequency	Depth (ft bgs)	Analysis
1	Duplicate	G1_DUP_091313_4-4.5	Grab	G1_SB-01B_4-4.5	Parcel G1	1 per Parcel	4 to 4.5	VOCs
2	Duplicate	G1_COMP-DUP_091313_S	Composite	G1_COMP-01S_0-5	Parcel G1	1 per Parcel	0 to 5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
3	Field Blank	FB01_091213	N/A	N/A	N/A	One per Field Sampling Day	N/A	VOCs, SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
4	Field Blank	FB01_091313	N/A	N/A	N/A	One per Field Sampling Day	N/A	VOCs, SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
5	Trip Blank	TB01_091213	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
6	Trip Blank	TB01_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
7	Trip Blank	TB02_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
7	Trip Blank	TB03_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
8	Trip Blank	TB04_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
9	Trip Blank	TB05_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs

Notes:
1. Grab soil sample for VOC analysis was collected using EnCore sampling device.
2. Composite sample was obtained from homogenizing at a minimum of five grab samples.
3. Grab sample was collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 2A
Soil Sample Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
1	CSO_SB-01A_0-0.5	Grab	SB-1A	0 to 0.5	VOCs
2	CSO_COMP-01_0-10	Composite	SB-1A, SB-1B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
3	CSO_SB-02B_5-5.5	Grab	SB-2B	5 to 5.5	VOCs
4	CSO_COMP-02_0-10	Composite	SB-2A, SB-2B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
5	CSO_SB-03A_8.5-9	Grab	SB-3A	8.5 to 9	VOCs
6	CSO_COMP-03_0-10	Composite	SB-3A, SB-3B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
7	CSO_SB-04B_6.5-7.0	Grab	SB-4B	6.5 to 7	VOCs
8	CSO_COMP-04_0-10	Composite	SB-4A, SB-4B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
9	CSO_SB-05A_7.5-8.0	Grab	SB-5A	7.5 to 8	VOCs
10	CSO_COMP-05_0-10	Composite	SB-5A, SB-5B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
11	CSO_SB-06A_3.5-4	Grab	SB-6A	3.5 to 4	VOCs
12	CSO_COMP-06_0-10	Composite	SB-6A, SB-6B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)

Notes:

1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 2B
QA/QC Samples Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	QA/QC Type	Sample Name	Sample Type	Parent Sample ID	Sampling Location	Sampling Frequency	Depth (ft bgs)	Analysis
1	Trip Blank	TB01_091413	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
2	Trip Blank	TB02_091413	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
3	Trip Blank	TB03_091413	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs

Table 3
Groundwater Sample Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Analysis
1	GB12OW_091913	Grab	GB12(OW)	NYCDEP Sanitary/Combined Sewer Parameters
				pH - SM4500 H+-B
				Oil & Grease - EPA 1664
				Total Suspended Solids - SM2540D
				Settleable Solids - SM2540F
				VOCs - EPA 624
				Nitrate/Nitrite - SM4500NO3-F
				13 Priority Pollutant Metals - EPA 200.7, 200.8, 245.1

Notes:
1. Groundwater sample was collected using EPA low-flow methods.
2. Groundwater sample was collected from GB12(OW), one of Langan's geotechnical obervational wells.

Table 4A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_SB-01A			G1_SB-01B			G1_SB-01B			G1_SB-02A			G1_SB-02A			G1_SB-03B			G1_SB-03B			G1_SB-04A			G1_SB-04A			G1_SB-05B			G1_SB-05B		
Client Sample ID			G1_SB-01A_9-9.5			G1_SB-01B_4-4.5			G1_DUP_091313_4-4.5			G1_SB-02A_2.5-3			G1_SB-02A_8-8.5			G1_SB-03B_4-4.5			G1_SB-03B_9-9.5			G1_SB-04A_2-2.5			G1_SB-04A_9-9.5			G1_SB-05B_3-3.5			G1_SB-05B_8-8.5		
Lab Sample ID			L1318158-10			L1318158-09			L1318158-13			L1318159-02			L1318159-03			L1318009-07			L1318009-08			L1318009-05			L1318009-03			L1318158-02			L1318158-01		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			9 to 9.5			4 to 4.5			4 to 4.5			2.5 to 3			8 to 8.5			4 to 4.5			9 to 9.5			2 to 2.5			9 to 9.5			3 to 3.5			8 to 8.5		
Volatile Organic Compounds (mg/kg)																																			
1,2,4,5-Tetramethylbenzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.049	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
1,2,4-Trimethylbenzene	3.6	52	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.059	J	1	0.0061	U	1	0.24	J	1	0.0066	U	1
1,2-Dichloroethane	0.02	3.1	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	**1.1**		1	0.0015	U	1	*0.08*	U	1	0.0012	U	1	*0.092*	U	1	0.0013	U	1
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.035	J	1	0.0075	U	1	0.067	J	1	0.0061	U	1	0.16	J	1	0.0066	U	1
1,4-Diethyl Benzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.023	J	1	0.006	U	1	0.077	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
4-Ethyltoluene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.037	J	1	0.0049	U	1	0.14	J	1	0.0053	U	1
Acetone	0.05	100	0.012	J	1	0.01	U	1	0.01	U	1	0.012	U	1	0.018		1	**0.26**	J	1	0.0065	J	1	*0.8*	U	1	0.0056	J	1	*0.92*	U	1	0.0078	J	1
Benzene	0.06	4.8	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.017	J	1	0.0015	U	1	0.021	J	1	0.0012	U	1	**0.21**		1	0.0013	U	1
Bromomethane	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.063	J	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Carbon Disulfide	~	~	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	0.81	U	1	0.015	U	1	0.8	U	1	0.012	U	1	0.92	U	1	0.013	U	1
Chloromethane	~	~	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.4	U	1	0.0061	U	1	0.46	U	1	0.0066	U	1
Cyclohexane	~	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	0.093	J	1	0.03	U	1	1.6	U	1	0.024	U	1	0.35	J	1	0.026	U	1
Cymene	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.023	J	1	0.0013	U	1
Ethylbenzene	1	41	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.015	J	1	0.0012	U	1	0.09	J	1	0.0013	U	1
Isopropylbenzene (Cumene)	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.018	J	1	0.0012	U	1	0.027	J	1	0.0013	U	1
Methyl Acetate	~	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	1.6	U	1	0.03	U	1	1.6	U	1	0.024	U	1	0.3	J	1	0.026	U	1
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.0044	J	1	*0.81*	U	1	0.015	U	1	*0.8*	U	1	0.012	U	1	*0.92*	U	1	0.013	U	1
Methylcyclohexane	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32		1	0.006	U	1	0.13	J	1	0.0049	U	1	1.2		1	0.0053	U	1
Methylene Chloride	0.05	100	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	*0.81*	U	1	0.015	U	1	**0.21**	J	1	0.012	U	1	*0.92*	U	1	0.013	U	1
M-P-Xylene	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.051	J	1	0.003	U	1	0.066	J	1	0.0024	U	1	0.41		1	0.0026	U	1
Naphthalene	12	100	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0058	J	1	0.065	J	1	0.0075	U	1	0.78		1	0.0061	U	1	0.33	J	1	0.0066	U	1
N-Propylbenzene	3.9	100	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.032	J	1	0.0013	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18		1	0.0026	U	1
Styrene	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Toluene	0.7	100	0.0025	U	1	0.0016	U	1	0.0015	U	1	0.0018	U	1	0.0022	U	1	0.067	J	1	0.0022	U	1	0.047	J	1	0.0018	U	1	0.43		1	0.002	U	1
Trichloroethylene (TCE)	0.47	21	0.0016		1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.022	J	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.092	U	1	0.0013	U	1
Xylene (Total)	0.26	100	ND			ND			ND			ND			ND			0.051	J		ND			0.066	J		ND			**0.59**			ND		

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are highlighted and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sample Date Sample Depth (feet bgs)	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_SB-06A G1_SB-06A_3-3.5 L1318158-05 09/13/2013 3 to 3.5			G1_SB-06A G1_SB-06A_7-7.5 L1318158-06 09/13/2013 7 to 7.5			G1_SB-07A G1_SB-07A_3.5-4 L1318164-01 09/13/2013 3.5 to 4			G1_SB-07A G1_SB-07A_9-9.5 L1318164-02 09/13/2013 9 to 9.5			G1_SB-08A G1_SB-08A_4.5-5 L1318164-08 09/13/2013 4.5 to 5			G1_SB-08A G1_SB-08A_9-9.5 L1318164-07 09/13/2013 9 to 9.5			G1_SB-09A G1_SB-09A_3.5-4 L1318162-04 09/13/2013 3.5 to 4			G1_SB-09A G1_SB-09A_9.5-10 L1318162-03 09/13/2013 9.5 to 10			G1_SB-10B G1_SB-10B_4-4.5 L1318161-01 09/13/2013 4 to 4.5			G1_SB-10B G1_SB-10B_9.5-10 L1318161-02 09/13/2013 9.5 to 10		
Volatile Organic Compounds (mg/kg)																																				
1,2,4,5-Tetramethylbenzene	~	~	0.0035	J	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
1,2,4-Trimethylbenzene	3.6	52	0.017		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,2-Dichloroethane	0.02	3.1	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0082		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,4-Diethyl Benzene	~	~	0.011		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
4-Ethyltoluene	~	~	0.0072		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Acetone	0.05	100	0.032		1	*28*	U	25	0.0095	U	1	0.033		1	0.0088	U	1	0.049		1	0.013	U	1	0.015	U	1	0.0082	J	1	0.0063	J	1
Benzene	0.06	4.8	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Bromomethane	~	~	0.0032	U	1	5.6	U	25	0.0019	U	1	0.00063	J	1	0.00039	J	1	0.00066	J	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Carbon Disulfide	~	~	0.016	U	1	28	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.011	J	1	0.0092	U	1
Chloromethane	~	~	0.0081	U	1	14	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.011		1	0.0046	U	1
Cyclohexane	~	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Cymene	~	~	0.028		1	73		25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.01		1	0.00092	U	1
Ethylbenzene	1	41	0.0011	J	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Isopropylbenzene (Cumene)	~	~	0.00059	J	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Methyl Acetate	~	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.016	U	1	*28*	U	25	0.0095	U	1	0.0053	J	1	0.0088	U	1	0.0067	J	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
Methylcyclohexane	~	~	0.0065	U	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Methylene Chloride	0.05	100	0.016	U	1	*28*	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
M-P-Xylene	~	~	0.0042		1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Naphthalene	12	100	**100**		5	14	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0013	J	1	0.018		1	0.0046	U	1
N-Propylbenzene	3.9	100	0.0016	U	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0034		1	*5.6*	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Styrene	~	~	0.0013	J	1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Toluene	0.7	100	0.00065	J	1	**0.77**	J	25	0.0014	U	1	0.0018	U	1	0.0013	U	1	0.0018	U	1	0.00028	J	1	0.0023	U	1	0.0021	U	1	0.0014	U	1
Trichloroethylene (TCE)	0.47	21	0.0016	U	1	*2.8*	U	25	0.0014		1	0.0012	U	1	0.00038	J	1	0.0012	U	1	0.024		1	0.0004	J	1	0.0014	U	1	0.00092	U	1
Xylene (Total)	0.26	100	0.0176			ND			ND			ND			ND			ND			ND			ND			ND			ND		

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
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4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_COMP-01S			G1_COMP-01S			G1_COMP-01D			G1_COMP-02S			G1_COMP-02D			G1_COMP-03S			G1_COMP-03D			G1_COMP-04S			G1_COMP-04D			G1_COMP-05S			G1_COMP-05D		
Client Sample ID			G1_COMP-01S_0-5			G1_COMP-DUP_091313_S			G1_COMP-01D_5-10			G1_COMP-02S_0-5			G1_COMP-02D_5-10			G1_COMP-03S_0-5			G1_COMP-03D_5-10			G1_COMP-04S_0-5			G1_COMP-04D_5-10			G1_COMP-05S_0-5			G1_COMP-05D_5-10		
Lab Sample ID			L1318158-12			L1318158-14			L1318158-11			L1318159-04			L1318159-05			L1318009-10			L1318009-09			L1318009-06			L1318009-04			L1318158-04			L1318158-03		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			0 to 5			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	0.16	J	1	0.12	J	2	0.32		1	0.13	J	2	0.32		1	0.37	J	4	0.27	J	2	0.41		1	0.25	J	4	0.27		1	0.27		1
3-Methylphenol	0.33	100	0.26	U	1	*0.51*	U	2	0.3	U	1	*0.52*	U	2	0.29	U	1	*1.1*	U	4	*0.58*	U	2	0.28	U	1	*1.1*	U	4	0.28	U	1	0.29	U	1
Acenaphthene	20	100	0.3		1	0.29		2	0.5		1	0.63		2	0.64		1	1		4	0.7		2	0.55		1	1.5		4	0.74		1	0.88		1
Acenaphthylene	100	100	0.24		1	0.43		2	0.18		1	0.26	J	2	0.16		1	0.14	J	4	0.15	J	2	0.11	J	1	0.28	J	4	0.19		1	0.21		1
Anthracene	100	100	0.94		1	1		2	1.7		1	1.9		2	1.4		1	2.6		4	2		2	1.8		1	4.2		4	1.9		1	2.1		1
Benzaldehyde	~	~	0.24	U	1	0.47	U	2	0.12	J	1	0.48	U	2	0.2	J	1	0.99	U	4	0.53	U	2	0.26	U	1	1	U	4	0.13	J	1	0.11	J	1
Benzo(a)anthracene	1	1	**2.1**		1	**2.1**		2	**4.7**		1	**4.4**		2	**2.8**		1	**4.9**		4	**3.1**		2	**3.1**		1	**8.5**		4	**4.8**		1	**3.7**		1
Benzo(a)pyrene	1	1	**1.9**		1	**1.9**		2	**5.2**		1	**3.5**		2	**2.9**		1	**4.1**		4	**2.7**		2	**2.7**		1	**8.1**		4	**5**		1	**3.8**		1
Benzo(b)fluoranthene	1	1	**2.1**		1	**2.2**		2	**6.5**		1	**4.6**		2	**3.5**		1	**5**		4	**3.4**		2	**3.4**		1	**9.5**		4	**7.1**		1	**4.8**		1
Benzo(g,h,i)perylene	100	100	1.2		1	1.6		2	3.9		1	2.3		2	1.9		1	2.2		4	1.6		2	1.5		1	4.9		4	3.4		1	2.4		1
Benzo(k)fluoranthene	0.8	3.9	**0.97**		1	**0.86**		2	**2.3**		1	**1.7**		2	**1.4**		1	**2**		4	**1.3**		2	**1.2**		1	**3.1**		4	**2.2**		1	**1.8**		1
Biphenyl (Diphenyl)	~	~	0.41	U	1	0.81	U	2	0.13	J	1	0.82	U	2	0.12	J	1	1.7	U	4	0.92	U	2	0.12	J	1	1.8	U	4	0.082	J	1	0.099	J	1
Bis(2-Ethylhexyl) Phthalate	~	~	0.18	U	1	0.35	U	2	0.21	U	1	0.36	U	2	0.2	U	1	0.4	J	4	0.4	U	2	0.33		1	0.78	U	4	0.2	U	1	0.2	U	1
Carbazole	~	~	0.33		1	0.33	J	2	0.58		1	0.7		2	0.65		1	0.76		4	0.48		2	0.54		1	1.2		4	0.78		1	0.8		1
Chrysene	1	3.9	**2.2**		1	**2**		2	**4.8**		1	**4.2**		2	**3.2**		1	**4.7**		4	**3.3**		2	**2.9**		1	**9.6**		4	**4.8**		1	**3.6**		1
Dibenz(a,h)anthracene	0.33	0.33	**0.34**		1	**0.36**		2	**0.96**		1	**0.72**		2	**0.6**		1	**0.66**		4	**0.44**		2	**0.44**		1	**1.2**		4	**1.2**		1	**0.7**		1
Dibenzofuran	7	59	0.26		1	0.22	J	2	0.67		1	0.38		2	0.59		1	0.73	J	4	0.63		2	0.65		1	0.84		4	0.57		1	0.61		1
Di-n-butylphthalate	~	~	0.18	U	1	0.35	U	2	0.21	U	1	0.12	J	2	0.2	U	1	0.75	U	4	0.4	U	2	0.05	J	1	0.78	U	4	0.2	U	1	0.2	U	1
Fluoranthene	100	100	4.2		1	4		2	12		2	8.8		2	6.5		1	10		4	7.7		2	6.3		1	20		4	5.5		1	6.7		1
Fluorene	30	100	0.37		1	0.33	J	2	0.83		1	0.61		2	0.84		1	1.1		4	0.88		2	0.78		1	1.8		4	0.93		1	0.98		1
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**1.3**		1	**1.7**		2	**4.3**		1	**2.6**		2	**2.1**		1	**2.6**		4	**1.8**		2	**1.8**		1	**5.2**		4	**3.7**		1	**2.7**		1
Naphthalene	12	100	0.21		1	0.19	J	2	1.1		1	0.17	J	2	0.73		1	0.81		4	0.36	J	2	0.81		1	0.4	J	4	0.4		1	0.38		1
Phenanthrene	100	100	3.8		1	3.3		2	7		1	7.6		2	5.5		1	9.8		4	7.9		2	6		1	17		4	5.3		1	6.6		1
Phenol	0.33	100	0.18	U	1	*0.35*	U	2	0.21	U	1	*0.36*	U	2	0.2	U	1	*0.75*	U	4	*0.4*	U	2	0.2	U	1	*0.78*	U	4	0.2	U	1	0.2	U	1
Pyrene	100	100	3.8		1	3.7		2	8.2		1	7.4		2	5.3		1	8.4		4	6.5		2	5		1	20		4	6.3		1	6.6		1
Total SVOCs	~	~	26.72	J	1	26.63	J	2	65.99	J		52.72	J	2	41.35	J	1	62.27	J	4	45.21	J	2	40.49	J	1	117.57	J	4	55.292	J	1	49.839	J	1
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0336	J	1	0.0237	J	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.00971	J	1	0.0123	J	1	0.0379	U	1	0.0401	U	1
Aroclor 1254	~	~	0.0349	U	1	0.0343	U	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.0388	U	1	0.0383	U	1	0.0379	U	1	0.0401	U	1
Total PCBs	0.1	1	0.0336	J	1	0.0237	J	1	ND		1	ND		1	ND		1	ND		1	ND		1	0.00971	J	1	0.0123	J	1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	0.0033	7.9	*0.032*	U	10	*0.0317*	U	10	*0.0364*	U	10	**0.0318**	J	10	*0.0366*	U	10	*0.033*	U	10	*0.0176*	U	5	*0.017*	U	5	*0.0342*	U	10	*0.0347*	U	10	*0.0351*	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	6000		2	6300		2	4800		2	7900		2	3700		2	6900		2	5600		2	7400		2	6600		2	7500		2	5900		2
Antimony	~	~	4.1	U	2	4.2	U	2	4.8	U	2	4.2	U	2	4.8	U	2	3.4	J	2	2.8	J	2	5.8		2	2	J	2	4.7	U	2	4.7	U	2
Arsenic	13	16	7.1		2	9.1		2	**54**		2	7.2		2	**46**		2	9.4		2	**34**		2	**17**		2	**14**		2	10		2	12		2
Barium	350	400	280		2	270		2	89		2	**390**		2	170		2	180		2	87		2	210		2	100		2	250		2	160		2
Beryllium	7.2	72	3.2		2	2.2		2	0.38	J	2	3.7		2	0.32	J	2	**7.8**		2	0.45	J	2	0.69		2	0.38	J	2	**10**		2	0.7		2
Cadmium	2.5	4.3	1.4		2	1.3		2	1.2		2	1.1		2	0.8	J	2	1.2		2	2.2		2	1		2	0.92		2	2.1		2	1.1		2
Calcium	~	~	54000		2	33000		2	7200		2	83000		2	7700		2	110000		10	20000		2	34000		2	14000		2	11000		2	13000		2
Chromium Trivalent	30	180	**53**		1	**37**		1	12		1	**43**		1	12		1	**57**		1	15		1	**31**		1	18		1	**74**		1	16		1
Chromium Hexavalent	1	110	0.88	U	1	0.87	U	1	1	U	1	0.88	U	1	0.99	U	1	0.68	J	1	0.39	J	1	0.71	J	1	0.65	J	1	0.96	U	1	0.97	U	1
Chromium, Total	~	~	53		2	37		2	12		2	43		2	12		2	57		2	15		2	31		2	18		2	74		2	16		2
Cobalt	~	~	45		2	29		2	8.7		2	25		2	3.6		2	25		2	15		2	59		2	7.6		2	34		2	13		2
Copper	50	270	**810**		2	**570**		2	**100**		2	**480**		2	**130**		2	**500**		2	**170**		2	**300**		2	**86**		2	**620**		2	**170**		2
Iron	~	~	34000		2	31000		2	29000		2	25000		2	26000		2	25000		2	42000		2	24000		2	21000		2	31000		2	26000		2
Lead	63	400	**860**		2	**700**		2	**150**		2	**1600**		2	**160**		2	**410**		2	**330**		2	**640**		2	**220**		2	**950**		2	**550**		2
Magnesium	~	~	20000		2	7000		2	1100		2	27000		2	720		2	7000		2	2400		2	3700		2	5000		2	1700		2	4600		2
Manganese	1600	2000	430		2	330		2	130		2	300		2	90		2	850		2	240		2	230		2	280		2	380		2	230		2
Mercury	0.18	2.8	**1.6**		1	**1.1**		1	**0.33**		1	**0.49**		1	**0.46**		1	**0.34**		1	**1**		1	**0.21**		1	**0.46**		1	**0.85**		1	**0.72**		1
Nickel	30	310	**76**		2	**51**		2	16		2	**44**		2	8.8		2	**51**		2	23		2	22		2	16		2	**63**		2	26		2
Potassium	~	~	790		2	830		2	870		2	1000		2	610		2	810		2	630		2	790		2	770		2	830		2	720		2
Selenium	3.9	180	0.48	J	2	0.72	J	2	**4.8**		2	0.66	J	2	**4**		2	1.7	U	2	3.4		2	0.5	J	2	0.91	J	2	1.2	J	2	1.1	J	2
Silver	2	180	0.28	J	2	0.27	J	2	0.96	U	2	0.84	U	2	0.96	U	2	0.17	J	2	0.94	U	2	0.94	U	2	0.92	U	2	1.5		2	0.94	U	2
Sodium	~	~	760		2	600		2	1100		2	810		2	790		2	760		2	480		2	520		2	320		2	470		2	210		2
Vanadium	~	~	18		2	20		2	19		2	24		2	15		2	24		2	18		2	28		2	29		2	18		2	19		2
Zinc	109	10000	**4700**		20	**2700**		20	64		2	**2800**		10	74		2	**2500**		10	**240**		2	**1400**		2	**230**		2	**3700**		20	**600**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.19	J	1	0.42	J	1	2.2	J	1	0.13	J	1	0.71	J	1	1.6	J	1	1.9	J	1	1.4	J	1	1.8	J	1	4.7		1	0.61	J	1
Total Petroleum Hydrocarbons	~	~	317		2	528		2	152		1	403		2	492		5	1210		10	162		1	396		1	254		1	537		1	234		1
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1	U	1	1	U	1	1.2	U	1	1	U	1	1.2	U	1	1.1	U	1	1.2	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_COMP-06S			G1_COMP-06D			G1_COMP-07S			G1_COMP-07D			G1_COMP-08S			G1_COMP-08D			G1_COMP-09S			G1_COMP-09D			G1_COMP-10S			G1_COMP-10D		
Client Sample ID			G1_COMP-06S_0-5			G1_COMP-06D_5-10			G1_COMP-07S_0-5			G1_COMP-07D_5-10			G1_COMP-08S_0-5			G1_COMP-08D_5-10			G1_COMP-09S_0-5			G1_COMP-09D_5-10			G1_COMP-10S_0-5			G1_COMP-10D_5-10		
Lab Sample ID			L1318158-07			L1318158-08			L1318164-04			L1318164-03			L1318164-06			L1318164-05			L1318162-01			L1318162-02			L1318161-03			L1318161-04		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013		
Sample Depth (feet bgs)			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	2.8		1	0.4		1	0.18	J	2	0.24		1	3.6		10	0.091	J	1	0.7		2	1.1		2	1.2		1	11		10
3-Methylphenol	0.33	100	0.28	U	1	0.28	U	1	*0.52*	U	2	0.27	U	1	*2.6*	U	10	0.28	U	1	*0.52*	U	2	0.29	J	2	0.23	J	1	**0.87**	J	10
Acenaphthene	20	100	6.6		1	1.6		1	0.44		2	0.38		1	5.6		10	0.18		1	1.6		2	2.5		2	0.83		1	**22**		10
Acenaphthylene	100	100	0.71		1	0.23		1	0.13	J	2	0.17		1	1.4	U	10	0.16	U	1	0.46		2	1.8		2	0.15	J	1	4.3		10
Anthracene	100	100	6.5		1	4.1		1	1.4		2	1.2		1	9		10	0.4		1	3.8		2	5.8		2	1		1	44		10
Benzaldehyde	~	~	0.29		1	0.081	J	1	0.48	U	2	0.25	U	1	2.4	U	10	0.26	U	1	0.48	U	2	0.6	U	2	0.66		1	2.8	U	10
Benzo(a)anthracene	1	1	**3.8**		1	**7.5**		1	**3.5**		2	**3.1**		1	**13**		10	0.92		1	**6.3**		2	**9.8**		2	**1.4**		1	**80**		10
Benzo(a)pyrene	1	1	**2.1**		1	**6.8**		1	**2.8**		2	**3.3**		1	**12**		10	0.94		1	**6.8**		2	**10**		2	**1.3**		1	**82**		10
Benzo(b)fluoranthene	1	1	**3.3**		1	**6.4**		5	**3.4**		2	**4.2**		1	**15**		10	**1.1**		1	**7.4**		2	**12**		2	**1.6**		1	**88**		50
Benzo(g,h,i)perylene	100	100	1		1	4.1		1	1.6		2	2.4		1	7.7		10	0.57		1	4.3		2	6.3		2	0.88		1	57		10
Benzo(k)fluoranthene	0.8	3.9	**1.1**		1	**2.5**		1	**1.3**		2	**1.7**		1	**6.1**		10	0.39		1	**3.2**		2	**4**		2	0.78		1	**35**		10
Biphenyl (Diphenyl)	~	~	1		1	0.16	J	1	0.82	U	2	0.078	J	1	0.69	J	10	0.44	U	1	0.2	J	2	0.41	J	2	0.24	J	1	4	J	10
Bis(2-Ethylhexyl) Phthalate	~	~	0.09	J	1	0.19	U	1	0.15	J	2	0.053	J	1	1.8	U	10	0.074	J	1	0.36	U	2	0.46	U	2	0.22	U	1	2.2	U	10
Carbazole	~	~	3.2		1	1.4		1	0.42		2	0.4		1	3.4		10	0.14	J	1	1.3		2	2.1		2	0.53		1	28		10
Chrysene	1	3.9	**3.6**		1	**6.8**		1	**3.6**		2	**3.6**		1	**13**		10	0.94		1	**6.3**		2	**10**		2	**1.5**		1	**75**		10
Dibenz(a,h)anthracene	0.33	0.33	0.33		1	**1.3**		1	**0.43**		2	**0.59**		1	**2**		10	0.15		1	**1.3**		2	**1.5**		2	0.25		1	**20**		10
Dibenzofuran	7	59	4.4		1	1.2		1	0.39		2	0.4		1	3		10	0.15	J	1	0.86		2	2.1		2	0.62		1	**25**		10
Di-n-butylphthalate	~	~	0.19	U	1	0.19	U	1	0.36	U	2	0.19	U	1	1.8	U	10	0.2	U	1	0.36	U	2	0.46	U	2	0.044	J	1	2.2	U	10
Fluoranthene	100	100	13		5	15		5	6.3		2	6.7		1	28		10	1.9		1	11		2	25		4	3.6		1	**180**		50
Fluorene	30	100	6.1		1	1.9		1	0.47		2	0.5		1	5		10	0.18	J	1	1.6		2	2.7		2	0.72		1	28		10
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**1.2**		1	**4.5**		1	**1.8**		2	**2.6**		1	**8.9**		10	**0.63**		1	**4.2**		2	**6.9**		2	**0.93**		1	**66**		10
Naphthalene	12	100	11		5	0.69		1	0.27	J	2	0.41		1	6.6		10	0.11	J	1	1.5		2	2.8		2	8.3		1	**35**		10
Phenanthrene	100	100	24		5	15		5	6.3		2	5.6		1	29		10	1.8		1	9		2	17		2	3.5		1	**220**		50
Phenol	0.33	100	0.19	U	1	0.19	U	1	*0.36*	U	2	0.19	U	1	*1.8*	U	10	0.2	U	1	*0.36*	U	2	0.17	J	2	0.22	U	1	*2.2*	U	10
Pyrene	100	100	9.5		5	12		5	6		2	6		1	24		10	1.6		1	10		2	18		2	2.9		1	**140**		50
Total SVOCs	~	~	105.62	J		93.661	J		40.88	J	2	43.621	J	1	195.59	J	10	12.265	J	1	81.82	J	2	142.27	J		33.164	J	1	1245.17	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0383	U	1	0.0382	U	1	0.0213	J	1	0.0117	J	1	0.0336	J	1	0.0389	U	1	0.055		1	0.0436	U	1	0.0449	U	1	0.041	U	1
Aroclor 1254	~	~	0.0383	U	1	0.0382	U	1	0.0353	U	1	0.0249	J	1	0.0352	U	1	0.0389	U	1	0.0349	U	1	0.0436	U	1	0.0449	U	1	0.041	U	1
Total PCBs	0.1	1	ND		1	ND		1	0.0213	J	1	0.0366	J	1	0.0336	J	1	ND		1	0.055		1	ND		1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	0.0033	7.9	*0.0329*	U	10	*0.0332*	U	10	*0.0331*	U	10	**0.0115**	J	5	*0.0309*	U	10	*0.0174*	U	5	**0.021**	J	10	*0.0397*	U	10	**0.0211**	J	10	*0.0371*	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	5900		2	5100		2	6700		2	3500		2	8400		2	6500		2	6900		2	4200		2	6700		2	12000		2
Antimony	~	~	4.5	U	2	1.3	J	2	4.2	U	2	1.2	J	2	4.2	U	2	4.6	U	2	4.3	U	2	5.7		2	5.3	U	2	5	U	2
Arsenic	13	16	11		2	11		2	6.3		2	**18**		2	13		2	**30**		2	9.6		2	12		2	**16**		2	13		2
Barium	350	400	140		2	120		2	200		2	120		2	340		2	110		2	160		2	**420**		2	150		2	180		2
Beryllium	7.2	72	2.1		2	0.39	J	2	4.2		2	0.21	J	2	4		2	1		2	4.9		2	0.44	J	2	0.52	J	2	1		2
Cadmium	2.5	4.3	0.83	J	2	0.77	J	2	1.5		2	0.66	J	2	1.4		2	1.6		2	1.2		2	1.8		2	0.69	J	2	1.2		2
Calcium	~	~	44000		2	11000		2	34000		2	18000		2	48000		2	13000		2	52000		2	9200		2	14000		2	14000		2
Chromium Trivalent	30	180	22		1	12		1	**54**		1	8.4		1	**54**		1	13		1	**39**		1	15		1	26		1	29		1
Chromium Hexavalent	1	110	0.23	J	1	0.94	U	1	0.89	U	1	0.92	U	1	0.88	U	1	0.94	U	1	0.89	U	1	*1.1*	U	1	*1.1*	U	1	1	U	1
Chromium, Total	~	~	22		2	12		2	54		2	8.4		2	54		2	13		2	39		2	15		2	26		2	29		2
Cobalt	~	~	16		2	7.6		2	56		2	5		2	29		2	10		2	37		2	7.1		2	4.9		2	20		2
Copper	50	270	**230**		2	**100**		2	**920**		2	**150**		2	**440**		2	**310**		2	**680**		2	**2900**		2	**66**		2	**180**		2
Iron	~	~	18000		2	15000		2	33000		2	14000		2	26000		2	28000		2	27000		2	26000		2	20000		2	20000		2
Lead	63	400	**320**		2	**310**		2	**810**		2	**330**		2	**680**		2	**380**		2	**460**		2	**370**		2	**210**		2	**370**		2
Magnesium	~	~	14000		2	2300		2	11000		2	1400		2	14000		2	1200		2	18000		2	1500		2	2700		2	3000		2
Manganese	1600	2000	210		2	270		2	440		2	180		2	280		2	120		2	310		2	230		2	140		2	800		2
Mercury	0.18	2.8	**0.2**		1	**0.45**		1	**1.4**		1	**1.2**		1	**0.22**		1	**1.5**		1	0.12		1	**0.64**		1	**0.47**		1	**0.91**		1
Nickel	30	310	29		2	15		2	**92**		2	13		2	**51**		2	17		2	**69**		2	16		2	14		2	29		2
Potassium	~	~	760		2	780		2	820		2	570		2	1300		2	860		2	910		2	920		2	930		2	1700		2
Selenium	3.9	180	1.8		2	1.1	J	2	0.49	J	2	2.6		2	0.69	J	2	2.4		2	0.8	J	2	1.3	J	2	1.7	J	2	0.8	J	2
Silver	2	180	0.9	U	2	0.92	U	2	0.32	J	2	0.88	U	2	0.85	U	2	0.21	J	2	0.2	J	2	0.25	J	2	1.1	U	2	0.99	U	2
Sodium	~	~	240		2	160	J	2	710		2	440		2	560		2	550		2	710		2	460		2	420		2	460		2
Vanadium	~	~	19		2	18		2	19		2	13		2	24		2	21		2	18		2	17		2	46		2	26		2
Zinc	109	10000	**1200**		2	**400**		2	**5400**		10	**130**		2	**2500**		10	**220**		2	**3800**		10	**690**		2	**110**		2	**240**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	4.9		1	20		1	1.6	J	1	0.2	J	1	1.6	J	1	1.8	J	1	1.5	J	1	2	J	1	30		1	0.7	J	1
Total Petroleum Hydrocarbons	~	~	548		2	320		1	264		1	322		1	402		1	148		1	1020		2	789		2	414		1	2430		10
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1	U	1	1.1	U	1	1	U	1	1.4	U	1	1.3	U	1	1.3	U	1

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location			G1_SB-01A			G1_SB-01B			G1_SB-02A			G1_SB-02A			G1_SB-03B			G1_SB-03B			G1_SB-04A			G1_SB-04A			G1_SB-05B			G1_SB-05B		
Client Sample ID			G1_SB-01A_9-9.5			G1_SB-01B_4-4.5		G1_DUP_091313_4-4.5	G1_SB-02A_2.5-3			G1_SB-02A_8-8.5			G1_SB-03B_4-4.5			G1_SB-03B_9-9.5			G1_SB-04A_2-2.5			G1_SB-04A_9-9.5			G1_SB-05B_3-3.5			G1_SB-05B_8-8.5		
Lab Sample ID	**NJ RDCSRS**	**NJ NRDCSRS**	L1318158-10			L1318158-09		L1318158-13	L1318159-02			L1318159-03			L1318009-07			L1318009-08			L1318009-05			L1318009-03			L1318158-02			L1318158-01		
Sample Date			09/13/2013			09/13/2013		09/13/2013	09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			9 to 9.5			4 to 4.5		4 to 4.5	2.5 to 3			8 to 8.5			4 to 4.5			9 to 9.5			2 to 2.5			9 to 9.5			3 to 3.5			8 to 8.5		
Volatile Organic Compounds (mg/kg)																																
1,2,4,5-Tetramethylbenzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.049	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
1,2,4-Trimethylbenzene	~	~	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.059	J	1	0.0061	U	1	0.24	J	1	0.0066	U	1
1,2-Dichloroethane	0.9	3	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	**1.1**		1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.092	U	1	0.0013	U	1
1,3,5-Trimethylbenzene (Mesitylene)	~	~	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.035	J	1	0.0075	U	1	0.067	J	1	0.0061	U	1	0.16	J	1	0.0066	U	1
1,4-Diethyl Benzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.023	J	1	0.006	U	1	0.077	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
4-Ethyltoluene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.037	J	1	0.0049	U	1	0.14	J	1	0.0053	U	1
Acetone	70,000	~	0.012	J	1	0.01	U	1	0.01	U	1	0.012	U	1	0.018		1	0.26	J	1	0.0065	J	1	0.8	U	1	0.0056	J	1	0.92	U	1	0.0078	J	1
Benzene	2	51	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.017	J	1	0.0015	U	1	0.021	J	1	0.0012	U	1	0.21		1	0.0013	U	1
Bromomethane	25	59	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.063	J	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Carbon Disulfide	7,800	110,000	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	0.81	U	1	0.015	U	1	0.8	U	1	0.012	U	1	0.92	U	1	0.013	U	1
Chloromethane	4	12	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.4	U	1	0.0061	U	1	0.46	U	1	0.0066	U	1
Cyclohexane	~	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	0.093	J	1	0.03	U	1	1.6	U	1	0.024	U	1	0.35	J	1	0.026	U	1
Cymene	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.023	J	1	0.0013	U	1
Ethylbenzene	7,800	110,000	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.015	J	1	0.0012	U	1	0.09	J	1	0.0013	U	1
Isopropylbenzene (Cumene)	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.018	J	1	0.0012	U	1	0.027	J	1	0.0013	U	1
Methyl Acetate	78,000	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	1.6	U	1	0.03	U	1	1.6	U	1	0.024	U	1	0.3	J	1	0.026	U	1
Methyl Ethyl Ketone (2-Butanone)	3,100	44,000	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.0044	J	1	0.81	U	1	0.015	U	1	0.8	U	1	0.012	U	1	0.92	U	1	0.013	U	1
Methylcyclohexane	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32		1	0.006	U	1	0.13	J	1	0.0049	U	1	1.2		1	0.0053	U	1
Methylene Chloride	34	97	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	0.81	U	1	0.015	U	1	0.21	J	1	0.012	U	1	0.92	U	1	0.013	U	1
M-P-Xylene	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.051	J	1	0.003	U	1	0.066	J	1	0.0024	U	1	0.41		1	0.0026	U	1
Naphthalene	6	17	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0058	J	1	0.065	J	1	0.0075	U	1	0.78		1	0.0061	U	1	0.33	J	1	0.0066	U	1
N-Propylbenzene	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.032	J	1	0.0013	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18		1	0.0026	U	1
Styrene	90	260	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Toluene	6,300	91,000	0.0025	U	1	0.0016	U	1	0.0015	U	1	0.0018	U	1	0.0022	U	1	0.067	J	1	0.0022	U	1	0.047	J	1	0.0018	U	1	0.43		1	0.002	U	1
Trichloroethylene (TCE)	7	20	0.0016		1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.022	J	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.092	U	1	0.0013	U	1
Xylene (Total)	12,000	170,000	ND			ND			ND			ND			0.051	J		ND			0.066	J		ND			0.59			ND		

Notes:
1. Grab soil sample analytical results are compared to the N .J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are highlighted and bolded.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sample Date Sample Depth (feet bgs)	NJ RDCSRS	NJ NRDCSRS	G1_SB-06A G1_SB-06A_3-3.5 L1318158-05 09/13/2013 3 to 3.5			G1_SB-06A G1_SB-06A_7-7.5 L1318158-06 09/13/2013 7 to 7.5			G1_SB-07A G1_SB-07A_3.5-4 L1318164-01 09/13/2013 3.5 to 4			G1_SB-07A G1_SB-07A_9-9.5 L1318164-02 09/13/2013 9 to 9.5			G1_SB-08A G1_SB-08A_4.5-5 L1318164-08 09/13/2013 4.5 to 5			G1_SB-08A G1_SB-08A_9-9.5 L1318164-07 09/13/2013 9 to 9.5			G1_SB-09A G1_SB-09A_3.5-4 L1318162-04 09/13/2013 3.5 to 4			G1_SB-09A G1_SB-09A_9.5-10 L1318162-03 09/13/2013 9.5 to 10			G1_SB-10B G1_SB-10B_4-4.5 L1318161-01 09/13/2013 4 to 4.5			G1_SB-10B G1_SB-10B_9.5-10 L1318161-02 09/13/2013 9.5 to 10		
Volatile Organic Compounds (mg/kg)																																	
1,2,4,5-Tetramethylbenzene	~	~	0.0035	J	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
1,2,4-Trimethylbenzene	~	~	0.017		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,2-Dichloroethane	0.9	3	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
1,3,5-Trimethylbenzene (Mesitylene)	~	~	0.0082		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,4-Diethyl Benzene	~	~	0.011		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
4-Ethyltoluene	~	~	0.0072		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Acetone	70,000	~	0.032		1	*28*	U	25	0.0095	U	1	0.033		1	0.0088	U	1	0.049		1	0.013	U	1	0.015	U	1	0.0082	J	1	0.0063	J	1
Benzene	2	51	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Bromomethane	25	59	0.0032	U	1	5.6	U	25	0.0019	U	1	0.00063	J	1	0.00039	J	1	0.00066	J	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Carbon Disulfide	7,800	110,000	0.016	U	1	28	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.011	J	1	0.0092	U	1
Chloromethane	4	12	0.0081	U	1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.011		1	0.0046	U	1
Cyclohexane	~	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Cymene	~	~	0.028		1	73		25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.01		1	0.00092	U	1
Ethylbenzene	7,800	110,000	0.0011	J	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Isopropylbenzene (Cumene)	~	~	0.00059	J	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Methyl Acetate	78,000	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Methyl Ethyl Ketone (2-Butanone)	3,100	44,000	0.016	U	1	*28*	U	25	0.0095	U	1	0.0053	J	1	0.0088	U	1	0.0067	J	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
Methylcyclohexane	~	~	0.0065	U	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Methylene Chloride	34	97	0.016	U	1	*28*	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
M-P-Xylene	~	~	0.0042		1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Naphthalene	6	17	**100**		5	14	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0013	J	1	0.018		1	0.0046	U	1
N-Propylbenzene	~	~	0.0016	U	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0034		1	*5.6*	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Styrene	90	260	0.0013	J	1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Toluene	6,300	91,000	0.00065	J	1	0.77	J	25	0.0014	U	1	0.0018	U	1	0.0013	U	1	0.0018	U	1	0.00028	J	1	0.0023	U	1	0.0021	U	1	0.0014	U	1
Trichloroethylene (TCE)	7	20	0.0016	U	1	*2.8*	U	25	0.0014		1	0.0012	U	1	0.00038	J	1	0.0012	U	1	0.024		1	0.0004	J	1	0.0014	U	1	0.00092	U	1
Xylene (Total)	12,000	170,000	0.0176			ND			ND			ND			ND			ND			ND			ND			ND			ND		

Notes:
1. Grab soil sample analytical results are compared to the N .J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are highlighted and bolded.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location			G1_COMP-01S						G1_COMP-01D			G1_COMP-02S			G1_COMP-02D			G1_COMP-03S			G1_COMP-03D			G1_COMP-04S			G1_COMP-04D			G1_COMP-05S			G1_COMP-05D		
Client Sample ID	NJ RDCSRS	NJ NRDCSRS	G1_COMP-01S_0-5			G1_COMP-DUP_091313_S			G1_COMP-01D_5-10			G1_COMP-02S_0-5			G1_COMP-02D_5-10			G1_COMP-03S_0-5			G1_COMP-03D_5-10			G1_COMP-04S_0-5			G1_COMP-04D_5-10			G1_COMP-05S_0-5			G1_COMP-05D_5-10		
Lab Sample ID			L1318158-12			L1318158-14			L1318158-11			L1318159-04			L1318159-05			L1318009-10			L1318009-09			L1318009-06			L1318009-04			L1318158-04			L1318158-03		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			0 to 5			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	0.16	J	1	0.12	J	2	0.32		1	0.13	J	2	0.32		1	0.37	J	4	0.27	J	2	0.41		1	0.25	J	4	0.27		1	0.27		1
3-Methylphenol	~	~	0.26	U	1	0.51	U	2	0.3	U	1	0.52	U	2	0.29	U	1	1.1	U	4	0.58	U	2	0.28	U	1	1.1	U	4	0.28	U	1	0.29	U	1
Acenaphthene	3,400	37,000	0.3		1	0.29		2	0.5		1	0.63		2	0.64		1	1		4	0.7		2	0.55		1	1.5		4	0.74		1	0.88		1
Acenaphthylene	~	300,000	0.24		1	0.43		2	0.18		1	0.26	J	2	0.16		1	0.14	J	4	0.15	J	2	0.11	J	1	0.28	J	4	0.19		1	0.21		1
Anthracene	17,000	30,000	0.94		1	1		2	1.7		1	1.9		2	1.4		1	2.6		4	2		2	1.8		1	4.2		4	1.9		1	2.1		1
Benzaldehyde	6,100	68,000	0.24	U	1	0.47	U	2	0.12	J	1	0.48	U	2	0.2	J	1	0.99	U	4	0.53	U	2	0.26	U	1	1	U	4	0.13	J	1	0.11	J	1
Benzo(a)anthracene	0.6	2	**2.1**		1	**2.1**		2	**4.7**		1	**4.4**		2	**2.8**		1	**4.9**		4	**3.1**		2	**3.1**		1	**8.5**		4	**4.8**		1	**3.7**		1
Benzo(a)pyrene	0.2	0.2	**1.9**		1	**1.9**		2	**5.2**		1	**3.5**		2	**2.9**		1	**4.1**		4	**2.7**		2	**2.7**		1	**8.1**		4	**5**		1	**3.8**		1
Benzo(b)fluoranthene	0.6	2	**2.1**		1	**2.2**		2	**6.5**		1	**4.6**		2	**3.5**		1	**5**		4	**3.4**		2	**3.4**		1	**9.5**		4	**7.1**		1	**4.8**		1
Benzo(g,h,i)perylene	380,000	30,000	1.2		1	1.6		2	3.9		1	2.3		2	1.9		1	2.2		4	1.6		2	1.5		1	4.9		4	3.4		1	2.4		1
Benzo(k)fluoranthene	6	23	0.97		1	0.86		2	2.3		1	1.7		2	1.4		1	2		4	1.3		2	1.2		1	3.1		4	2.2		1	1.8		1
Biphenyl (Diphenyl)	3,100	34,000	0.41	U	1	0.81	U	2	0.13	J	1	0.82	U	2	0.12	J	1	1.7	U	4	0.92	U	2	0.12	J	1	1.8	U	4	0.082	J	1	0.099	J	1
Bis(2-Ethylhexyl) Phthalate	35	140	0.18	U	1	0.35	U	2	0.21	U	1	0.36	U	2	0.2	U	1	0.4	J	4	0.4	U	2	0.33		1	0.78	U	4	0.2	U	1	0.2	U	1
Carbazole	24	96	0.33		1	0.33	J	2	0.58		1	0.7		2	0.65		1	0.76		4	0.48		2	0.54		1	1.2		4	0.78		1	0.8		1
Chrysene	62	230	2.2		1	2		2	4.8		1	4.2		2	3.2		1	4.7		4	3.3		2	2.9		1	9.6		4	4.8		1	3.6		1
Dibenz(a,h)anthracene	0.2	0.2	**0.34**		1	**0.36**		2	**0.96**		1	**0.72**		2	**0.6**		1	**0.66**		4	**0.44**		2	**0.44**		1	**1.2**		4	**1.2**		1	**0.7**		1
Dibenzofuran	~	~	0.26		1	0.22	J	2	0.67		1	0.38		2	0.59		1	0.73	J	4	0.63		2	0.65		1	0.84		4	0.57		1	0.61		1
Di-n-butylphthalate	6,100	68,000	0.18	U	1	0.35	U	2	0.21	U	1	0.12	J	2	0.2	U	1	0.75	U	4	0.4	U	2	0.05	J	1	0.78	U	4	0.2	U	1	0.2	U	1
Fluoranthene	2,300	24,000	4.2		1	4		2	12		2	8.8		2	6.5		1	10		4	7.7		2	6.3		1	20		4	5.5		1	6.7		1
Fluorene	2,300	24,000	0.37		1	0.33	J	2	0.83		1	0.61		2	0.84		1	1.1		4	0.88		2	0.78		1	1.8		4	0.93		1	0.98		1
Indeno(1,2,3-c,d)pyrene	0.6	2	**1.3**		1	**1.7**		2	**4.3**		1	**2.6**		2	**2.1**		1	**2.6**		4	**1.8**		2	**1.8**		1	**5.2**		4	**3.7**		1	**2.7**		1
Naphthalene	6	17	0.21		1	0.19	J	2	1.1		1	0.17	J	2	0.73		1	0.81		4	0.36	J	2	0.81		1	0.4	J	4	0.4		1	0.38		1
Phenanthrene	~	300,000	3.8		1	3.3		2	7		1	7.6		2	5.5		1	9.8		4	7.9		2	6		1	17		4	5.3		1	6.6		1
Phenol	18,000	210,000	0.18	U	1	0.35	U	2	0.21	U	1	0.36	U	2	0.2	U	1	0.75	U	4	0.4	U	2	0.2	U	1	0.78	U	4	0.2	U	1	0.2	U	1
Pyrene	1,700	18,000	3.8		1	3.7		2	8.2		1	7.4		2	5.3		1	8.4		4	6.5		2	5		1	20		4	6.3		1	6.6		1
Total SVOCs	~	~	26.72	J	1	26.63	J	2	65.99	J		52.72	J	2	41.35	J	1	62.27	J	4	45.21	J	2	40.49	J	1	117.57	J	4	55.292	J	1	49.839	J	1
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0336	J	1	0.0237	J	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.00971	J	1	0.0123	J	1	0.0379	U	1	0.0401	U	1
Aroclor 1254	~	~	0.0349	U	1	0.0343	U	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.0388	U	1	0.0383	U	1	0.0379	U	1	0.0401	U	1
Total PCBs	0.2	1	0.0336	J	1	0.0237	J	1	ND		1	ND		1	ND		1	ND		1	ND		1	0.00971	J	1	0.0123	J	1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	2	8	0.032	U	10	0.0317	U	10	0.0364	U	10	0.0318	J	10	0.0366	U	10	0.033	U	10	0.0176	U	5	0.017	U	5	0.0342	U	10	0.0347	U	10	0.0351	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	6000		2	6300		2	4800		2	7900		2	3700		2	6900		2	5600		2	7400		2	6600		2	7500		2	5900		2
Antimony	31	450	4.1	U	2	4.2	U	2	4.8	U	2	4.2	U	2	4.8	U	2	3.4	J	2	2.8	J	2	5.8		2	2	J	2	4.7	U	2	4.7	U	2
Arsenic	19	19	7.1		2	9.1		2	**54**		2	7.2		2	**46**		2	9.4		2	**34**		2	17		2	14		2	10		2	12		2
Barium	16,000	59,000	280		2	270		2	89		2	390		2	170		2	180		2	87		2	210		2	100		2	250		2	160		2
Beryllium	16	140	3.2		2	2.2		2	0.38	J	2	3.7		2	0.32	J	2	7.8		2	0.45	J	2	0.69		2	0.38	J	2	10		2	0.7		2
Cadmium	78	78	1.4		2	1.3		2	1.2		2	1.1		2	0.8	J	2	1.2		2	2.2		2	1		2	0.92		2	2.1		2	1.1		2
Calcium	~	~	54000		2	33000		2	7200		2	83000		2	7700		2	110000		10	20000		2	34000		2	14000		2	11000		2	13000		2
Chromium Trivalent	~	~	53		1	37		1	12		1	43		1	12		1	57		1	15		1	31		1	18		1	74		1	16		1
Chromium Hexavalent	~	~	0.88	U	1	0.87	U	1	1	U	1	0.88	U	1	0.99	U	1	0.68	J	1	0.39	J	1	0.71	J	1	0.65	J	1	0.96	U	1	0.97	U	1
Chromium, Total	~	~	53		2	37		2	12		2	43		2	12		2	57		2	15		2	31		2	18		2	74		2	16		2
Cobalt	1,600	590	45		2	29		2	8.7		2	25		2	3.6		2	25		2	15		2	59		2	7.6		2	34		2	13		2
Copper	3,100	45,000	810		2	570		2	100		2	480		2	130		2	500		2	170		2	300		2	86		2	620		2	170		2
Iron	~	~	34000		2	31000		2	29000		2	25000		2	26000		2	25000		2	42000		2	24000		2	21000		2	31000		2	26000		2
Lead	400	800	**860**		2	**700**		2	150		2	**1600**		2	160		2	**410**		2	330		2	**640**		2	220		2	**950**		2	**550**		2
Magnesium	~	~	20000		2	7000		2	1100		2	27000		2	720		2	7000		2	2400		2	3700		2	5000		2	1700		2	4600		2
Manganese	11,000	5,900	430		2	330		2	130		2	300		2	90		2	850		2	240		2	230		2	280		2	380		2	230		2
Mercury	23	65	1.6		1	1.1		1	0.33		1	0.49		1	0.46		1	0.34		1	1		1	0.21		1	0.46		1	0.85		1	0.72		1
Nickel	1,600	23,000	76		2	51		2	16		2	44		2	8.8		2	51		2	23		2	22		2	16		2	63		2	26		2
Potassium	~	~	790		2	830		2	870		2	1000		2	610		2	810		2	630		2	790		2	770		2	830		2	720		2
Selenium	390	5,700	0.48	J	2	0.72	J	2	4.8		2	0.66	J	2	4		2	1.7	U	2	3.4		2	0.5	J	2	0.91	J	2	1.2	J	2	1.1	J	2
Silver	390	5,700	0.28	J	2	0.27	J	2	0.96	U	2	0.84	U	2	0.96	U	2	0.17	J	2	0.94	U	2	0.94	U	2	0.92	U	2	1.5		2	0.94	U	2
Sodium	~	~	760		2	600		2	1100		2	810		2	790		2	760		2	480		2	520		2	320		2	470		2	210		2
Vanadium	78	1,100	18		2	20		2	19		2	24		2	15		2	24		2	18		2	28		2	29		2	18		2	19		2
Zinc	23,000	110,000	4700		20	2700		20	64		2	2800		10	74		2	2500		10	240		2	1400		2	230		2	3700		20	600		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.19	J	1	0.42	J	1	2.2	J	1	0.13	J	1	0.71	J	1	1.6	J	1	1.9	J	1	1.4	J	1	1.8	J	1	4.7		1	0.61	J	1
Total Petroleum Hydrocarbons	~	~	317		2	528		2	152		1	403		2	492		5	1210		10	162		1	396		1	254		1	537		1	234		1
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1	U	1	1	U	1	1.2	U	1	1	U	1	1.2	U	1	1.1	U	1	1.2	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1

Notes:
1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NJ RDCSRS	NJ NRDCSRS	G1_COMP-06S			G1_COMP-06D			G1_COMP-07S			G1_COMP-07D			G1_COMP-08S			G1_COMP-08D			G1_COMP-09S			G1_COMP-09D			G1_COMP-10S			G1_COMP-10D		
Client Sample ID			G1_COMP-06S_0-5			G1_COMP-06D_5-10			G1_COMP-07S_0-5			G1_COMP-07D_5-10			G1_COMP-08S_0-5			G1_COMP-08D_5-10			G1_COMP-09S_0-5			G1_COMP-09D_5-10			G1_COMP-10S_0-5			G1_COMP-10D_5-10		
Lab Sample ID			L1318158-07			L1318158-08			L1318164-04			L1318164-03			L1318164-06			L1318164-05			L1318162-01			L1318162-02			L1318161-03			L1318161-04		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013		
Sample Depth (feet bgs)			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	2.8		1	0.4		1	0.18	J	2	0.24		1	3.6		10	0.091	J	1	0.7		2	1.1		2	1.2		1	11		10
3-Methylphenol	~	~	0.28	U	1	0.28	U	1	0.52	U	2	0.27	U	1	2.6	U	10	0.28	U	1	0.52	U	2	0.29	J	2	0.23	J	1	0.87	J	10
Acenaphthene	3,400	37,000	6.6		1	1.6		1	0.44		2	0.38		1	5.6		10	0.18		1	1.6		2	2.5		2	0.83		1	22		10
Acenaphthylene	~	300,000	0.71		1	0.23		1	0.13	J	2	0.17		1	1.4	U	10	0.16	U	1	0.46		2	1.8		2	0.15	J	1	4.3		10
Anthracene	17,000	30,000	6.5		1	4.1		1	1.4		2	1.2		1	9		10	0.4		1	3.8		2	5.8		2	1		1	44		10
Benzaldehyde	6,100	68,000	0.29		1	0.081	J	1	0.48	U	2	0.25	U	1	2.4	U	10	0.26	U	1	0.48	U	2	0.6	U	2	0.66		1	2.8	U	10
Benzo(a)anthracene	0.6	2	**3.8**		1	**7.5**		1	**3.5**		2	**3.1**		1	**13**		10	**0.92**		1	**6.3**		2	**9.8**		2	**1.4**		1	**80**		10
Benzo(a)pyrene	0.2	0.2	**2.1**		1	**6.8**		1	**2.8**		2	**3.3**		1	**12**		10	**0.94**		1	**6.8**		2	**10**		2	**1.3**		1	**82**		10
Benzo(b)fluoranthene	0.6	2	**3.3**		1	**6.4**		5	**3.4**		2	**4.2**		1	**15**		10	**1.1**		1	**7.4**		2	**12**		2	**1.6**		1	**88**		50
Benzo(g,h,i)perylene	380,000	30,000	1		1	4.1		1	1.6		2	2.4		1	7.7		10	0.57		1	4.3		2	6.3		2	0.88		1	57		10
Benzo(k)fluoranthene	6	23	1.1		1	2.5		1	1.3		2	1.7		1	**6.1**		10	0.39		1	3.2		2	4		2	0.78		1	**35**		10
Biphenyl (Diphenyl)	3,100	34,000	1		1	0.16	J	1	0.82	U	2	0.078	J	1	0.69	J	10	0.44	U	1	0.2	J	2	0.41	J	2	0.24	J	1	4	J	10
Bis(2-Ethylhexyl) Phthalate	35	140	0.09	J	1	0.19	U	1	0.15	J	2	0.053	J	1	1.8	U	10	0.074	J	1	0.36	U	2	0.46	U	2	0.22	U	1	2.2	U	10
Carbazole	24	96	3.2		1	1.4		1	0.42		2	0.4		1	3.4		10	0.14	J	1	1.3		2	2.1		2	0.53		1	**28**		10
Chrysene	62	230	3.6		1	6.8		1	3.6		2	3.6		1	13		10	0.94		1	6.3		2	10		2	1.5		1	**75**		10
Dibenz(a,h)anthracene	0.2	0.2	**0.33**		1	**1.3**		1	**0.43**		2	**0.59**		1	**2**		10	0.15		1	**1.3**		2	**1.5**		2	**0.25**		1	**20**		10
Dibenzofuran	~	~	4.4		1	1.2		1	0.39		2	0.4		1	3		10	0.15	J	1	0.86		2	2.1		2	0.62		1	25		10
Di-n-butylphthalate	6,100	68,000	0.19	U	1	0.19	U	1	0.36	U	2	0.19	U	1	1.8	U	10	0.2	U	1	0.36	U	2	0.46	U	2	0.044	J	1	2.2	U	10
Fluoranthene	2,300	24,000	13		5	15		5	6.3		2	6.7		1	28		10	1.9		1	11		2	25		4	3.6		1	180		50
Fluorene	2,300	24,000	6.1		1	1.9		1	0.47		2	0.5		1	5		10	0.18	J	1	1.6		2	2.7		2	0.72		1	28		10
Indeno(1,2,3-c,d)pyrene	0.6	2	**1.2**		1	**4.5**		1	**1.8**		2	**2.6**		1	**8.9**		10	**0.63**		1	**4.2**		2	**6.9**		2	**0.93**		1	**66**		10
Naphthalene	6	17	**11**		5	0.69		1	0.27	J	2	0.41		1	**6.6**		10	0.11	J	1	1.5		2	2.8		2	**8.3**		1	**35**		10
Phenanthrene	~	300,000	24		5	15		5	6.3		2	5.6		1	29		10	1.8		1	9		2	17		2	3.5		1	220		50
Phenol	18,000	210,000	0.19	U	1	0.19	U	1	0.36	U	2	0.19	U	1	1.8	U	10	0.2	U	1	0.36	U	2	0.17	J	2	0.22	U	1	2.2	U	10
Pyrene	1,700	18,000	9.5		5	12		5	6		2	6		1	24		10	1.6		1	10		2	18		2	2.9		1	140		50
Total SVOCs	~	~	105.62	J		93.661	J		40.88	J	2	43.621	J	1	195.59	J	10	12.265	J	1	81.82	J	2	142.27	J		33.164	J	1	1245.17	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0383	U	1	0.0382	U	1	0.0213	J	1	0.0117	J	1	0.0336	J	1	0.0389	U	1	0.055		1	0.0436	U	1	0.0449	U	1	0.041	U	1
Aroclor 1254	~	~	0.0383	U	1	0.0382	U	1	0.0353	U	1	0.0249	J	1	0.0352	U	1	0.0389	U	1	0.0349	U	1	0.0436	U	1	0.0449	U	1	0.041	U	1
Total PCBs	0.2	1	ND		1	ND		1	0.0213	J	1	0.0366	J	1	0.0336	J	1	ND		1	0.055		1	ND		1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	2	8	0.0329	U	10	0.0332	U	10	0.0331	U	10	0.0115	J	5	0.0309	U	10	0.0174	U	5	0.021	J	10	0.0397	U	10	0.0211	J	10	0.0371	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	5900		2	5100		2	6700		2	3500		2	8400		2	6500		2	6900		2	4200		2	6700		2	12000		2
Antimony	31	450	4.5	U	2	1.3	J	2	4.2	U	2	1.2	J	2	4.2	U	2	4.6	U	2	4.3	U	2	5.7		2	5.3	U	2	5	U	2
Arsenic	19	19	11		2	11		2	6.3		2	18		2	13		2	**30**		2	9.6		2	12		2	16		2	13		2
Barium	16,000	59,000	140		2	120		2	200		2	120		2	340		2	110		2	160		2	420		2	150		2	180		2
Beryllium	16	140	2.1		2	0.39	J	2	4.2		2	0.21	J	2	4		2	1		2	4.9		2	0.44	J	2	0.52	J	2	1		2
Cadmium	78	78	0.83	J	2	0.77	J	2	1.5		2	0.66	J	2	1.4		2	1.6		2	1.2		2	1.8		2	0.69	J	2	1.2		2
Calcium	~	~	44000		2	11000		2	34000		2	18000		2	48000		2	13000		2	52000		2	9200		2	14000		2	14000		2
Chromium Trivalent	~	~	22		1	12		1	54		1	8.4		1	54		1	13		1	39		1	15		1	26		1	29		1
Chromium Hexavalent	~	~	0.23	J	1	0.94	U	1	0.89	U	1	0.92	U	1	0.88	U	1	0.94	U	1	0.89	U	1	1.1	U	1	1.1	U	1	1	U	1
Chromium, Total	~	~	22		2	12		2	54		2	8.4		2	54		2	13		2	39		2	15		2	26		2	29		2
Cobalt	1,600	590	16		2	7.6		2	56		2	5		2	29		2	10		2	37		2	7.1		2	4.9		2	20		2
Copper	3,100	45,000	230		2	100		2	920		2	150		2	440		2	310		2	680		2	2900		2	66		2	180		2
Iron	~	~	18000		2	15000		2	33000		2	14000		2	26000		2	28000		2	27000		2	26000		2	20000		2	20000		2
Lead	400	800	320		2	310		2	**810**		2	330		2	**680**		2	380		2	**460**		2	370		2	210		2	370		2
Magnesium	~	~	14000		2	2300		2	11000		2	1400		2	14000		2	1200		2	18000		2	1500		2	2700		2	3000		2
Manganese	11,000	5,900	210		2	270		2	440		2	180		2	280		2	120		2	310		2	230		2	140		2	800		2
Mercury	23	65	0.2		1	0.45		1	1.4		1	1.2		1	0.22		1	1.5		1	0.12		1	0.64		1	0.47		1	0.91		1
Nickel	1,600	23,000	29		2	15		2	92		2	13		2	51		2	17		2	69		2	16		2	14		2	29		2
Potassium	~	~	760		2	780		2	820		2	570		2	1300		2	860		2	910		2	920		2	930		2	1700		2
Selenium	390	5,700	1.8		2	1.1	J	2	0.49	J	2	2.6		2	0.69	J	2	2.4		2	0.8	J	2	1.3	J	2	1.7	J	2	0.8	J	2
Silver	390	5,700	0.9	U	2	0.92	U	2	0.32	J	2	0.88	U	2	0.85	U	2	0.21	J	2	0.2	J	2	0.25	J	2	1.1	U	2	0.99	U	2
Sodium	~	~	240		2	160	J	2	710		2	440		2	560		2	550		2	710		2	460		2	420		2	460		2
Vanadium	78	1,100	19		2	18		2	19		2	13		2	24		2	21		2	18		2	17		2	46		2	26		2
Zinc	23,000	110,000	1200		2	400		2	5400		10	130		2	2500		10	220		2	3800		10	690		2	110		2	240		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	4.9		1	20		1	1.6	J	1	0.2	J	1	1.6	J	1	1.8	J	1	1.5	J	1	2	J	1	30		1	0.7	J	1
Total Petroleum Hydrocarbons	~	~	548		2	320		1	264		1	322		1	402		1	148		1	1020		2	789		2	414		1	2430		10
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1	U	1	1.1	U	1	1	U	1	1.4	U	1	1.3	U	1	1.3	U	1

Notes:
1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location		G1_COMP-01S			G1_COMP-01S			G1_COMP-01D			G1_COMP-02S			G1_COMP-02D			G1_COMP-03S			G1_COMP-03D			G1_COMP-04S			G1_COMP-04D			G1_COMP-05S			G1_COMP-05D		
Client Sample ID		G1_COMP-01S_0-5			G1_COMP-DUP_091313_S			G1_COMP-01D_5-10			G1_COMP-02S_0-5			G1_COMP-02D_5-10			G1_COMP-03S_0-5			G1_COMP-03D_5-10			G1_COMP-04S_0-5			G1_COMP-04D_5-10			G1_COMP-05S_0-5			G1_COMP-05D_5-10		
Lab Sample ID	**USEPA RCRA TCLP**	L1318158-12			L1318158-14			L1318158-11			L1318159-04			L1318159-05			L1318009-10			L1318009-09			L1318009-06			L1318009-04			L1318158-04			L1318158-03		
Sample Date		09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)		0 to 5			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Lead	5	0.48	J	1	0.34	J	1	0.19	J	1	0.72		1	0.06	J	1	0.04	J	1	0.1	J	1	0.18	J	1	0.43	J	1	**5.4**		1	1.9		1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Arsenic	5	1	U	1	1	U	1	0.03	J	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1
Barium	100	0.85		1	0.81		1	0.29	J	1	0.37	J	1	0.16	J	1	0.39	J	1	0.44	J	1	0.53		1	0.66		1	1		1	0.99		1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.02	J	1	0.1	U	1	0.1	U	1	0.01	J	1	0.01	J	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1
RCRA Characteristics		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
pH (pH units)	<2 or >12.5	8.6		1	9		1	7.7		1	8.3		1	8.9		1	8.4		1	8		1	9.4		1	7.9		1	7.8		1	7.5		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Paint Filter (Negative/Positive)	~	Negative		1	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes:
1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminations for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/NI = Ignitable/ Not Ignitable
11. DF = Dilution Factor

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location		**G1_COMP-06S**			**G1_COMP-06D**			**G1_COMP-07S**			**G1_COMP-07D**			**G1_COMP-08S**			**G1_COMP-08D**			**G1_COMP-09S**			**G1_COMP-09D**			**G1_COMP-10S**			**G1_COMP-10D**		
Client Sample ID		**G1_COMP-06S_0-5**			**G1_COMP-06D_5-10**			**G1_COMP-07S_0-5**			**G1_COMP-07D_5-10**			**G1_COMP-08S_0-5**			**G1_COMP-08D_5-10**			**G1_COMP-09S_0-5**			**G1_COMP-09D_5-10**			**G1_COMP-10S_0-5**			**G1_COMP-10D_5-10**		
Lab Sample ID	**USEPA RCRA TCLP**	**L1318158-07**			**L1318158-08**			**L1318164-04**			**L1318164-03**			**L1318164-06**			**L1318164-05**			**L1318162-01**			**L1318162-02**			**L1318161-03**			**L1318161-04**		
Sample Date		**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**		
Sample Depth (feet bgs)		**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Lead	5	0.31	J	1	0.4	J	1	0.07	J	1	0.06	J	1	0.2	J	1	0.41	J	1	0.36	J	1	0.38	J	1	0.24	J	1	0.22	J	1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Arsenic	5	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1
Barium	100	0.42	J	1	0.27	J	1	0.71		1	0.55		1	0.41	J	1	0.22	J	1	0.28	J	1	0.3	J	1	0.25	J	1	0.13	J	1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.02	J	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1
RCRA Characteristics		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
pH (pH units)	<2 or >12.5	8.8		1	7.6		1	8.7		1	8.2		1	11		1	7.6		1	7.8		1	7.6		1	7.7		1	7.5		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Paint Filter (Negative/Positive)	~	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes:
1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminations for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/NI = Ignitable/ Not Ignitable
11. DF = Dilution Factor

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 5A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	**NYSDEC PART 375 UNRESTRICTED SCO**	**NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO**	**CSO_SB-01A**			**CSO_SB-02B**			**CSO_SB-03A**			**CSO_SB-04B**			**CSO_SB-05A**			**CSO_SB-06A**		
Client Sample ID			**CSO_SB-01A_0-0.5**			**CSO_SB-02B_5-5.5**			**CSO_SB-03A_8.5-9**			**CSO_SB-04B_6.5-7.0**			**CSO_SB-05A_7.5-8.0**			**CSO_SB-06A_3.5-4**		
Lab Sample ID			**L1318168-03**			**L1318166-01**			**L1318166-04**			**L1318166-07**			**L1318167-02**			**L1318167-03**		
Sample Date			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**		
Sample Depth (feet bgs)			**0 to 0.5**			**5 to 5.5**			**8.5 to 9**			**6.5 to 7**			**7.5 to 8**			**3.5 to 4**		
Volatile Organic Compounds (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Acetone	0.05	100	0.0034	J	1	0.0036	J	1	0.0085	J	1	0.013	U	1	0.0065	J	1	*0.64*	U	1
M-P-Xylene	~	~	0.002	U	1	0.0022	U	1	0.0024	U	1	0.0027	U	1	0.0018	U	1	0.024	J	1
Naphthalene	12	100	0.005	U	1	0.0017	J	1	0.0061	U	1	0.0067	U	1	0.0046	U	1	0.68		1
Tetrachloroethylene(PCE)	1.3	19	0.001	U	1	0.0011	U	1	0.0012	U	1	0.0013	U	1	0.00092	U	1	0.029	J	1
Toluene	0.7	100	0.0015	U	1	0.0016	U	1	0.0018	U	1	0.002	U	1	0.0014	U	1	0.027	J	1
Trichloroethylene (TCE)	0.47	21	0.001	U	1	0.0011	U	1	0.0012	U	1	0.00039	J	1	0.00092	U	1	**1.5**		1
Xylene (total)	0.26	100	ND			ND			ND			ND			ND			0.024	J	

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 5B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	CSO_COMP-01			CSO_COMP-02			CSO_COMP-03			CSO_COMP-04			CSO_COMP-05			CSO_COMP-06		
Client Sample ID			CSO_COMP-01_0-10			CSO_COMP-02_0-10			CSO_COMP-03_0-10			CSO_COMP-04_0-10			CSO_COMP-05_0-10			CSO_COMP-06_0-10		
Lab Sample ID			L1318168-06			L1318166-02			L1318166-03			L1318166-05			L1318167-01			L1318167-04		
Sample Date			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013		
Sample Depth (feet bgs)			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	0.093	J	1	0.9	U	4	0.33		1	0.23	U	1	0.49		1	0.11	J	1
3-Methylphenol	0.33	100	0.26	U	1	*1.1*	U	4	0.32	U	1	0.28	U	1	0.062	J	1	0.28	U	1
Acenaphthene	20	100	0.35		1	0.16	J	4	1.1		1	0.072	J	1	0.82		1	0.058	J	1
Acenaphthylene	100	100	0.11	J	1	0.21	J	4	0.43		1	0.16	U	1	0.64		1	0.11	J	1
Anthracene	100	100	1.6		1	0.72		4	2.9		1	0.26		1	2		1	0.22		1
Atrazine	~	~	0.14	U	1	0.6	U	4	0.18	U	1	0.16	U	1	0.15	U	1	0.16	U	1
Benzaldehyde	~	~	0.24	U	1	0.99	U	4	0.29	U	1	0.26	U	1	0.25	U	1	0.26	U	1
Benzo(a)anthracene	1	1	**4.5**		1	**2**		4	**3.9**		1	0.51		1	**3.2**		1	0.74		1
Benzo(a)pyrene	1	1	**4.3**		1	**2.6**		4	**3.5**		1	0.56		1	**3.3**		1	0.98		1
Benzo(b)fluoranthene	1	1	**5.3**		1	**2.8**		4	**4.1**		1	0.65		1	**3.9**		1	**1.4**		1
Benzo(g,h,i)perylene	100	100	2.5		1	1.9		4	1.7		1	0.41		1	2.2		1	0.83		1
Benzo(k)fluoranthene	0.8	3.9	**1.6**		1	**1.1**		4	**1.7**		1	0.24		1	**1.5**		1	0.47		1
Biphenyl (Diphenyl)	~	~	0.41	U	1	1.7	U	4	0.12	J	1	0.45	U	1	0.17	J	1	0.44	U	1
Bis(2-Ethylhexyl) Phthalate	~	~	0.068	J	1	0.75	U	4	0.22	U	1	0.2	U	1	0.19	U	1	0.19	U	1
Carbazole	~	~	0.22		1	0.27	J	4	1.2		1	0.097	J	1	0.77		1	0.082	J	1
Chrysene	1	3.9	**4.2**		1	**2.2**		4	**3.5**		1	0.55		1	**3.1**		1	0.93		1
Dibenz(a,h)anthracene	0.33	0.33	**0.76**		1	**0.44**	J	4	**0.57**		1	0.11	J	1	**0.61**		1	0.23		1
Dibenzofuran	7	59	0.17	J	1	0.75	U	4	0.86		1	0.086	J	1	0.78		1	0.19	U	1
Di-n-butylphthalate	~	~	0.18	U	1	0.75	U	4	0.22	U	1	0.04	J	1	0.19	U	1	0.054	J	1
Fluoranthene	100	100	9.4		2	4		4	7.6		1	1.2		1	6.8		1	1.2		1
Fluorene	30	100	0.35		1	0.22	J	4	1.4		1	0.09	J	1	0.89		1	0.094	J	1
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**2.7**		1	**1.8**		4	**2**		1	0.39		1	**2.3**		1	**0.82**		1
Naphthalene	12	100	0.14	J	1	0.32	J	4	0.52		1	0.1	J	1	1		1	0.16	J	1
Phenanthrene	100	100	4.3		1	2.5		4	7.6		1	0.99		1	6.1		1	0.89		1
Pyrene	100	100	9		2	3.5		4	6.6		1	1.1		1	5.7		1	1.2		1
Total SVOCs	~	~	51.661	J		26.74	J		51.85	J		7.455	J		46.332	J		10.578	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0359	U	1	0.0283	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1254	~	~	0.0359	U	1	0.0231	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1248	~	~	0.0359	U	1	0.0246	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Total PCBs	0.1	1	ND	J		0.076	J		ND	J		ND	J		ND	J		ND	J	
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	0.0033	7.9	**0.0249**	J	10	*0.0328*	U	10	*0.0392*	U	10	**0.00388**		1	*0.0331*	U	10	**0.0223**	J	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	7100		2	8700		2	7000		2	9000		2	8900		2	11000		2
Antimony	~	~	4.3	U	2	4.4	U	2	1.9	J	2	4.6	U	2	4.3	U	2	4.4	U	2
Arsenic	13	16	4.8		2	10		2	**20**		2	9.6		2	10		2	7.8		2
Barium	350	400	110		2	160		2	150		2	160		2	140		2	160		2
Beryllium	7.2	72	0.34	J	2	0.87		2	0.54		2	1.2		2	1.3		2	1.5		2
Cadmium	2.5	4.3	0.6	J	2	0.87	J	2	0.93	J	2	0.93		2	0.96		2	1.1		2
Calcium	~	~	4700		2	28000		2	26000		2	31000		2	28000		2	23000		2
Chromium Trivalent	30	180	14		1	25		1	14		1	18		1	28		1	**32**		1
Chromium Hexavalent	1	110	0.23	J	1	0.91	U	1	*1.1*	U	1	0.95	U	1	0.91	U	1	0.94	U	1
Chromium, Total	~	~	14		2	25		2	14		2	18		2	28		2	32		2
Cobalt	~	~	6.8		2	12		2	7.4		2	11		2	16		2	17		2
Copper	50	270	42		2	**230**		2	**87**		2	**68**		2	**210**		2	**190**		2
Iron	~	~	15000		2	22000		2	23000		2	18000		2	18000		2	27000		2
Lead	63	400	**160**		2	**360**		2	**920**		2	**420**		2	**610**		2	**310**		2
Magnesium	~	~	2800		2	6700		2	3400		2	6800		2	10000		2	8200		2
Manganese	1600	2000	280		2	320		2	490		2	270		2	300		2	280		2
Mercury	0.18	2.8	**0.36**		1	**0.45**		1	**0.41**		1	**0.23**		1	**0.49**		1	**0.5**		1
Nickel	30	310	12		2	24		2	12		2	23		2	**34**		2	**34**		2
Potassium	~	~	1000		2	1100		2	1200		2	800		2	1200		2	1000		2
Selenium	3.9	180	1.7	U	2	0.91	J	2	0.48	J	2	0.68	J	2	0.41	J	2	0.4	J	2
Sodium	~	~	78	J	2	320		2	440		2	240		2	690		2	410		2
Vanadium	~	~	19		2	25		2	20		2	20		2	22		2	25		2
Zinc	109	10000	**360**		2	**700**		2	**370**		2	**290**		2	**1100**		2	**780**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.082	J	1	1.6	J	1	1.6	J	1	1.3	J	1	3		1	0.76	J	1
Total Petroleum Hydrocarbons	~	~	182		1	1850		5	317		1	74.5		1	251		1	234		2
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1.1	U	1	1.1	U	1	1.3	U	1	1.2	U	1	1.1	U	1	1.1	U	1

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor

Qualifiers (Q):

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 5C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	**NJ RDCSRS**	**NJ NRDCSRS**	**CSO_SB-01A**			**CSO_SB-02B**			**CSO_SB-03A**			**CSO_SB-04B**			**CSO_SB-05A**			**CSO_SB-06A**		
Client Sample ID			**CSO_SB-01A_0-0.5**			**CSO_SB-02B_5-5.5**			**CSO_SB-03A_8.5-9**			**CSO_SB-04B_6.5-7.0**			**CSO_SB-05A_7.5-8.0**			**CSO_SB-06A_3.5-4**		
Lab Sample ID			**L1318168-03**			**L1318166-01**			**L1318166-04**			**L1318166-07**			**L1318167-02**			**L1318167-03**		
Sample Date			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**		
Sample Depth (feet bgs)			**0 to 0.5**			**5 to 5.5**			**8.5 to 9**			**6.5 to 7**			**7.5 to 8**			**3.5 to 4**		
Volatile Organic Compounds (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Acetone	70,000	~	0.0034	J	1	0.0036	J	1	0.0085	J	1	0.013	U	1	0.0065	J	1	0.64	U	1
M-P-Xylene	~	~	0.002	U	1	0.0022	U	1	0.0024	U	1	0.0027	U	1	0.0018	U	1	0.024	J	1
Naphthalene	6	17	0.005	U	1	0.0017	J	1	0.0061	U	1	0.0067	U	1	0.0046	U	1	0.68		1
Tetrachloroethylene(PCE)	2	5	0.001	U	1	0.0011	U	1	0.0012	U	1	0.0013	U	1	0.00092	U	1	0.029	J	1
Toluene	6,300	91,000	0.0015	U	1	0.0016	U	1	0.0018	U	1	0.002	U	1	0.0014	U	1	0.027	J	1
Trichloroethylene (TCE)	7	20	0.001	U	1	0.0011	U	1	0.0012	U	1	0.00039	J	1	0.00092	U	1	1.5		1
Xylene (total)	12,000	170,000	ND			ND			ND			ND			ND			0.024	J	

Notes:

1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.

2. Only compounds with detections are shown in the table.
3. There are no reported NJ RDCSRS exceedances.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 5D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NJ RDCSRS	NJ NRDCSRS	CSO_COMP-01			CSO_COMP-02			CSO_COMP-03			CSO_COMP-04			CSO_COMP-05			CSO_COMP-06		
Client Sample ID			CSO_COMP-01_0-10			CSO_COMP-02_0-10			CSO_COMP-03_0-10			CSO_COMP-04_0-10			CSO_COMP-05_0-10			CSO_COMP-06_0-10		
Lab Sample ID			L1318168-06			L1318166-02			L1318166-03			L1318166-05			L1318167-01			L1318167-04		
Sample Date			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013		
Sample Depth (feet bgs)			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	0.093	J	1	0.9	U	4	0.33		1	0.23	U	1	0.49		1	0.11	J	1
3-Methylphenol	~	~	0.26	U	1	1.1	U	4	0.32	U	1	0.28	U	1	0.062	J	1	0.28	U	1
Acenaphthene	3,400	37,000	0.35		1	0.16	J	4	1.1		1	0.072	J	1	0.82		1	0.058	J	1
Acenaphthylene	~	300,000	0.11	J	1	0.21	J	4	0.43		1	0.16	U	1	0.64		1	0.11	J	1
Anthracene	17,000	30,000	1.6		1	0.72		4	2.9		1	0.26		1	2		1	0.22		1
Atrazine	210	2,400	0.14	U	1	0.6	U	4	0.18	U	1	0.16	U	1	0.15	U	1	0.16	U	1
Benzaldehyde	6,100	68,000	0.24	U	1	0.99	U	4	0.29	U	1	0.26	U	1	0.25	U	1	0.26	U	1
Benzo(a)anthracene	0.6	2	**4.5**		1	**2**		4	**3.9**		1	0.51		1	**3.2**		1	**0.74**		1
Benzo(a)pyrene	0.2	0.2	**4.3**		1	**2.6**		4	**3.5**		1	**0.56**		1	**3.3**		1	**0.98**		1
Benzo(b)fluoranthene	0.6	2	**5.3**		1	**2.8**		4	**4.1**		1	**0.65**		1	**3.9**		1	**1.4**		1
Benzo(g,h,i)perylene	380,000	30,000	2.5		1	1.9		4	1.7		1	0.41		1	2.2		1	0.83		1
Benzo(k)fluoranthene	6	23	1.6		1	1.1		4	1.7		1	0.24		1	1.5		1	0.47		1
Biphenyl (Diphenyl)	3,100	34,000	0.41	U	1	1.7	U	4	0.12	J	1	0.45	U	1	0.17	J	1	0.44	U	1
Bis(2-Ethylhexyl) Phthalate	35	140	0.068	J	1	0.75	U	4	0.22	U	1	0.2	U	1	0.19	U	1	0.19	U	1
Carbazole	24	96	0.22		1	0.27	J	4	1.2		1	0.097	J	1	0.77		1	0.082	J	1
Chrysene	62	230	4.2		1	2.2		4	3.5		1	0.55		1	3.1		1	0.93		1
Dibenz(a,h)anthracene	0.2	0.2	**0.76**		1	**0.44**	J	4	**0.57**		1	0.11	J	1	**0.61**		1	**0.23**		1
Dibenzofuran	~	~	0.17	J	1	0.75	U	4	0.86		1	0.086	J	1	0.78		1	0.19	U	1
Di-n-butylphthalate	6,100	68,000	0.18	U	1	0.75	U	4	0.22	U	1	0.04	J	1	0.19	U	1	0.054	J	1
Fluoranthene	2,300	24,000	9.4		2	4		4	7.6		1	1.2		1	6.8		1	1.2		1
Fluorene	2,300	24,000	0.35		1	0.22	J	4	1.4		1	0.09	J	1	0.89		1	0.094	J	1
Indeno(1,2,3-c,d)pyrene	0.6	2	**2.7**		1	**1.8**		4	**2**		1	0.39		1	**2.3**		1	**0.82**		1
Naphthalene	6	17	0.14	J	1	0.32	J	4	0.52		1	0.1	J	1	1		1	0.16	J	1
Phenanthrene	~	300,000	4.3		1	2.5		4	7.6		1	0.99		1	6.1		1	0.89		1
Pyrene	1,700	18,000	9		2	3.5		4	6.6		1	1.1		1	5.7		1	1.2		1
Total SVOCs	~	~	51.661	J		26.74	J		51.85	J		7.455	J		46.332	J		10.578	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0359	U	1	0.0283	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1254	~	~	0.0359	U	1	0.0231	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1248	~	~	0.0359	U	1	0.0246	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Total PCBs	0.2	1	ND	J		0.076	J		ND	J		ND	J		ND	J		ND	J	
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	2	8	0.0249	J	10	0.0328	U	10	0.0392	U	10	0.00388		1	0.0331	U	10	0.0223	J	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	7100		2	8700		2	7000		2	9000		2	8900		2	11000		2
Antimony	31	450	4.3	U	2	4.4	U	2	1.9	J	2	4.6	U	2	4.3	U	2	4.4	U	2
Arsenic	19	19	4.8		2	10		2	**20**		2	9.6		2	10		2	7.8		2
Barium	16,000	59,000	110		2	160		2	150		2	160		2	140		2	160		2
Beryllium	16	140	0.34	J	2	0.87		2	0.54		2	1.2		2	1.3		2	1.5		2
Cadmium	78	78	0.6	J	2	0.87	J	2	0.93	J	2	0.93		2	0.96		2	1.1		2
Calcium	~	~	4700		2	28000		2	26000		2	31000		2	28000		2	23000		2
Chromium Trivalent	~	~	14		1	25		1	14		1	18		1	28		1	32		1
Chromium Hexavalent	~	~	0.23	J	1	0.91	U	1	1.1	U	1	0.95	U	1	0.91	U	1	0.94	U	1
Chromium, Total	~	~	14		2	25		2	14		2	18		2	28		2	32		2
Cobalt	1,600	590	6.8		2	12		2	7.4		2	11		2	16		2	17		2
Copper	3,100	45,000	42		2	230		2	87		2	68		2	210		2	190		2
Iron	~	~	15000		2	22000		2	23000		2	18000		2	18000		2	27000		2
Lead	400	800	160		2	360		2	**920**		2	**420**		2	**610**		2	310		2
Magnesium	~	~	2800		2	6700		2	3400		2	6800		2	10000		2	8200		2
Manganese	11,000	5,900	280		2	320		2	490		2	270		2	300		2	280		2
Mercury	23	65	0.36		1	0.45		1	0.41		1	0.23		1	0.49		1	0.5		1
Nickel	1,600	23,000	12		2	24		2	12		2	23		2	34		2	34		2
Potassium	~	~	1000		2	1100		2	1200		2	800		2	1200		2	1000		2
Selenium	390	5,700	1.7	U	2	0.91	J	2	0.48	J	2	0.68	J	2	0.41	J	2	0.4	J	2
Sodium	~	~	78	J	2	320		2	440		2	240	~	2	690		2	410		2
Vanadium	78	1,100	19		2	25		2	20		2	20		2	22		2	25		2
Zinc	23,000	110,000	360		2	700		2	370		2	290		2	1100		2	780		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.082	J	1	1.6	J	1	1.6	J	1	1.3	J	1	3		1	0.76	J	1
Total Petroleum Hydrocarbons	~	~	182		1	1850		5	317		1	74.5		1	251		1	234		2
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1.1	U	1	1.1	U	1	1.3	U	1	1.2	U	1	1.1	U	1	1.1	U	1

Notes:

1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor

Qualifiers (Q):

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 5E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location **Client Sample ID** **Lab Sample ID** **Sample Date** **Sample Depth (feet bgs)**	**USEPA RCRA TCLP**	**CSO_COMP-01** **CSO_COMP-01_0-10** **L1318168-06** **09/14/2013** **0 to 10**			**CSO_COMP-02** **CSO_COMP-02_0-10** **L1318166-02** **09/14/2013** **0 to 10**			**CSO_COMP-03** **CSO_COMP-03_0-10** **L1318166-03** **09/14/2013** **0 to 10**			**CSO_COMP-04** **CSO_COMP-04_0-10** **L1318166-05** **09/14/2013** **0 to 10**			**CSO_COMP-05** **CSO_COMP-05_0-10** **L1318167-01** **09/14/2013** **0 to 10**			**CSO_COMP-06** **CSO_COMP-06_0-10** **L1318167-04** **09/14/2013** **0 to 10**		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Lead	5	0.13	J	1	0.18	J	1	3.6		1	1.7		1	0.62		1	1.5		1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Arsenic	5	1	U	1	1	U	1	1	U	1	1	U	1	0.03	J	1	1	U	1
Barium	100	0.5		1	0.6		1	0.64		1	0.5		1	0.59		1	0.65		1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.01	J	1	0.1	U	1	0.1	U	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1
RCRA Characteristics		Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL
pH (pH units)	<2 or >12.5	9		1	10		1	8.4		1	7.9		1	8.2		1	8.1		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI			NI			NI			NI			NI			NI		
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL
Paint Filter (Negative/Positive)	~	NA			NA			NA			NA			NA			NA		

Notes:

1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in the table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminants for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/ NI = Ignitable/ Not Ignitable

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 6
QA/QC Sample Detections Summary
Waste Characterization Technical Memo

Buildings G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Client Sample ID	**FB01_091213**		**FB01_091313**		**TB01_091213**		**TB03_091313**		**TB01_091313**		**TB02_091313**		**TB04_091313**		**TB05_091313**	
Sampling Date	**9/12/2013**		**9/13/2013**		**9/12/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**	
Lab Sample ID	**L1318001-07**		**L1318159-01**		**L1318001-08**		**L1318158-15**		**L1318159-06**		**L1318161-05**		**L1318162-05**		**L1318164-09**	
Sample Type	**Field Blank**		**Field Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**	
VOC (µg/l)																
Acetone	5	U	3	J	5	U	3.8	J	2.3	J	2.6	J	2.1	J	5	U
SVOC (µg/l)																
Bis(2-Ethylhexyl)phthalate	2	J	3	U	NA		NA		NA		NA		NA		NA	
Total Metals (µg/l)																
Aluminum, Total	2.91	J	10	U	NA		NA		NA		NA		NA		NA	
Barium, Total	0.24	J	0.25	J	NA		NA		NA		NA		NA		NA	
Calcium, Total	102		50.4	J	NA		NA		NA		NA		NA		NA	
Chromium, Total	0.9	J	1		NA		NA		NA		NA		NA		NA	
Copper, Total	0.18	J	1	U	NA		NA		NA		NA		NA		NA	
Manganese, Total	0.34	J	0.31	J	NA		NA		NA		NA		NA		NA	
Nickel, Total	0.39	J	0.36	J	NA		NA		NA		NA		NA		NA	
Sodium, Total	146		177		NA		NA		NA		NA		NA		NA	
PCB (µg/l)																
Total PCBs	ND		ND		NA		NA		NA		NA		NA		NA	
Pesticides (µg/l)																
Pesticides	ND		ND		NA		NA		NA		NA		NA		NA	
Herbicides (µg/l)																
Herbicides	ND		ND		NA		NA		NA		NA		NA		NA	
General Chemistry (µg/l)																
Cyanide, Total	ND		ND		NA		NA		NA		NA		NA		NA	

Notes:
1. Only compounds with detections are shown in the table.
2. VOC = Volatile Organic Compounds
3. SVOC = Semi-Volatile Organic Compounds
4. PCB = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. NA = Not Analyzed
7. ND= Not Detected

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.

Table 7
QA/QC Sample Detections Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Client Sample ID	**TB01_091413**		**TB02_091413**		**TB03_091413**	
Sampling Date	**9/14/2013**		**9/14/2013**		**9/14/2013**	
Lab Sample ID	**L1318166-06**		**L1318167-05**		**L1318168-07**	
Sample Type	**Trip Blank**		**Trip Blank**		**Trip Blank**	
VOC (µg/l)						
Acetone	5	U	3.8	J	2.6	J
SVOC (µg/l)						
Bis(2-Ethylhexyl)phthalate	NA		NA		NA	
Total Metals (µg/l)						
Aluminum, Total	NA		NA		NA	
Barium, Total	NA		NA		NA	
Calcium, Total	NA		NA		NA	
Chromium, Total	NA		NA		NA	
Copper, Total	NA		NA		NA	
Manganese, Total	NA		NA		NA	
Nickel, Total	NA		NA		NA	
Sodium, Total	NA		NA		NA	
PCB (µg/l)						
Total PCBs	NA		NA		NA	
Pesticides (µg/l)						
Pesticides	NA		NA		NA	
Herbicides (µg/l)						
Herbicides	NA		NA		NA	
General Chemistry (µg/l)						
Cyanide, Total	NA		NA		NA	

Notes and Qualifiers:

1. Only compounds with detections are shown in the table.
2. VOC = Volatile Organic Compounds
3. SVOC = Semi-Volatile Organic Compounds
4. PCB = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. NA = Not Analyzed
7. ND= Not Detected
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.

Table 8
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYCDEP Discharge Parameters

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYCDEP Discharge Parameters**	**GB12OW** **GB12OW_091913** **L1318577-02** **9/19/2013**		
VOC (mg/l)		Result	Q	DF
Chloroform	~	0.0015	U	1
1,1,1-Trichloroethane	~	0.002	U	1
1,4-Dichlorobenzene	~	0.005	U	1
Benzene	0.134	0.001	U	1
Carbon tetrachloride	~	0.001	U	1
Ethylbenzene	0.38	0.001	U	1
Methyl tert butyl ether	0.05	0.0012	J	1
o-Xylene	~	0.001	U	1
p/m-Xylene	~	0.002	U	1
Tetrachloroethene	0.02	0.0015	U	1
Toluene	0.074	0.001	U	1
Xylene (Total)	0.074	0.002	U	1
SVOC (mg/l)		Result	Q	DF
1,2,4-Trichlorobenzene	~	0.005	U	1
Naphthalene	0.047	0.005	U	1
Phenol	~	0.007	U	1
PCB (mg/l)		Result	Q	DF
Total PCBs	0.001	ND		1
Total Metals (mg/l)		Result	Q	DF
Cadmium	2	0.005	U	1
Copper	5	0.01	U	1
Chromium, Hexavalent	5	0.01	U	1
Lead	2	0.015		1
Mercury	0.05	0.0002	U	1
Nickel	3	0.025	U	1
Zinc	5	0.01	J	1
General Chemistry		Result	Q	DF
Chloride (mg/l)	~	920		10
Flash Point (degree F)	<140	150	>	1
Nitrogen, Nitrate/Nitrite (mg/l)	~	0.13		1
Nitrogen, Total Kjeldahl (mg/l)	~	5.49		1
Non-Polar Material by EPA 1664 (mg/l)	50	4	U	1
pH (SU's)	5-11	6.6		1
CBOD, 5 day (mg/l)	~	2	U	1
Total Nitrogen (mg/l)	~	5.6		1
Total Solids (mg/l)	~	2700		1
Total Suspended Solids (mg/l)	350	75		1

Notes and Qualifiers (Q):

1. Groundwater analytical results are compared to the New York City Department of Environmental Protection (NYCDEP) Limitations for Efluent to Sanitary or Combined Sewers.
2. There are no reported exceedances of NYCDEP criteria.
3. VOC = Volatile Organic Compounds
4. SVOC = Semi-Volatile Organic Compounds
5. PCB = Polychlorinated Biphenyls
7. mg/l = milligrams per liter
8. "-" = Criteria does not exist.
9. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL.
10. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
11. DF = Dilution Factor

Table 9
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYSDEC TOGS AWQS - Class I

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYSDEC TOGS AWQS Class I**	**GB12OW** **GB12OW_091913** **L1318578-02** **9/19/2013**		
VOC (µg/l)		Result	Q	DF
1,1,1-Trichloroethane	~	2	U	1
1,1,2,2-Tetrachloroethane	~	1	U	1
1,1,2-Trichloroethane	~	1.5	U	1
1,1-Dichloroethane	~	1.5	U	1
1,1-Dichloroethene	~	1	U	1
1,2-Dichlorobenzene	~	5	U	1
1,2-Dichloroethane	~	1.5	U	1
1,2-Dichloropropane	~	3.5	U	1
1,3-Dichlorobenzene	~	5	U	1
1,4-Dichlorobenzene	~	5	U	1
2-Chloroethylvinyl ether	~	10	U	1
Benzene	10	1	U	1
Bromodichloromethane	~	1	U	1
Bromoform	~	1	U	1
Bromomethane	~	5	U	1
Carbon tetrachloride	~	1	U	1
Chlorobenzene	5	3.5	U	1
Chloroethane	~	2	U	1
Chloroform	~	1.5	U	1
Chloromethane	~	5	U	1
cis-1,2-Dichloroethene	~	1	U	1
cis-1,3-Dichloropropene	~	1.5	U	1
Dibromochloromethane	~	1	U	1
Ethylbenzene	4.5	1	U	1
Methyl tert butyl Ether	~	10	U	1
Methylene chloride	200	5	U	1
o-xylene	~	1	U	1
p/m-Xylene	~	2	U	1
Tetrachloroethene	1	*1.5*	U	1
Toluene	92	1	U	1
trans-1,2-Dichloroethene	~	1.5	U	1
trans-1,3-Dichloropropene	~	1.5	U	1
Trichloroethene	40	1	U	1
Trichlorofluoromethane	~	5	U	1
Vinyl chloride	~	2	U	1
Xylene (Total)	19	2	U	1
Total Metals (µg/l)		Result	Q	DF
Antimony	~	12	J	1
Arsenic	36	5	U	1
Beryllium	~	5	U	1
Cadmium	7.7	1	J	1
Chromium	~	10	U	1
Copper	5.6	*10*	U	1
Lead	8	**18**		1
Mercury	0.0026	*0.2*	U	1
Nickel	8.2	*25*	U	1
Selenium, Total	~	10	U	1
Silver, Total	~	7	U	1
Thallium, Total	~	20	U	1
Zinc, Total	66	12	J	1
General Chemistry		Result	Q	DF
Nitrogen, Nitrate/Nitrite (µg/l)	20000	22	J	1
Oil & Grease, Hem-Grav (µg/l)	~	4000	U	1
pH (SU)	~	6.6		1
Solids, Total Suspended (µg/l)	~	69000		1
Solids, Total Settleable (ml/l)	~	0.1	<	1

Notes and Qualifiers (Q):

1. Groundwater samples analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGV) Class I.
2. NYSDEC TOGS Class I exceedances are shaded and bolded.
3. VOC = Volatile Organic Compounds
4. µg/l - micrograms per liter
5. ml/l = milliliters per liter
6. ~ = Criteria does not exist.
7. DF = Dilution Factor
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
10. Reporting limits above TOGS Class I values are italicized.

Table 10
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYSDEC TOGS Groundwater Effluent Limitations - Class GA

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date	Groundwater Effluent Limitations (Class GA)	GB12OW GB12OW_091913 L1318578-02 9/19/2013			GB12OW GB12OW_091913 L1318577-02 9/19/2013		
VOC (µg/l)		Result	Q	DF	Result	Q	DF
1,1,1-Trichloroethane	5	2	U	1	2	U	1
1,1,2,2-Tetrachloroethane	5	1	U	1	NA		
1,1,2-Trichloroethane	1	*1.5*	U	1	NA		
1,1-Dichloroethane	5	1.5	U	1	NA		
1,1-Dichloroethene	5	1	U	1	NA		
1,2-Dichlorobenzene	3	*5*	U	1	NA		
1,2-Dichloroethane	0.6	*1.5*	U	1	NA		
1,2-Dichloropropane	1	*3.5*	U	1	NA		
1,3-Dichlorobenzene	3	*5*	U	1	NA		
1,4-Dichlorobenzene	3	*5*	U	1	*5*	U	1
2-Chloroethylvinyl ether	~	10	U	1	NA		
Benzene	1	1	U	1	1	U	1
Bromodichloromethane	50	1	U	1	NA		
Bromoform	50	1	U	1	NA		
Bromomethane	5	5	U	1	NA		
Carbon tetrachloride	5	1	U	1	1	U	1
Chlorobenzene	5	3.5	U	1	NA		
Chloroethane	5	2	U	1	NA		
Chloroform	7	1.5	U	1	1.5	U	1
Chloromethane	~	5	U	1	NA		
cis-1,2-Dichloroethene	5	1	U	1	NA		
cis-1,3-Dichloropropene	0.4	*1.5*	U	1	NA		
Dibromochloromethane	50	1	U	1	NA		
Ethylbenzene	5	1	U	1	1	U	1
Methyl tert butyl Ether	10	10	U	1	1.2	J	1
Methylene chloride	5	5	U	1	NA		
o-xylene	5	1	U	1	1	U	1
p/m-Xylene	5	2	U	1	2	U	1
Tetrachloroethene	5	1.5	U	1	1.5	U	1
Toluene	5	1	U	1	1	U	1
trans-1,2-Dichloroethene	5	1.5	U	1	NA		
trans-1,3-Dichloropropene	0.4	*1.5*	U	1	NA		
Trichloroethene	5	1	U	1	NA		
Trichlorofluoromethane	5	5	U	1	NA		
Vinyl chloride	2	2	U	1	NA		
Xylene (Total)	5	2	U	1	2	U	1
SVOC (ug/l)		Result	Q	DF	Result	Q	DF
1,2,4-Trichlorobenzene	5	NA			5	U	1
Naphthalene	10	NA			5	U	1
Phenol	2	NA			*7*	U	1
PCB (µg/l)		Result	Q	DF	Result	Q	DF
Aroclor 1016	~	NA			0.05	U	1
Aroclor 1221	~	NA			0.05	U	1
Aroclor 1232	~	NA			0.05	U	1
Aroclor 1242	~	NA			0.05	U	1
Aroclor 1248	~	NA			0.05	U	1
Aroclor 1254	~	NA			0.05	U	1
Aroclor 1260	~	NA			0.05	U	1
Total PCB	0.09	NA			ND		
Total Metals (µg/l)		Result	Q	DF	Result	Q	DF
Antimony	6	**12**	J	1	NA		
Arsenic	50	5	U	1	NA		
Beryllium	3	*5*	U	1	NA		
Cadmium	10	1	J	1	5	U	1
Chromium	100	10	U	1	NA		
Chromium, Hexavalent	100	NA			10	U	1
Copper	1000	10	U	1	10	U	1
Lead	50	18		1	15		1
Mercury	1.4	0.2	U	1	0.2	U	1
Nickel	200	25	U	1	25	U	1
Selenium, Total	20	10	U	1	NA		
Silver, Total	100	7	U	1	NA		
Thallium, Total	0.5	*20*	U	1	NA		
Zinc, Total	5000	12	J	1	0.01	J	1
General Chemistry		Result	Q	DF	Result	Q	DF
Chloride (mg/l)	~	NA			920		10
CBOD, 5 day (µg/l)	~	NA			2000	U	1
Flash Point (degree F)	~	NA			150	>	1
Nitrogen, Nitrate/Nitrite (µg/l)	~	22	J	1	130		1
Nitrogen, Total Kjeldahl (µg/l)	~	NA			5490		1
Total Nitrogen (µg/l)	10000	NA			5600		1
Non-Polar Material by EPA 1664 (µg/l)	~	NA			4000	U	1
Oil & Grease, Hem-Grav (µg/l)	~	4000	U	1	NA		
pH (SU)	~	6.6		1	6.6		1
Total Solids (mg/l)	~	NA			2700		1
Solids, Total Suspended (µg/l)	~	69000		1	75000		1
Solids, Total Settleable (ml/l)	~	0.1	<	1	NA		

Notes and Qualifiers (Q):

1. Groundwater samples analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Effluent Limiations and 6 NYCRR Part 703.6 Groundwater Effluent Limitations for Discharges to Class GA Waters.

2. NYSDEC Class GA exceedances are shaded and bolded.
3. VOC = Volatile Organic Compounds
4. µg/l - micrograms per liter
5. ml/l = milliliters per liter
6. ~ = Criteria does not exist.
7. DF = Dilution Factor
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
10. Reporting limits above Class GA values are italicized.
11. NA - Not Analyzed
12. ND - Not Detected

ATTACHMENT A

BUILDING G1

BORING LOGS

LANGAN
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LOG OF BORING G1-SB-1A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 feet	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Road bed graded material, F gravel (tan), loose, intermixed w. construction debris	0.6					slight moist Max PID = 0.0ppm
	orange brown rock frags or mortar, pink/red refractory brick, brown gravel material w. M to C sand, loose.	1 / 1.3					Max PID = 0.0ppm Slight moist. No odor/stain.
	Concrete debris (concrete frags), cobble-size zoned. M sand w. silt, rock frags. Dense. Gray to brown gray. Fill. 14"	2 / 2.5			45/60		Max PID = 0.0ppm Slightly moist. No odor/stain
	Construction debris. Brown mortar, crushed and gravel sized red brick, light gray mortar. Large single piece. Fill. 15"	3 / 3.8					Max PID = 0.0ppm No odor/stain *sample G1-SB-1A-4-4.5 collected
	no recovery 3.8-5' bgs	4 / 5					
	no recovery 5-5.7' bgs	5.7					
2	Gray + grayish white mortar includes very large cobble of cement. Fill. 9"	6					Max PID = 0.0ppm No odor/stain.
	Brown F to M sand w. red brick frags, construction debris. Fill. 9"	7			52/60		Max PID = 0.0ppm No odor/stain
	Olive mottled and gray black silt w. rock frags (angular) gravel. Very firm. 6"						Max PID = 0.0ppm Wet. No odor/stain.
	Dark gray silt/silty clay w. F sand and F to M gravel. Loose. May contain cinders or ash. 10"	8					Max PID = 0.0ppm Wet, No odor/stain.
	Med gray loose F gravel w. some silt, F to M gravel (brownish gray). Fill. 10"	9					Max PID = 0.0ppm wet, No odor/stain *sample G1-SB-1A-9-9.5
	Fibrous wood pieces. Fill. 5"						Max PID = 0.0ppm. No stain. wood pieces have solvent-like odor
	F sand brown-dark gray, med dense, some fly ash, tr. F gravel. Fill 3'	10					Max PID = 0.0ppm Wet, No odor.
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING G-SB-1B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic INC	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohner (log compiled by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt plus 2 underlying beds; coarse rock frags, gravel, Fill, 9"	0.75					Max PID = 0.0ppm No odor/stain
	Pink/red brick (refractory) and dark gray F gravel/C sand plus lesser F sands to silts, Med dense, 9", Fill	1 / 1.5					Max PID = 0.0ppm Slightly moist No odor/stain.
	Assorted sand size mixed gravel and construction debris, No size above F gravel and refractory pink/red brick, Fill	2 / 2.3			42/60		Max PID = 0.0ppm No odor/stain
	orange brown disintegrating concrete to sand or perhaps orange stained granite to sand! silt, brownish gray, med dense Fill, 13"	3					Max PID = 0.0ppm Slightly moist. No odor, Perhaps orange stain
	Concrete pieces. Fill 6"	3.8					Max PID = 0.0ppm No odor/stain.
	No recovery 3.8 - 5' bgs	4					
		5					
2	No recovery 5 - 6.1 bgs	6					
	red brown frags, probable construction brick, Fill	6.1					Max PID = 0.0ppm No odor/stain.
	Pk gray, loose, med/coarse sandy F gravel. M gravel. Trace to some concrete	7			46/60		Max PID = 0.0ppm No odor/stain
	Olive to dark gray, some Med. coarse sand, med dense, some med gravel Fill, 7"						Max PID = 0.0ppm Moist to wet
	Fibrous wood pieces. Fill 1/2"	8					Max PID = 0.0ppm Wood frags have solvent-like odor No stain
	Dark gray silt w. F sand, super F to M gravel, med dense, w. large red brick frags at base of top 1/3,	9					Max PID = 0.0ppm wet. No odor/stain
	Silt and clay brown (weathered in place?), silt dark gray clay, gray/white coarse debris	10					Max PID = 0.0ppm wet, No odor/stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-2A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

FWI	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt coal bed, w F to C gravel, Fill, 6".	0.5					Max PID=0.0ppm 0-10', 6" intervals No odor/stain
	DK gray M sand w. wood frags ~1" long. Loose						Slightly moist. No odor/stain
	Brownish gray F sand, very loose w. red brick uniform size frags. 5", Fill	1					Slightly moist. No odor/stain
	crush mortar, yellowish gray. Loose.						Slightly moist. No odor/stain.
	DK gray M sand, loose, some M gravel frags. Fill						Moist. No odor/stain
	Crush brick/mortar well mixed poorly sorted (well graded). May have been single or multiple large frags prior to sonic sampling. Fill. 29"	2			50/60		No odor/stain
1		3					
		4					
	No recovery 4.2 to 5' bgs	4.2					
		5					
	No recovery 5 to 5.6' bgs	5.6					
	Compressed crush brick, w. silt underlain by mortar. Fill, 14".	6			53/60		No odor/stain.
	Crushed mortar, gray. Fill. 4"	7					No odor/stain.
2	Wood frags, very slight hint of aroma (solvent), similar to SB1B run 2.	7.6					Wood frags w. slight solvent-like aroma, No stain.
	Dark gray C sand, frags of gray brown masonary, med dense to dense. Cinders.	8					Wet. Smoke-like odor. No stain.
	Olive and dk gray M sand, some ash. 4".	8.6 / 8.9					No odor/stain.
	~~DK gray C sand, frags of gray brown masonary, med dense to dense, cinders.~~	9					No stain. Smoke-like aroma.
	Olive and dk gray M sand, some ash. 8".						No odor/stain.
	END OF BORING.	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-2B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft.	INSPECTOR	Bill Bohrer (log completed by N. Roll)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt and underlying C gravel and F gravel, well mixed due to sonic rig.	0.75					Max PID=0.0ppm for 0-10', 6" intervals, No odor/stain.
	Well mixed loose construction debris. Concrete aggregate frags, red brick, red/pink brick. Wire reinforcement. Very loose. Fill. 41"	1			50/60		No odor/stain. Slight moist.
		2					
		3					
		4					*sample GI-SB-2B-3.5 to 4 collected
	no recovery 4.2-5' bgs	4.2					
2	no recovery 5-5.4' bgs	5 / 5.4					
	Fly ash (coal ash) embedded in silt, clay. Silt/F sand orange to yellow, banded w. depth suggests leachate pit rxn, dense. Fly ash w/m brick mortar?	6					Moist. No odor.
	C dark gray loose sand, some F gravel	6.6			55/60		Wet. No odor/stain
	Silty clay, olive gray w orange brown, firm	7					Wet. No odor. Horizontal banding
	C sand, olive gray, some fly ash(?) loose						Wet. No odor/stain.
	Med gray C sand w. gravel + cinders						Loose + wet. No odor/stain.
	Dark gray C sand w. cinders + wood frags.	8					No odor/stain
	C sand, olive gray, fly ash(?) Med dense						No odor/stain. *sample GI-SB-2B-8-8.5 collected
	Dark gray C sand with multi-sized gravel, trace wood frags, loose. Cinders. Fill. 17".	9					Wet. No stain/odor.
	END OF BORING.	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI_SB-3A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft.	INSPECTOR	Bill Bohrer (log completed by N/Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt, olive silty gravel. Fill. 8"	0.7					No stain/odor *Max PID = 4168 ppm
	Crushed red brick Fill. 10"	1 1.5					No odor/stain. *Max PID = 8698 ppm
	Yellow/brown silt/sand w. cobble. Fill. 4"	1.9					No odor/stain. Slightly moist. Med. stiff, *Max PID = 1287 ppm
1	Concrete. Fill. 4"	2 2.2			60/60		No odor/stain
	Dark gray ash, firm. Fill. 4"	2.5					Moist. No odor/stain *Max PID = 2893 ppm
	Silt/F sand, olive gravel. Med. dense, Fill. 6"						slight moist. No odor/stain
	Dark gray cinder aggregate, similar to med gravel. Loose. Fill. 6"	3					No odor/stain.
	Concrete aggregate suspended in silty sand w. fine sand. Grayish brown Concrete w. some brick material Fill. 18".	4					Slightly moist. MaxPID > 9999 ppm No odor/stain. *Sample GI-SB-3A-4-4.5 Collected based on max PID reading
	no recovery 5-6' bgs	5					
	Reddish brown, rock frags in dark gray sandy silt, concrete and red brick	6					6". No odor/stain
	Red/pink brick w. gravel sand material. Loose. Fill. 14"	7 7.7			48/60		slightly moist. No odor/stain
2	Brownish gray M to F sand w. silt - some F gravel. Loose. Fill. 21".	8					wet. No odor/stain.
		9 9.4					*Sample GI-SB-3A-9-9.5 collected based on max PID reading.
	Yellow brown to olive. F gravel, crushed rock Fill, wet.	9.5					wet.
	Wood frag, slag, F to M sand, gray w. cinder material. Fill. 6".	10					No odor/stain.
	END OF BORING	11					
		12					
		13					
		14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING G1-SB-3B **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing		PROJECT NO. 170229002	
LOCATION Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY ADT		DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17C		COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING 4" ID		WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN German Torres	
SAMPLER 4" ID x 5ft.		INSPECTOR Bill Bohrer (log completed by N. Bell)	
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Data not Available	1					PID = 482 ppm PID = 0.0 ppm
		2			5g/60		PID = 1298 ppm
		3					PID = 538 ppm
		4					PID = 209 ppm
	no recovery 4.6 - 5' bgs	5					
2	Mix of loose construction debris. w. cobbles, concrete, red brick w. M sand and some F sand, tr. silt. Fill 18".	6 6.5					Max PID = 0.0 ppm No odor / stain.
	Loose unconsolidated brick (red) dark gray silt and sand, specks of olive silt. Fill 14".	7 7.6			60/60		Max PID = 0.0 ppm Moist. No odor / stain.
	Loose, dark gray w. white specks fine sand intermixed w. silt. Fill 22".	8 9 9.5					Max PID = 0.0 ppm Wet. No odor / stain.
	Silty clay or clayey silt, with cobble and rock. 6". Fill.	10					Max PID = 0.0 ppm
	END OF BORING	11 12 13 14					

LANGAN
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LOG OF BORING G1-SB-4A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Construction debris brick w. dark brown, sh gray silt and F sand. Some M gravel. Fill. 14"	1.2					Max PID=0.0 ppm Slightly moist. No odor/stain.
	Decomposing concrete w. M silt and concrete frags. Fill. 8"	1.8					Max PID=0.0 ppm Slightly moist. No odor/stain
	Crushed red brick. Fill. 4".	2.2			4/4		Max PID=0.0 ppm Slight moist. No odor/stain
	Dark gray cinder material.	3.3			6/6		Max PID=0.0 ppm No odor/stain. *Sample G1-SB-4A-2.5-3 collected
	Decomposed brown, yellow brown excavated debris (?)	4					Max PID=0.0 ppm wet/moist. No stain/odor.
	no recovery 4-5' bgs	5					
2	Dark gray medium sand. Dense. Fill. 12".	6					Max PID=0.0 ppm Smoke-like odor, no stain Moist.
	Coarse gravel w. olive F sand and silt. Medium dense. Multigrade gravel. Fill. 8"	6.7			6/6		Max PID=0.0 ppm Slight moist/moist. No stain/odor
	Dark gray organic w. F sand and silt. Tr wood frags. Firm. Fill. 4"	7			6/6		Max PID=0.0 ppm Moist. No odor/stain
	Olive F sand w. F gravel. Dense, esp. at base. Fill. 15"	8.25					Max PID=0.0 ppm Moist/wet. No odor/stain
	Dark gray and light green F material w. light gray to dark gray sand. Loose - med dense. Mottled w. white, some basalt rock frags, varying size gravel. Fill. 21".	9					Max PID=0.0 ppm Wet. No odor/stain. *Sample G1-SB-4A 9-9.5 Collected.
	END OF BORING	10					
		11					
		12					
		13					
		14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING G1-SB-4B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229.002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

Run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray, hint of mottled light gray/white cinder material w. red brick and sand, silt.	0.5					Max PID = 0.0ppm No odor/stain Dense. Slight moist.
	Light gray/brown ash and silt, some white brick	0.9					Max PID = 0.0ppm Dense. Slight moist. No odor/stain
	red brick refractory stone material, frags to C sand, size material. Red/brown to dark gray mottled F sand. Fill. 12"	1 / 1.7			54/60		Max PID = 0.0ppm Slightly moist No odor/stain.
	Dark gray cinder/ash w. med/fine sand some silt, carbonized streaks. Fill. 10"	2 / 2.5					Max PID = 0.0ppm No odor.
	Dark gray w. white rock frags. Cement-type base. Med dense. Fill. 18".	3					Max PID = 0.0ppm Slight moist. No odor/stain
	Olive-dark gray compressed SILT w. sand and gravel, gray/dark gray. Fill.	4 / 4.5					Max PID = 0.0ppm No odor/stain.
	no recovery 4.5-5' bgs						
	no recovery 5-5.2 bgs	5					
2	Similar at end of run #1. Gray SILT w. sand, M gravel, refractory brick pieces. Fill 8"						Max PID = 0.0ppm No odor/stain
	Large red refractory brick frags in dark gray silt w. F gravel, ash like streaking. Fill. 9"	6			58/60		Max PID = 0.0ppm No odor/stain.
	Yellow tan/brown and olive gray F SAND w. gravel rock frags. May be from alluvial deposits. Med dense. Fill. 15".	7					Max PID = 0.0ppm No odor/stain Slightly moist
	Dk gray, organic rich silt. Fly ash (?)	8					Max PID = 0.0ppm No odor/stain
	Dark gray mottled w. olive gray F SAND w. M gravel. Fill. 18"	9					Max PID = 0.0ppm No odor/stain
	Red/pink refractory brick w. loose F. Sand						" " Wet.
	Dk gray, organic rich silt. w. slag-like material	10					" " Moist.
	END OF BORING						
		11					
		12					
		13					
		14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING GL-SB-5A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Loose olive gray SAND matrix, large gravel / fragmented rock. Fill. 13"	1.1					Max PID = 0.0 ppm Slightly moist. No odor / stain
	Red brick / grey wood frags, some silt, med dense. Mottled brown to gray w. more gray dense wetter Fill.	2			52/100		Max PID = 0.0 ppm Slightly moist to moist. No odor / stain.
	Fine quartz sand w. med brown gray to med dense large silt volume (silty fine sand). Fill. 28"	3					Max PID = 0.0 ppm Moist to wet. No odor / stain
		4.3					
	no recovery 4.3 - 5' bgs	5					
2	no recovery 5 - 5.3' bgs	5.3					
	Gravel, med brown, very loose. Fill. 8".	6					Max PID = 0.0 ppm slightly moist. No odor / stain
	Red brick (crushed) w. dried gray crushed gravel, some silt. Fill. 8".	6.7			56/100		Max PID = 0.0 ppm No odor / stain
	Red / pink crushed brick re fractory glass mixed in. Loose. Fill. 6"	7 / 7.3					Max PID = 0.0 ppm No odor / stain Slightly moist.
	Brownish gray cement aggregate. Fill. 8".	8					Max PID = 0.0 ppm Slightly moist. No odor / stain.
	Concrete aggregate frags in matrix of concrete dust. Loose, Fill. 11"	8.9					Max PID = 0.0 ppm Slightly moist. No odor / stain
	Dark gray material over yellow brown med sand w. dark gray silt. Some wood frags. Med dens. Fill. 15".	9					Max PID = 0.0 ppm Moist. No odor / stain
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-5B **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing		PROJECT NO. 170229002	
LOCATION Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY ADT		DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17C		COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES: DIST. / UNDIST. / CORE	
CASING 4" ID		WATER LEVEL: FIRST / COMPL. / 24 HR.	
CASING HAMMER: WEIGHT / DROP		FOREMAN German Torres	
SAMPLER 4" ID x 5ft.		INSPECTOR Bill Bohrer (log completed by N. Bell)	
SAMPLER HAMMER: WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Crushed red brick within matrix of wet decomposed cement. Fill. 6"	0.5					Max PID=0.0ppm No odor / stain. wet.
	Dark gray med sand sized cinders, loose. Fill. 7"	1					Max PID=6.82ppm Slightly moist.
	Red/pink refractory brick (crushed) in crushed cement. Fill. 5"	1.1 1.5					Max PID=0.0ppm No odor / stain.
	Crushed brick w. olive sand. Fill. 3". Loose	1.75					Slightly moist. No odor / stain
	Dark gray M to F SAND sized CINDERS, med. dense to loose. Fill. 15"	2			52/60		Max PID=752ppm Slightly moist. No odor / stain.
	Same as above but also mixed w. olive gray sand. Dense. 5"	3 3.4					Max PID=2.81ppm Moist. No odor / stain.
	Dark gray M to F sand size. Medium dense to loose. Fill. 9"	4 4.3					Max PID=0.0ppm Slightly moist. No odor / stain
	No recovery 4.3-5' bgs	5					
2	No recovery 5-6.5' bgs	6 6.5					
	Dark gray M to F sand size. Med dense to loose. Fill. 6"	7			42/60		Max PID=0.0ppm No odor / stain.
	Dark gray M to F sand sized cinders, med dense to loose also w. olive gray sand. Fill. 6"	7.5					Max PID=0.0ppm Moist. No odor / stain.
	Gray to dark gray loose M to coarse silt abt 25% some rock fragment. Fill. 26"	8					Max PID=0.0ppm No odor / stain.
		9 9.6					
	Clay non-plastic w. sand and stiff gravel. Fill. 4"	10					Max PID=0.0ppm wet. No odor / stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GL-SB-6A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Pink/red refractory brick, pieces of gravel disassembled due to sonic rig. Fill. 17"	1 / 1.4					Max PID = 0.0 ppm No odor/stain.
	Dk gray silt and F sand w. dark gray wood frags, trace cinders, Loose	1.8					Max PID = 0.0 ppm slight moist. No odor/stain
	M gray w. pieces of red brick and concrete, mostly dense concrete Fill. 8"	2 / 2.5			5/60		Max PID = 0.0 ppm
	Wood frags gravel, silt + F sand. Gravel is M large, rounded and smaller angular pieces. Wood is fibrous/shredded, Loose. Fill. 17"	3 / 3.9					Max PID = 158 ppm Moist. No stain. Wood frags have creosote-like odor * sample GL-SB-6A-3.0-3.5 collected
	orange/yellow brown mottled w dark gray streaks (not stains) construction debris (red brick frags, gravel)	4 / 4.7					Max PID = 3.4 ppm No odor/stain
	No recovery 4.7 to 5' bgs	5					
2	No recovery 5 to 5.3' bgs	5.3					
	Gray concrete rubble, M sand (derived from concrete), med. dense. Fill. 12"	6 / 6.3			5/60		Max PID = 0.0 ppm Moist. No odor/stain
	construction debris, red brick, silt, Fill. 3"	6.6					Max PID = 0.0 ppm. No odor/stain
	Wood pieces. 11"	7 / 7.5					Max PID = 239 ppm Wood frags have solvent-like odor * sample GL-SB-6A-7-7.5 collected
	Reworked dk gray F sand and F gravel; med dense/med loose, Fill, 15"	8 / 8.75					Max PID = 0.0 ppm Wet. No odor/stain.
	Firm silt to very F sand w. F to loose angular to rounded gravel, brown, Tan to light gray, very firm silty clay med plasticity, grades downward, fine,	9 / 9.25					Max PID = 0.0 ppm Wet, No odor/stain. Max PID = 0.0 ppm Wet. No odor/stain.
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-6B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by K.B.)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLWS in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	poorly sorted silts to F gravel. Tan road bed. Fill. 10".	0.8					Max PID = 0.0 ppm No odor / stain
	poorly sorted silts to F gravel. Brownish dark gray quartz, M gravel (some). loose. Fill	1 1.4					Max PID = 0.0 ppm Wet., No odor / stain
	Construction debris, pink/red block, refractory brick, some mixed gravel + silt size pebbles, loose.	2 2.1			16/		Max PID = 0.0 ppm Slightly moist No odor / stain
	Wood frags, dark gray silt and F sand plus gravel to cobble size. Loose. Fill. 16".	3 3.4			60		Max PID = 0.0 ppm Wet. No odor / stain
	Brownish gray M to F sand w. some silt. F to M gravel, cobbles, loose. Fill. 10"	4 4.25					Max PID = 0.0 ppm Moist No odor / stain
	M to dark gray F sand w. some silt, F to M gravel. Loose. Fill	4.7					Max PID = 0.0 ppm Moist. No odor / stain.
	Construction debris, brick and concrete, very dense. Fill (expansion)	5					Max PID = 0.0 ppm No odor / stain
2	no recovery 5 to 5.6	5.6					
	orange brown med sand, med dense to dense. Some silt.	6					Max PID = 0.0 ppm Moist. No odor / stain
	Mottled brownish gray over orange brown F sand, some silt w. some F gravel. Fill, 9".	6.8			53/		Max PID = 0 Wet. No odor / stain.
	Identical matrix and color as above but also includes M to large gravel / rock frags. Fill. 9".	7 7.6			60		Max PID = 0 No odor / stain.
	Construction debris, dark gray silt and F sand, gravel. Loose. Fill. 10"	8 8.4					Max PID = 0 Moist. No odor / stain.
	Tan refractory matrix. Fill. 8".	9 9.1					Max PID = 0.0 ppm No odor / stain
	Dk gray F sand & silt, large sized gravel, exudes smoky aroma (slight). Fill. 8"	9.75					Max PID = 0 No stain. Slight smoke like odor
	Mottled dk gray clay-like or F silt or F sand. Fill	10					Max PID = 0 No odor / stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-7A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Olive brown F Sand and silt, slightly moist. Med dense. Heavy amts of construction debris (concrete plus gravel, M to F tr. F red brick frags and orange brown blobs of plastic clay. Topbase more firm. 36". Fill.	1, 2, 3			50/60		Max PID = 0.0ppm for 0-10', each 6" interval. Wet. No odor/stain.
	Begins w. red/orange conglomerate, then single pieces of red/orange construction stone, material aggregate (large brick?) Fill. 14"	4					No odor/stain. *sample GI-SB-7A-3.5-4 collected
	no recovery 4.2 to 5' bgs	5					
	no recovery 5 to 5.8' bgs	5.8					
2	Brown M sand w. tr. fly ash/coal ash? Includes brownish mass of orange/red at end. See GI-SB-1B. Thickness vary slightly suggesting similar deposition, may be due to sonic vibrations. Fill. 42".	6, 6.5, 7, 8, 9, 10			50/60		No odor/stain. No odor/stain. *sample GI-SB-7A-9-9.5 collected.
	END OF BORING	11, 12, 13, 14					

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LOG OF BORING GI-SB-7B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohner (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Gray concrete (original surface material). 6".						Max PID = 0.0 ppm from 0-10', every 6" interval.
	F tan gravel. Road bed. 4".						No odor/stain
	Red brick w. loose crushed brick.	1					No odor/stain
	Mix construction debris incl. 6" diameter concrete cobbles, crush brick, w gravel. Brick = red. Concrete = gray or white. Sand = olive gray to brownish gray. Loose.	2			44/60		Slightly moist. No odor/stain.
		3					
		3.8					
	no recovery 3.8 to 5' bgs	4					
		5					
2	no recovery 5 to 6' bgs						
		6					
	M sand w. some silt. Loose w. vary size and crush gravel. Zone. Tan zone - concrete (12-15"), Dark gray (6-10") may be cinders. 24". Fill.	7			48/60		Slightly moist. No odor/stain.
		8					
	Yellowish orange mottled over olive gray clayey/silty matrix. Firm. 8".	8.7					Moist. No odor/stain.
	M sand w. some silt, olive gray w. orange brown spots, wide size dist. of gravel. Some gravel/rocks derived from sand base concrete/granite	9					No odor/stain.
		10					
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING G1-SB-8A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohner (log completed by N. Beh)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Crushed concrete						Max PID = 0.0ppm from 0-10' every 6" interval. No odor/stain.
	DK grayish brown F sand and wood frags	1					No odor/stain.
	Crushed brick (red) and mortar. 9". Fill.						No odor/stain.
	DK gray silt, some rock frags (concrete) Brown F sand, off white fly ash (?)	2					Slightly moist. No odor/stain.
1	Construction debris, brick, concrete, crushed asphalt. M sand, loose.	3			59/60		No odor/stain. Slightly moist. No odor/stain.
	orange rock frags in orange M sand, dense.	4					Slight moist. No odor/stain. *Sample G1-SB-8A-4-4.5 collected
		5					
	no recovery 5 - 5.8' bgs	5.8					
	Construction debris (concrete frags, M sand). 15"	6					Slightly moist. No odor/stain
	Fly ash (?), flaky white material in orange brown sand/gravel, Loose.	7			51/60		Slightly moist. No odor/stain
2	Light gray M sand, specks of white flaky material w/gravel, loose.	8					Slightly moist. No odor/stain.
	Med to dark gray C sand w. F gravel, loose, some white specks. Fill. 16".	9					Slight moist. No odor/stain. *sample G1-SB-8A-9-9.5 collected
	Fly ash (?) in orange brown sand and gravel. Loose.	10					Slight moist. No odor/stain
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING G-1-SB-8B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	5" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	5" ID x 5ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt plus road bed. 11"						Max PID = 0.0ppm from 0 to 10', every 6" interval
							No odor/stain.
	red brick frags	1					No odor/stain.
	F sand, dark gray slightly moist plus M gravel: ground asphalt?						No odor/stain
	Brick mortar and concrete debris, Fill. 9"	2					No odor/stain.
1	Brown, med dense F sand, const. debris frag				60/60		Slightly moist. No odor/stain.
	Brick concrete aggregate mortar, Construction debris. 11", Fill	3					No odor/stain.
	Brown dense M sand w. gravel, old style concrete or weathered in place rock frags.	4					Moist. No odor/stain.
	Construction debris (mortar brick frags) in reddish brown F sand. Dense. Some concrete frags.	5					Slightly moist. No odor/stain.
	Yellow orange w. olive gray streaks firm silt. Some harder material as gravel	6					Slightly moist. No odor/stain.
	Same as above, but more brown and w/o olive gray streaks. 12"	7			60/60		No odor/stain. Slightly moist.
2	Dk gray F sand w. some silt, gravel, Dense						Wet. No odor/stain.
	Br F sand, mod to loose. Tr. rock frags	8					wet. No odor/stain.
	F sand and silt banded as dark gray mottled w. olive, reddish brown and med. gray gravel, Fly ash?						No odor/stain.
	M sand (cinder flake) and gravel - loose. 10".	9					Wet. No odor/stain
	olive gray firm silty clay, non-plastic	10					wet. No odor/stain
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING GL_SB-9A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic MC	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt & road bed material. 10".						Max PID = 0.0ppm from 0-10', every 6" interval. No odor/stain.
	Dark brownish gray F sand and dark gray wood frags. Loose.	1					Slightly moist. No odor/stain.
	Red brick & mortar (crushed) Construction debris (originally single piece?) Loose.	2			60/60		Slightly moist. No odor/stain.
	Brown mottled over M gray construction debris, w. sand. Some brick, loose.	3					Slightly moist. No odor/stain. *sample GL_SB-9A_3.5-4 collected
	orange/red from silt.						Moist. No odor/stain.
	M sand, brown. Very loose, w. varying dist. of size gravel derived from rock frags, trace slag. Some orange frags (rock). 18".	4					Slightly moist. No odor/stain.
2	no recovery 5-5.3' bgs	5					
	Construction debris, M sand w. some silt. Brick, construction debris, pottery, Loose.	6			5.6/60		Slightly moist. No odor/stain.
	Same as above, w. fly ash (probable)	7					Slight moist. No odor/stain
	Yellowish brown; F sand/silt, prob from gravel, some possible slag. 12".	8					No odor/stain
	Brownish gray M sand matrix, loose, flakes of fly ash w. assorted gravel.	9					Slightly moist. *sample GL_SB-9A_9.5-10 collected.
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GL-SB-9B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

Run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt and gravel, loose, 8"						Max PID=0.0 ppm from 0-10', every 6" interval.
	Dark gray asphalt 4".	1					No odor/stain.
	Red/pink refractory brick (crushed) 7".						No odor/stain.
1	Red brown construction debris (brick, concrete), pebble size concrete w. sand. Mostly dark gray at base, reddish brown at top. 11", Fill.	2			60/60		No odor/stain.
	Milled asphalt.	3					No odor/stain
	C gravel - road ballast (?).						No odor/stain.
	Brown moist gravel (large/coarse) in M sand, a travel.	4					Moist. No odor/stain
	M sand, loose, dk brown, w. gravel concrete.						Moist. No odor/stain
	Same as above.	5					Moist. No odor/stain
2	Gneiss/granite rock frags w. M gravel mottled brown and little gray. M sand. 23". Med loose - Med dense.	6			65/60		No odor/stain. wet.
	Red brown crushed brick. 4"	7					No odor/stain
	Loose M coarse sand size cinders, some large gravel pieces. 11".	8					Slightly moist. No odor/stain
	Gray to dark gray med. dense. F to M sand + sand size cinders w. suspended F gravel.	9					Slight moist. No odor/stain.
	Silty clay - light to med brown non-plastic (expansion)	10					Moist to wet. No odor/stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GLSB-10A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229 002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Ben)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Solid mass of red mortar or refractory material. 16". Fill.	1					Max PID = 0.0ppm from 0-10' every 6" interval. No odor/stain.
	Milled asphalt, mostly m sand, loose. Dark gray. Larger frags w. depth. 80". Fill.	2			46/60		Slightly moist. No odor/stain
1	Silt and f sand, med loose to med dense, brown w. gray blotches. Fill	3 3.8					Slightly moist. No odor/stain.
	no recovery 3.8 to 5' bgs	4 5					
	no recovery 5 to 6' bgs	6					
	Silt and f sand, med loose to med dense, brown w. gray blotches, rock frag, large to med gravel. 12"	7			48/60		Slightly moist. No odor/stain.
2	crushed red brick material						No odor/stain
	Disintegrated gravel w. c sand, dark gray to gray, cinders, silt aggregates, loose, c sand.	8					Moist. No odor/stain
	Firm silt, dark gray w. gravel and rock frags w more sand at base. Cinder & possibly fly ash.	9					Moist to wet. No odor/stain.
	END OF BORING.	10 11 12 13 14					

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LOG OF BORING GI-SB-10B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

PID	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt and road bed.						Max PID = 0.0 ppm from 0-10', every 6" interval.
	Milled asphalt and wood frags						Hint of smoky aroma.
	Construction debris, mortar, concrete pieces; loose silty moist gray, F sand. Trace wood. Fill. 20"	1					No stain / odor. Moist.
		2			1de		
1	Shredded wood material.				60		Salty sea / fish aroma.
	Dark gray wood cut to size, mortar and brick frags.	3					No stain / odor
	Dk gray cinder, F to M sand, loose.						Slightly moist. No odor / stain
	Wood cut to size of core. Solvent aroma.						Solvent aroma
		4					* PID = 18.3 ppm *
	F sand and silt, M gray, rock frags, large gravel. Fill. 14"						Slightly moist. No odor / stain
		5					* Sample GI-SB-10B-4-4.5 collected
	~~Stiff, (expansion) w. brown silt + dk gray coal~~						No odor / stain.
	Mix of sand and silt, concrete aggregate cobbles / gravel, possibly F ground slag, other finer gravel size	6					
2	material. Fill. 36".	7					
		8			60		
	Firm to hard silty clay, med plastic, 15".				60		Moist. No odor / stain
		9					
	Coarse gravel mottled light to dark gray, loose, some F gravel.						Wet. No odor / stain
		10					* Sample GI-SB-10B-9.5-10 collected.
	END OF BORING						
		11					
		12					
		13					
		14					

ATTACHMENT B

PROPOSED CSO

BORING LOGS

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LOG OF BORING CSO SB-1A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES	DIST. / UNDIST. / CORE
CASING	4" ID	WATER LEVEL	FIRST / COMPL. / 24 HR.
CASING HAMMER	WEIGHT / DROP	FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER	WEIGHT / DROP		

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Dark gray silty F-C SAND (SP-SM); little coal fragments; trace concrete fragments; FILL; 24".	1					max PID = 0.5 ppm moist no odor/staining SAMPLE CSO-SB-1A-0-0.5 collected.
	Yellowish orange SILT (ML); trace F-M sand; trace brick fragments; trace cobbles; FILL; 24".	2, 3					max PID = 0.0 ppm dry no odor / staining
1	Olive gray silty F-M SAND (SP-SM); trace gravel; trace treated wood frag; FILL; 12".	4, 5			60/120		max PID = 0.0 ppm moist no odor / staining
	No recovery 5-10' bgs	6, 7, 8, 9					
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-1B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light gray F-C SAND (SP) and pulverized concrete fragments; FILL; 24".	1					max PID = 0.0 ppm dry no odor/staining
	Dark gray gravelly F-C SAND (SP); few coal fragments; trace concrete fragments; trace slag fragments; trace metal; FILL; 18".	2, 3, 3.5					max PID = 0.0 ppm dry no odor/staining
1	Yellowish orange SILT (ML); trace F-M sand; trace brick fragments; FILL; 24".	4, 5, 5.5			72/120		max PID = 0.0 ppm dry no odor/staining
	Yellowish orange SILT (ML); trace F-M sand; few slag fragments; trace coal fragments; FILL; 6".	6					max PID = 0.0 ppm; dry; no odor/staining.
	No recovery 6-10' bgs	7, 8, 9					
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-2A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light gray F-C SAND (SP) and pulverized concrete fragments; FILL; 6".	0.5					max PID = 0.0ppm; dry; no odor/staining
	Dark gray F-C SAND (SP); some coal fragments; little concrete fragments; trace brick fragments; FILL; 18".	1					max PID = 0.0 ppm dry no odor/staining
1	Concrete fragments; 6".	2 / 2.5			60/60		
	Dark gray F-C SAND (SP); some coal ash and coal fragments; little treated wood fragments; trace brick fragments; FILL; 30".	3 / 4					max PID = 0.0 ppm dry no odor/staining
		5					
	No recovery 5-7' bgs	6					
2	Light gray F-C SAND (SP); some concrete fragments; trace brick fragments; FILL; 12".	7			36/60		max PID = 50 ppm dry no odor/staining
	Light brown/greenish gray mottled CLAY (CL); trace slag fragments; trace concrete fragments; FILL; 12".	8					max PID = 200 ppm dry no odor/staining
	Light brown/dark gray mottled F-C SAND (SP); some slag fragments; trace coal fragments; trace brick frag; FILL; 12".	9					max PID = 35 ppm moist no odor/staining
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING CSO SB-2B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Light gray F-C SAND (SP); few concrete fragments; trace brick fragments; FILL; 18".	1 / 1.5					max PID = 0.0ppm dry no odor/staining
	Dark gray F-C SAND (SP); little concrete fragments; trace brick fragments; trace wood fragments; 4" lens of solid brick @ 24"-28"; FILL; 18".	2			36/60		max PID = 500ppm dry no odor/staining
	No recovery 3-5' bgs	3 / 4					
2	Dark gray F-C SAND (SP); some slag fragments; trace ash; FILL; 12".	5					max PID = 1000ppm dry no odor/staining sample CSO-SB-2B-5-5.5' collected.
	Brick fragments; FILL; 12".	6					
	Dark brown gravelly F-M SAND (SP); trace cobbles; FILL; 12".	7			60/60		max PID = 25ppm dry no odor/staining
	Yellowish orange SILT (ML); trace F-M sand; trace gravel; trace cobbles; 24".	8 / 9					max PID = 6ppm dry no odor/staining
	END OF BORING	10 / 11 / 12 / 13 / 14					

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LOG OF BORING CSO SB-3A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Concrete; 6".	0.5					
	Light brown F-C SAND (SP); some brick frag; FILL; 6".	1					max PID = 0.0ppm; dry; no odor/staining
	Light gray F-C SAND (SP); some concrete fragments; trace brick fragments; FILL; 12".	2					max PID = 3.0ppm dry no odor/staining
	No recovery 2-5' bgs	3 4			24/60		
2	No recovery 5-6' bgs	5					
	Creosote-treated wood lens; 6".	6 6.5					
	Dark gray F-C SAND (SP); some coal ash and coal fragments; little slag fragments; trace gravel; FILL; 12".	7 7.5			48/60		max PID = 180 ppm dry no odor/staining
	Light brown/light gray mottled silty F SAND (SM); trace gravel; FILL; 12".	8 8.5					max PID = 50 ppm dry no odor/staining
	F-C SLAG fragments; some F-C sand; little coal ash and coal fragments; FILL; 18".	9					max PID = 1000 ppm dry no odor/staining. sample CSO-SB-3A-8.5-9 collected.
	END OF BORING	10 11 12 13 14					

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LOG OF BORING CSO SB-3B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light gray F-C SAND (SP); little concrete fragments; little brick fragments; FILL; 18"	1 / 1.5					max PID = 0.0ppm dry no odor/staining
	Concrete/brick fragments; FILL; 6"	2					max PID = 0.0ppm
1	Dark gray F-C SAND (SP); some coal ash and coal fragments; trace concrete fragments; FILL; 24"	3			48/60		max PID = 6ppm dry no odor/staining
	No recovery 4-5' bgs	4 / 5					
	No recovery 5-7' bgs	6					
2	Dark gray F-C SAND (SP); some coal ash and coal fragments; little slag fragments; trace treated wood fragments; 2" lens of brick from 108"-110"; FILL; 36".	7 / 8 / 9			36/60		max PID = 15ppm dry no odor/staining
	END OF BORING	10 / 11 / 12 / 13 / 14					

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LOG OF BORING CSO SB-4A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Concrete fragments; little dark gray F-C sand; trace brick fragments; FILL; 12".	1					max PID = 1.5 ppm moist no odor/staining
	Dark gray F-C SAND (SP); trace brick and concrete fragments; FILL; 12".	2					max PID = 70 ppm moist no odor/staining
	Light gray F-C SAND (SP); some brick fragments; little concrete frag; 3" lens of wood fragments @ 45"-48"; FILL; 24".	3			60/60		max PID = 1000 ppm moist no staining organic odor present on wood lens.
	Dark gray F-C SAND (SP); some coal ash and coal fragments; trace slag; FILL; 12".	4					max PID = 950 ppm dry no odor/staining
2	Dark brown silty F-C SAND (SP); trace brick fragments; trace coal fragments; FILL; 48".	5, 6, 7, 8			60/60		max PID = 500 ppm moist no odor/staining
	Greenish gray SILT (ML); trace F sand; 12".	9					max PID = 25 ppm moist no odor/staining
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-4B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft		
SAMPLER HAMMER / WEIGHT / DROP		INSPECTOR	GREGORY WYKA

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F-C SAND (SP); little concrete and brick fragments; trace coal ash and cinders; FILL; 12".	1					max PID = 0.0 ppm dry no odors/staining
	Light brown F-C SAND (SP); little brick fragments; trace concrete fragments; FILL; 18".	2					max PID = 0.0 ppm dry no odors/staining
	Light brown F SAND (SP); trace treated wood, brick and slag fragments; FILL; 12".	2.5 / 3			54/60		max PID = 11 ppm dry no odors/staining
	F-C COAL fragments; trace coal ash and cinders; trace concrete fragments; FILL; 6".	3.5					max PID = 0.5 ppm; dry; no odor/staining
	Light brown/light gray mottled F SAND (SW); FILL; 6".	4 / 4.5					max PID = 35 ppm; dry; no odor/staining
	No recovery 4.5-5' bgs	5					
2	No recovery 5-6' bgs	6					
	Light gray F-C SAND (SP); little brick fragments; FILL; 6".	6.5					max PID = 11 ppm; moist; no odor/staining
	Light brown F-C SAND (SP); some coarse slag fragments; few ash; FILL; 18".	7			48/60		max PID = 1400 ppm dry no odor/staining Sample CSO-SB-4B-5.5-6.0 collected from 6.5-7' bgs. Sample ID is incorrect.
	Light brown/dark gray mottled F-C SAND (SP); little slag fragments; trace coal fragments; trace treated wood fragments; FILL; 24".	8 / 9					max PID = 10 ppm dry no odor/staining
	END OF BORING	10 / 11 / 12 / 13 / 14					

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LOG OF BORING CSO SB-5A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F-C SAND (SP); little concrete and brick fragments; trace coal fragments; trace glass fragments; FILL; 48".	1, 2, 3			48/60		max PID = 450 ppm; moist; no odor/staining
	No recovery 4-5' bgs	4, 5					
2	No recovery 5-6' bgs	6					
	Concrete / brick fragments; 6".						
	6" lens of solid creosote-treated wood	7			48/60		
	Dark gray silty SAND (SP); little coal ash and coal fragments; trace creosote-treated wood fragments; FILL; 6".	7.5					max PID = 20 ppm; moist; no odors/staining.
	Yellowish orange SILT (ML); trace F sand; FILL; 6".	8					max PID = 900 ppm; dry; no odors/staining; sample CSO SB-5A. 7.5-8 collected
	Greenish gray SILT (ML); trace F sand; trace creosote-treated wood fragments; FILL; 24".	9					max PID = 100 ppm; moist; no odor/staining
	END OF BORING	10, 11, 12, 13, 14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING CSO SB-5B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Light gray F-C SAND (SP); little concrete and brick fragments; trace creosote-treated wood fragments; FILL; 36".	1, 2			60/60		max PID = 670 ppm; moist; no odor/staining
	Dark brown F-C SAND (SP); little slag fragments; trace brick and creosote-treated wood fragments; 4" lens of solid creosote-treated wood @ 56"-60"; FILL; 24".	3, 4					max PID = 200 ppm; dry; no odor/staining
2	No recovery 5-5.5' bgs	5, 5.5					
	Light gray F-C SAND (SP); little brick fragments; 2" creosote-treated wood lens @ 72"-74" and 76"-78"; 4" creosote-treated wood lens @ 80"-84"; FILL; 24".	6, 7, 7.5			54/60		max PID = 300 ppm; moist; no odor/staining
	Yellowish orange/dark brown mottled SILT (ML); trace slag fragments; FILL; 6".						max PID = 2 ppm; dry; no odor/staining
	Light gray SILT (ML); trace slag fragments; FILL; 6".	8, 8.5					max PID = 100 ppm; dry; no odor/staining
	Light gray F-C SAND (SP); some slag fragments; little brick fragments; trace creosote-treated wood fragments; trace cobbles and gravel; FILL; 18".	9					max PID = 100 ppm; moist; no odors/staining
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-6A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES: DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL: FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F-C SAND (SP); little concrete and brick fragments; trace coal frag; FILL; 36".	1, 2			48/60		max PID = 1000 ppm dry no odor / staining
	Dark brown F-C SAND (SP); trace coal, brick, concrete, slag and root fragments; FILL; 12".	3, 4					max PID = 1000 ppm moist no odor / staining sample CSO_SB-6A_3.5-4 collected.
	No recovery 4-5' bgs	5					
2	No recovery 5-7' bgs	6					
	Dark gray F-C SAND (SP); little slag fragments; trace brick fragments; trace concrete fragments; FILL; 18".	7, 8			36/60		max PID = 450 ppm moist no odor / staining
	Yellowish orange SILT (ML); trace F sand; FILL; 6".	8.5					max PID = 50 ppm; moist; no odor / staining
	Dark gray F-C SAND (SP); little slag fragments; trace brick fragments; trace cobbles; FILL; 12".	9					max PID = 150 ppm moist no odor / staining
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-6B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Concrete and brick fragments; FILL; 48".	1, 2, 3			48/60		max PID = 16 ppm dry no odors / staining
	No recovery 4-5' bgs	4, 5					
2	Light brown silty F-C SAND (SP); little brick and concrete frag; FILL; 48".	6, 7, 8			60/60		max PID = 1.5 ppm moist no odors / staining
	Light gray silty F-M SAND (SP); trace slag frag; trace porcelain frag; FILL; 12".	9, 10					max PID = 11 ppm moist no odors / staining
	END OF BORING	11, 12, 13, 14					

ATTACHMENT C

BUILDING G1

GROUNDWATER SAMPLING LOGS

MONITORING WELL SAMPLING FORM

Site: Greenpoint Landing	**Well ID:**	GB-12 (OW)	**Job No.**	170229002	
Date: 9/19/2013	**Weather:**	Clear Mid 70's	**Sampling Personnel:**	G. Wyka / S.Harrison	

Well Information

Sample ID	GB-12 (OW)
Well Depth (ft)	Unknown
Screened Interval (ft)	Unknown
Casing Elevation (msl)	-
Casing Diameter (in)	2
Depth to Water (ft)	8.14
Water Elevation (msl)	-
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (l/m; gpm)	~500 mL/min
Start Purge Time	1153
End Purge Time	1305
Volume Purged (gal)	15

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	1310
End Sampling Time	1330
Depth Before Sampling (ft)	8.12
Number Bottles Collected	Multiple

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
11:53 AM	6.42	4.186	447.6	20.22	20.22	-100.00	8.14	
11:58 AM	6.41	4.308	407.8	19.99	19.99	-105.80	8.14	
12:03 PM	6.43	4.392	344.8	19.97	19.97	-108.40	8.13	
12:08 PM	6.40	4.400	38.2	20.08	20.08	-105.40	8.14	
12:13 PM	6.39	4.453	40.1	19.98	19.98	-106.10	8.13	
12:18 PM	6.40	4.617	9.1	20.41	20.41	-106.80	8.11	
12:25 PM	6.41	4.534	21.6	20.82	20.82	-104.70	8.11	
12:30 PM	6.43	4.504	27.5	21.06	21.06	-103.60	8.12	
12:35 PM	6.41	4.456	21	21.11	21.11	-104.80	8.13	
12:40 PM	6.43	4.471	11.5	21.48	21.48	-105.20	8.12	
12:45 PM	6.41	4.347	14	21.29	21.29	-102.40	8.12	
12:50 PM	6.40	4.563	7.3	19.93	19.93	-103.80	8.14	
12:55 PM	6.39	4.603	3.4	19.77	19.77	-105.00	8.12	
1:00 PM	6.39	4.606	2.8	19.81	19.81	-105.80	8.12	
1:05 PM	6.40	4.494	2.1	19.98	19.98	-103.10	8.12	

Notes/Remarks

1. Samples analyzed for NYCDEP Sewer Discharge Parameters and NYSDEC SPDES Dewatering Parameters

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

ATTACHMENT D

LABORATORY ANALYTICAL DATA REPORTS (SOIL)

ANALYTICAL REPORT

Lab Number:	L1318001
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318001-01	G2_SB-02A_1.0-1.5	BROOKLYN, NY	09/12/13 09:00
L1318001-02	G2_COMP-02_0-5	BROOKLYN, NY	09/12/13 09:00
L1318001-03	G2_SB-03A_4.5-5	BROOKLYN, NY	09/12/13 11:00
L1318001-04	G2_COMP-03_0-5	BROOKLYN, NY	09/12/13 11:00
L1318001-05	G2_DUP	BROOKLYN, NY	09/12/13 00:00
L1318001-06	G2_COMP-DUP	BROOKLYN, NY	09/12/13 00:00
L1318001-07	FB01_091213	BROOKLYN, NY	09/12/13 11:45
L1318001-08	TB01_091213	BROOKLYN, NY	09/12/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318001
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG636053-2/-3 LCS/LCSD recoveries, associated with L1318001-07, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

The WG636111-2/-3 LCS/LCSD recoveries, associated with L1318001-02, -04, and -06, are above the acceptance criteria for 1,2,4-trichlorobenzene (LCS at 109%), 2,4-dinitrotoluene (136%/137%), 2-nitroaniline (135%/136%), p-chloro-m-cresol (132%/130%), 2-chlorophenol (112%/104%), 4-nitrophenol (132%/138%), and phenol (112%/104%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

PCBs

L1318001-07 has elevated detection limits due to limited sample volume available for analysis.

Pesticides

L1318001-02, -04, and -06 have elevated detection limits due to the dilutions required by the sample matrices.

Due to a laboratory oversight, the WG636605-1 Method Blank, associated with L1318001-07, was spiked with spike solution and is not reported. The associated sample is non-detect with acceptable surrogate recoveries.

Herbicides

The WG635979-2 LCS recovery, associated with L1318001-02, -04, and -06, is above the acceptance criteria for 2,4-d (155%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Metals

L1318001-02, -04, and -06 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

Chromium, Hexavalent

L1318001-07 was analyzed with the method required holding time exceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-01	Date Collected:	09/12/13 09:00
Client ID:	G2_SB-02A_1.0-1.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 23:25		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.16	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	0.85	J	ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-01 Date Collected: 09/12/13 09:00

Client ID: G2_SB-02A_1.0-1.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.20	1
Acetone	55		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	7.0	J	ug/kg	9.3	0.33	1
Vinyl acetate	ND		ug/kg	9.3	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
2-Hexanone	ND		ug/kg	9.3	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.3	0.22	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.71	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	93	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-01	Date Collected:	09/12/13 09:00
Client ID:	G2_SB-02A_1.0-1.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	0.33	J	ug/kg	4.6	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.42	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-03	Date Collected:	09/12/13 11:00
Client ID:	G2_SB-03A_4.5-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:27		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.17	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Bromodichloromethane	ND		ug/kg	0.98	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.44	1
Bromoform	ND		ug/kg	3.9	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.17	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	0.17	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	4.9	0.76	1
Bromomethane	0.33	J	ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-03 Date Collected: 09/12/13 11:00

Client ID: G2_SB-03A_4.5-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.31	1
o-Xylene	ND		ug/kg	2.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.14	1
Dibromomethane	ND		ug/kg	9.8	0.16	1
Styrene	ND		ug/kg	2.0	0.30	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.21	1
Acetone	9.1	J	ug/kg	9.8	3.0	1
Carbon disulfide	ND		ug/kg	9.8	2.0	1
2-Butanone	1.4	J	ug/kg	9.8	0.35	1
Vinyl acetate	ND		ug/kg	9.8	0.47	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.22	1
2-Hexanone	ND		ug/kg	9.8	0.18	1
Bromochloromethane	ND		ug/kg	4.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.20	1
n-Butylbenzene	ND		ug/kg	0.98	0.19	1
sec-Butylbenzene	ND		ug/kg	0.98	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.77	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.41	1
Isopropylbenzene	ND		ug/kg	0.98	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.19	1
Naphthalene	1.5	J	ug/kg	4.9	0.75	1
Acrylonitrile	ND		ug/kg	9.8	0.23	1
n-Propylbenzene	ND		ug/kg	0.98	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.77	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.56	1
Methyl Acetate	ND		ug/kg	20	0.74	1
Cyclohexane	ND		ug/kg	20	1.0	1
1,4-Dioxane	ND		ug/kg	98	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-03	Date Collected:	09/12/13 11:00
Client ID:	G2_SB-03A_4.5-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	3.9	0.16	1
p-Ethyltoluene	ND		ug/kg	3.9	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.44	1
Methyl cyclohexane	ND		ug/kg	3.9	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-05	Date Collected:	09/12/13 00:00
Client ID:	G2_DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 23:59		
Analyst:	PP		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.46	1
Bromoform	ND		ug/kg	4.1	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Bromomethane	0.97	J	ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05 Date Collected: 09/12/13 00:00

Client ID: G2_DUP Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	16		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	2.2	J	ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.1	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.80	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	21		ug/kg	5.1	0.78	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.80	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.58	1
Methyl Acetate	ND		ug/kg	20	0.78	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05 Date Collected: 09/12/13 00:00

Client ID: G2_DUP Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.46	1
Methyl cyclohexane	ND		ug/kg	4.1	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:11		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07 Date Collected: 09/12/13 11:45

Client ID: FB01_091213 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-08	Date Collected:	09/12/13 00:00
Client ID:	TB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:49		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-08 Date Collected: 09/12/13 00:00

Client ID: TB01_091213 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-08	Date Collected:	09/12/13 00:00
Client ID:	TB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
Methylene chloride	2.4	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.86	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.3	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
Methylene chloride	110		105		70-130	5		30
1,1-Dichloroethane	102		96		70-130	6		30
Chloroform	100		95		70-130	5		30
Carbon tetrachloride	98		90		70-130	9		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	114		108		70-130	5		30
1,1,2-Trichloroethane	112		104		70-130	7		30
Tetrachloroethene	101		92		70-130	9		30
Chlorobenzene	105		100		70-130	5		30
Trichlorofluoromethane	90		80		70-139	12		30
1,2-Dichloroethane	99		95		70-130	4		30
1,1,1-Trichloroethane	100		95		70-130	5		30
Bromodichloromethane	105		100		70-130	5		30
trans-1,3-Dichloropropene	89		83		70-130	7		30
cis-1,3-Dichloropropene	92		87		70-130	6		30
1,1-Dichloropropene	97		89		70-130	9		30
Bromoform	106		100		70-130	6		30
1,1,2,2-Tetrachloroethane	118		111		70-130	6		30
Benzene	103		97		70-130	6		30
Toluene	101		95		70-130	6		30
Ethylbenzene	106		101		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
Chloromethane	107		97		52-130	10		30
Bromomethane	110		103		57-147	7		30
Vinyl chloride	110		99		67-130	11		30
Chloroethane	110		100		50-151	10		30
1,1-Dichloroethene	100		93		65-135	7		30
trans-1,2-Dichloroethene	100		94		70-130	6		30
Trichloroethene	98		92		70-130	6		30
1,2-Dichlorobenzene	109		105		70-130	4		30
1,3-Dichlorobenzene	109		105		70-130	4		30
1,4-Dichlorobenzene	108		105		70-130	3		30
Methyl tert butyl ether	84		80		66-130	5		30
p/m-Xylene	106		99		70-130	7		30
o-Xylene	106		100		70-130	6		30
cis-1,2-Dichloroethene	102		98		70-130	4		30
Dibromomethane	99		95		70-130	4		30
Styrene	111		107		70-130	4		30
Dichlorodifluoromethane	69		62		30-146	11		30
Acetone	**148**	Q	106		54-140	**33**	Q	30
Carbon disulfide	95		86		59-130	10		30
2-Butanone	114		87		70-130	27		30
Vinyl acetate	101		98		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
4-Methyl-2-pentanone	99		93		70-130	6		30
1,2,3-Trichloropropane	112		105		68-130	6		30
2-Hexanone	112		94		70-130	17		30
Bromochloromethane	100		97		70-130	3		30
2,2-Dichloropropane	84		80		70-130	5		30
1,2-Dibromoethane	115		106		70-130	8		30
1,3-Dichloropropane	108		100		69-130	8		30
1,1,1,2-Tetrachloroethane	103		97		70-130	6		30
Bromobenzene	106		103		70-130	3		30
n-Butylbenzene	111		104		70-130	7		30
sec-Butylbenzene	110		104		70-130	6		30
tert-Butylbenzene	106		100		70-130	6		30
o-Chlorotoluene	110		106		70-130	4		30
p-Chlorotoluene	108		105		70-130	3		30
1,2-Dibromo-3-chloropropane	104		96		68-130	8		30
Hexachlorobutadiene	94		88		67-130	7		30
Isopropylbenzene	105		98		70-130	7		30
p-Isopropyltoluene	107		101		70-130	6		30
Naphthalene	101		101		70-130	0		30
Acrylonitrile	112		101		70-130	10		30
Isopropyl Ether	100		96		66-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
tert-Butyl Alcohol	103		98		70-130	5		30
n-Propylbenzene	110		106		70-130	4		30
1,2,3-Trichlorobenzene	105		103		70-130	2		30
1,2,4-Trichlorobenzene	105		102		70-130	3		30
1,3,5-Trimethylbenzene	108		103		70-130	5		30
1,2,4-Trimethylbenzene	108		103		70-130	5		30
Methyl Acetate	113		93		51-146	19		30
Ethyl Acetate	112		105		70-130	6		30
Acrolein	108		97		70-130	11		30
Cyclohexane	96		87		59-142	10		30
1,4-Dioxane	113		106		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		88		50-139	11		30
1,4-Diethylbenzene	108		103		70-130	5		30
4-Ethyltoluene	110		104		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		100		70-130	4		30
Tetrahydrofuran	107		98		66-130	9		30
Ethyl ether	103		97		67-130	6		30
trans-1,4-Dichloro-2-butene	112		99		70-130	12		30
Methyl cyclohexane	97		90		70-130	7		30
Ethyl-Tert-Butyl-Ether	99		97		70-130	2		30
Tertiary-Amyl Methyl Ether	**60**	Q	**60**	Q	70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		95		70-130
Toluene-d8	103		100		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	110		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Methylene chloride	96		100		70-130	4		20
1,1-Dichloroethane	87		93		70-130	7		20
Chloroform	83		89		70-130	7		20
Carbon tetrachloride	73		83		63-132	13		20
1,2-Dichloropropane	92		96		70-130	4		20
Dibromochloromethane	89		96		63-130	8		20
1,1,2-Trichloroethane	102		103		70-130	1		20
Tetrachloroethene	88		93		70-130	6		20
Chlorobenzene	91		96		75-130	5		20
Trichlorofluoromethane	80		88		62-150	10		20
1,2-Dichloroethane	82		87		70-130	6		20
1,1,1-Trichloroethane	75		84		67-130	11		20
Bromodichloromethane	81		89		67-130	9		20
trans-1,3-Dichloropropene	80		87		70-130	8		20
cis-1,3-Dichloropropene	89		95		70-130	7		20
1,1-Dichloropropene	90		98		70-130	9		20
Bromoform	88		100		54-136	13		20
1,1,2,2-Tetrachloroethane	110		114		67-130	4		20
Benzene	92		98		70-130	6		20
Toluene	92		96		70-130	4		20
Ethylbenzene	88		93		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Chloromethane	95		101		64-130	6		20
Bromomethane	83		95		39-139	13		20
Vinyl chloride	97		104		55-140	7		20
Chloroethane	94		100		55-138	6		20
1,1-Dichloroethene	90		97		61-145	7		20
trans-1,2-Dichloroethene	92		99		70-130	7		20
Trichloroethene	84		88		70-130	5		20
1,2-Dichlorobenzene	96		102		70-130	6		20
1,3-Dichlorobenzene	94		98		70-130	4		20
1,4-Dichlorobenzene	91		98		70-130	7		20
Methyl tert butyl ether	105		108		63-130	3		20
p/m-Xylene	91		95		70-130	4		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	98		102		70-130	4		20
Dibromomethane	91		97		70-130	6		20
1,2,3-Trichloropropane	105		106		64-130	1		20
Acrylonitrile	111		110		70-130	1		20
Isopropyl Ether	101		104		70-130	3		20
tert-Butyl Alcohol	123		125		70-130	2		20
Styrene	96		101		70-130	5		20
Dichlorodifluoromethane	114		123		36-147	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Acetone	126		**152**	Q	58-148	19		20
Carbon disulfide	97		106		51-130	9		20
2-Butanone	116		129		63-138	11		20
Vinyl acetate	95		96		70-130	1		20
4-Methyl-2-pentanone	105		107		59-130	2		20
2-Hexanone	113		117		57-130	3		20
Bromochloromethane	97		101		70-130	4		20
2,2-Dichloropropane	79		85		63-133	7		20
1,2-Dibromoethane	98		102		70-130	4		20
1,3-Dichloropropane	99		102		70-130	3		20
1,1,1,2-Tetrachloroethane	89		97		64-130	9		20
Bromobenzene	96		100		70-130	4		20
n-Butylbenzene	94		100		53-136	6		20
sec-Butylbenzene	98		104		70-130	6		20
tert-Butylbenzene	97		104		70-130	7		20
o-Chlorotoluene	92		97		70-130	5		20
p-Chlorotoluene	92		97		70-130	5		20
1,2-Dibromo-3-chloropropane	93		103		41-144	10		20
Hexachlorobutadiene	100		106		63-130	6		20
Isopropylbenzene	92		99		70-130	7		20
p-Isopropyltoluene	91		97		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Naphthalene	109		114		70-130	4		20
n-Propylbenzene	94		101		69-130	7		20
1,2,3-Trichlorobenzene	106		112		70-130	6		20
1,2,4-Trichlorobenzene	98		104		70-130	6		20
1,3,5-Trimethylbenzene	94		100		64-130	6		20
1,2,4-Trimethylbenzene	95		100		70-130	5		20
Methyl Acetate	109		111		70-130	2		20
Ethyl Acetate	110		118		70-130	7		20
Cyclohexane	101		108		70-130	7		20
Ethyl-Tert-Butyl-Ether	101		104		70-130	3		20
Tertiary-Amyl Methyl Ether	100		104		66-130	4		20
1,4-Dioxane	116		126		56-162	8		20
Freon-113	94		100		70-130	6		20
p-Diethylbenzene	94		102		70-130	8		20
p-Ethyltoluene	95		101		70-130	6		20
1,2,4,5-Tetramethylbenzene	98		102		70-130	4		20
Ethyl ether	105		110		59-134	5		20
trans-1,4-Dichloro-2-butene	90		91		70-130	1		20
Iodomethane	78		85		70-130	9		20
Methyl cyclohexane	100		107		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	91		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
Methylene chloride	113		124		70-130	9		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	112		117		70-130	4		30
1,1,2-Trichloroethane	108		113		70-130	5		30
Tetrachloroethene	102		102		70-130	0		30
Chlorobenzene	106		109		70-130	3		30
Trichlorofluoromethane	87		94		70-139	8		30
1,2-Dichloroethane	99		104		70-130	5		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	86		89		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	113		122		70-130	8		30
Benzene	106		106		70-130	0		30
Toluene	102		103		70-130	1		30
Ethylbenzene	109		110		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
Chloromethane	125		126		52-130	1		30
Bromomethane	126		126		57-147	0		30
Vinyl chloride	128		127		67-130	1		30
Chloroethane	107		106		50-151	1		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	107		111		70-130	4		30
1,4-Dichlorobenzene	108		112		70-130	4		30
Methyl tert butyl ether	83		85		66-130	2		30
p/m-Xylene	108		109		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		104		70-130	7		30
Styrene	111		115		70-130	4		30
Dichlorodifluoromethane	84		95		30-146	12		30
Acetone	119		131		54-140	10		30
Carbon disulfide	104		102		59-130	2		30
2-Butanone	101		108		70-130	7		30
Vinyl acetate	101		107		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
4-Methyl-2-pentanone	101		108		70-130	7		30
1,2,3-Trichloropropane	108		116		68-130	7		30
2-Hexanone	106		116		70-130	9		30
Bromochloromethane	100		106		70-130	6		30
2,2-Dichloropropane	87		84		70-130	4		30
1,2-Dibromoethane	111		118		70-130	6		30
1,3-Dichloropropane	103		109		69-130	6		30
1,1,1,2-Tetrachloroethane	103		106		70-130	3		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	110		111		70-130	1		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	107		107		70-130	0		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	109		111		70-130	2		30
1,2-Dibromo-3-chloropropane	99		108		68-130	9		30
Hexachlorobutadiene	92		95		67-130	3		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	103		111		70-130	7		30
Acrylonitrile	104		116		70-130	11		30
Isopropyl Ether	101		104		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	110		112		70-130	2		30
1,2,3-Trichlorobenzene	105		111		70-130	6		30
1,2,4-Trichlorobenzene	103		107		70-130	4		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	106		109		70-130	3		30
Methyl Acetate	105		116		51-146	10		30
Ethyl Acetate	111		120		70-130	8		30
Acrolein	99		109		70-130	10		30
Cyclohexane	87		97		59-142	11		30
1,4-Dioxane	111		123		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		98		50-139	12		30
1,4-Diethylbenzene	108		109		70-130	1		30
4-Ethyltoluene	110		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		30
Tetrahydrofuran	105		116		66-130	10		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	101		105		70-130	4		30
Methyl cyclohexane	87		97		70-130	11		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30
Tertiary-Amyl Methyl Ether	**62**	Q	**63**	Q	70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	104		103		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/14/13 09:38
Analytical Date:	09/17/13 19:41		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	640		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	6500		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	610		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	160	J	ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	2900		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02 Date Collected: 09/12/13 09:00

Client ID: G2_COMP-02_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3000		ug/kg	140	44.	1
Benzo(b)fluoranthene	3600		ug/kg	110	37.	1
Benzo(k)fluoranthene	1400		ug/kg	110	35.	1
Chrysene	3200		ug/kg	110	36.	1
Acenaphthylene	180		ug/kg	140	34.	1
Anthracene	1300		ug/kg	110	30.	1
Benzo(ghi)perylene	2000		ug/kg	140	38.	1
Fluorene	610		ug/kg	180	52.	1
Phenanthrene	5800		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	460		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	140	40.	1
Pyrene	6000		ug/kg	110	35.	1
Biphenyl	94	J	ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	530		ug/kg	180	61.	1
2-Methylnaphthalene	310		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	250	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	700		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	111		0-136
4-Terphenyl-d14	79		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/14/13 09:38
Analytical Date:	09/18/13 13:02			
Analyst:	JB			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3400		ug/kg	580	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	200	4
2-Chloronaphthalene	ND		ug/kg	730	240	4
1,2-Dichlorobenzene	ND		ug/kg	730	240	4
1,3-Dichlorobenzene	ND		ug/kg	730	230	4
1,4-Dichlorobenzene	ND		ug/kg	730	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	190	4
2,4-Dinitrotoluene	ND		ug/kg	730	160	4
2,6-Dinitrotoluene	ND		ug/kg	730	190	4
Fluoranthene	23000		ug/kg	440	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	730	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	870	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	670	J	ug/kg	730	240	4
Nitrobenzene	ND		ug/kg	660	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	730	220	4
Bis(2-Ethylhexyl)phthalate	360	J	ug/kg	730	190	4
Butyl benzyl phthalate	ND		ug/kg	730	140	4
Di-n-butylphthalate	ND		ug/kg	730	140	4
Di-n-octylphthalate	ND		ug/kg	730	180	4
Diethyl phthalate	ND		ug/kg	730	150	4
Dimethyl phthalate	ND		ug/kg	730	180	4
Benzo(a)anthracene	9100		ug/kg	440	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04 D Date Collected: 09/12/13 11:00

Client ID: G2_COMP-03_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8000		ug/kg	580	180	4
Benzo(b)fluoranthene	9500		ug/kg	440	150	4
Benzo(k)fluoranthene	3600		ug/kg	440	140	4
Chrysene	9500		ug/kg	440	140	4
Acenaphthylene	430	J	ug/kg	580	140	4
Anthracene	5100		ug/kg	440	120	4
Benzo(ghi)perylene	4400		ug/kg	580	150	4
Fluorene	3600		ug/kg	730	210	4
Phenanthrene	24000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1100		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	5100		ug/kg	580	160	4
Pyrene	19000		ug/kg	440	140	4
Biphenyl	ND		ug/kg	1600	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	200	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	2300		ug/kg	730	240	4
2-Methylnaphthalene	450	J	ug/kg	870	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	220	4
Acetophenone	ND		ug/kg	730	220	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	730	210	4
2-Chlorophenol	ND		ug/kg	730	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	730	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3500	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	580	160	4
Phenol	ND		ug/kg	730	220	4
2-Methylphenol	ND		ug/kg	730	230	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	730	240	4
Benzoic Acid	ND		ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	220	4
Carbazole	2100		ug/kg	730	160	4
Benzaldehyde	ND		ug/kg	960	290	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04 D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	730	200	4
Atrazine	ND		ug/kg	580	160	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	730	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	113		0-136
4-Terphenyl-d14	77		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/14/13 09:38
Analytical Date:	09/17/13 20:30			
Analyst:	JB			
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	730		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	8600		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	65.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	420		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	420		ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	3400		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06 D Date Collected: 09/12/13 00:00
Client ID: G2_COMP-DUP Date Received: 09/12/13
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	290	88.	2
Benzo(b)fluoranthene	4200		ug/kg	220	73.	2
Benzo(k)fluoranthene	1500		ug/kg	220	69.	2
Chrysene	3800		ug/kg	220	71.	2
Acenaphthylene	220	J	ug/kg	290	67.	2
Anthracene	1500		ug/kg	220	60.	2
Benzo(ghi)perylene	2100		ug/kg	290	75.	2
Fluorene	720		ug/kg	360	100	2
Phenanthrene	7000		ug/kg	220	70.	2
Dibenzo(a,h)anthracene	460		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	2300		ug/kg	290	80.	2
Pyrene	7600		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	540		ug/kg	360	120	2
2-Methylnaphthalene	240	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	690		ug/kg	360	77.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	78		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	09/13/13 21:35
Analytical Date:	09/18/13 00:38		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Benzaldehyde	ND		ug/l	5.0	0.60	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	92		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	09/13/13 21:33
Analytical Date:	09/16/13 22:48		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	107		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 18:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG636053-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 18:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG636053-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53
Benzaldehyde	ND		ug/l	5.0	0.60
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	1.0
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	90		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/13 20:15
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG636055-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.25	J	ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	0.10	J	ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.26	J	ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/13 20:15
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG636055-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	100		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	105		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	108		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
1,2,4-Trichlorobenzene	84		88		39-98	5		30
Bis(2-chloroethyl)ether	92		95		40-140	3		30
1,2-Dichlorobenzene	85		88		40-140	3		30
1,3-Dichlorobenzene	83		85		40-140	2		30
1,4-Dichlorobenzene	84		87		36-97	4		30
3,3'-Dichlorobenzidine	73		80		40-140	9		30
2,4-Dinitrotoluene	**115**	Q	**117**	Q	24-96	2		30
2,6-Dinitrotoluene	117		115		40-140	2		30
4-Chlorophenyl phenyl ether	103		106		40-140	3		30
4-Bromophenyl phenyl ether	112		111		40-140	1		30
Bis(2-chloroisopropyl)ether	94		95		40-140	1		30
Bis(2-chloroethoxy)methane	99		100		40-140	1		30
Hexachlorocyclopentadiene	61		63		40-140	3		30
Isophorone	108		108		40-140	0		30
Nitrobenzene	101		105		40-140	4		30
NitrosoDiPhenylAmine(NDPA)/DPA	112		114		40-140	2		30
n-Nitrosodi-n-propylamine	111		114		29-132	3		30
Bis(2-Ethylhexyl)phthalate	111		112		40-140	1		30
Butyl benzyl phthalate	133		131		40-140	2		30
Di-n-butylphthalate	128		129		40-140	1		30
Di-n-octylphthalate	119		121		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
Diethyl phthalate	119		119		40-140	0		30
Dimethyl phthalate	111		112		40-140	1		30
Biphenyl	92		96			4		30
4-Chloroaniline	72		67		40-140	7		30
2-Nitroaniline	116		117		52-143	1		30
3-Nitroaniline	77		78		25-145	1		30
4-Nitroaniline	111		109		51-143	2		30
Dibenzofuran	103		106		40-140	3		30
1,2,4,5-Tetrachlorobenzene	94		97		2-134	3		30
Acetophenone	104		107		39-129	3		30
2,4,6-Trichlorophenol	116		113		30-130	3		30
P-Chloro-M-Cresol	**117**	Q	**120**	Q	23-97	3		30
2-Chlorophenol	99		102		27-123	3		30
2,4-Dichlorophenol	106		108		30-130	2		30
2,4-Dimethylphenol	101		103		30-130	2		30
2-Nitrophenol	108		112		30-130	4		30
4-Nitrophenol	70		69		10-80	1		30
2,4-Dinitrophenol	117		126		20-130	7		30
4,6-Dinitro-o-cresol	130		130		20-164	0		30
Phenol	48		51		12-110	6		30
2-Methylphenol	95		98		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
3-Methylphenol/4-Methylphenol	89		90		30-130	1		30
2,4,5-Trichlorophenol	110		110		30-130	0		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	96		100			4		30
Carbazole	114		114		55-144	0		30
Benzaldehyde	80		80			0		30
Caprolactam	40		40			0		30
Atrazine	127		132			4		30
2,3,4,6-Tetrachlorophenol	109		113			4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		68		21-120
Phenol-d6	46		47		10-120
Nitrobenzene-d5	106		107		23-120
2-Fluorobiphenyl	92		94		15-120
2,4,6-Tribromophenol	117		120		10-120
4-Terphenyl-d14	108		108		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG636055-2 WG636055-3								
Acenaphthene	99		98		37-111	1		40
2-Chloronaphthalene	92		88		40-140	4		40
Fluoranthene	132		126		40-140	5		40
Hexachlorobutadiene	76		70		40-140	8		40
Naphthalene	86		83		40-140	4		40
Benzo(a)anthracene	129		118		40-140	9		40
Benzo(a)pyrene	129		118		40-140	9		40
Benzo(b)fluoranthene	128		116		40-140	10		40
Benzo(k)fluoranthene	129		122		40-140	6		40
Chrysene	114		110		40-140	4		40
Acenaphthylene	106		101		40-140	5		40
Anthracene	136		124		40-140	9		40
Benzo(ghi)perylene	117		101		40-140	15		40
Fluorene	103		103		40-140	0		40
Phenanthrene	117		119		40-140	2		40
Dibenzo(a,h)anthracene	123		107		40-140	14		40
Indeno(1,2,3-cd)Pyrene	120		105		40-140	13		40
Pyrene	127		121		26-127	5		40
2-Methylnaphthalene	91		87		40-140	4		40
Pentachlorophenol	87		93		9-103	7		40
Hexachlorobenzene	97		99		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG636055-2 WG636055-3								
Hexachloroethane	83		78		40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		63		21-120
Phenol-d6	42		42		10-120
Nitrobenzene-d5	101		99		23-120
2-Fluorobiphenyl	96		91		15-120
2,4,6-Tribromophenol	**130**	Q	**124**	Q	10-120
4-Terphenyl-d14	132		127		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Acenaphthene	111		112		31-137	1		50
1,2,4-Trichlorobenzene	**109**	Q	103		38-107	6		50
Hexachlorobenzene	123		127		40-140	3		50
Bis(2-chloroethyl)ether	104		98		40-140	6		50
2-Chloronaphthalene	119		114		40-140	4		50
1,2-Dichlorobenzene	104		98		40-140	6		50
1,3-Dichlorobenzene	102		98		40-140	4		50
1,4-Dichlorobenzene	102		98		28-104	4		50
3,3'-Dichlorobenzidine	96		86		40-140	11		50
2,4-Dinitrotoluene	**136**	Q	**137**	Q	28-89	1		50
2,6-Dinitrotoluene	133		130		40-140	2		50
Fluoranthene	122		124		40-140	2		50
4-Chlorophenyl phenyl ether	119		121		40-140	2		50
4-Bromophenyl phenyl ether	126		128		40-140	2		50
Bis(2-chloroisopropyl)ether	101		95		40-140	6		50
Bis(2-chloroethoxy)methane	107		101		40-117	6		50
Hexachlorobutadiene	111		104		40-140	7		50
Hexachlorocyclopentadiene	84		82		40-140	2		50
Hexachloroethane	100		96		40-140	4		50
Isophorone	111		104		40-140	7		50
Naphthalene	108		102		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Nitrobenzene	108		102		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	123		126			2		50
n-Nitrosodi-n-propylamine	110		101		32-121	9		50
Bis(2-Ethylhexyl)phthalate	127		128		40-140	1		50
Butyl benzyl phthalate	126		128		40-140	2		50
Di-n-butylphthalate	123		124		40-140	1		50
Di-n-octylphthalate	130		133		40-140	2		50
Diethyl phthalate	120		121		40-140	1		50
Dimethyl phthalate	119		121		40-140	2		50
Benzo(a)anthracene	117		121		40-140	3		50
Benzo(a)pyrene	123		122		40-140	1		50
Benzo(b)fluoranthene	120		121		40-140	1		50
Benzo(k)fluoranthene	121		122		40-140	1		50
Chrysene	117		121		40-140	3		50
Acenaphthylene	121		118		40-140	3		50
Anthracene	122		125		40-140	2		50
Benzo(ghi)perylene	112		110		40-140	2		50
Fluorene	118		120		40-140	2		50
Phenanthrene	117		118		40-140	1		50
Dibenzo(a,h)anthracene	115		114		40-140	1		50
Indeno(1,2,3-cd)Pyrene	113		112		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Pyrene	122		124		35-142	2		50
Biphenyl	113		112			1		50
4-Chloroaniline	64		56		40-140	13		50
2-Nitroaniline	**135**	Q	**136**	Q	47-134	1		50
3-Nitroaniline	89		80		26-129	11		50
4-Nitroaniline	121		123		41-125	2		50
Dibenzofuran	115		116		40-140	1		50
2-Methylnaphthalene	114		108		40-140	5		50
1,2,4,5-Tetrachlorobenzene	114		112		40-117	2		50
Acetophenone	118		111		14-144	6		50
2,4,6-Trichlorophenol	130		128		30-130	2		50
P-Chloro-M-Cresol	**132**	Q	**130**	Q	26-103	2		50
2-Chlorophenol	**112**	Q	**104**	Q	25-102	7		50
2,4-Dichlorophenol	123		118		30-130	4		50
2,4-Dimethylphenol	126		120		30-130	5		50
2-Nitrophenol	118		111		30-130	6		50
4-Nitrophenol	**132**	Q	**138**	Q	11-114	4		50
2,4-Dinitrophenol	102		107		4-130	5		50
4,6-Dinitro-o-cresol	119		119		10-130	0		50
Pentachlorophenol	107		108		17-109	1		50
Phenol	**112**	Q	**104**	Q	26-90	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
2-Methylphenol	115		109		30-130.	5		50
3-Methylphenol/4-Methylphenol	118		112		30-130	5		50
2,4,5-Trichlorophenol	125		126		30-130	1		50
Benzoic Acid	57		55			4		50
Benzyl Alcohol	112		104		40-140	7		50
Carbazole	120		123		54-128	2		50
Benzaldehyde	82		75			9		50
Caprolactam	126		124			2		50
Atrazine	124		128			3		50
2,3,4,6-Tetrachlorophenol	115		113			2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	111		106		25-120
Phenol-d6	113		107		10-120
Nitrobenzene-d5	103		99		23-120
2-Fluorobiphenyl	116		113		30-120
2,4,6-Tribromophenol	129		135		0-136
4-Terphenyl-d14	107		111		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/14/13 10:39
Analytical Date:	09/16/13 16:36		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	154000		ug/kg	36600	3590	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	48		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 20:24		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	76		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:04		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/14/13 10:39
Analytical Date:	09/18/13 17:17			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1660000		ug/kg	181000	17800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:45		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	85		70-130
4-Bromofluorobenzene	85		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/14/13 10:39
Analytical Date:	09/19/13 06:42			
Analyst:	AR			
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	719000		ug/kg	69600	6820	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	115		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/16/13 10:46
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/14/13 10:39

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,06 Batch: WG636124-1					
TPH	ND		ug/kg	33100	3240

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 15:41
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02,04,06 Batch: WG636620-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	75		70-130
4-Bromofluorobenzene	78		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636124-2								
TPH	87		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	89				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636620-1 WG636620-2								
Gasoline Range Organics	102		102		80-120	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	95		95		70-130
4-Bromofluorobenzene	103		105		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636620-5 QC Sample: L1318031-01 Client ID: MS Sample												
Gasoline Range Organics	ND	24200	22000	90		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84				70-130
4-Bromofluorobenzene	91				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636124-3 QC Sample: L1318096-06 Client ID: DUP Sample						
TPH	18000J	15600J	ug/kg	NC		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		95		40-140

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 12:57	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	7.22	1	A
Aroclor 1221	ND		ug/kg	36.6	11.0	1	A
Aroclor 1232	ND		ug/kg	36.6	7.77	1	A
Aroclor 1242	ND		ug/kg	36.6	6.94	1	A
Aroclor 1248	ND		ug/kg	36.6	4.43	1	A
Aroclor 1254	ND		ug/kg	36.6	5.77	1	A
Aroclor 1260	ND		ug/kg	36.6	6.35	1	A
Aroclor 1262	ND		ug/kg	36.6	2.70	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 13:10	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	7.18	1	A
Aroclor 1221	ND		ug/kg	36.3	11.0	1	A
Aroclor 1232	ND		ug/kg	36.3	7.72	1	A
Aroclor 1242	ND		ug/kg	36.3	6.89	1	A
Aroclor 1248	ND		ug/kg	36.3	4.40	1	A
Aroclor 1254	23.1	J	ug/kg	36.3	5.73	1	B
Aroclor 1260	17.2	J	ug/kg	36.3	6.30	1	B
Aroclor 1262	ND		ug/kg	36.3	2.69	1	A
Aroclor 1268	ND		ug/kg	36.3	5.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 13:24	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	6.99	1	A
Aroclor 1221	ND		ug/kg	35.4	10.7	1	A
Aroclor 1232	ND		ug/kg	35.4	7.52	1	A
Aroclor 1242	ND		ug/kg	35.4	6.72	1	A
Aroclor 1248	ND		ug/kg	35.4	4.28	1	A
Aroclor 1254	19.3	J	ug/kg	35.4	5.58	1	B
Aroclor 1260	9.36	J	ug/kg	35.4	6.14	1	B
Aroclor 1262	ND		ug/kg	35.4	2.62	1	A
Aroclor 1268	ND		ug/kg	35.4	5.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	09/14/13 14:18
Analytical Date:	09/16/13 01:38	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/14/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	**154**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	**161**	Q	30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318001

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/17/13 11:35
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/14/13 13:38
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/15/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG636143-1						
Aroclor 1016	ND		ug/kg	32.2	6.35	A
Aroclor 1221	ND		ug/kg	32.2	9.70	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	6.11	A
Aroclor 1248	ND		ug/kg	32.2	3.89	A
Aroclor 1254	ND		ug/kg	32.2	5.07	A
Aroclor 1260	ND		ug/kg	32.2	5.58	A
Aroclor 1262	ND		ug/kg	32.2	2.38	A
Aroclor 1268	ND		ug/kg	32.2	4.67	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318001

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/16/13 01:51
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 09/14/13 14:18
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG636154-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	149		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	**154**	Q	30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636143-2 WG636143-3									
Aroclor 1016	71		71		40-140	0		50	A
Aroclor 1260	57		61		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		99		30-150	A
Decachlorobiphenyl	81		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		92		30-150	B
Decachlorobiphenyl	97		105		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG636154-2 WG636154-3									
Aroclor 1016	98		93		40-140	6		50	A
Aroclor 1260	135		128		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		87		30-150	A
Decachlorobiphenyl	148		150		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		83		30-150	B
Decachlorobiphenyl	**153**	Q	**153**	Q	30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 17:54	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.3	1	A
2,4,5-T	ND		ug/kg	184	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	95		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	D	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:31		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.48	1.66	5	A
Lindane	ND		ug/kg	3.53	1.58	5	A
Alpha-BHC	ND		ug/kg	3.53	1.00	5	A
Beta-BHC	ND		ug/kg	8.48	3.21	5	A
Heptachlor	ND		ug/kg	4.24	1.90	5	A
Aldrin	ND		ug/kg	8.48	2.98	5	A
Heptachlor epoxide	ND		ug/kg	15.9	4.77	5	A
Endrin	ND		ug/kg	3.53	1.45	5	A
Endrin ketone	ND		ug/kg	8.48	2.18	5	A
Dieldrin	ND		ug/kg	5.30	2.65	5	A
4,4'-DDE	ND		ug/kg	8.48	1.96	5	A
4,4'-DDD	ND		ug/kg	8.48	3.02	5	A
4,4'-DDT	ND		ug/kg	15.9	6.82	5	A
Endosulfan I	ND		ug/kg	8.48	2.00	5	A
Endosulfan II	ND		ug/kg	8.48	2.83	5	A
Endosulfan sulfate	ND		ug/kg	3.53	1.61	5	A
Methoxychlor	ND		ug/kg	15.9	4.94	5	A
Toxaphene	ND		ug/kg	159	44.5	5	A
cis-Chlordane	ND		ug/kg	10.6	2.95	5	A
trans-Chlordane	ND		ug/kg	10.6	2.80	5	A
Chlordane	ND		ug/kg	68.9	28.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 18:14	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.2	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:44		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.64	1.69	5	A
Lindane	ND		ug/kg	3.60	1.61	5	A
Alpha-BHC	ND		ug/kg	3.60	1.02	5	A
Beta-BHC	ND		ug/kg	8.64	3.28	5	A
Heptachlor	ND		ug/kg	4.32	1.94	5	A
Aldrin	ND		ug/kg	8.64	3.04	5	A
Heptachlor epoxide	ND		ug/kg	16.2	4.86	5	A
Endrin	ND		ug/kg	3.60	1.48	5	A
Endrin ketone	ND		ug/kg	8.64	2.22	5	A
Dieldrin	ND		ug/kg	5.40	2.70	5	A
4,4'-DDE	ND		ug/kg	8.64	2.00	5	A
4,4'-DDD	ND		ug/kg	8.64	3.08	5	A
4,4'-DDT	ND		ug/kg	16.2	6.95	5	A
Endosulfan I	ND		ug/kg	8.64	2.04	5	A
Endosulfan II	ND		ug/kg	8.64	2.89	5	A
Endosulfan sulfate	ND		ug/kg	3.60	1.64	5	A
Methoxychlor	ND		ug/kg	16.2	5.04	5	A
Toxaphene	ND		ug/kg	162	45.4	5	A
cis-Chlordane	ND		ug/kg	10.8	3.01	5	A
trans-Chlordane	ND		ug/kg	10.8	2.85	5	A
Chlordane	ND		ug/kg	70.2	28.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 18:34	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	22.0	1	A
2,4,5-T	ND		ug/kg	181	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:56		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.53	1.67	5	A
Lindane	ND		ug/kg	3.55	1.59	5	A
Alpha-BHC	ND		ug/kg	3.55	1.01	5	A
Beta-BHC	ND		ug/kg	8.53	3.23	5	A
Heptachlor	ND		ug/kg	4.26	1.91	5	A
Aldrin	ND		ug/kg	8.53	3.00	5	A
Heptachlor epoxide	ND		ug/kg	16.0	4.80	5	A
Endrin	ND		ug/kg	3.55	1.46	5	A
Endrin ketone	ND		ug/kg	8.53	2.20	5	A
Dieldrin	ND		ug/kg	5.33	2.66	5	A
4,4'-DDE	ND		ug/kg	8.53	1.97	5	A
4,4'-DDD	ND		ug/kg	8.53	3.04	5	A
4,4'-DDT	ND		ug/kg	16.0	6.86	5	A
Endosulfan I	ND		ug/kg	8.53	2.01	5	A
Endosulfan II	ND		ug/kg	8.53	2.85	5	A
Endosulfan sulfate	ND		ug/kg	3.55	1.62	5	A
Methoxychlor	ND		ug/kg	16.0	4.98	5	A
Toxaphene	ND		ug/kg	160	44.8	5	A
cis-Chlordane	ND		ug/kg	10.7	2.97	5	A
trans-Chlordane	ND		ug/kg	10.7	2.81	5	A
Chlordane	ND		ug/kg	69.3	28.2	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/17/13 02:15
Analytical Date:	09/18/13 10:52	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	141		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 11:58
Analytical Date:	09/16/13 21:53	Methylation Date:	09/16/13 00:31
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	65		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 20:53
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 11:58

Methylation Date: 09/16/13 00:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 07 Batch: WG635884-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	70		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 15:35
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 15:51

Methylation Date: 09/16/13 00:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG635979-1						
2,4-D	ND		ug/kg	166	20.2	A
2,4,5-T	ND		ug/kg	166	10.4	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/13 02:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/13/13 17:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG636012-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.957	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.292	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.91	0.534	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07 Batch: WG635884-2 WG635884-3									
2,4-D	107		113		30-150	5		25	A
2,4,5-T	105		110		30-150	5		25	A
2,4,5-TP (Silvex)	111		117		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		106		30-150	A
DCAA	63		77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635979-2 WG635979-3									
2,4-D	**155**	Q	130		30-150	18		30	A
2,4,5-T	116		106		30-150	9		30	A
2,4,5-TP (Silvex)	118		109		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		107		30-150	A
DCAA	122		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636012-2 WG636012-3									
Delta-BHC	77		70		30-150	10		30	A
Lindane	79		71		30-150	11		30	A
Alpha-BHC	76		68		30-150	11		30	A
Beta-BHC	82		75		30-150	9		30	A
Heptachlor	81		73		30-150	10		30	A
Aldrin	81		74		30-150	9		30	A
Heptachlor epoxide	72		66		30-150	9		30	A
Endrin	87		80		30-150	8		30	A
Endrin ketone	67		61		30-150	9		30	A
Dieldrin	78		71		30-150	9		30	A
4,4'-DDE	75		68		30-150	10		30	A
4,4'-DDD	78		71		30-150	9		30	A
4,4'-DDT	81		74		30-150	9		30	A
Endosulfan I	77		71		30-150	8		30	A
Endosulfan II	67		62		30-150	8		30	A
Endosulfan sulfate	64		59		30-150	8		30	A
Methoxychlor	76		70		30-150	8		30	A
cis-Chlordane	75		72		30-150	4		30	A
trans-Chlordane	76		70		30-150	8		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636012-2 WG636012-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		71		30-150	A
Decachlorobiphenyl	107		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		63		30-150	B
Decachlorobiphenyl	119		106		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG636605-2 WG636605-3									
Delta-BHC	107		78		30-150	**31**	Q	20	A
Lindane	103		78		30-150	**27**	Q	20	A
Alpha-BHC	98		72		30-150	**30**	Q	20	A
Beta-BHC	103		81		30-150	**24**	Q	20	A
Heptachlor	78		63		30-150	**21**	Q	20	A
Aldrin	69		57		30-150	18		20	A
Heptachlor epoxide	95		71		30-150	**29**	Q	20	A
Endrin	117		86		30-150	**31**	Q	20	A
Endrin ketone	107		74		30-150	**36**	Q	20	A
Dieldrin	103		76		30-150	**30**	Q	20	A
4,4'-DDE	92		69		30-150	**28**	Q	20	A
4,4'-DDD	106		78		30-150	**31**	Q	20	A
4,4'-DDT	108		80		30-150	**30**	Q	20	A
Endosulfan I	99		74		30-150	**29**	Q	20	A
Endosulfan II	95		67		30-150	**34**	Q	20	A
Endosulfan sulfate	101		70		30-150	**37**	Q	20	A
Methoxychlor	111		79		30-150	**33**	Q	20	A
cis-Chlordane	94		71		30-150	**27**	Q	20	A
trans-Chlordane	88		70		30-150	**24**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG636605-2 WG636605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		48		30-150	A
Decachlorobiphenyl	123		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		39		30-150	B
Decachlorobiphenyl	143		137		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/14/13 12:30
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Barium, TCLP	0.34	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Lead, TCLP	0.15	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:25	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02
Client ID: G2_COMP-02_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	8.7	1.7	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Antimony, Total	0.99	J	mg/kg	4.4	0.70	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Arsenic, Total	9.2		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Barium, Total	78		mg/kg	0.87	0.26	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Beryllium, Total	0.32	J	mg/kg	0.44	0.09	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Cadmium, Total	0.75	J	mg/kg	0.87	0.06	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Calcium, Total	43000		mg/kg	8.7	2.6	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Cobalt, Total	5.2		mg/kg	1.7	0.44	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Copper, Total	54		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.4	1.7	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	4.4	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Magnesium, Total	23000		mg/kg	8.7	0.87	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Mercury, Total	0.23		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:46	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Potassium, Total	620		mg/kg	220	35.	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Sodium, Total	410		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	0.87	0.09	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Zinc, Total	150		mg/kg	4.4	0.61	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/14/13 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Barium, TCLP	0.31	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Lead, TCLP	0.08	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:35	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	8.7	1.7	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Antimony, Total	2.1	J	mg/kg	4.3	0.70	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Barium, Total	140		mg/kg	0.87	0.26	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Beryllium, Total	0.99		mg/kg	0.43	0.09	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Cadmium, Total	0.99		mg/kg	0.87	0.06	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Calcium, Total	63000		mg/kg	8.7	2.6	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Chromium, Total	20		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Cobalt, Total	16		mg/kg	1.7	0.43	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Copper, Total	230		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.3	1.7	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Lead, Total	340		mg/kg	4.3	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Magnesium, Total	29000		mg/kg	8.7	0.87	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Manganese, Total	360		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Mercury, Total	5.8		mg/kg	0.27	0.06	3	09/18/13 08:30	09/18/13 13:06	EPA 7471B	1,7471B	MC
Nickel, Total	30		mg/kg	2.2	0.35	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Potassium, Total	730		mg/kg	220	35.	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.87	0.09	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Zinc, Total	1200		mg/kg	4.3	0.61	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/14/13 12:30
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Barium, TCLP	0.33	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Lead, TCLP	0.17	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:37	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06
Client ID: G2_COMP-DUP
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7000		mg/kg	8.5	1.7	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Antimony, Total	2.5	J	mg/kg	4.3	0.68	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Arsenic, Total	9.8		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Barium, Total	190		mg/kg	0.85	0.26	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Beryllium, Total	1.2		mg/kg	0.43	0.09	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Cadmium, Total	1.0		mg/kg	0.85	0.06	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Calcium, Total	50000		mg/kg	8.5	2.6	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Chromium, Total	28		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Cobalt, Total	18		mg/kg	1.7	0.43	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Copper, Total	370		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Iron, Total	23000		mg/kg	4.3	1.7	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Lead, Total	420		mg/kg	4.3	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Magnesium, Total	20000		mg/kg	8.5	0.85	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Manganese, Total	370		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Mercury, Total	0.21		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:50	EPA 7471B	1,7471B	MC
Nickel, Total	33		mg/kg	2.1	0.34	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Potassium, Total	850		mg/kg	210	34.	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Silver, Total	0.24	J	mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Sodium, Total	380		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.85	0.09	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	4.3	0.60	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07
Client ID: FB01_091213
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/12/13 11:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00291	J	mg/l	0.0100	0.00200	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Barium, Total	0.00024	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Calcium, Total	0.102		mg/l	0.100	0.0320	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Chromium, Total	0.00090	J	mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Copper, Total	0.00018	J	mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Manganese, Total	0.00034	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/18/13 09:42	09/18/13 15:48	EPA 7470A	1,7470A	JH
Nickel, Total	0.00039	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Sodium, Total	0.146		mg/l	0.100	0.0150	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06 Batch: WG635896-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07 Batch: WG635955-1										
Aluminum, Total	0.00914	J	mg/l	0.0100	0.00200	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Chromium, Total	0.00062	J	mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Copper, Total	0.00014	J	mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Manganese, Total	0.00015	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Nickel, Total	0.00024	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Sodium, Total	0.0206	J	mg/l	0.100	0.0150	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Thallium, Total	0.00003	J	mg/l	0.00050	0.00003	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06 Batch: WG636484-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Lead, TCLP	0.03	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/14/13 12:30

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06 Batch: WG636745-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:17	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06 Batch: WG636902-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:21	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/14/13 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07 Batch: WG637016-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/18/13 09:42	09/18/13 15:33	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635896-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	89		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	101		-		51-150	-		
Lead, Total	94		-		80-120	-		
Magnesium, Total	92		-		74-126	-		
Manganese, Total	95		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	104		-		66-134	-		
Sodium, Total	92		-		74-127	-		
Thallium, Total	101		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635896-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG635955-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	93	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	98	-	80-120	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	101	-	80-120	-	
Selenium, Total	104	-	80-120	-	
Silver, Total	92	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	93	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG635955-2					
Zinc, Total	106	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636484-2					
Arsenic, TCLP	92	-	75-125	-	20
Barium, TCLP	95	-	75-125	-	20
Cadmium, TCLP	96	-	75-125	-	20
Chromium, TCLP	85	-	75-125	-	20
Lead, TCLP	96	-	75-125	-	20
Selenium, TCLP	92	-	75-125	-	20
Silver, TCLP	94	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636745-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636902-2					
Mercury, TCLP	84	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG637016-2					
Mercury, Total	97	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-4 QC Sample: L1317987-01 Client ID: MS Sample												
Aluminum, Total	1400	193	1400	**0**	Q	-	-		75-125	-		35
Antimony, Total	ND	48.2	45	93		-	-		75-125	-		35
Arsenic, Total	5.1	11.6	12	**60**	Q	-	-		75-125	-		35
Barium, Total	1.7	193	190	98		-	-		75-125	-		35
Beryllium, Total	0.38J	4.82	4.9	102		-	-		75-125	-		35
Cadmium, Total	0.25J	4.92	4.8	98		-	-		75-125	-		35
Calcium, Total	120	964	970	88		-	-		75-125	-		35
Chromium, Total	11.	19.3	21	**52**	Q	-	-		75-125	-		35
Cobalt, Total	1.7J	48.2	47	97		-	-		75-125	-		35
Copper, Total	11.	24.1	31	83		-	-		75-125	-		35
Iron, Total	9900	96.4	5600	**0**	Q	-	-		75-125	-		35
Lead, Total	4.1J	49.2	51	104		-	-		75-125	-		35
Magnesium, Total	140	964	1000	89		-	-		75-125	-		35
Manganese, Total	12.	48.2	58	95		-	-		75-125	-		35
Nickel, Total	1.9J	48.2	46	95		-	-		75-125	-		35
Potassium, Total	62.J	964	980	102		-	-		75-125	-		35
Selenium, Total	0.41J	11.6	11	95		-	-		75-125	-		35
Silver, Total	ND	28.9	28	97		-	-		75-125	-		35
Sodium, Total	530	964	1500	100		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	16.	48.2	53	77		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-4 QC Sample: L1317987-01 Client ID: MS Sample									
Zinc, Total	22.	48.2	60	79	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-4 QC Sample: L1317998-04 Client ID: MS Sample										
Aluminum, Total	2.65	2	3.94	**64**	Q	-	-	80-120	-	20
Antimony, Total	0.00049J	0.5	0.2829	**56**	Q	-	-	80-120	-	20
Arsenic, Total	0.00259	0.12	0.1091	91		-	-	80-120	-	20
Barium, Total	0.1346	2	0.2019	**4**	Q	-	-	80-120	-	20
Beryllium, Total	0.00016J	0.05	0.05493	110		-	-	80-120	-	20
Cadmium, Total	0.00005J	0.051	0.05462	107		-	-	80-120	-	20
Calcium, Total	214.	10	229	**150**	Q	-	-	80-120	-	20
Chromium, Total	0.02273	0.2	0.2238	100		-	-	80-120	-	20
Cobalt, Total	0.00242	0.5	0.5118	102		-	-	80-120	-	20
Copper, Total	0.00622	0.25	0.2677	107		-	-	80-120	-	20
Iron, Total	5.30	1	5.10	**0**	Q	-	-	80-120	-	20
Lead, Total	0.00300	0.51	0.1344	**26**	Q	-	-	80-120	-	20
Magnesium, Total	7.66	10	17.9	102		-	-	80-120	-	20
Manganese, Total	0.1218	0.5	0.6172	98		-	-	80-120	-	20
Nickel, Total	0.00755	0.5	0.5270	104		-	-	80-120	-	20
Potassium, Total	30.3	10	43.3	114		-	-	80-120	-	20
Selenium, Total	0.00207J	0.12	0.113	94		-	-	80-120	-	20
Silver, Total	ND	0.05	0.01247	**25**	Q	-	-	80-120	-	20
Sodium, Total	283.	10	302	**190**	Q	-	-	80-120	-	20
Thallium, Total	0.00004J	0.12	0.1180	98		-	-	80-120	-	20
Vanadium, Total	0.00712	0.5	0.5128	102		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-4 QC Sample: L1317998-04 Client ID: MS Sample									
Zinc, Total	0.02330	0.5	0.5506	110	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636484-4 QC Sample: L1318135-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.1	92	-	-	75-125	-	20
Barium, TCLP	0.33J	20	18	90	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.46	90	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.5	75	-	-	75-125	-	20
Lead, TCLP	0.07J	5.1	4.7	92	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.0	83	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.44	88	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636745-4 QC Sample: L1317416-03 Client ID: MS Sample									
Mercury, Total	ND	0.2	0.15	75	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636902-4 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5									
Mercury, TCLP	ND	0.025	0.0247	99	-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG637016-4 QC Sample: L1317998-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00365	73	-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-3 QC Sample: L1317987-01 Client ID: DUP Sample						
Aluminum, Total	1400	900	mg/kg	**43**	Q	35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	5.1	1.4	mg/kg	**114**	Q	35
Barium, Total	1.7	1.5	mg/kg	13		35
Beryllium, Total	0.38J	0.32J	mg/kg	NC		35
Cadmium, Total	0.25J	0.11J	mg/kg	NC		35
Calcium, Total	120	81	mg/kg	**39**	Q	35
Chromium, Total	11.	4.2	mg/kg	**89**	Q	35
Cobalt, Total	1.7J	0.96J	mg/kg	NC		35
Copper, Total	11.	7.1	mg/kg	**43**	Q	35
Iron, Total	9900	4100	mg/kg	**83**	Q	35
Lead, Total	4.1J	3.4J	mg/kg	NC		35
Magnesium, Total	140	150	mg/kg	7		35
Manganese, Total	12.	15	mg/kg	22		35
Nickel, Total	1.9J	1.3J	mg/kg	NC		35
Potassium, Total	62.J	68J	mg/kg	NC		35
Selenium, Total	0.41J	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	530	550	mg/kg	4		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-3 QC Sample: L1317987-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		35
Vanadium, Total	16.	5.5	mg/kg	**98**	Q	35
Zinc, Total	22.	15	mg/kg	**38**	Q	35
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-3 QC Sample: L1317998-04 Client ID: DUP Sample						
Aluminum, Total	2.65	2.32	mg/l	13		20
Sodium, Total	283.	290.	mg/l	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-3 QC Sample: L1317998-04 Client ID: DUP Sample					
Antimony, Total	0.00049J	0.00043J	mg/l	NC	20
Arsenic, Total	0.00259	0.00271	mg/l	5	20
Barium, Total	0.1346	0.1337	mg/l	1	20
Beryllium, Total	0.00016J	0.00014J	mg/l	NC	20
Cadmium, Total	0.00005J	0.00006J	mg/l	NC	20
Chromium, Total	0.02273	0.02319	mg/l	2	20
Cobalt, Total	0.00242	0.00253	mg/l	4	20
Copper, Total	0.00622	0.00649	mg/l	4	20
Iron, Total	5.30	5.61	mg/l	6	20
Lead, Total	0.00300	0.00303	mg/l	1	20
Manganese, Total	0.1218	0.1294	mg/l	6	20
Nickel, Total	0.00755	0.00776	mg/l	3	20
Potassium, Total	30.3	31.9	mg/l	5	20
Selenium, Total	0.00207J	0.00206J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	0.00004J	0.00012J	mg/l	NC	20
Vanadium, Total	0.00712	0.00691	mg/l	3	20
Zinc, Total	0.02330	0.02290	mg/l	2	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636484-3 QC Sample: L1318135-01 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.33J	0.37J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.07J	0.08J	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636745-3 QC Sample: L1317416-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636902-3 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5					
Mercury, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG637016-3 QC Sample: L1317998-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-01
Client ID: G2_SB-02A_1.0-1.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02
Client ID: G2_COMP-02_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.89	0.89	1	-	09/18/13 16:45	107,-	JO
Solids, Total	89.5		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:25	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.74	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:03	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-03
Client ID: G2_SB-03A_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	19		mg/kg	0.89	0.89	1	-	09/18/13 16:45	107,-	JO
Solids, Total	89.6		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/15/13 12:30	09/16/13 13:26	1,9010C/9012A	JO
pH (H)	8.6		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.72	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:07	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05
Client ID: G2_DUP
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06
Client ID: G2_COMP-DUP
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	28		mg/kg	0.88	0.88	1	-	09/18/13 16:45	107,-	JO
Solids, Total	90.6		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/15/13 12:30	09/16/13 13:27	1,9010C/9012A	JO
pH (H)	8.5		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.35	J	mg/kg	0.88	0.20	1	09/13/13 19:30	09/15/13 20:08	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07
Client ID: FB01_091213
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/12/13 11:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/19/13 10:30	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:45	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/13/13 11:45	09/13/13 12:18	1,7196A	JO

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG635886-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/13/13 11:45	09/13/13 12:13	1,7196A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636073-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/13/13 19:30	09/15/13 19:53	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636222-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	09/15/13 12:30	09/16/13 13:22	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG636223-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:40	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636513-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636516-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:40	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG635886-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635913-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636073-2								
Chromium, Hexavalent	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636222-4 WG636222-5								
Cyanide, Total	99		100		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG636223-4 WG636223-5								
Cyanide, Total	96		100		80-120	4		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636513-2								
Cyanide, Reactive	39		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636516-2								
Sulfide, Reactive	107		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635886-4 QC Sample: L1318001-07 Client ID: FB01_091213												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636073-5 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5												
Chromium, Hexavalent	0.74J	1440	1200	84		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636222-3 WG636222-2 QC Sample: L1318024-02 Client ID: MS Sample												
Cyanide, Total	ND	14	14	100		13	96		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG636223-3 WG636223-2 QC Sample: L1318119-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.195	98		0.193	96		80-120	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635886-3 QC Sample: L1318001-07 Client ID: FB01_091213						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635913-2 QC Sample: L1317980-04 Client ID: DUP Sample						
pH	8.0	8.0	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636073-4 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5						
Chromium, Hexavalent	0.74J	0.55J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG636397-1 QC Sample: L1317946-01 Client ID: DUP Sample						
Solids, Total	89.2	89.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636513-3 QC Sample: L1318096-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636516-3 QC Sample: L1318096-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/13/2013 11:26

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-01A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-02A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-02B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-02C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-02X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-03A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-04A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-04B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-04C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-04X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-05A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-06A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-06B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-06C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-06X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-07A	Plastic 500ml HNO3 preserved	A	<2	6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1318001-07B	Amber 1000ml unpreserved	A	7	6	Y	Absent	NYTCL-8082-1200ML(7)
L1318001-07C	Amber 1000ml unpreserved	A	7	6	Y	Absent	HERB-APA(7)
L1318001-07D	Amber 500ml unpreserved	A	N/A	6	Y	Absent	NYTCL-8081(7)
L1318001-07E	Amber 1000ml unpreserved	A	7	6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318001-07F	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-07G	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-07H	Plastic 1000ml unpreserved	A	7	6	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1318001-07I	Plastic 250ml NaOH preserved	A	>12	6	Y	Absent	TCN-9010(14)
L1318001-07J	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08A	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08B	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08C	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08D	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318001
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil □Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.□

Massachusetts Department of Environmental Protection Certi□icate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: □EPA 200.8 □or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ □EPA 200.7 □or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni□ 245.1, □300.0 □or: Nitrate-N, Fluoride, Sul□ate□□ □EPA 353.2 □or: Nitrate-N, Nitrite-N□□ □SM4500NO3-F □or: Nitrate-N and Nitrite-N□□4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: □EPA 524.2 □or: Trihalomethanes, Volatile Organics□□□504.1 □or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane□, EPA 332. Microbiology Parameters: SM9215B□EN□. SUB. SM9223□ Colilert□T SM9223B□MF-SM9222D.□

*Non-Potable Water (*Inorganic Parameters:, □EPA 200.8 □or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□□EPA 200.7 □or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□□ 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, □EPA 350.1 □or: Ammonia-N□, LACHAT 10-107-06-1-B □or Ammonia-N, SM4500NO3-F, 353.2 □or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: □EPA 624 □or Volatile Halocarbons, Volatile Aromatics□,□608 □or: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs-Water□, □EPA 625 □or SVOC Acid E□tractables and SVOC Base/Neutral E□tractables□, 600/4-81-045-PCB-Oil. Microbiology Parameters: □Colilert□T SM9223B□ Enterolert-□T: SM9222D-MF.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H□B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H□B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.□

Solid & Chemical Materials □Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water □Organic Parameters: **EPA 524.2:** Di-isopropyl ether □DIPE□, Ethyl-t-butyl ether □ETBE□, Tert-amyl methyl ether □TAME□□.

Non-Potable Water □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.□

Solid & Chemical Materials □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.□

New Jersey Department of Environmental Protection Certi□icate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5□E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dio□ane by N□Modi□ied 8270, 8015B, N□EPH.□

Solid & Chemical Materials □Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/20/13 CW

Serial_No:09231310:48

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.

Address: 300 W 31st St. 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, TCLP PCBs & Metals, RCRA Chars	TS	SVOCs, PCBs, Pest, Herb, 8082	TPH GRO	NaOH	PCB	Herb	SVOC	Pest 8082	Metals	Sample Specific Comments	TOTAL # BOTTLES
18001-01	G2SB2A (1.0-1.5)	9/12/13	9:00	Soil	NB	X		X									G2_SB-02A_1.0-1.5	4
-02	G2_COMP-02_0-5	9/12/13	9:00	Soil	NB		X		X	X								3
-03	G2SB3A (4.5-5)	9/12/13	11:00	Soil	NB	X		X									G2_SB-03A_4.5-5	4
-04	G2_COMP-03_0-5	9/12/13	11:00	Soil	NB		X		X	X								3
-05	G2_DUP			Soil	NB	X		X										4
-06	G2-COMP-DUP			Soil	NB		X		X	X								3
-07	Field Blank		11:45	AQ	NB						X						FB01_091213	1
-07	Field Blank				NB							X						1
-07	Field Blank				NB								X					1
-07	Field Blank				NB									X				1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9-12-13 1710
[signature]	9/12/13 1930	[signature]	9/12/13 1930
[signature]	9/12/13	[signature]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

revised CW 9/20/13

Serial_No:09231310:48

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.

Address: 300 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing.

Project Location: Brooklyn, NY

Project #: 170 229 002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCBs	VOC	Hex Chrom.	TCL Metals	Temp B VOC	Temp Blank	Sample Specific Comments	Total # Bottles
18001-01	Field Blank	09/12/13	11:45	HQ	NB	X							1
02	Field Blank				NB		X						1
03	Field Blank				NB			X					1
04	Field Blank				NB				X				1
05	Trip Blank				NB					X		TB01_091213	3
	Temp Blank				NB						X		1

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type	
Preservative	

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[illegible]	9/12/13 1710
[illegible]	9/12/13 1930	[illegible]	9/12/13 1930
[illegible]	9/12/13	[illegible]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.
Address: 300 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, TCLP Chem, TCLP Metals, RCRA 8 Metals	TS	SVOCs, PCBs, Pest, Herb, 8 TAMPO	TPH GRO	NaOH	PCB	Herb	SVOC	Pest	Metals	Sample Specific Comments	TOTAL # BOTTLES
18001-01	G2SB2A (1.0-1.5)	9/12/13	9:00	Soil	NB	X		X										4
-02	G2_COMP-02_0-5	9/12/13	9:00	Soil	NB		X		X	X								3
-03	G2SB3A (4.5-5)	9/12/13	11:00	Soil	NB	X		X										4
-04	G2_COMP-03_0-5	9/12/13	11:00	Soil	NB		X		X	X								3
-05	G2_DUP			Soil	NB	X		X										4
-06	G2-COMP-DUP			Soil	NB		X		X	X								3
-07	Field Blank		11:45	AQ	NB						X							1
-07	Field Blank				NB							X						1
-07	Field Blank				NB								X					1
-07	Field Blank				NB									X				1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9-12-13 1710
[signature]	9/12/13 1930	[signature]	9/12/13 1930
[signature]	9/12/13	[signature]	9/13/13 0000

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CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL
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MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.
Address: 300 W 31st St. 8th Floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing.
Project Location: Brooklyn, NY
Project #: 170 229 002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCBs	VOC	Hex Chrom.	TCL Metals	Temp B VOC	Temp Blank	Sample Specific Comments	Total # Bottles
18001-01	Field Blank	09/12/13	11:45	HQ	NB	X							1
02	Field Blank				NB		X						1
03	Field Blank				NB			X					1
04	Field Blank				NB				X				1
05	Trip Blank				NB					X			3
	Temp Blank				NB						X		1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[illegible]	9/12/13 1710
[illegible]	9/12/13 1930	Tom Fisher	9/12/13 1930
Tom Fisher	9/12/13	[illegible]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318009
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318009-01	G2_SB-01B_2.5-3	BROOKLYN, NY	09/12/13 12:45
L1318009-02	G2_COMP-01_0-5	BROOKLYN, NY	09/12/13 12:45
L1318009-03	G1_SB-04A_9-9.5	BROOKLYN, NY	09/12/13 14:30
L1318009-04	G1_COMP-04D_5-10	BROOKLYN, NY	09/12/13 14:30
L1318009-05	G1_SB-04A_2-2.5	BROOKLYN, NY	09/12/13 14:30
L1318009-06	G1_COMP-04S_0-5	BROOKLYN, NY	09/12/13 14:30
L1318009-07	G1_SB-03B_4-4.5	BROOKLYN, NY	09/12/13 15:40
L1318009-08	G1_SB-03B_9-9.5	BROOKLYN, NY	09/12/13 15:40
L1318009-09	G1_COMP-03D_5-10	BROOKLYN, NY	09/12/13 15:40
L1318009-10	G1_COMP-03S_0-5	BROOKLYN, NY	09/12/13 15:40

Project Name: GREENPOINT LANDING **Lab Number:** L1318009
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The sample IDs were provided by the client.

Volatile Organics

L1318009-03: The internal standard (IS) response for 1,4-Dichlorobenzene-d4 (29%) and the surrogate recovery for 4-bromofluorobenzene (152%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-Dichlorobenzene-d4 (19%), Toluene-d8 (133%) and 4-bromofluorobenzene (190%). The results of both analyses are reported.

Semivolatile Organics

L1318009-09 has elevated detection limits due to the dilution required by the sample matrix.

L1318009-10 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Pesticides

L1318009-02, -04, -06, -09 and -10 have elevated detection limits due to the dilutions required by the sample matrices.

Herbicides

The WG635979-2 LCS recovery, associated with L1318009-02, -04, -06, -09 and -10, is above the acceptance criteria for 2,4-D (155%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Total Metals

L1318009-02, -04, -06, -09 and -10 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG636660-4 MS recoveries for aluminum (289%), calcium (0%), iron (4620%) and manganese (69%), performed on L1318009-02, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG636660-4 MS recoveries, performed on L1318009-02, are above the acceptance criteria for arsenic (173%), copper (273%) and lead (249%). A post digestion spike was performed with acceptable recoveries for arsenic (90%), copper (91%) and lead (94%).

The WG636660-4 MS recovery, performed on L1318009-02, is below the acceptance criteria for magnesium (0%). A post digestion spike was performed with an unacceptable recovery of 72%. This has been attributed to sample matrix.

The WG636660-3 Laboratory Duplicate RPD, performed on L1318009-02, is outside the acceptance criteria for calcium (47%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-01	Date Collected:	09/12/13 12:45
Client ID:	G2_SB-01B_2.5-3	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 15:43		
Analyst:	PP		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.44	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.1	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.1	0.65	1
Bromoform	ND		ug/kg	5.7	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	0.45	J	ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.1	1.1	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.1	0.34	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-01 Date Collected: 09/12/13 12:45

Client ID: G2_SB-01B_2.5-3 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.15	1
p/m-Xylene	ND		ug/kg	2.8	0.46	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.44	1
Dichlorodifluoromethane	ND		ug/kg	14	0.31	1
Acetone	7.0	J	ug/kg	14	4.4	1
Carbon disulfide	ND		ug/kg	14	2.8	1
2-Butanone	1.2	J	ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.68	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.27	1
Bromochloromethane	ND		ug/kg	7.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.1	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.7	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.1	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.1	0.80	1
o-Chlorotoluene	ND		ug/kg	7.1	0.23	1
p-Chlorotoluene	ND		ug/kg	7.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.1	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.60	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.27	1
Naphthalene	ND		ug/kg	7.1	1.1	1
Acrylonitrile	ND		ug/kg	14	0.34	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.1	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.1	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.1	0.82	1
Methyl Acetate	ND		ug/kg	28	1.1	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	25.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-01	Date Collected:	09/12/13 12:45
Client ID:	G2_SB-01B_2.5-3	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.39	1
p-Diethylbenzene	ND		ug/kg	5.7	0.23	1
p-Ethyltoluene	ND		ug/kg	5.7	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.7	0.18	1
Ethyl ether	ND		ug/kg	7.1	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.1	0.64	1
Methyl cyclohexane	ND		ug/kg	5.7	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 18:18		
Analyst:	PP		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	5.6	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.68	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.96	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.96	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
Methyl Acetate	ND		ug/kg	24	0.93	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.33	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.55	1
Methyl cyclohexane	ND		ug/kg	4.9	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	**152**	Q	70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	R	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 13:58			
Analyst:	PP			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	0.24	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.83	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03 R Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	4.3	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	2.9	J	ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1
Methyl Acetate	ND		ug/kg	21	0.81	1
Cyclohexane	ND		ug/kg	21	1.1	1
1,4-Dioxane	ND		ug/kg	110	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	R	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.12	1
1,2,4,5-Tetramethylbenzene	0.42	J	ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1
Methyl cyclohexane	ND		ug/kg	4.2	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	**133**	Q	70-130
4-Bromofluorobenzene	**190**	Q	70-130
Dibromofluoromethane	107		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-05	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_2-2.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 15:24		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	210	J	ug/kg	800	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	29.	1
Carbon tetrachloride	ND		ug/kg	80	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	80	24.	1
1,1,2-Trichloroethane	ND		ug/kg	120	24.	1
Tetrachloroethene	ND		ug/kg	80	11.	1
Chlorobenzene	ND		ug/kg	80	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.6	1
1,2-Dichloroethane	ND		ug/kg	80	12.	1
1,1,1-Trichloroethane	ND		ug/kg	80	8.8	1
Bromodichloromethane	ND		ug/kg	80	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	80	9.6	1
cis-1,3-Dichloropropene	ND		ug/kg	80	10.	1
1,1-Dichloropropene	ND		ug/kg	400	36.	1
Bromoform	ND		ug/kg	320	33.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	80	14.	1
Benzene	21	J	ug/kg	80	9.4	1
Toluene	47	J	ug/kg	120	8.9	1
Ethylbenzene	15	J	ug/kg	80	12.	1
Chloromethane	ND		ug/kg	400	62.	1
Bromomethane	63	J	ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	25.	1
1,1-Dichloroethene	ND		ug/kg	80	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	ND		ug/kg	80	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	14.	1
1,3-Dichlorobenzene	ND		ug/kg	400	14.	1
1,4-Dichlorobenzene	ND		ug/kg	400	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_2-2.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.3	1
p/m-Xylene	66	J	ug/kg	160	26.	1
o-Xylene	ND		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	80	12.	1
Dibromomethane	ND		ug/kg	800	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	800	17.	1
Acetone	ND		ug/kg	800	250	1
Carbon disulfide	ND		ug/kg	800	160	1
2-Butanone	ND		ug/kg	800	28.	1
Vinyl acetate	ND		ug/kg	800	38.	1
4-Methyl-2-pentanone	ND		ug/kg	800	19.	1
1,2,3-Trichloropropane	ND		ug/kg	800	18.	1
2-Hexanone	ND		ug/kg	800	15.	1
Bromochloromethane	ND		ug/kg	400	16.	1
2,2-Dichloropropane	ND		ug/kg	400	18.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
1,3-Dichloropropane	ND		ug/kg	400	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	80	25.	1
Bromobenzene	ND		ug/kg	400	16.	1
n-Butylbenzene	ND		ug/kg	80	16.	1
sec-Butylbenzene	ND		ug/kg	80	16.	1
tert-Butylbenzene	ND		ug/kg	400	44.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	63.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	18	J	ug/kg	80	13.	1
p-Isopropyltoluene	ND		ug/kg	80	15.	1
Naphthalene	780		ug/kg	400	61.	1
Acrylonitrile	ND		ug/kg	800	19.	1
n-Propylbenzene	ND		ug/kg	80	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	63.	1
1,3,5-Trimethylbenzene	67	J	ug/kg	400	11.	1
1,2,4-Trimethylbenzene	59	J	ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	61.	1
Cyclohexane	ND		ug/kg	1600	85.	1
1,4-Dioxane	ND		ug/kg	8000	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_2-2.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	77	J	ug/kg	320	13.	1
p-Ethyltoluene	37	J	ug/kg	320	9.3	1
1,2,4,5-Tetramethylbenzene	49	J	ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	130	J	ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	91		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-07	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_4-4.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 14:34		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	810	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	30.	1
Carbon tetrachloride	ND		ug/kg	81	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	81	25.	1
1,1,2-Trichloroethane	ND		ug/kg	120	25.	1
Tetrachloroethene	ND		ug/kg	81	11.	1
Chlorobenzene	ND		ug/kg	81	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.8	1
1,2-Dichloroethane	1100		ug/kg	81	12.	1
1,1,1-Trichloroethane	ND		ug/kg	81	9.0	1
Bromodichloromethane	ND		ug/kg	81	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	81	9.8	1
cis-1,3-Dichloropropene	ND		ug/kg	81	10.	1
1,1-Dichloropropene	ND		ug/kg	400	37.	1
Bromoform	ND		ug/kg	320	34.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	81	14.	1
Benzene	17	J	ug/kg	81	9.6	1
Toluene	67	J	ug/kg	120	9.1	1
Ethylbenzene	ND		ug/kg	81	12.	1
Chloromethane	ND		ug/kg	400	64.	1
Bromomethane	ND		ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	26.	1
1,1-Dichloroethene	ND		ug/kg	81	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	22	J	ug/kg	81	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	15.	1
1,3-Dichlorobenzene	ND		ug/kg	400	15.	1
1,4-Dichlorobenzene	ND		ug/kg	400	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-07 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_4-4.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.4	1
p/m-Xylene	51	J	ug/kg	160	26.	1
o-Xylene	ND		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	81	12.	1
Dibromomethane	ND		ug/kg	810	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	810	18.	1
Acetone	260	J	ug/kg	810	250	1
Carbon disulfide	ND		ug/kg	810	160	1
2-Butanone	ND		ug/kg	810	29.	1
Vinyl acetate	ND		ug/kg	810	39.	1
4-Methyl-2-pentanone	ND		ug/kg	810	20.	1
1,2,3-Trichloropropane	ND		ug/kg	810	18.	1
2-Hexanone	ND		ug/kg	810	15.	1
Bromochloromethane	ND		ug/kg	400	16.	1
2,2-Dichloropropane	ND		ug/kg	400	18.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
1,3-Dichloropropane	ND		ug/kg	400	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	81	26.	1
Bromobenzene	ND		ug/kg	400	17.	1
n-Butylbenzene	ND		ug/kg	81	16.	1
sec-Butylbenzene	ND		ug/kg	81	17.	1
tert-Butylbenzene	ND		ug/kg	400	45.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	64.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	ND		ug/kg	81	14.	1
p-Isopropyltoluene	ND		ug/kg	81	16.	1
Naphthalene	65	J	ug/kg	400	62.	1
Acrylonitrile	ND		ug/kg	810	19.	1
n-Propylbenzene	ND		ug/kg	81	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	64.	1
1,3,5-Trimethylbenzene	35	J	ug/kg	400	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	62.	1
Cyclohexane	93	J	ug/kg	1600	87.	1
1,4-Dioxane	ND		ug/kg	8100	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-07	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_4-4.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	23	J	ug/kg	320	13.	1
p-Ethyltoluene	ND		ug/kg	320	9.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	320		ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-08	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 11:20		
Analyst:	PP		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.27	1
Chloroform	ND		ug/kg	2.2	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.46	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.5	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.5	0.68	1
Bromoform	ND		ug/kg	6.0	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.26	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.5	1.2	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.32	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	7.5	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.16	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.33	1
Acetone	6.5	J	ug/kg	15	4.7	1
Carbon disulfide	ND		ug/kg	15	3.0	1
2-Butanone	ND		ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.72	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.34	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	7.5	0.34	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.5	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.5	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.30	1
sec-Butylbenzene	ND		ug/kg	1.5	0.31	1
tert-Butylbenzene	ND		ug/kg	7.5	0.84	1
o-Chlorotoluene	ND		ug/kg	7.5	0.24	1
p-Chlorotoluene	ND		ug/kg	7.5	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.29	1
Naphthalene	ND		ug/kg	7.5	1.2	1
Acrylonitrile	ND		ug/kg	15	0.36	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.5	0.86	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.41	1
p-Diethylbenzene	ND		ug/kg	6.0	0.24	1
p-Ethyltoluene	ND		ug/kg	6.0	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.20	1
Ethyl ether	ND		ug/kg	7.5	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	0.67	1
Methyl cyclohexane	ND		ug/kg	6.0	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	19	J	ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
Methylene chloride	2.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
Methylene chloride	97		90		70-130	7		30
1,1-Dichloroethane	90		85		70-130	6		30
Chloroform	89		84		70-130	6		30
Carbon tetrachloride	94		90		70-130	4		30
1,2-Dichloropropane	89		85		70-130	5		30
Dibromochloromethane	98		95		70-130	3		30
1,1,2-Trichloroethane	97		94		70-130	3		30
Tetrachloroethene	103		97		70-130	6		30
Chlorobenzene	98		95		70-130	3		30
Trichlorofluoromethane	86		81		70-139	6		30
1,2-Dichloroethane	87		85		70-130	2		30
1,1,1-Trichloroethane	92		87		70-130	6		30
Bromodichloromethane	88		84		70-130	5		30
trans-1,3-Dichloropropene	95		92		70-130	3		30
cis-1,3-Dichloropropene	85		82		70-130	4		30
1,1-Dichloropropene	89		84		70-130	6		30
Bromoform	99		96		70-130	3		30
1,1,2,2-Tetrachloroethane	97		94		70-130	3		30
Benzene	91		86		70-130	6		30
Toluene	102		95		70-130	7		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
Chloromethane	102		88		52-130	15		30
Bromomethane	87		84		57-147	4		30
Vinyl chloride	86		80		67-130	7		30
Chloroethane	89		82		50-151	8		30
1,1-Dichloroethene	92		86		65-135	7		30
trans-1,2-Dichloroethene	92		87		70-130	6		30
Trichloroethene	91		87		70-130	4		30
1,2-Dichlorobenzene	100		98		70-130	2		30
1,3-Dichlorobenzene	101		97		70-130	4		30
1,4-Dichlorobenzene	100		97		70-130	3		30
Methyl tert butyl ether	86		84		66-130	2		30
p/m-Xylene	100		96		70-130	4		30
o-Xylene	100		95		70-130	5		30
cis-1,2-Dichloroethene	89		86		70-130	3		30
Dibromomethane	89		85		70-130	5		30
Styrene	100		96		70-130	4		30
Dichlorodifluoromethane	84		79		30-146	6		30
Acetone	99		73		54-140	30		30
Carbon disulfide	93		84		59-130	10		30
2-Butanone	101		86		70-130	16		30
Vinyl acetate	82		79		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
4-Methyl-2-pentanone	86		83		70-130	4		30
1,2,3-Trichloropropane	97		94		68-130	3		30
2-Hexanone	96		87		70-130	10		30
Bromochloromethane	91		88		70-130	3		30
2,2-Dichloropropane	93		87		70-130	7		30
1,2-Dibromoethane	96		94		70-130	2		30
1,3-Dichloropropane	95		92		69-130	3		30
1,1,1,2-Tetrachloroethane	98		95		70-130	3		30
Bromobenzene	98		94		70-130	4		30
n-Butylbenzene	102		97		70-130	5		30
sec-Butylbenzene	100		96		70-130	4		30
tert-Butylbenzene	101		96		70-130	5		30
o-Chlorotoluene	100		97		70-130	3		30
p-Chlorotoluene	98		94		70-130	4		30
1,2-Dibromo-3-chloropropane	98		96		68-130	2		30
Hexachlorobutadiene	100		98		67-130	2		30
Isopropylbenzene	98		93		70-130	5		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	95		93		70-130	2		30
Acrylonitrile	92		88		70-130	4		30
Isopropyl Ether	85		83		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
tert-Butyl Alcohol	94		88		70-130	7		30
n-Propylbenzene	99		94		70-130	5		30
1,2,3-Trichlorobenzene	98		97		70-130	1		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	101		96		70-130	5		30
1,2,4-Trimethylbenzene	102		97		70-130	5		30
Methyl Acetate	91		87		51-146	4		30
Ethyl Acetate	84		85		70-130	1		30
Acrolein	99		91		70-130	8		30
Cyclohexane	86		79		59-142	8		30
1,4-Dioxane	93		90		65-136	3		30
Freon-113	84		79		50-139	6		30
p-Diethylbenzene	102		98		70-130	4		30
p-Ethyltoluene	100		95		70-130	5		30
1,2,4,5-Tetramethylbenzene	100		96		70-130	4		30
Tetrahydrofuran	86		82		66-130	5		30
Ethyl ether	78		74		67-130	5		30
trans-1,4-Dichloro-2-butene	96		95		70-130	1		30
Methyl cyclohexane	83		76		70-130	9		30
Ethyl-Tert-Butyl-Ether	86		84		70-130	2		30
Tertiary-Amyl Methyl Ether	87		85		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
Freon-113	85		79		50-139	7		30
p-Diethylbenzene	102		97		70-130	5		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	91		84		70-130	8		30
1,2-Dichloropropane	92		87		70-130	6		30
Dibromochloromethane	89		84		70-130	6		30
1,1,2-Trichloroethane	92		86		70-130	7		30
Tetrachloroethene	91		84		70-130	8		30
Chlorobenzene	91		85		70-130	7		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	94		89		70-130	5		30
1,1,1-Trichloroethane	92		86		70-130	7		30
Bromodichloromethane	92		85		70-130	8		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	89		84		70-130	6		30
1,1-Dichloropropene	92		84		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	92		85		70-130	8		30
Toluene	91		83		70-130	9		30
Ethylbenzene	92		84		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
Chloromethane	89		80		52-130	11		30
Bromomethane	99		88		57-147	12		30
Vinyl chloride	91		82		67-130	10		30
Chloroethane	116		102		50-151	13		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	92		84		70-130	9		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	90		86		70-130	5		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	93		87		70-130	7		30
cis-1,2-Dichloroethene	93		86		70-130	8		30
Dibromomethane	92		88		70-130	4		30
Styrene	95		88		70-130	8		30
Dichlorodifluoromethane	77		70		30-146	10		30
Acetone	133		114		54-140	15		30
Carbon disulfide	91		83		59-130	9		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	85		80		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
4-Methyl-2-pentanone	90		88		70-130	2		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	95		91		70-130	4		30
2,2-Dichloropropane	94		86		70-130	9		30
1,2-Dibromoethane	90		85		70-130	6		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	89		85		70-130	5		30
tert-Butylbenzene	89		86		70-130	3		30
o-Chlorotoluene	73		86		70-130	16		30
p-Chlorotoluene	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	80		85		68-130	6		30
Hexachlorobutadiene	87		81		67-130	7		30
Isopropylbenzene	91		86		70-130	6		30
p-Isopropyltoluene	91		86		70-130	6		30
Naphthalene	92		88		70-130	4		30
Acrylonitrile	94		88		70-130	7		30
Isopropyl Ether	95		90		66-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	90		86		70-130	5		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	94		90		70-130	4		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	91		88		70-130	3		30
Methyl Acetate	90		89		51-146	1		30
Ethyl Acetate	93		89		70-130	4		30
Acrolein	89		82		70-130	8		30
Cyclohexane	86		78		59-142	10		30
1,4-Dioxane	88		85		65-136	3		30
Freon-113	82		74		50-139	10		30
p-Diethylbenzene	91		87		70-130	4		30
p-Ethyltoluene	91		87		70-130	4		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	92		88		67-130	4		30
trans-1,4-Dichloro-2-butene	89		85		70-130	5		30
Methyl cyclohexane	80		74		70-130	8		30
Ethyl-Tert-Butyl-Ether	93		89		70-130	4		30
Tertiary-Amyl Methyl Ether	93		88		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
Freon-113	89		88		50-139	1		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
Freon-113	85		83		50-139	2		30
p-Diethylbenzene	94		94		70-130	0		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
Methylene chloride	104		105		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		102		70-130	3		30
1,2-Dichloropropane	100		103		70-130	3		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	106		105		70-139	1		30
1,2-Dichloroethane	102		104		70-130	2		30
1,1,1-Trichloroethane	102		102		70-130	0		30
Bromodichloromethane	99		103		70-130	4		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	94		97		70-130	3		30
1,1-Dichloropropene	101		102		70-130	1		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	90		92		70-130	2		30
Benzene	102		103		70-130	1		30
Toluene	96		97		70-130	1		30
Ethylbenzene	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
Chloromethane	99		99		52-130	0		30
Bromomethane	115		113		57-147	2		30
Vinyl chloride	101		101		67-130	0		30
Chloroethane	122		126		50-151	3		30
1,1-Dichloroethene	101		98		65-135	3		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	97		100		66-130	3		30
p/m-Xylene	99		100		70-130	1		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	100		102		70-130	2		30
Styrene	100		101		70-130	1		30
Dichlorodifluoromethane	93		93		30-146	0		30
Acetone	**143**	Q	138		54-140	4		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	**132**	Q	**132**	Q	70-130	0		30
Vinyl acetate	91		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	106		105		70-130	1		30
Bromochloromethane	106		105		70-130	1		30
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	92		96		70-130	4		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	94		95		70-130	1		30
Bromobenzene	97		98		70-130	1		30
n-Butylbenzene	100		100		70-130	0		30
sec-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	99		98		70-130	1		30
1,2-Dibromo-3-chloropropane	86		84		68-130	2		30
Hexachlorobutadiene	98		98		67-130	0		30
Isopropylbenzene	98		98		70-130	0		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	101		102		70-130	1		30
Isopropyl Ether	105		106		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
tert-Butyl Alcohol	87		90		70-130	3		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	98		99		70-130	1		30
Methyl Acetate	100		98		51-146	2		30
Ethyl Acetate	97		99		70-130	2		30
Acrolein	95		95		70-130	0		30
Cyclohexane	102		100		59-142	2		30
1,4-Dioxane	94		97		65-136	3		30
Freon-113	100		98		50-139	2		30
p-Diethylbenzene	100		100		70-130	0		30
p-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		30
Tetrahydrofuran	102		96		66-130	6		30
Ethyl ether	101		100		67-130	1		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30
Methyl cyclohexane	98		98		70-130	0		30
Ethyl-Tert-Butyl-Ether	102		101		70-130	1		30
Tertiary-Amyl Methyl Ether	97		99		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 09:58			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1300		ug/kg	580	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	200	4
2-Chloronaphthalene	ND		ug/kg	730	240	4
1,2-Dichlorobenzene	ND		ug/kg	730	240	4
1,3-Dichlorobenzene	ND		ug/kg	730	230	4
1,4-Dichlorobenzene	ND		ug/kg	730	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	190	4
2,4-Dinitrotoluene	ND		ug/kg	730	160	4
2,6-Dinitrotoluene	ND		ug/kg	730	190	4
Fluoranthene	18000		ug/kg	440	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	730	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	880	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	970		ug/kg	730	240	4
Nitrobenzene	ND		ug/kg	660	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	730	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	190	4
Butyl benzyl phthalate	ND		ug/kg	730	140	4
Di-n-butylphthalate	ND		ug/kg	730	140	4
Di-n-octylphthalate	ND		ug/kg	730	180	4
Diethyl phthalate	ND		ug/kg	730	150	4
Dimethyl phthalate	ND		ug/kg	730	180	4
Benzo(a)anthracene	8700		ug/kg	440	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02 D Date Collected: 09/12/13 12:45

Client ID: G2_COMP-01_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8600		ug/kg	580	180	4
Benzo(b)fluoranthene	10000		ug/kg	440	150	4
Benzo(k)fluoranthene	3600		ug/kg	440	140	4
Chrysene	8700		ug/kg	440	140	4
Acenaphthylene	580		ug/kg	580	140	4
Anthracene	3800		ug/kg	440	120	4
Benzo(ghi)perylene	5400		ug/kg	580	150	4
Fluorene	1600		ug/kg	730	210	4
Phenanthrene	12000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1400		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	6000		ug/kg	580	160	4
Pyrene	16000		ug/kg	440	140	4
Biphenyl	240	J	ug/kg	1700	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	200	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	1400		ug/kg	730	240	4
2-Methylnaphthalene	490	J	ug/kg	880	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	230	4
Acetophenone	ND		ug/kg	730	230	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	730	210	4
2-Chlorophenol	ND		ug/kg	730	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	730	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3500	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	580	160	4
Phenol	ND		ug/kg	730	220	4
2-Methylphenol	ND		ug/kg	730	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	730	240	4
Benzoic Acid	1500	J	ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	220	4
Carbazole	1000		ug/kg	730	160	4
Benzaldehyde	ND		ug/kg	960	290	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02 D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	730	200	4
Atrazine	ND		ug/kg	580	160	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	730	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	94		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 10:23		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		ug/kg	620	160	4
1,2,4-Trichlorobenzene	ND		ug/kg	780	260	4
Hexachlorobenzene	ND		ug/kg	470	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	700	220	4
2-Chloronaphthalene	ND		ug/kg	780	250	4
1,2-Dichlorobenzene	ND		ug/kg	780	260	4
1,3-Dichlorobenzene	ND		ug/kg	780	250	4
1,4-Dichlorobenzene	ND		ug/kg	780	240	4
3,3'-Dichlorobenzidine	ND		ug/kg	780	210	4
2,4-Dinitrotoluene	ND		ug/kg	780	170	4
2,6-Dinitrotoluene	ND		ug/kg	780	200	4
Fluoranthene	20000		ug/kg	470	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	780	240	4
4-Bromophenyl phenyl ether	ND		ug/kg	780	180	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	940	280	4
Bis(2-chloroethoxy)methane	ND		ug/kg	840	240	4
Hexachlorobutadiene	ND		ug/kg	780	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	500	4
Hexachloroethane	ND		ug/kg	620	140	4
Isophorone	ND		ug/kg	700	210	4
Naphthalene	400	J	ug/kg	780	260	4
Nitrobenzene	ND		ug/kg	700	190	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	620	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	780	230	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	780	200	4
Butyl benzyl phthalate	ND		ug/kg	780	150	4
Di-n-butylphthalate	ND		ug/kg	780	150	4
Di-n-octylphthalate	ND		ug/kg	780	190	4
Diethyl phthalate	ND		ug/kg	780	160	4
Dimethyl phthalate	ND		ug/kg	780	200	4
Benzo(a)anthracene	8500		ug/kg	470	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04 D Date Collected: 09/12/13 14:30

Client ID: G1_COMP-04D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8100		ug/kg	620	190	4
Benzo(b)fluoranthene	9500		ug/kg	470	160	4
Benzo(k)fluoranthene	3100		ug/kg	470	150	4
Chrysene	9600		ug/kg	470	150	4
Acenaphthylene	280	J	ug/kg	620	150	4
Anthracene	4200		ug/kg	470	130	4
Benzo(ghi)perylene	4900		ug/kg	620	160	4
Fluorene	1800		ug/kg	780	220	4
Phenanthrene	17000		ug/kg	470	150	4
Dibenzo(a,h)anthracene	1200		ug/kg	470	150	4
Indeno(1,2,3-cd)Pyrene	5200		ug/kg	620	170	4
Pyrene	20000		ug/kg	470	150	4
Biphenyl	ND		ug/kg	1800	260	4
4-Chloroaniline	ND		ug/kg	780	210	4
2-Nitroaniline	ND		ug/kg	780	220	4
3-Nitroaniline	ND		ug/kg	780	220	4
4-Nitroaniline	ND		ug/kg	780	210	4
Dibenzofuran	840		ug/kg	780	260	4
2-Methylnaphthalene	250	J	ug/kg	940	250	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	780	240	4
Acetophenone	ND		ug/kg	780	240	4
2,4,6-Trichlorophenol	ND		ug/kg	470	150	4
P-Chloro-M-Cresol	ND		ug/kg	780	230	4
2-Chlorophenol	ND		ug/kg	780	240	4
2,4-Dichlorophenol	ND		ug/kg	700	250	4
2,4-Dimethylphenol	ND		ug/kg	780	230	4
2-Nitrophenol	ND		ug/kg	1700	240	4
4-Nitrophenol	ND		ug/kg	1100	250	4
2,4-Dinitrophenol	ND		ug/kg	3800	1100	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	290	4
Pentachlorophenol	ND		ug/kg	620	170	4
Phenol	ND		ug/kg	780	230	4
2-Methylphenol	ND		ug/kg	780	250	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	260	4
2,4,5-Trichlorophenol	ND		ug/kg	780	250	4
Benzoic Acid	ND		ug/kg	2500	790	4
Benzyl Alcohol	ND		ug/kg	780	240	4
Carbazole	1200		ug/kg	780	170	4
Benzaldehyde	ND		ug/kg	1000	320	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04 D
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	780	220	4
Atrazine	ND		ug/kg	620	180	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	780	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	97		0-136
4-Terphenyl-d14	97		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/18/13 23:18		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	550		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	6300		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	810		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	330		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	50	J	ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	3100		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06 Date Collected: 09/12/13 14:30

Client ID: G1_COMP-04S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2700		ug/kg	160	48.	1
Benzo(b)fluoranthene	3400		ug/kg	120	40.	1
Benzo(k)fluoranthene	1200		ug/kg	120	37.	1
Chrysene	2900		ug/kg	120	38.	1
Acenaphthylene	110	J	ug/kg	160	37.	1
Anthracene	1800		ug/kg	120	32.	1
Benzo(ghi)perylene	1500		ug/kg	160	41.	1
Fluorene	780		ug/kg	200	56.	1
Phenanthrene	6000		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	440		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	160	43.	1
Pyrene	5000		ug/kg	120	38.	1
Biphenyl	120	J	ug/kg	450	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	650		ug/kg	200	65.	1
2-Methylnaphthalene	410		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	540		ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	87		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 10:47		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	700		ug/kg	320	83.	2
1,2,4-Trichlorobenzene	ND		ug/kg	400	130	2
Hexachlorobenzene	ND		ug/kg	240	75.	2
Bis(2-chloroethyl)ether	ND		ug/kg	360	110	2
2-Chloronaphthalene	ND		ug/kg	400	130	2
1,2-Dichlorobenzene	ND		ug/kg	400	130	2
1,3-Dichlorobenzene	ND		ug/kg	400	130	2
1,4-Dichlorobenzene	ND		ug/kg	400	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	400	110	2
2,4-Dinitrotoluene	ND		ug/kg	400	87.	2
2,6-Dinitrotoluene	ND		ug/kg	400	100	2
Fluoranthene	7700		ug/kg	240	74.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	400	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	400	92.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	480	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	430	120	2
Hexachlorobutadiene	ND		ug/kg	400	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1200	260	2
Hexachloroethane	ND		ug/kg	320	73.	2
Isophorone	ND		ug/kg	360	110	2
Naphthalene	360	J	ug/kg	400	130	2
Nitrobenzene	ND		ug/kg	360	96.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	320	84.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	400	120	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	400	100	2
Butyl benzyl phthalate	ND		ug/kg	400	78.	2
Di-n-butylphthalate	ND		ug/kg	400	78.	2
Di-n-octylphthalate	ND		ug/kg	400	99.	2
Diethyl phthalate	ND		ug/kg	400	85.	2
Dimethyl phthalate	ND		ug/kg	400	100	2
Benzo(a)anthracene	3100		ug/kg	240	79.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2700		ug/kg	320	98.	2
Benzo(b)fluoranthene	3400		ug/kg	240	81.	2
Benzo(k)fluoranthene	1300		ug/kg	240	77.	2
Chrysene	3300		ug/kg	240	79.	2
Acenaphthylene	150	J	ug/kg	320	75.	2
Anthracene	2000		ug/kg	240	67.	2
Benzo(ghi)perylene	1600		ug/kg	320	84.	2
Fluorene	880		ug/kg	400	120	2
Phenanthrene	7900		ug/kg	240	78.	2
Dibenzo(a,h)anthracene	440		ug/kg	240	78.	2
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	320	89.	2
Pyrene	6500		ug/kg	240	78.	2
Biphenyl	ND		ug/kg	920	130	2
4-Chloroaniline	ND		ug/kg	400	110	2
2-Nitroaniline	ND		ug/kg	400	110	2
3-Nitroaniline	ND		ug/kg	400	110	2
4-Nitroaniline	ND		ug/kg	400	110	2
Dibenzofuran	630		ug/kg	400	130	2
2-Methylnaphthalene	270	J	ug/kg	480	130	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	400	120	2
Acetophenone	ND		ug/kg	400	120	2
2,4,6-Trichlorophenol	ND		ug/kg	240	76.	2
P-Chloro-M-Cresol	ND		ug/kg	400	120	2
2-Chlorophenol	ND		ug/kg	400	120	2
2,4-Dichlorophenol	ND		ug/kg	360	130	2
2,4-Dimethylphenol	ND		ug/kg	400	120	2
2-Nitrophenol	ND		ug/kg	870	120	2
4-Nitrophenol	ND		ug/kg	560	130	2
2,4-Dinitrophenol	ND		ug/kg	1900	550	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	150	2
Pentachlorophenol	ND		ug/kg	320	86.	2
Phenol	ND		ug/kg	400	120	2
2-Methylphenol	ND		ug/kg	400	130	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	580	130	2
2,4,5-Trichlorophenol	ND		ug/kg	400	130	2
Benzoic Acid	ND		ug/kg	1300	410	2
Benzyl Alcohol	ND		ug/kg	400	120	2
Carbazole	480		ug/kg	400	86.	2
Benzaldehyde	ND		ug/kg	530	160	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	400	110	2
Atrazine	ND		ug/kg	320	91.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	400	68.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	92		0-136
4-Terphenyl-d14	84		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 00:10		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1000		ug/kg	600	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	750	240	4
Hexachlorobenzene	ND		ug/kg	450	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	670	210	4
2-Chloronaphthalene	ND		ug/kg	750	240	4
1,2-Dichlorobenzene	ND		ug/kg	750	250	4
1,3-Dichlorobenzene	ND		ug/kg	750	240	4
1,4-Dichlorobenzene	ND		ug/kg	750	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	750	200	4
2,4-Dinitrotoluene	ND		ug/kg	750	160	4
2,6-Dinitrotoluene	ND		ug/kg	750	190	4
Fluoranthene	10000		ug/kg	450	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	750	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	750	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	900	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	810	230	4
Hexachlorobutadiene	ND		ug/kg	750	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	480	4
Hexachloroethane	ND		ug/kg	600	140	4
Isophorone	ND		ug/kg	670	200	4
Naphthalene	810		ug/kg	750	250	4
Nitrobenzene	ND		ug/kg	670	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	600	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	750	220	4
Bis(2-Ethylhexyl)phthalate	400	J	ug/kg	750	200	4
Butyl benzyl phthalate	ND		ug/kg	750	150	4
Di-n-butylphthalate	ND		ug/kg	750	140	4
Di-n-octylphthalate	ND		ug/kg	750	180	4
Diethyl phthalate	ND		ug/kg	750	160	4
Dimethyl phthalate	ND		ug/kg	750	190	4
Benzo(a)anthracene	4900		ug/kg	450	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	4100		ug/kg	600	180	4
Benzo(b)fluoranthene	5000		ug/kg	450	150	4
Benzo(k)fluoranthene	2000		ug/kg	450	140	4
Chrysene	4700		ug/kg	450	150	4
Acenaphthylene	140	J	ug/kg	600	140	4
Anthracene	2600		ug/kg	450	120	4
Benzo(ghi)perylene	2200		ug/kg	600	160	4
Fluorene	1100		ug/kg	750	210	4
Phenanthrene	9800		ug/kg	450	150	4
Dibenzo(a,h)anthracene	660		ug/kg	450	140	4
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	600	170	4
Pyrene	8400		ug/kg	450	140	4
Biphenyl	ND		ug/kg	1700	250	4
4-Chloroaniline	ND		ug/kg	750	200	4
2-Nitroaniline	ND		ug/kg	750	210	4
3-Nitroaniline	ND		ug/kg	750	210	4
4-Nitroaniline	ND		ug/kg	750	200	4
Dibenzofuran	730	J	ug/kg	750	250	4
2-Methylnaphthalene	370	J	ug/kg	900	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	750	230	4
Acetophenone	ND		ug/kg	750	230	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
P-Chloro-M-Cresol	ND		ug/kg	750	220	4
2-Chlorophenol	ND		ug/kg	750	230	4
2,4-Dichlorophenol	ND		ug/kg	670	240	4
2,4-Dimethylphenol	ND		ug/kg	750	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	600	160	4
Phenol	ND		ug/kg	750	220	4
2-Methylphenol	ND		ug/kg	750	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	240	4
2,4,5-Trichlorophenol	ND		ug/kg	750	240	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	750	230	4
Carbazole	760		ug/kg	750	160	4
Benzaldehyde	ND		ug/kg	990	300	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	750	210	4
Atrazine	ND		ug/kg	600	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	750	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	64		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	44.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	220	52.
2,4-Dinitrophenol	ND		ug/kg	770	220

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	34.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	44.
Atrazine	ND		ug/kg	130	36.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Acenaphthene	90		101		31-137	12		50
1,2,4-Trichlorobenzene	72		88		38-107	20		50
Hexachlorobenzene	106		110		40-140	4		50
Bis(2-chloroethyl)ether	66		84		40-140	24		50
2-Chloronaphthalene	89		105		40-140	16		50
1,2-Dichlorobenzene	66		84		40-140	24		50
1,3-Dichlorobenzene	64		84		40-140	27		50
1,4-Dichlorobenzene	64		84		28-104	27		50
3,3'-Dichlorobenzidine	91		81		40-140	12		50
2,4-Dinitrotoluene	**109**	Q	**115**	Q	28-89	5		50
2,6-Dinitrotoluene	108		116		40-140	7		50
Fluoranthene	106		111		40-140	5		50
4-Chlorophenyl phenyl ether	98		106		40-140	8		50
4-Bromophenyl phenyl ether	107		112		40-140	5		50
Bis(2-chloroisopropyl)ether	66		83		40-140	23		50
Bis(2-chloroethoxy)methane	74		91		40-117	21		50
Hexachlorobutadiene	71		87		40-140	20		50
Hexachlorocyclopentadiene	**27**	Q	**39**	Q	40-140	36		50
Hexachloroethane	58		77		40-140	28		50
Isophorone	80		98		40-140	20		50
Naphthalene	73		89		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
Nitrobenzene	70		87		40-140	22		50
NitrosoDiPhenylAmine(NDPA)/DPA	107		111			4		50
n-Nitrosodi-n-propylamine	73		90		32-121	21		50
Bis(2-Ethylhexyl)phthalate	114		115		40-140	1		50
Butyl benzyl phthalate	109		114		40-140	4		50
Di-n-butylphthalate	106		110		40-140	4		50
Di-n-octylphthalate	122		125		40-140	2		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	98		104		40-140	6		50
Benzo(a)anthracene	105		108		40-140	3		50
Benzo(a)pyrene	110		112		40-140	2		50
Benzo(b)fluoranthene	110		114		40-140	4		50
Benzo(k)fluoranthene	104		107		40-140	3		50
Chrysene	105		109		40-140	4		50
Acenaphthylene	97		111		40-140	13		50
Anthracene	109		112		40-140	3		50
Benzo(ghi)perylene	101		105		40-140	4		50
Fluorene	100		108		40-140	8		50
Phenanthrene	101		105		40-140	4		50
Dibenzo(a,h)anthracene	105		109		40-140	4		50
Indeno(1,2,3-cd)Pyrene	107		111		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
Pyrene	104		111		35-142	7		50
Biphenyl	85		98			14		50
4-Chloroaniline	56		51		40-140	9		50
2-Nitroaniline	115		124		47-134	8		50
3-Nitroaniline	83		78		26-129	6		50
4-Nitroaniline	96		99		41-125	3		50
Dibenzofuran	93		104		40-140	11		50
2-Methylnaphthalene	81		97		40-140	18		50
1,2,4,5-Tetrachlorobenzene	81		96		40-117	17		50
Acetophenone	79		98		14-144	21		50
2,4,6-Trichlorophenol	108		122		30-130	12		50
P-Chloro-M-Cresol	**108**	Q	**119**	Q	26-103	10		50
2-Chlorophenol	74		93		25-102	23		50
2,4-Dichlorophenol	91		108		30-130	17		50
2,4-Dimethylphenol	94		114		30-130	19		50
2-Nitrophenol	80		100		30-130	22		50
4-Nitrophenol	114		**119**	Q	11-114	4		50
2,4-Dinitrophenol	43		49		4-130	13		50
4,6-Dinitro-o-cresol	46		50		10-130	8		50
Pentachlorophenol	97		103		17-109	6		50
Phenol	74		90		26-90	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
2-Methylphenol	83		100		30-130.	19		50
3-Methylphenol/4-Methylphenol	86		102		30-130	17		50
2,4,5-Trichlorophenol	110		123		30-130	11		50
Benzoic Acid	51		58			13		50
Benzyl Alcohol	75		92		40-140	20		50
Carbazole	106		110		54-128	4		50
Benzaldehyde	63		83			27		50
Caprolactam	108		115			6		50
Atrazine	117		114			3		50
2,3,4,6-Tetrachlorophenol	112		118			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		88		25-120
Phenol-d6	78		92		10-120
Nitrobenzene-d5	71		86		23-120
2-Fluorobiphenyl	85		99		30-120
2,4,6-Tribromophenol	113		114		0-136
4-Terphenyl-d14	92		94		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 19:10		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 12:15
Analytical Date:	09/17/13 23:12			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	653000		ug/kg	70700	6920	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 19:51		
Analyst:	GT		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1800	J	ug/kg	3000	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 02:03		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	254000		ug/kg	37900	3710	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 17:08		
Analyst:	GT		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 21:55		
Analyst:	AR		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	396000		ug/kg	38200	3740	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 20:31		
Analyst:	GT		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1900	J	ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 22:26		
Analyst:	AR		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	162000		ug/kg	39400	3860	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:12		
Analyst:	GT		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/17/13 23:43		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1210000		ug/kg	368000	36000	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 16:27
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636621-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	87		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636621-1 WG636621-2								
Gasoline Range Organics	115		108		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	112		111		70-130
4-Bromofluorobenzene	111		112		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 02:36	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	7.02	1	A
Aroclor 1221	ND		ug/kg	35.6	10.7	1	A
Aroclor 1232	ND		ug/kg	35.6	7.55	1	A
Aroclor 1242	ND		ug/kg	35.6	6.75	1	A
Aroclor 1248	ND		ug/kg	35.6	4.30	1	A
Aroclor 1254	ND		ug/kg	35.6	5.60	1	A
Aroclor 1260	ND		ug/kg	35.6	6.17	1	A
Aroclor 1262	ND		ug/kg	35.6	2.63	1	A
Aroclor 1268	ND		ug/kg	35.6	5.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 02:48	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	7.57	1	A
Aroclor 1221	ND		ug/kg	38.3	11.6	1	A
Aroclor 1232	ND		ug/kg	38.3	8.14	1	A
Aroclor 1242	ND		ug/kg	38.3	7.27	1	A
Aroclor 1248	ND		ug/kg	38.3	4.64	1	A
Aroclor 1254	ND		ug/kg	38.3	6.04	1	A
Aroclor 1260	12.3	J	ug/kg	38.3	6.65	1	B
Aroclor 1262	ND		ug/kg	38.3	2.83	1	A
Aroclor 1268	ND		ug/kg	38.3	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:00	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	7.67	1	A
Aroclor 1221	ND		ug/kg	38.8	11.7	1	A
Aroclor 1232	ND		ug/kg	38.8	8.25	1	A
Aroclor 1242	ND		ug/kg	38.8	7.37	1	A
Aroclor 1248	ND		ug/kg	38.8	4.70	1	A
Aroclor 1254	ND		ug/kg	38.8	6.12	1	A
Aroclor 1260	9.71	J	ug/kg	38.8	6.74	1	A
Aroclor 1262	ND		ug/kg	38.8	2.87	1	A
Aroclor 1268	ND		ug/kg	38.8	5.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:13	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	7.72	1	A
Aroclor 1221	ND		ug/kg	39.1	11.8	1	A
Aroclor 1232	ND		ug/kg	39.1	8.31	1	A
Aroclor 1242	ND		ug/kg	39.1	7.42	1	A
Aroclor 1248	ND		ug/kg	39.1	4.73	1	A
Aroclor 1254	ND		ug/kg	39.1	6.16	1	A
Aroclor 1260	ND		ug/kg	39.1	6.79	1	A
Aroclor 1262	ND		ug/kg	39.1	2.89	1	A
Aroclor 1268	ND		ug/kg	39.1	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 23:12	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	7.40	1	A
Aroclor 1221	ND		ug/kg	37.5	11.3	1	A
Aroclor 1232	ND		ug/kg	37.5	7.96	1	A
Aroclor 1242	ND		ug/kg	37.5	7.11	1	A
Aroclor 1248	ND		ug/kg	37.5	4.53	1	A
Aroclor 1254	ND		ug/kg	37.5	5.91	1	A
Aroclor 1260	ND		ug/kg	37.5	6.50	1	A
Aroclor 1262	ND		ug/kg	37.5	2.77	1	A
Aroclor 1268	ND		ug/kg	37.5	5.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318009

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 01:47
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 16:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04,06,09 Batch: WG636526-1						
Aroclor 1016	ND		ug/kg	32.6	6.44	A
Aroclor 1221	ND		ug/kg	32.6	9.84	A
Aroclor 1232	ND		ug/kg	32.6	6.93	A
Aroclor 1242	ND		ug/kg	32.6	6.19	A
Aroclor 1248	ND		ug/kg	32.6	3.94	A
Aroclor 1254	ND		ug/kg	32.6	5.14	A
Aroclor 1260	ND		ug/kg	32.6	5.66	A
Aroclor 1262	ND		ug/kg	32.6	2.41	A
Aroclor 1268	ND		ug/kg	32.6	4.73	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318009

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04,06,09 Batch: WG636526-2 WG636526-3									
Aroclor 1016	66		75		40-140	13		50	A
Aroclor 1260	58		64		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		78		30-150	B
Decachlorobiphenyl	69		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:14	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.2	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	120		30-150	A
DCAA	116		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:09		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.8	3.29	10	A
Lindane	ND		ug/kg	7.01	3.13	10	A
Alpha-BHC	ND		ug/kg	7.01	1.99	10	A
Beta-BHC	ND		ug/kg	16.8	6.38	10	A
Heptachlor	ND		ug/kg	8.41	3.77	10	A
Aldrin	ND		ug/kg	16.8	5.92	10	A
Heptachlor epoxide	ND		ug/kg	31.5	9.46	10	A
Endrin	ND		ug/kg	7.01	2.87	10	A
Endrin ketone	ND		ug/kg	16.8	4.33	10	A
Dieldrin	ND		ug/kg	10.5	5.26	10	A
4,4'-DDE	ND		ug/kg	16.8	3.89	10	A
4,4'-DDD	ND		ug/kg	16.8	6.00	10	A
4,4'-DDT	ND		ug/kg	31.5	13.5	10	A
Endosulfan I	ND		ug/kg	16.8	3.97	10	A
Endosulfan II	ND		ug/kg	16.8	5.62	10	A
Endosulfan sulfate	ND		ug/kg	7.01	3.20	10	A
Methoxychlor	ND		ug/kg	31.5	9.81	10	A
Toxaphene	ND		ug/kg	315	88.3	10	A
cis-Chlordane	ND		ug/kg	21.0	5.86	10	A
trans-Chlordane	ND		ug/kg	21.0	5.55	10	A
Chlordane	ND		ug/kg	137	55.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	126		30-150	A
Decachlorobiphenyl	**297**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:34	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.9	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	124		30-150	A
DCAA	113		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:22	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.2	3.57	10	A
Lindane	ND		ug/kg	7.59	3.39	10	A
Alpha-BHC	ND		ug/kg	7.59	2.16	10	A
Beta-BHC	ND		ug/kg	18.2	6.91	10	A
Heptachlor	ND		ug/kg	9.11	4.08	10	A
Aldrin	ND		ug/kg	18.2	6.41	10	A
Heptachlor epoxide	ND		ug/kg	34.2	10.2	10	A
Endrin	ND		ug/kg	7.59	3.11	10	A
Endrin ketone	ND		ug/kg	18.2	4.69	10	A
Dieldrin	ND		ug/kg	11.4	5.69	10	A
4,4'-DDE	ND		ug/kg	18.2	4.21	10	A
4,4'-DDD	ND		ug/kg	18.2	6.50	10	A
4,4'-DDT	ND		ug/kg	34.2	14.6	10	A
Endosulfan I	ND		ug/kg	18.2	4.30	10	A
Endosulfan II	ND		ug/kg	18.2	6.09	10	A
Endosulfan sulfate	ND		ug/kg	7.59	3.47	10	A
Methoxychlor	ND		ug/kg	34.2	10.6	10	A
Toxaphene	ND		ug/kg	342	95.6	10	A
cis-Chlordane	ND		ug/kg	22.8	6.35	10	A
trans-Chlordane	ND		ug/kg	22.8	6.01	10	A
Chlordane	ND		ug/kg	148	60.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	138		30-150	A
Decachlorobiphenyl	**270**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:54	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.8	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	48		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:35	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.06	1.77	5	A
Lindane	ND		ug/kg	3.78	1.69	5	A
Alpha-BHC	ND		ug/kg	3.78	1.07	5	A
Beta-BHC	ND		ug/kg	9.06	3.44	5	A
Heptachlor	ND		ug/kg	4.53	2.03	5	A
Aldrin	ND		ug/kg	9.06	3.19	5	A
Heptachlor epoxide	ND		ug/kg	17.0	5.10	5	A
Endrin	ND		ug/kg	3.78	1.55	5	A
Endrin ketone	ND		ug/kg	9.06	2.33	5	A
Dieldrin	ND		ug/kg	5.66	2.83	5	A
4,4'-DDE	ND		ug/kg	9.06	2.10	5	A
4,4'-DDD	ND		ug/kg	9.06	3.23	5	A
4,4'-DDT	ND		ug/kg	17.0	7.29	5	A
Endosulfan I	ND		ug/kg	9.06	2.14	5	A
Endosulfan II	ND		ug/kg	9.06	3.03	5	A
Endosulfan sulfate	ND		ug/kg	3.78	1.72	5	A
Methoxychlor	ND		ug/kg	17.0	5.28	5	A
Toxaphene	ND		ug/kg	170	47.6	5	A
cis-Chlordane	ND		ug/kg	11.3	3.16	5	A
trans-Chlordane	ND		ug/kg	11.3	2.99	5	A
Chlordane	ND		ug/kg	73.6	30.0	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	**159**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 20:13	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.9	1	A
2,4,5-T	ND		ug/kg	196	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		30-150	A
DCAA	93		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:47	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.38	1.84	5	A
Lindane	ND		ug/kg	3.91	1.75	5	A
Alpha-BHC	ND		ug/kg	3.91	1.11	5	A
Beta-BHC	ND		ug/kg	9.38	3.56	5	A
Heptachlor	ND		ug/kg	4.69	2.10	5	A
Aldrin	ND		ug/kg	9.38	3.30	5	A
Heptachlor epoxide	ND		ug/kg	17.6	5.28	5	A
Endrin	ND		ug/kg	3.91	1.60	5	A
Endrin ketone	ND		ug/kg	9.38	2.42	5	A
Dieldrin	ND		ug/kg	5.86	2.93	5	A
4,4'-DDE	ND		ug/kg	9.38	2.17	5	A
4,4'-DDD	ND		ug/kg	9.38	3.34	5	A
4,4'-DDT	ND		ug/kg	17.6	7.54	5	A
Endosulfan I	ND		ug/kg	9.38	2.22	5	A
Endosulfan II	ND		ug/kg	9.38	3.13	5	A
Endosulfan sulfate	ND		ug/kg	3.91	1.79	5	A
Methoxychlor	ND		ug/kg	17.6	5.47	5	A
Toxaphene	ND		ug/kg	176	49.2	5	A
cis-Chlordane	ND		ug/kg	11.7	3.27	5	A
trans-Chlordane	ND		ug/kg	11.7	3.10	5	A
Chlordane	ND		ug/kg	76.2	31.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	A
Decachlorobiphenyl	117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 20:33	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	22.8	1	A
2,4,5-T	ND		ug/kg	188	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 05:00	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.45	10	A
Lindane	ND		ug/kg	7.34	3.28	10	A
Alpha-BHC	ND		ug/kg	7.34	2.08	10	A
Beta-BHC	ND		ug/kg	17.6	6.68	10	A
Heptachlor	ND		ug/kg	8.81	3.95	10	A
Aldrin	ND		ug/kg	17.6	6.20	10	A
Heptachlor epoxide	ND		ug/kg	33.0	9.91	10	A
Endrin	ND		ug/kg	7.34	3.01	10	A
Endrin ketone	ND		ug/kg	17.6	4.54	10	A
Dieldrin	ND		ug/kg	11.0	5.51	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.28	10	A
4,4'-DDT	ND		ug/kg	33.0	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.16	10	A
Endosulfan II	ND		ug/kg	17.6	5.89	10	A
Endosulfan sulfate	ND		ug/kg	7.34	3.36	10	A
Methoxychlor	ND		ug/kg	33.0	10.3	10	A
Toxaphene	ND		ug/kg	330	92.5	10	A
cis-Chlordane	ND		ug/kg	22.0	6.14	10	A
trans-Chlordane	ND		ug/kg	22.0	5.82	10	A
Chlordane	ND		ug/kg	143	58.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	**204**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	135		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 15:35
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 15:51

Methylation Date: 09/16/13 00:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG635979-1						
2,4-D	ND		ug/kg	166	20.2	A
2,4,5-T	ND		ug/kg	166	10.4	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/13 02:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/13/13 17:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636012-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.957	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.292	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.91	0.534	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG635979-2 WG635979-3									
2,4-D	**155**	Q	130		30-150	18		30	A
2,4,5-T	116		106		30-150	9		30	A
2,4,5-TP (Silvex)	118		109		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		107		30-150	A
DCAA	122		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636012-2 WG636012-3									
Delta-BHC	77		70		30-150	10		30	A
Lindane	79		71		30-150	11		30	A
Alpha-BHC	76		68		30-150	11		30	A
Beta-BHC	82		75		30-150	9		30	A
Heptachlor	81		73		30-150	10		30	A
Aldrin	81		74		30-150	9		30	A
Heptachlor epoxide	72		66		30-150	9		30	A
Endrin	87		80		30-150	8		30	A
Endrin ketone	67		61		30-150	9		30	A
Dieldrin	78		71		30-150	9		30	A
4,4'-DDE	75		68		30-150	10		30	A
4,4'-DDD	78		71		30-150	9		30	A
4,4'-DDT	81		74		30-150	9		30	A
Endosulfan I	77		71		30-150	8		30	A
Endosulfan II	67		62		30-150	8		30	A
Endosulfan sulfate	64		59		30-150	8		30	A
Methoxychlor	76		70		30-150	8		30	A
cis-Chlordane	75		72		30-150	4		30	A
trans-Chlordane	76		70		30-150	8		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636012-2 WG636012-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		71		30-150	A
Decachlorobiphenyl	107		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		63		30-150	B
Decachlorobiphenyl	119		106		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Barium, TCLP	0.21	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Lead, TCLP	0.35	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:22	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02
Client ID: G2_COMP-01_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	8.4	1.7	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Antimony, Total	1.7	J	mg/kg	4.2	0.67	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Arsenic, Total	39		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Barium, Total	86		mg/kg	0.84	0.25	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.42	0.08	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Cadmium, Total	0.74	J	mg/kg	0.84	0.06	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Calcium, Total	21000		mg/kg	8.4	2.5	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Cobalt, Total	10		mg/kg	1.7	0.42	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Copper, Total	81		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.2	1.7	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	4.2	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Magnesium, Total	2800		mg/kg	8.4	0.84	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Mercury, Total	0.54		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:52	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.1	0.33	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Potassium, Total	990		mg/kg	210	33.	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Selenium, Total	1.4	J	mg/kg	1.7	0.25	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Sodium, Total	180		mg/kg	170	25.	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.33	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Vanadium, Total	20		mg/kg	0.84	0.08	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Zinc, Total	160		mg/kg	4.2	0.58	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Barium, TCLP	0.66		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Lead, TCLP	0.43	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:24	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	9.2	1.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Antimony, Total	2.0	J	mg/kg	4.6	0.74	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Arsenic, Total	14		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.92	0.28	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Beryllium, Total	0.38	J	mg/kg	0.46	0.09	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Cadmium, Total	0.92		mg/kg	0.92	0.06	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Calcium, Total	14000		mg/kg	9.2	2.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Cobalt, Total	7.6		mg/kg	1.8	0.46	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Copper, Total	86		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Iron, Total	21000		mg/kg	4.6	1.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Lead, Total	220		mg/kg	4.6	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Magnesium, Total	5000		mg/kg	9.2	0.92	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Manganese, Total	280		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Mercury, Total	0.46		mg/kg	0.10	0.02	1	09/18/13 08:30	09/18/13 12:54	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.3	0.37	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Potassium, Total	770		mg/kg	230	37.	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Selenium, Total	0.91	J	mg/kg	1.8	0.28	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	180	28.	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Vanadium, Total	29		mg/kg	0.92	0.09	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Zinc, Total	230		mg/kg	4.6	0.64	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Barium, TCLP	0.53		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Lead, TCLP	0.18	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:26	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06
Client ID: G1_COMP-04S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7400		mg/kg	9.4	1.9	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Antimony, Total	5.8		mg/kg	4.7	0.75	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Arsenic, Total	17		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Barium, Total	210		mg/kg	0.94	0.28	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Beryllium, Total	0.69		mg/kg	0.47	0.09	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Cadmium, Total	1.0		mg/kg	0.94	0.07	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Calcium, Total	34000		mg/kg	9.4	2.8	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Chromium, Total	31		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Cobalt, Total	59		mg/kg	1.9	0.47	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Copper, Total	300		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Iron, Total	24000		mg/kg	4.7	1.9	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Lead, Total	640		mg/kg	4.7	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Magnesium, Total	3700		mg/kg	9.4	0.94	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Mercury, Total	0.21		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:56	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.3	0.37	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Potassium, Total	790		mg/kg	230	37.	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Selenium, Total	0.50	J	mg/kg	1.9	0.28	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Sodium, Total	520		mg/kg	190	28.	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.37	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Vanadium, Total	28		mg/kg	0.94	0.09	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	4.7	0.66	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Barium, TCLP	0.44	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.02	J	mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Lead, TCLP	0.10	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:28	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09
Client ID: G1_COMP-03D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	9.4	1.9	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Antimony, Total	2.8	J	mg/kg	4.7	0.75	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Arsenic, Total	34		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Barium, Total	87		mg/kg	0.94	0.28	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Beryllium, Total	0.45	J	mg/kg	0.47	0.09	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Cadmium, Total	2.2		mg/kg	0.94	0.07	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Calcium, Total	20000		mg/kg	9.4	2.8	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Cobalt, Total	15		mg/kg	1.9	0.47	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Copper, Total	170		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Iron, Total	42000		mg/kg	4.7	1.9	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Lead, Total	330		mg/kg	4.7	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Magnesium, Total	2400		mg/kg	9.4	0.94	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Manganese, Total	240		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Mercury, Total	1.0		mg/kg	0.09	0.02	1	09/18/13 08:30	09/18/13 12:57	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.4	0.38	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Potassium, Total	630		mg/kg	240	38.	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Selenium, Total	3.4		mg/kg	1.9	0.28	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Sodium, Total	480		mg/kg	190	28.	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Vanadium, Total	18		mg/kg	0.94	0.09	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Zinc, Total	240		mg/kg	4.7	0.66	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Barium, TCLP	0.39	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Lead, TCLP	0.04	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:30	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10 Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6900		mg/kg	8.6	1.7	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Antimony, Total	3.4	J	mg/kg	4.3	0.69	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Arsenic, Total	9.4		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Barium, Total	180		mg/kg	0.86	0.26	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Beryllium, Total	7.8		mg/kg	0.43	0.09	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Cadmium, Total	1.2		mg/kg	0.86	0.06	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Calcium, Total	110000		mg/kg	43	13.	10	09/17/13 09:20	09/19/13 09:16	EPA 3050B	1,6010C	MG
Chromium, Total	57		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Cobalt, Total	25		mg/kg	1.7	0.43	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Copper, Total	500		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Iron, Total	25000		mg/kg	4.3	1.7	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Lead, Total	410		mg/kg	4.3	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Magnesium, Total	7000		mg/kg	8.6	0.86	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Manganese, Total	850		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Mercury, Total	0.34		mg/kg	0.09	0.02	1	09/18/13 08:30	09/18/13 12:59	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.2	0.34	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Potassium, Total	810		mg/kg	220	34.	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Silver, Total	0.17	J	mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Sodium, Total	760		mg/kg	170	26.	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.86	0.09	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Zinc, Total	2500		mg/kg	22	3.0	10	09/17/13 09:20	09/19/13 09:16	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636660-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Copper, Total	0.18	J	mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636745-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:17	1,7471B	MC

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG637081-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636660-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	89		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	102		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	95		-		80-120	-		
Magnesium, Total	88		-		74-126	-		
Manganese, Total	102		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	92		-		74-127	-		
Thallium, Total	101		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636660-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636745-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG637081-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-4 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5												
Aluminum, Total	6700	173	7200	**289**	Q	-	-		75-125	-		35
Antimony, Total	1.7J	43.2	43	99		-	-		75-125	-		35
Arsenic, Total	39.	10.4	57	**173**	Q	-	-		75-125	-		35
Barium, Total	86.	173	260	100		-	-		75-125	-		35
Beryllium, Total	0.41J	4.32	4.6	106		-	-		75-125	-		35
Cadmium, Total	0.74J	4.41	5.0	113		-	-		75-125	-		35
Calcium, Total	21000	865	12000	**0**	Q	-	-		75-125	-		35
Chromium, Total	16.	17.3	33	98		-	-		75-125	-		35
Cobalt, Total	10.	43.2	53	99		-	-		75-125	-		35
Copper, Total	81.	21.6	140	**273**	Q	-	-		75-125	-		35
Iron, Total	20000	86.5	24000	**4620**	Q	-	-		75-125	-		35
Lead, Total	140	44.1	250	**249**	Q	-	-		75-125	-		35
Magnesium, Total	2800	865	2800	**0**	Q	-	-		75-125	-		35
Manganese, Total	180	43.2	210	**69**	Q	-	-		75-125	-		35
Nickel, Total	23.	43.2	60	86		-	-		75-125	-		35
Potassium, Total	990	865	1800	94		-	-		75-125	-		35
Selenium, Total	1.4J	10.4	12	116		-	-		75-125	-		35
Silver, Total	ND	26	26	100		-	-		75-125	-		35
Sodium, Total	180	865	1000	95		-	-		75-125	-		35
Thallium, Total	ND	10.4	8.7	84		-	-		75-125	-		35
Vanadium, Total	20.	43.2	62	97		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-4 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5									
Zinc, Total	160	43.2	210	116	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636745-4 QC Sample: L1317416-03 Client ID: MS Sample									
Mercury, Total	ND	0.2	0.15	75	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0246	98	-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637081-4 QC Sample: L1318237-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.2	100	-	-	75-125	-	20
Barium, TCLP	0.46J	20	21	105	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106	-	-	75-125	-	20
Chromium, TCLP	0.03J	2	2.0	100	-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
Aluminum, Total	6700	6000	mg/kg	11		35
Antimony, Total	1.7J	1.5J	mg/kg	NC		35
Arsenic, Total	39.	34	mg/kg	14		35
Barium, Total	86.	88	mg/kg	2		35
Beryllium, Total	0.41J	0.44	mg/kg	NC		35
Cadmium, Total	0.74J	0.76J	mg/kg	NC		35
Calcium, Total	21000	13000	mg/kg	**47**	Q	35
Chromium, Total	16.	14	mg/kg	13		35
Cobalt, Total	10.	12	mg/kg	18		35
Copper, Total	81.	78	mg/kg	4		35
Iron, Total	20000	20000	mg/kg	0		35
Lead, Total	140	150	mg/kg	7		35
Magnesium, Total	2800	2200	mg/kg	24		35
Manganese, Total	180	170	mg/kg	6		35
Nickel, Total	23.	22	mg/kg	4		35
Potassium, Total	990	1000	mg/kg	1		35
Selenium, Total	1.4J	1.5J	mg/kg	NC		35
Silver, Total	ND	0.17J	mg/kg	NC		35
Sodium, Total	180	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	20.	17	mg/kg	16	35
Zinc, Total	160	170	mg/kg	6	35
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636745-3 QC Sample: L1317416-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637081-3 QC Sample: L1318237-01 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-01
Client ID: G2_SB-01B_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02
Client ID: G2_COMP-01_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.89	0.89	1	-	09/19/13 11:30	107,-	JO
Solids, Total	90.1		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:27	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.42	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:08	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/18/13 10:00	1,9095A	ST

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03
Client ID: G1_SB-04A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.95	0.95	1	-	09/19/13 11:30	107,-	JO
Solids, Total	84.5		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:28	1,9010C/9012A	JO
pH (H)	7.9		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.65	J	mg/kg	0.95	0.21	1	09/13/13 19:30	09/15/13 20:09	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05
Client ID: G1_SB-04A_2-2.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06
Client ID: G1_COMP-04S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	31		mg/kg	0.96	0.96	1	-	09/19/13 11:30	107,-	JO
Solids, Total	83.5		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:29	1,9010C/9012A	JO
pH (H)	9.4		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.71	J	mg/kg	0.96	0.22	1	09/13/13 19:30	09/15/13 20:10	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-07
Client ID: G1_SB-03B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08
Client ID: G1_SB-03B_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.3		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09
Client ID: G1_COMP-03D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	0.96	0.96	1	-	09/19/13 11:30	107,-	JO
Solids, Total	82.9		%	0.100	NA	1	-	09/17/13 22:28	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	09/16/13 10:50	09/16/13 15:13	1,9010C/9012A	JO
pH (H)	8.0		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.39	J	mg/kg	0.96	0.22	1	09/13/13 19:30	09/15/13 20:11	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10
Client ID: G1_COMP-03S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	57		mg/kg	0.91	0.91	1	-	09/19/13 11:30	107,-	JO
Solids, Total	88.2		%	0.100	NA	1	-	09/17/13 22:28	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/16/13 10:50	09/16/13 15:13	1,9010C/9012A	JO
pH (H)	8.4		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.68	J	mg/kg	0.91	0.20	1	09/13/13 19:30	09/15/13 20:12	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636073-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/13/13 19:30	09/15/13 19:53	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636222-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	09/15/13 12:30	09/16/13 13:22	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 09-10 Batch: WG636339-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	09/16/13 10:50	09/16/13 15:03	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636007-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636073-2								
Chromium, Hexavalent	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636222-4 WG636222-5								
Cyanide, Total	99		100		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 09-10 Batch: WG636339-2 WG636339-3								
Cyanide, Total	98		96		80-120	2		35
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636073-5 QC Sample: L1318001-02 Client ID: MS Sample												
Chromium, Hexavalent	0.74J	1440	1200	84		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636222-3 WG636222-2 QC Sample: L1318024-02 Client ID: MS Sample												
Cyanide, Total	ND	14	14	100		13	96		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG636339-4 WG636339-5 QC Sample: L1318149-02 Client ID: MS Sample												
Cyanide, Total	ND	10	10	99		9.9	98		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636007-2 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
pH (H)	8.2	8.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636073-4 QC Sample: L1318001-02 Client ID: DUP Sample						
Chromium, Hexavalent	0.74J	0.55J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG636230-1 QC Sample: L1318018-31 Client ID: DUP Sample						
Solids, Total	88.3	87.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG636930-1 QC Sample: L1318009-09 Client ID: G1_COMP-03D_5-10						
Solids, Total	82.9	83.3	%	0		20

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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/13/2013 11:48

Cooler Information	Custody Seal
Cooler	
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-01A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-02A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-02B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-02C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-02E	Amber 120ml unpreserved	B	N/A	6	Y	Absent	PAINTF()
L1318009-02X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-03A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-04A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-04B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-04C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-04X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-05A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-06A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-06B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-06C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-06X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-07A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-08A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-09A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-09B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-09C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-09X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-10A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-10B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-10C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-10X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

Container Comments

L1318009-09B

L1318009-10B

L1318009-10C

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318009
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318009

Client Information

Client: Langan, D.P.C.

Address: 360 W. 31st St, 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 20139103

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, Tri Chrom, TCLP Metals, RCRA 3 Char	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	Paint Filter	Sample Specific Comments	Total # Bottles
18009-01	G2SB-1B (2.5-3)	9/12/13	12:45	soil	NB	X	X	X					4
-02	G2_Comp.-01_0-5	9/12/13	12:45	soil	NB		X		X	X	X		4
-03	G1SB-04A (9-9.5)	9/12/13	14:30	soil	NB	X	X	X					4
-04	G1_Comp_04D_5-10	9/12/13	14:30	soil	NB		X		X	X			3
-05	G1SB-04A (2-2.5)	9/12/13	14:30	soil	NB	X	X	X					4
-06	G1_Comp_04S_0-5		14:30		NB		X		X	X			3
-07	G1SB-03B (4-4.5)		15:40		NB	X	X	X					4
-08	G1SB-03B (9-9.5)		15:40		NB	X	X	X					4
-09	G1_Comp-03D_5-10		15:40		NB		X		X	X			3
-10	G1_Comp-03S_0-5		15:40		NB		X		X	X			3

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

Container Type

Preservative

Cooler B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9/12/13 1710
[signature]		[signature]	9/13/13 0900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318158
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/25/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318158-01	G1_SB-05B_8-8.5	BROOKLYN, NY	09/12/13 17:00
L1318158-02	G1_SB-05B_3-3.5	BROOKLYN, NY	09/12/13 17:00
L1318158-03	G1_COMP-05D_5-10	BROOKLYN, NY	09/12/13 17:00
L1318158-04	G1_COMP-05S_0-5	BROOKLYN, NY	09/12/13 17:00
L1318158-05	G1_SB-06A_3-3.5	BROOKLYN, NY	09/13/13 08:55
L1318158-06	G1_SB-06A_7-7.5	BROOKLYN, NY	09/13/13 09:00
L1318158-07	G1_COMP-06S_0-5	BROOKLYN, NY	09/13/13 09:05
L1318158-08	G1_COMP-06D_5-10	BROOKLYN, NY	09/13/13 09:10
L1318158-09	G1_SB-04B_4-4.5	BROOKLYN, NY	09/13/13 10:25
L1318158-10	G1_SB-04A_9-9.5	BROOKLYN, NY	09/13/13 10:30
L1318158-11	G1_COMP-01D_5-10	BROOKLYN, NY	09/13/13 10:50
L1318158-12	G1_COMP-01S_0-5	BROOKLYN, NY	09/13/13 10:45
L1318158-13	G1_DUP_091313_4-4.5	BROOKLYN, NY	09/13/13 11:15
L1318158-14	G1_COMP-DUP_091313_S	BROOKLYN, NY	09/13/13 11:20
L1318158-15	TB03_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318158
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1318158-05 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.
L1318158-06 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1318158-14 has elevated detection limits due to the dilution required by the sample matrix.

Organochlorine Pesticides

L1318158-03, -04, -07, -08, -11, -12, and -14 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318158-03, -04, -07, -08, -11, -12, and -14 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.
The WG637358-4 MS recoveries, performed on L1318158-03, are outside the acceptance criteria for arsenic (136%) and thallium (69%). A post digestion spike was performed with acceptable recoveries for arsenic (98%) and thallium (80%).
The WG637358-4 MS recoveries for aluminum (818%), calcium (436%), copper (392%), iron (0%), lead (1820%), magnesium (185%), manganese (0%), and zinc (0%), performed on L1318158-03, do not apply because the sample concentrations are greater than four times the spike amount added.
The WG637778-4 MS recovery, performed on L1318158-03, is below the acceptance criteria for mercury

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

(26%). A post digestion spike was performed with an acceptable recovery of 102%.

The WG637358-3 Laboratory Duplicate RPDs, performed on L1318158-03, are outside the acceptance criteria for arsenic (50%), beryllium (53%), cadmium (37%), chromium (61%), copper (58%), lead (49%), sodium (50%), and zinc (67%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-01	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 11:41		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.23	1
Chloroform	ND		ug/kg	2.0	0.49	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.40	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.6	0.60	1
Bromoform	ND		ug/kg	5.3	0.55	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.6	1.0	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.32	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-01 Date Collected: 09/12/13 17:00

Client ID: G1_SB-05B_8-8.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.6	0.14	1
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.6	0.41	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	7.8	J	ug/kg	13	4.1	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.47	1
Vinyl acetate	ND		ug/kg	13	0.63	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.3	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Bromobenzene	ND		ug/kg	6.6	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.6	0.74	1
o-Chlorotoluene	ND		ug/kg	6.6	0.21	1
p-Chlorotoluene	ND		ug/kg	6.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.56	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.6	1.0	1
Acrylonitrile	ND		ug/kg	13	0.31	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	0.75	1
Methyl Acetate	ND		ug/kg	26	1.0	1
Cyclohexane	ND		ug/kg	26	1.4	1
1,4-Dioxane	ND		ug/kg	130	23.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-01	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	26	0.36	1
p-Diethylbenzene	ND		ug/kg	5.3	0.21	1
p-Ethyltoluene	ND		ug/kg	5.3	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.3	0.17	1
Ethyl ether	ND		ug/kg	6.6	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	0.59	1
Methyl cyclohexane	ND		ug/kg	5.3	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-02	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:05		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	920	180	1
1,1-Dichloroethane	ND		ug/kg	140	16.	1
Chloroform	ND		ug/kg	140	34.	1
Carbon tetrachloride	ND		ug/kg	92	19.	1
1,2-Dichloropropane	ND		ug/kg	320	21.	1
Dibromochloromethane	ND		ug/kg	92	28.	1
1,1,2-Trichloroethane	ND		ug/kg	140	28.	1
Tetrachloroethene	ND		ug/kg	92	13.	1
Chlorobenzene	ND		ug/kg	92	32.	1
Trichlorofluoromethane	ND		ug/kg	460	11.	1
1,2-Dichloroethane	ND		ug/kg	92	13.	1
1,1,1-Trichloroethane	ND		ug/kg	92	10.	1
Bromodichloromethane	ND		ug/kg	92	21.	1
trans-1,3-Dichloropropene	ND		ug/kg	92	11.	1
cis-1,3-Dichloropropene	ND		ug/kg	92	12.	1
1,1-Dichloropropene	ND		ug/kg	460	42.	1
Bromoform	ND		ug/kg	370	38.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	92	16.	1
Benzene	210		ug/kg	92	11.	1
Toluene	430		ug/kg	140	10.	1
Ethylbenzene	90	J	ug/kg	92	14.	1
Chloromethane	ND		ug/kg	460	72.	1
Bromomethane	ND		ug/kg	180	31.	1
Vinyl chloride	ND		ug/kg	180	13.	1
Chloroethane	ND		ug/kg	180	29.	1
1,1-Dichloroethene	ND		ug/kg	92	19.	1
trans-1,2-Dichloroethene	ND		ug/kg	140	19.	1
Trichloroethene	ND		ug/kg	92	14.	1
1,2-Dichlorobenzene	ND		ug/kg	460	17.	1
1,3-Dichlorobenzene	ND		ug/kg	460	17.	1
1,4-Dichlorobenzene	ND		ug/kg	460	22.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-02 Date Collected: 09/12/13 17:00

Client ID: G1_SB-05B_3-3.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	180	9.6	1
p/m-Xylene	410		ug/kg	180	30.	1
o-Xylene	180		ug/kg	180	25.	1
cis-1,2-Dichloroethene	ND		ug/kg	92	14.	1
Dibromomethane	ND		ug/kg	920	15.	1
Styrene	ND		ug/kg	180	28.	1
Dichlorodifluoromethane	ND		ug/kg	920	20.	1
Acetone	ND		ug/kg	920	280	1
Carbon disulfide	ND		ug/kg	920	180	1
2-Butanone	ND		ug/kg	920	33.	1
Vinyl acetate	ND		ug/kg	920	44.	1
4-Methyl-2-pentanone	ND		ug/kg	920	22.	1
1,2,3-Trichloropropane	ND		ug/kg	920	21.	1
2-Hexanone	ND		ug/kg	920	17.	1
Bromochloromethane	ND		ug/kg	460	18.	1
2,2-Dichloropropane	ND		ug/kg	460	21.	1
1,2-Dibromoethane	ND		ug/kg	370	16.	1
1,3-Dichloropropane	ND		ug/kg	460	16.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	92	29.	1
Bromobenzene	ND		ug/kg	460	19.	1
n-Butylbenzene	ND		ug/kg	92	18.	1
sec-Butylbenzene	ND		ug/kg	92	19.	1
tert-Butylbenzene	ND		ug/kg	460	52.	1
o-Chlorotoluene	ND		ug/kg	460	15.	1
p-Chlorotoluene	ND		ug/kg	460	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	460	73.	1
Hexachlorobutadiene	ND		ug/kg	460	39.	1
Isopropylbenzene	27	J	ug/kg	92	15.	1
p-Isopropyltoluene	23	J	ug/kg	92	18.	1
Naphthalene	330	J	ug/kg	460	71.	1
Acrylonitrile	ND		ug/kg	920	22.	1
n-Propylbenzene	32	J	ug/kg	92	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	460	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	460	73.	1
1,3,5-Trimethylbenzene	160	J	ug/kg	460	13.	1
1,2,4-Trimethylbenzene	240	J	ug/kg	460	53.	1
Methyl Acetate	300	J	ug/kg	1800	70.	1
Cyclohexane	350	J	ug/kg	1800	99.	1
1,4-Dioxane	ND		ug/kg	9200	1600	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-02	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1800	25.	1
p-Diethylbenzene	ND		ug/kg	370	15.	1
p-Ethyltoluene	140	J	ug/kg	370	11.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	370	12.	1
Ethyl ether	ND		ug/kg	460	24.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	460	41.	1
Methyl cyclohexane	1200		ug/kg	370	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-05	Date Collected:	09/13/13 08:55
Client ID:	G1_SB-06A_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 19:59		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.2	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.29	1
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.7	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.49	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.56	1
Trichlorofluoromethane	ND		ug/kg	8.1	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.1	0.74	1
Bromoform	ND		ug/kg	6.5	0.67	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	0.65	J	ug/kg	2.4	0.18	1
Ethylbenzene	1.1	J	ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.1	1.3	1
Bromomethane	ND		ug/kg	3.2	0.55	1
Vinyl chloride	ND		ug/kg	3.2	0.23	1
Chloroethane	ND		ug/kg	3.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.1	0.39	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05 Date Collected: 09/13/13 08:55

Client ID: G1_SB-06A_3-3.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.2	0.17	1
p/m-Xylene	4.2		ug/kg	3.2	0.52	1
o-Xylene	3.4		ug/kg	3.2	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	1.3	J	ug/kg	3.2	0.50	1
Dichlorodifluoromethane	ND		ug/kg	16	0.35	1
Acetone	32		ug/kg	16	5.0	1
Carbon disulfide	ND		ug/kg	16	3.2	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.36	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	8.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.1	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.5	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.1	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.1	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.33	1
tert-Butylbenzene	ND		ug/kg	8.1	0.91	1
o-Chlorotoluene	ND		ug/kg	8.1	0.26	1
p-Chlorotoluene	ND		ug/kg	8.1	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.1	0.68	1
Isopropylbenzene	0.59	J	ug/kg	1.6	0.27	1
p-Isopropyltoluene	28		ug/kg	1.6	0.31	1
Naphthalene	6600	E	ug/kg	8.1	1.2	1
Acrylonitrile	ND		ug/kg	16	0.38	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.1	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.1	1.3	1
1,3,5-Trimethylbenzene	8.2		ug/kg	8.1	0.23	1
1,2,4-Trimethylbenzene	17		ug/kg	8.1	0.93	1
Methyl Acetate	ND		ug/kg	32	1.2	1
Cyclohexane	ND		ug/kg	32	1.7	1
1,4-Dioxane	ND		ug/kg	160	28.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-05	Date Collected:	09/13/13 08:55
Client ID:	G1_SB-06A_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	32	0.44	1
p-Diethylbenzene	11		ug/kg	6.5	0.26	1
p-Ethyltoluene	7.2		ug/kg	6.5	0.19	1
1,2,4,5-Tetramethylbenzene	3.5	J	ug/kg	6.5	0.21	1
Ethyl ether	ND		ug/kg	8.1	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.1	0.73	1
Methyl cyclohexane	ND		ug/kg	6.5	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-05	D	Date Collected:	09/13/13 08:55
Client ID:	G1_SB-06A_3-3.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 14:57			
Analyst:	BN			
Percent Solids:	79%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	3800	J	ug/kg	5600	1100	5
1,1-Dichloroethane	ND		ug/kg	840	100	5
Chloroform	ND		ug/kg	840	210	5
Carbon tetrachloride	ND		ug/kg	560	120	5
1,2-Dichloropropane	ND		ug/kg	2000	130	5
Dibromochloromethane	ND		ug/kg	560	170	5
1,1,2-Trichloroethane	ND		ug/kg	840	170	5
Tetrachloroethene	ND		ug/kg	560	79.	5
Chlorobenzene	ND		ug/kg	560	190	5
Trichlorofluoromethane	ND		ug/kg	2800	68.	5
1,2-Dichloroethane	ND		ug/kg	560	82.	5
1,1,1-Trichloroethane	ND		ug/kg	560	62.	5
Bromodichloromethane	ND		ug/kg	560	130	5
trans-1,3-Dichloropropene	ND		ug/kg	560	68.	5
cis-1,3-Dichloropropene	ND		ug/kg	560	71.	5
1,1-Dichloropropene	ND		ug/kg	2800	260	5
Bromoform	ND		ug/kg	2200	230	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	560	96.	5
Benzene	ND		ug/kg	560	66.	5
Toluene	180	J	ug/kg	840	63.	5
Ethylbenzene	ND		ug/kg	560	83.	5
Chloromethane	ND		ug/kg	2800	440	5
Bromomethane	ND		ug/kg	1100	190	5
Vinyl chloride	ND		ug/kg	1100	79.	5
Chloroethane	ND		ug/kg	1100	180	5
1,1-Dichloroethene	ND		ug/kg	560	120	5
trans-1,2-Dichloroethene	ND		ug/kg	840	120	5
Trichloroethene	ND		ug/kg	560	85.	5
1,2-Dichlorobenzene	ND		ug/kg	2800	100	5
1,3-Dichlorobenzene	ND		ug/kg	2800	100	5
1,4-Dichlorobenzene	ND		ug/kg	2800	140	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05 D Date Collected: 09/13/13 08:55

Client ID: G1_SB-06A_3-3.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1100	58.	5
p/m-Xylene	210	J	ug/kg	1100	180	5
o-Xylene	ND		ug/kg	1100	150	5
cis-1,2-Dichloroethene	ND		ug/kg	560	84.	5
Dibromomethane	ND		ug/kg	5600	92.	5
Styrene	ND		ug/kg	1100	170	5
Dichlorodifluoromethane	ND		ug/kg	5600	120	5
Acetone	ND		ug/kg	5600	1700	5
Carbon disulfide	ND		ug/kg	5600	1100	5
2-Butanone	ND		ug/kg	5600	200	5
Vinyl acetate	ND		ug/kg	5600	270	5
4-Methyl-2-pentanone	ND		ug/kg	5600	140	5
1,2,3-Trichloropropane	ND		ug/kg	5600	130	5
2-Hexanone	ND		ug/kg	5600	100	5
Bromochloromethane	ND		ug/kg	2800	110	5
2,2-Dichloropropane	ND		ug/kg	2800	130	5
1,2-Dibromoethane	ND		ug/kg	2200	100	5
1,3-Dichloropropane	ND		ug/kg	2800	97.	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	560	180	5
Bromobenzene	ND		ug/kg	2800	120	5
n-Butylbenzene	ND		ug/kg	560	110	5
sec-Butylbenzene	ND		ug/kg	560	120	5
tert-Butylbenzene	ND		ug/kg	2800	310	5
o-Chlorotoluene	ND		ug/kg	2800	90.	5
p-Chlorotoluene	ND		ug/kg	2800	86.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	2800	440	5
Hexachlorobutadiene	ND		ug/kg	2800	240	5
Isopropylbenzene	ND		ug/kg	560	94.	5
p-Isopropyltoluene	160	J	ug/kg	560	110	5
Naphthalene	100000		ug/kg	2800	430	5
Acrylonitrile	ND		ug/kg	5600	130	5
n-Propylbenzene	ND		ug/kg	560	70.	5
1,2,3-Trichlorobenzene	ND		ug/kg	2800	94.	5
1,2,4-Trichlorobenzene	ND		ug/kg	2800	440	5
1,3,5-Trimethylbenzene	ND		ug/kg	2800	80.	5
1,2,4-Trimethylbenzene	ND		ug/kg	2800	320	5
Methyl Acetate	ND		ug/kg	11000	430	5
Cyclohexane	ND		ug/kg	11000	600	5
1,4-Dioxane	ND		ug/kg	56000	9800	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05 D
Client ID: G1_SB-06A_3-3.5
Sample Location: BROOKLYN, NY

Date Collected: 09/13/13 08:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Freon-113	ND		ug/kg	11000	150	5
p-Diethylbenzene	ND		ug/kg	2200	90.	5
p-Ethyltoluene	120	J	ug/kg	2200	66.	5
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2200	73.	5
Ethyl ether	ND		ug/kg	2800	150	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	2800	250	5
Methyl cyclohexane	ND		ug/kg	2200	710	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-06	D	Date Collected:	09/13/13 09:00
Client ID:	G1_SB-06A_7-7.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 13:33			
Analyst:	BN			
Percent Solids:	64%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	28000	5600	25
1,1-Dichloroethane	ND		ug/kg	4200	500	25
Chloroform	ND		ug/kg	4200	1000	25
Carbon tetrachloride	ND		ug/kg	2800	590	25
1,2-Dichloropropane	ND		ug/kg	9900	640	25
Dibromochloromethane	ND		ug/kg	2800	870	25
1,1,2-Trichloroethane	ND		ug/kg	4200	860	25
Tetrachloroethene	ND		ug/kg	2800	400	25
Chlorobenzene	ND		ug/kg	2800	980	25
Trichlorofluoromethane	ND		ug/kg	14000	340	25
1,2-Dichloroethane	ND		ug/kg	2800	410	25
1,1,1-Trichloroethane	ND		ug/kg	2800	310	25
Bromodichloromethane	ND		ug/kg	2800	650	25
trans-1,3-Dichloropropene	ND		ug/kg	2800	340	25
cis-1,3-Dichloropropene	ND		ug/kg	2800	360	25
1,1-Dichloropropene	ND		ug/kg	14000	1300	25
Bromoform	ND		ug/kg	11000	1200	25
1,1,2,2-Tetrachloroethane	ND		ug/kg	2800	480	25
Benzene	ND		ug/kg	2800	330	25
Toluene	770	J	ug/kg	4200	320	25
Ethylbenzene	ND		ug/kg	2800	420	25
Chloromethane	ND		ug/kg	14000	2200	25
Bromomethane	ND		ug/kg	5600	960	25
Vinyl chloride	ND		ug/kg	5600	400	25
Chloroethane	ND		ug/kg	5600	890	25
1,1-Dichloroethene	ND		ug/kg	2800	580	25
trans-1,2-Dichloroethene	ND		ug/kg	4200	600	25
Trichloroethene	ND		ug/kg	2800	430	25
1,2-Dichlorobenzene	ND		ug/kg	14000	520	25
1,3-Dichlorobenzene	ND		ug/kg	14000	520	25
1,4-Dichlorobenzene	ND		ug/kg	14000	680	25

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-06 D Date Collected: 09/13/13 09:00

Client ID: G1_SB-06A_7-7.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5600	290	25
p/m-Xylene	ND		ug/kg	5600	910	25
o-Xylene	ND		ug/kg	5600	760	25
cis-1,2-Dichloroethene	ND		ug/kg	2800	420	25
Dibromomethane	ND		ug/kg	28000	460	25
Styrene	ND		ug/kg	5600	870	25
Dichlorodifluoromethane	ND		ug/kg	28000	620	25
Acetone	ND		ug/kg	28000	8800	25
Carbon disulfide	ND		ug/kg	28000	5600	25
2-Butanone	ND		ug/kg	28000	1000	25
Vinyl acetate	ND		ug/kg	28000	1400	25
4-Methyl-2-pentanone	ND		ug/kg	28000	690	25
1,2,3-Trichloropropane	ND		ug/kg	28000	640	25
2-Hexanone	ND		ug/kg	28000	530	25
Bromochloromethane	ND		ug/kg	14000	560	25
2,2-Dichloropropane	ND		ug/kg	14000	640	25
1,2-Dibromoethane	ND		ug/kg	11000	500	25
1,3-Dichloropropane	ND		ug/kg	14000	490	25
1,1,1,2-Tetrachloroethane	ND		ug/kg	2800	900	25
Bromobenzene	ND		ug/kg	14000	590	25
n-Butylbenzene	ND		ug/kg	2800	560	25
sec-Butylbenzene	ND		ug/kg	2800	580	25
tert-Butylbenzene	ND		ug/kg	14000	1600	25
o-Chlorotoluene	ND		ug/kg	14000	450	25
p-Chlorotoluene	ND		ug/kg	14000	430	25
1,2-Dibromo-3-chloropropane	ND		ug/kg	14000	2200	25
Hexachlorobutadiene	ND		ug/kg	14000	1200	25
Isopropylbenzene	ND		ug/kg	2800	470	25
p-Isopropyltoluene	73000		ug/kg	2800	540	25
Naphthalene	ND		ug/kg	14000	2200	25
Acrylonitrile	ND		ug/kg	28000	670	25
n-Propylbenzene	ND		ug/kg	2800	360	25
1,2,3-Trichlorobenzene	ND		ug/kg	14000	470	25
1,2,4-Trichlorobenzene	ND		ug/kg	14000	2200	25
1,3,5-Trimethylbenzene	ND		ug/kg	14000	400	25
1,2,4-Trimethylbenzene	ND		ug/kg	14000	1600	25
Methyl Acetate	ND		ug/kg	56000	2200	25
Cyclohexane	ND		ug/kg	56000	3000	25
1,4-Dioxane	ND		ug/kg	280000	49000	25

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-06	D	Date Collected:	09/13/13 09:00
Client ID:	G1_SB-06A_7-7.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	56000	770	25
p-Diethylbenzene	ND		ug/kg	11000	450	25
p-Ethyltoluene	ND		ug/kg	11000	330	25
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11000	370	25
Ethyl ether	ND		ug/kg	14000	750	25
trans-1,4-Dichloro-2-butene	ND		ug/kg	14000	1300	25
Methyl cyclohexane	ND		ug/kg	11000	3600	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-09	Date Collected:	09/13/13 10:25
Client ID:	G1_SB-04B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 12:10		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.18	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.47	1
Bromoform	ND		ug/kg	4.2	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.81	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-09 Date Collected: 09/13/13 10:25

Client ID: G1_SB-04B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.33	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.16	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.23	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.20	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.82	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.80	1
Acrylonitrile	ND		ug/kg	10	0.25	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.59	1
Methyl Acetate	ND		ug/kg	21	0.79	1
Cyclohexane	ND		ug/kg	21	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-09	Date Collected:	09/13/13 10:25
Client ID:	G1_SB-04B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.28	1
p-Diethylbenzene	ND		ug/kg	4.2	0.16	1
p-Ethyltoluene	ND		ug/kg	4.2	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.46	1
Methyl cyclohexane	ND		ug/kg	4.2	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-10	Date Collected:	09/13/13 10:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 11:50		
Analyst:	BN		
Percent Solids:	67%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.3	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.29	1
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.35	1
1,2-Dichloropropane	ND		ug/kg	5.8	0.38	1
Dibromochloromethane	ND		ug/kg	1.6	0.51	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.50	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.75	1
Bromoform	ND		ug/kg	6.6	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Bromomethane	ND		ug/kg	3.3	0.56	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	1.6		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-10 Date Collected: 09/13/13 10:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.3	0.17	1
p/m-Xylene	ND		ug/kg	3.3	0.53	1
o-Xylene	ND		ug/kg	3.3	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.51	1
Dichlorodifluoromethane	ND		ug/kg	16	0.36	1
Acetone	12	J	ug/kg	16	5.1	1
Carbon disulfide	ND		ug/kg	16	3.3	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.37	1
2-Hexanone	ND		ug/kg	16	0.31	1
Bromochloromethane	ND		ug/kg	8.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	8.2	0.92	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.70	1
Isopropylbenzene	ND		ug/kg	1.6	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.32	1
Naphthalene	ND		ug/kg	8.2	1.3	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.2	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.2	0.94	1
Methyl Acetate	ND		ug/kg	33	1.2	1
Cyclohexane	ND		ug/kg	33	1.8	1
1,4-Dioxane	ND		ug/kg	160	29.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-10	Date Collected:	09/13/13 10:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	33	0.45	1
p-Diethylbenzene	ND		ug/kg	6.6	0.26	1
p-Ethyltoluene	ND		ug/kg	6.6	0.19	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.21	1
Ethyl ether	ND		ug/kg	8.2	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.74	1
Methyl cyclohexane	ND		ug/kg	6.6	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-13	Date Collected:	09/13/13 11:15
Client ID:	G1_DUP_091313_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 12:33		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.34	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.45	1
Bromoform	ND		ug/kg	4.0	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-13 Date Collected: 09/13/13 11:15

Client ID: G1_DUP_091313_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	ND		ug/kg	10	3.1	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.35	1
Vinyl acetate	ND		ug/kg	10	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.22	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.20	1
tert-Butylbenzene	ND		ug/kg	5.0	0.56	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.0	0.77	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57	1
Methyl Acetate	ND		ug/kg	20	0.76	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-13	Date Collected:	09/13/13 11:15
Client ID:	G1_DUP_091313_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.44	1
Methyl cyclohexane	ND		ug/kg	4.0	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-15	Date Collected:	09/13/13 00:00
Client ID:	TB03_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 11:37		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-15 Date Collected: 09/13/13 00:00

Client ID: TB03_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-15	Date Collected:	09/13/13 00:00
Client ID:	TB03_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 14:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638138-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.29	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 14:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638138-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 14:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638138-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	0.36	J	ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,13 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,13 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,13 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG638370-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG638370-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG638370-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG638603-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG638603-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG638603-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09 Batch: WG638612-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09 Batch: WG638612-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09 Batch: WG638612-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
Methylene chloride	76		73		70-130	4		30
1,1-Dichloroethane	85		84		70-130	1		30
Chloroform	84		86		70-130	2		30
Carbon tetrachloride	88		87		70-130	1		30
1,2-Dichloropropane	84		82		70-130	2		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	93		93		70-130	0		30
Tetrachloroethene	98		95		70-130	3		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	76		76		70-139	0		30
1,2-Dichloroethane	84		82		70-130	2		30
1,1,1-Trichloroethane	87		84		70-130	4		30
Bromodichloromethane	84		82		70-130	2		30
trans-1,3-Dichloropropene	90		90		70-130	0		30
cis-1,3-Dichloropropene	82		80		70-130	2		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	98		94		70-130	4		30
1,1,2,2-Tetrachloroethane	96		95		70-130	1		30
Benzene	86		85		70-130	1		30
Toluene	97		94		70-130	3		30
Ethylbenzene	94		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
Chloromethane	84		84		52-130	0		30
Bromomethane	80		80		57-147	0		30
Vinyl chloride	78		77		67-130	1		30
Chloroethane	80		78		50-151	3		30
1,1-Dichloroethene	87		87		65-135	0		30
trans-1,2-Dichloroethene	88		86		70-130	2		30
Trichloroethene	87		85		70-130	2		30
1,2-Dichlorobenzene	97		95		70-130	2		30
1,3-Dichlorobenzene	99		96		70-130	3		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	82		82		66-130	0		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	86		85		70-130	1		30
Dibromomethane	84		84		70-130	0		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	70		69		30-146	1		30
Acetone	80		66		54-140	19		30
Carbon disulfide	85		83		59-130	2		30
2-Butanone	92		81		70-130	13		30
Vinyl acetate	77		76		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
4-Methyl-2-pentanone	83		83		70-130	0		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	93		84		70-130	10		30
Bromochloromethane	88		85		70-130	3		30
2,2-Dichloropropane	88		85		70-130	3		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	91		91		69-130	0		30
1,1,1,2-Tetrachloroethane	95		92		70-130	3		30
Bromobenzene	95		92		70-130	3		30
n-Butylbenzene	99		96		70-130	3		30
sec-Butylbenzene	98		94		70-130	4		30
tert-Butylbenzene	97		94		70-130	3		30
o-Chlorotoluene	98		95		70-130	3		30
p-Chlorotoluene	96		93		70-130	3		30
1,2-Dibromo-3-chloropropane	97		96		68-130	1		30
Hexachlorobutadiene	98		95		67-130	3		30
Isopropylbenzene	95		91		70-130	4		30
p-Isopropyltoluene	99		95		70-130	4		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	86		88		70-130	2		30
Isopropyl Ether	81		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	96		92		70-130	4		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30
1,2,4-Trichlorobenzene	99		96		70-130	3		30
1,3,5-Trimethylbenzene	98		94		70-130	4		30
1,2,4-Trimethylbenzene	98		95		70-130	3		30
Methyl Acetate	86		86		51-146	0		30
Ethyl Acetate	84		83		70-130	1		30
Acrolein	88		86		70-130	2		30
Cyclohexane	73		72		59-142	1		30
1,4-Dioxane	94		95		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	75		73		50-139	3		30
1,4-Diethylbenzene	99		96		70-130	3		30
4-Ethyltoluene	97		93		70-130	4		30
1,2,4,5-Tetramethylbenzene	97		95		70-130	2		30
Tetrahydrofuran	82		82		66-130	0		30
Ethyl ether	75		74		67-130	1		30
trans-1,4-Dichloro-2-butene	93		93		70-130	0		30
Methyl cyclohexane	72		70		70-130	3		30
Ethyl-Tert-Butyl-Ether	82		81		70-130	1		30
Tertiary-Amyl Methyl Ether	84		84		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
Methylene chloride	104		105		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		102		70-130	3		30
1,2-Dichloropropane	100		103		70-130	3		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	106		105		70-139	1		30
1,2-Dichloroethane	102		104		70-130	2		30
1,1,1-Trichloroethane	102		102		70-130	0		30
Bromodichloromethane	99		103		70-130	4		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	94		97		70-130	3		30
1,1-Dichloropropene	101		102		70-130	1		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	90		92		70-130	2		30
Benzene	102		103		70-130	1		30
Toluene	96		97		70-130	1		30
Ethylbenzene	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
Chloromethane	99		99		52-130	0		30
Bromomethane	115		113		57-147	2		30
Vinyl chloride	101		101		67-130	0		30
Chloroethane	122		126		50-151	3		30
1,1-Dichloroethene	101		98		65-135	3		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	97		100		66-130	3		30
p/m-Xylene	99		100		70-130	1		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	100		102		70-130	2		30
Styrene	100		101		70-130	1		30
Dichlorodifluoromethane	93		93		30-146	0		30
Acetone	**143**	Q	138		54-140	4		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	**132**	Q	**132**	Q	70-130	0		30
Vinyl acetate	91		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	106		105		70-130	1		30
Bromochloromethane	106		105		70-130	1		30
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	92		96		70-130	4		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	94		95		70-130	1		30
Bromobenzene	97		98		70-130	1		30
n-Butylbenzene	100		100		70-130	0		30
sec-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	99		98		70-130	1		30
1,2-Dibromo-3-chloropropane	86		84		68-130	2		30
Hexachlorobutadiene	98		98		67-130	0		30
Isopropylbenzene	98		98		70-130	0		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	101		102		70-130	1		30
Isopropyl Ether	105		106		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
tert-Butyl Alcohol	87		90		70-130	3		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	98		99		70-130	1		30
Methyl Acetate	100		98		51-146	2		30
Ethyl Acetate	97		99		70-130	2		30
Acrolein	95		95		70-130	0		30
Cyclohexane	102		100		59-142	2		30
1,4-Dioxane	94		97		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		98		50-139	2		30
1,4-Diethylbenzene	100		100		70-130	0		30
4-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		30
Tetrahydrofuran	102		96		66-130	6		30
Ethyl ether	101		100		67-130	1		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30
Methyl cyclohexane	98		98		70-130	0		30
Ethyl-Tert-Butyl-Ether	102		101		70-130	1		30
Tertiary-Amyl Methyl Ether	97		99		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
Methylene chloride	101		100		70-130	1		20
1,1-Dichloroethane	116		112		70-130	4		20
Chloroform	114		112		70-130	2		20
2-Chloroethylvinyl ether	72		73		70-130	1		20
Carbon tetrachloride	120		116		63-132	3		20
1,2-Dichloropropane	110		111		70-130	1		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	110		109		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	112		110		75-130	2		20
Trichlorofluoromethane	110		104		62-150	6		20
1,2-Dichloroethane	103		102		70-130	1		20
1,1,1-Trichloroethane	114		112		67-130	2		20
Bromodichloromethane	107		107		67-130	0		20
trans-1,3-Dichloropropene	112		112		70-130	0		20
cis-1,3-Dichloropropene	108		108		70-130	0		20
1,1-Dichloropropene	114		112		70-130	2		20
Bromoform	108		108		54-136	0		20
1,1,2,2-Tetrachloroethane	106		108		67-130	2		20
Benzene	117		114		70-130	3		20
Toluene	116		114		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
Ethylbenzene	114		110		70-130	4		20
Chloromethane	90		85		64-130	6		20
Bromomethane	43		42		39-139	2		20
Vinyl chloride	98		93		55-140	5		20
Chloroethane	93		88		55-138	6		20
1,1-Dichloroethene	118		113		61-145	4		20
trans-1,2-Dichloroethene	116		112		70-130	4		20
Trichloroethene	114		112		70-130	2		20
1,2-Dichlorobenzene	109		108		70-130	1		20
1,3-Dichlorobenzene	114		112		70-130	2		20
1,4-Dichlorobenzene	110		108		70-130	2		20
Methyl tert butyl ether	106		108		63-130	2		20
p/m-Xylene	114		111		70-130	3		20
o-Xylene	110		108		70-130	2		20
cis-1,2-Dichloroethene	112		112		70-130	0		20
Dibromomethane	106		107		70-130	1		20
1,2,3-Trichloropropane	110		114		64-130	4		20
Acrylonitrile	113		112		70-130	1		20
Isopropyl Ether	112		111		70-130	1		20
tert-Butyl Alcohol	124		123		70-130	1		20
Styrene	112		110		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
Dichlorodifluoromethane	80		76		36-147	5		20
Acetone	132		123		58-148	7		20
Carbon disulfide	111		107		51-130	4		20
2-Butanone	138		133		63-138	4		20
Vinyl acetate	108		108		70-130	0		20
4-Methyl-2-pentanone	89		90		59-130	1		20
2-Hexanone	93		92		57-130	1		20
Bromochloromethane	118		116		70-130	2		20
2,2-Dichloropropane	124		121		63-133	2		20
1,2-Dibromoethane	104		105		70-130	1		20
1,3-Dichloropropane	107		108		70-130	1		20
1,1,1,2-Tetrachloroethane	113		113		64-130	0		20
Bromobenzene	106		106		70-130	0		20
n-Butylbenzene	110		107		53-136	3		20
sec-Butylbenzene	113		110		70-130	3		20
tert-Butylbenzene	110		109		70-130	1		20
o-Chlorotoluene	116		115		70-130	1		20
p-Chlorotoluene	111		109		70-130	2		20
1,2-Dibromo-3-chloropropane	101		98		41-144	3		20
Hexachlorobutadiene	107		104		63-130	3		20
Isopropylbenzene	108		108		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
p-Isopropyltoluene	112		110		70-130	2		20
Naphthalene	95		94		70-130	1		20
n-Propylbenzene	111		108		69-130	3		20
1,2,3-Trichlorobenzene	97		95		70-130	2		20
1,2,4-Trichlorobenzene	101		98		70-130	3		20
1,3,5-Trimethylbenzene	113		110		64-130	3		20
1,2,4-Trimethylbenzene	109		106		70-130	3		20
Methyl Acetate	109		110		70-130	1		20
Ethyl Acetate	102		102		70-130	0		20
Cyclohexane	122		118		70-130	3		20
Ethyl-Tert-Butyl-Ether	106		107		70-130	1		20
Tertiary-Amyl Methyl Ether	101		103		66-130	2		20
1,4-Dioxane	134		137		56-162	2		20
Freon-113	126		119		70-130	6		20
p-Diethylbenzene	108		103		70-130	5		20
p-Ethyltoluene	111		110		70-130	1		20
1,2,4,5-Tetramethylbenzene	111		108		70-130	3		20
Ethyl ether	112		112		59-134	0		20
trans-1,4-Dichloro-2-butene	85		88		70-130	3		20
Methyl cyclohexane	117		112		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		92		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Lab Number: L1318158
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
Methylene chloride	86		91		70-130	6		30
1,1-Dichloroethane	91		97		70-130	6		30
Chloroform	92		97		70-130	5		30
Carbon tetrachloride	98		101		70-130	3		30
1,2-Dichloropropane	92		96		70-130	4		30
Dibromochloromethane	101		105		70-130	4		30
1,1,2-Trichloroethane	100		104		70-130	4		30
Tetrachloroethene	104		107		70-130	3		30
Chlorobenzene	101		104		70-130	3		30
Trichlorofluoromethane	105		111		70-139	6		30
1,2-Dichloroethane	92		94		70-130	2		30
1,1,1-Trichloroethane	94		98		70-130	4		30
Bromodichloromethane	92		95		70-130	3		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	94		98		70-130	4		30
Bromoform	103		105		70-130	2		30
1,1,2,2-Tetrachloroethane	99		102		70-130	3		30
Benzene	94		98		70-130	4		30
Toluene	101		104		70-130	3		30
Ethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
Chloromethane	88		101		52-130	14		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	100		107		67-130	7		30
Chloroethane	109		109		50-151	0		30
1,1-Dichloroethene	97		102		65-135	5		30
trans-1,2-Dichloroethene	94		100		70-130	6		30
Trichloroethene	94		98		70-130	4		30
1,2-Dichlorobenzene	102		106		70-130	4		30
1,3-Dichlorobenzene	103		107		70-130	4		30
1,4-Dichlorobenzene	102		106		70-130	4		30
Methyl tert butyl ether	90		94		66-130	4		30
p/m-Xylene	102		105		70-130	3		30
o-Xylene	102		105		70-130	3		30
cis-1,2-Dichloroethene	93		97		70-130	4		30
Dibromomethane	94		97		70-130	3		30
Styrene	103		107		70-130	4		30
Dichlorodifluoromethane	92		99		30-146	7		30
Acetone	90		80		54-140	12		30
Carbon disulfide	90		94		59-130	4		30
2-Butanone	112		102		70-130	9		30
Vinyl acetate	84		88		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
4-Methyl-2-pentanone	88		89		70-130	1		30
1,2,3-Trichloropropane	101		102		68-130	1		30
2-Hexanone	106		96		70-130	10		30
Bromochloromethane	96		100		70-130	4		30
2,2-Dichloropropane	96		99		70-130	3		30
1,2-Dibromoethane	101		104		70-130	3		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	102		106		70-130	4		30
Bromobenzene	100		104		70-130	4		30
n-Butylbenzene	102		105		70-130	3		30
sec-Butylbenzene	102		106		70-130	4		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	102		106		70-130	4		30
p-Chlorotoluene	100		104		70-130	4		30
1,2-Dibromo-3-chloropropane	97		100		68-130	3		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	100		103		70-130	3		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	94		100		70-130	6		30
Acrylonitrile	89		92		70-130	3		30
Isopropyl Ether	88		93		66-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	99		103		70-130	4		30
1,2,3-Trichlorobenzene	98		103		70-130	5		30
1,2,4-Trichlorobenzene	100		104		70-130	4		30
1,3,5-Trimethylbenzene	102		105		70-130	3		30
1,2,4-Trimethylbenzene	102		106		70-130	4		30
Methyl Acetate	90		92		51-146	2		30
Ethyl Acetate	89		90		70-130	1		30
Acrolein	91		93		70-130	2		30
Cyclohexane	92		95		59-142	3		30
1,4-Dioxane	84		88		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		102		50-139	5		30
1,4-Diethylbenzene	103		107		70-130	4		30
4-Ethyltoluene	101		105		70-130	4		30
1,2,4,5-Tetramethylbenzene	101		105		70-130	4		30
Tetrahydrofuran	88		87		66-130	1		30
Ethyl ether	86		91		67-130	6		30
trans-1,4-Dichloro-2-butene	98		99		70-130	1		30
Methyl cyclohexane	95		97		70-130	2		30
Ethyl-Tert-Butyl-Ether	90		95		70-130	5		30
Tertiary-Amyl Methyl Ether	94		97		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/23/13 22:50		
Analyst:	PS		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	880		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	6700		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	380		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	3700		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-03 Date Collected: 09/12/13 17:00

Client ID: G1_COMP-05D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3800		ug/kg	160	49.	1
Benzo(b)fluoranthene	4800		ug/kg	120	40.	1
Benzo(k)fluoranthene	1800		ug/kg	120	38.	1
Chrysene	3600		ug/kg	120	39.	1
Acenaphthylene	210		ug/kg	160	37.	1
Anthracene	2100		ug/kg	120	33.	1
Benzo(ghi)perylene	2400		ug/kg	160	41.	1
Fluorene	980		ug/kg	200	57.	1
Phenanthrene	6600		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	700		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	2700		ug/kg	160	44.	1
Pyrene	6600		ug/kg	120	39.	1
Biphenyl	99	J	ug/kg	450	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	610		ug/kg	200	66.	1
2-Methylnaphthalene	270		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	800		ug/kg	200	43.	1
Benzaldehyde	110	J	ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	52		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/23/13 23:18		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	740		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	5500		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	400		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	4800		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-04 Date Collected: 09/12/13 17:00

Client ID: G1_COMP-05S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	5000		ug/kg	160	48.	1
Benzo(b)fluoranthene	7100		ug/kg	120	40.	1
Benzo(k)fluoranthene	2200		ug/kg	120	38.	1
Chrysene	4800		ug/kg	120	39.	1
Acenaphthylene	190		ug/kg	160	37.	1
Anthracene	1900		ug/kg	120	33.	1
Benzo(ghi)perylene	3400		ug/kg	160	41.	1
Fluorene	930		ug/kg	200	57.	1
Phenanthrene	5300		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	1200		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	3700		ug/kg	160	44.	1
Pyrene	6300		ug/kg	120	38.	1
Biphenyl	82	J	ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	570		ug/kg	200	66.	1
2-Methylnaphthalene	270		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	780		ug/kg	200	42.	1
Benzaldehyde	130	J	ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	88		0-136
4-Terphenyl-d14	62		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/23/13 23:45		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	6600		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	11000	E	ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	8100	E	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	90	J	ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	3800		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-07 Date Collected: 09/13/13 09:05

Client ID: G1_COMP-06S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2100		ug/kg	150	47.	1
Benzo(b)fluoranthene	3300		ug/kg	120	39.	1
Benzo(k)fluoranthene	1100		ug/kg	120	37.	1
Chrysene	3600		ug/kg	120	38.	1
Acenaphthylene	710		ug/kg	150	36.	1
Anthracene	6500		ug/kg	120	32.	1
Benzo(ghi)perylene	1000		ug/kg	150	40.	1
Fluorene	6100		ug/kg	190	55.	1
Phenanthrene	14000	E	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	330		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	1200		ug/kg	150	43.	1
Pyrene	8800	E	ug/kg	120	38.	1
Biphenyl	1000		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	4400		ug/kg	190	64.	1
2-Methylnaphthalene	2800		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	3200		ug/kg	190	42.	1
Benzaldehyde	290		ug/kg	260	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	53		0-136
4-Terphenyl-d14	60		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07 D	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/25/13 01:56		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	13000		ug/kg	580	180	5
Naphthalene	11000		ug/kg	970	320	5
Phenanthrene	24000		ug/kg	580	190	5
Pyrene	9500		ug/kg	580	190	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 00:13		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	12000	E	ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	690		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	7500		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-08 Date Collected: 09/13/13 09:10

Client ID: G1_COMP-06D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	6800		ug/kg	150	47.	1
Benzo(b)fluoranthene	7900	E	ug/kg	120	39.	1
Benzo(k)fluoranthene	2500		ug/kg	120	37.	1
Chrysene	6800		ug/kg	120	38.	1
Acenaphthylene	230		ug/kg	150	36.	1
Anthracene	4100		ug/kg	120	32.	1
Benzo(ghi)perylene	4100		ug/kg	150	40.	1
Fluorene	1900		ug/kg	190	55.	1
Phenanthrene	11000	E	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	1300		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	4500		ug/kg	150	43.	1
Pyrene	12000	E	ug/kg	120	37.	1
Biphenyl	160	J	ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	1200		ug/kg	190	64.	1
2-Methylnaphthalene	400		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	1400		ug/kg	190	41.	1
Benzaldehyde	81	J	ug/kg	250	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	72		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08 D	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/25/13 02:23		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	15000		ug/kg	580	180	5
Benzo(b)fluoranthene	6400		ug/kg	580	190	5
Phenanthrene	15000		ug/kg	580	190	5
Pyrene	12000		ug/kg	580	190	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 00:40		
Analyst:	PS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	500		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	130	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	69.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	9700	E	ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	140	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	1100		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	4700		ug/kg	130	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11 Date Collected: 09/13/13 10:50

Client ID: G1_COMP-01D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	5200		ug/kg	170	52.	1
Benzo(b)fluoranthene	6500		ug/kg	130	42.	1
Benzo(k)fluoranthene	2300		ug/kg	130	40.	1
Chrysene	4800		ug/kg	130	41.	1
Acenaphthylene	180		ug/kg	170	39.	1
Anthracene	1700		ug/kg	130	35.	1
Benzo(ghi)perylene	3900		ug/kg	170	44.	1
Fluorene	830		ug/kg	210	60.	1
Phenanthrene	7000		ug/kg	130	41.	1
Dibenzo(a,h)anthracene	960		ug/kg	130	41.	1
Indeno(1,2,3-cd)Pyrene	4300		ug/kg	170	47.	1
Pyrene	8200		ug/kg	130	41.	1
Biphenyl	130	J	ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	670		ug/kg	210	70.	1
2-Methylnaphthalene	320		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	450	66.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	580		ug/kg	210	45.	1
Benzaldehyde	120	J	ug/kg	280	85.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	58.	1
Atrazine	ND		ug/kg	170	48.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	71		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11 D	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/25/13 02:50		
Analyst:	PS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	12000		ug/kg	250	77.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 01:09		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	300		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	4200		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	63.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	210		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	2100		ug/kg	110	35.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12 Date Collected: 09/13/13 10:45

Client ID: G1_COMP-01S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1900		ug/kg	140	44.	1
Benzo(b)fluoranthene	2100		ug/kg	110	36.	1
Benzo(k)fluoranthene	970		ug/kg	110	34.	1
Chrysene	2200		ug/kg	110	35.	1
Acenaphthylene	240		ug/kg	140	34.	1
Anthracene	940		ug/kg	110	30.	1
Benzo(ghi)perylene	1200		ug/kg	140	37.	1
Fluorene	370		ug/kg	180	52.	1
Phenanthrene	3800		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	340		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	1300		ug/kg	140	40.	1
Pyrene	3800		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	260		ug/kg	180	60.	1
2-Methylnaphthalene	160	J	ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	330		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	75		0-136
4-Terphenyl-d14	44		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14 D	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 01:37		
Analyst:	PS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	290		ug/kg	280	73.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	99.	2
2-Chloronaphthalene	ND		ug/kg	350	120	2
1,2-Dichlorobenzene	ND		ug/kg	350	120	2
1,3-Dichlorobenzene	ND		ug/kg	350	110	2
1,4-Dichlorobenzene	ND		ug/kg	350	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	76.	2
2,6-Dinitrotoluene	ND		ug/kg	350	91.	2
Fluoranthene	4000		ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	81.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	350	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	64.	2
Isophorone	ND		ug/kg	320	94.	2
Naphthalene	190	J	ug/kg	350	120	2
Nitrobenzene	ND		ug/kg	320	84.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	74.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	100	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	350	93.	2
Butyl benzyl phthalate	ND		ug/kg	350	69.	2
Di-n-butylphthalate	ND		ug/kg	350	68.	2
Di-n-octylphthalate	ND		ug/kg	350	87.	2
Diethyl phthalate	ND		ug/kg	350	75.	2
Dimethyl phthalate	ND		ug/kg	350	90.	2
Benzo(a)anthracene	2100		ug/kg	210	69.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14 D Date Collected: 09/13/13 11:20

Client ID: G1_COMP-DUP_091313_S Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1900		ug/kg	280	87.	2
Benzo(b)fluoranthene	2200		ug/kg	210	72.	2
Benzo(k)fluoranthene	860		ug/kg	210	68.	2
Chrysene	2000		ug/kg	210	70.	2
Acenaphthylene	430		ug/kg	280	66.	2
Anthracene	1000		ug/kg	210	59.	2
Benzo(ghi)perylene	1600		ug/kg	280	74.	2
Fluorene	330	J	ug/kg	350	100	2
Phenanthrene	3300		ug/kg	210	69.	2
Dibenzo(a,h)anthracene	360		ug/kg	210	68.	2
Indeno(1,2,3-cd)Pyrene	1700		ug/kg	280	79.	2
Pyrene	3700		ug/kg	210	69.	2
Biphenyl	ND		ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	350	93.	2
2-Nitroaniline	ND		ug/kg	350	100	2
3-Nitroaniline	ND		ug/kg	350	98.	2
4-Nitroaniline	ND		ug/kg	350	96.	2
Dibenzofuran	220	J	ug/kg	350	120	2
2-Methylnaphthalene	120	J	ug/kg	420	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	110	2
Acetophenone	ND		ug/kg	350	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	350	100	2
2-Chlorophenol	ND		ug/kg	350	110	2
2,4-Dichlorophenol	ND		ug/kg	320	110	2
2,4-Dimethylphenol	ND		ug/kg	350	100	2
2-Nitrophenol	ND		ug/kg	760	110	2
4-Nitrophenol	ND		ug/kg	500	110	2
2,4-Dinitrophenol	ND		ug/kg	1700	480	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	350	110	2
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	330	J	ug/kg	350	76.	2
Benzaldehyde	ND		ug/kg	470	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14 D Date Collected: 09/13/13 11:20

Client ID: G1_COMP-DUP_091313_S Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	350	98.	2
Atrazine	ND		ug/kg	280	80.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	60.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	55		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/23/13 22:05
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637268-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/23/13 22:05
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637268-1					
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/23/13 22:05
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637268-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	108		30-120
2,4,6-Tribromophenol	119		0-136
4-Terphenyl-d14	109		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
Acenaphthene	99		105		31-137	6		50
1,2,4-Trichlorobenzene	97		103		38-107	6		50
Hexachlorobenzene	115		120		40-140	4		50
Bis(2-chloroethyl)ether	98		99		40-140	1		50
2-Chloronaphthalene	110		116		40-140	5		50
1,2-Dichlorobenzene	94		97		40-140	3		50
1,3-Dichlorobenzene	92		96		40-140	4		50
1,4-Dichlorobenzene	92		96		28-104	4		50
3,3'-Dichlorobenzidine	76		83		40-140	9		50
2,4-Dinitrotoluene	**120**	Q	**127**	Q	28-89	6		50
2,6-Dinitrotoluene	125		133		40-140	6		50
Fluoranthene	108		114		40-140	5		50
4-Chlorophenyl phenyl ether	107		112		40-140	5		50
4-Bromophenyl phenyl ether	116		124		40-140	7		50
Bis(2-chloroisopropyl)ether	90		92		40-140	2		50
Bis(2-chloroethoxy)methane	105		104		40-117	1		50
Hexachlorobutadiene	97		104		40-140	7		50
Hexachlorocyclopentadiene	101		107		40-140	6		50
Hexachloroethane	91		93		40-140	2		50
Isophorone	107		107		40-140	0		50
Naphthalene	95		100		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
Nitrobenzene	93		100		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	111		117			5		50
n-Nitrosodi-n-propylamine	103		102		32-121	1		50
Bis(2-Ethylhexyl)phthalate	105		110		40-140	5		50
Butyl benzyl phthalate	109		117		40-140	7		50
Di-n-butylphthalate	105		110		40-140	5		50
Di-n-octylphthalate	110		117		40-140	6		50
Diethyl phthalate	107		112		40-140	5		50
Dimethyl phthalate	106		112		40-140	6		50
Benzo(a)anthracene	101		108		40-140	7		50
Benzo(a)pyrene	103		110		40-140	7		50
Benzo(b)fluoranthene	102		108		40-140	6		50
Benzo(k)fluoranthene	104		112		40-140	7		50
Chrysene	102		108		40-140	6		50
Acenaphthylene	113		118		40-140	4		50
Anthracene	106		110		40-140	4		50
Benzo(ghi)perylene	95		103		40-140	8		50
Fluorene	107		112		40-140	5		50
Phenanthrene	100		106		40-140	6		50
Dibenzo(a,h)anthracene	99		104		40-140	5		50
Indeno(1,2,3-cd)Pyrene	98		104		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
Pyrene	107		113		35-142	5		50
Biphenyl	101		106			5		50
4-Chloroaniline	67		73		40-140	9		50
2-Nitroaniline	128		**135**	Q	47-134	5		50
3-Nitroaniline	75		81		26-129	8		50
4-Nitroaniline	104		111		41-125	7		50
Dibenzofuran	103		108		40-140	5		50
2-Methylnaphthalene	100		105		40-140	5		50
1,2,4,5-Tetrachlorobenzene	102		106		40-117	4		50
Acetophenone	111		113		14-144	2		50
2,4,6-Trichlorophenol	128		**137**	Q	30-130	7		50
P-Chloro-M-Cresol	**120**	Q	**128**	Q	26-103	6		50
2-Chlorophenol	**109**	Q	**110**	Q	25-102	1		50
2,4-Dichlorophenol	116		121		30-130	4		50
2,4-Dimethylphenol	124		122		30-130	2		50
2-Nitrophenol	124		124		30-130	0		50
4-Nitrophenol	110		**116**	Q	11-114	5		50
2,4-Dinitrophenol	106		115		4-130	8		50
4,6-Dinitro-o-cresol	112		122		10-130	9		50
Pentachlorophenol	93		102		17-109	9		50
Phenol	**104**	Q	**103**	Q	26-90	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
2-Methylphenol	116		114		30-130.	2		50
3-Methylphenol/4-Methylphenol	124		124		30-130	0		50
2,4,5-Trichlorophenol	123		129		30-130	5		50
Benzoic Acid	96		101			5		50
Benzyl Alcohol	108		109		40-140	1		50
Carbazole	103		110		54-128	7		50
Benzaldehyde	92		101			9		50
Caprolactam	113		119			5		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	114		121			6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	109		111		25-120
Phenol-d6	114		114		10-120
Nitrobenzene-d5	103		105		23-120
2-Fluorobiphenyl	112		117		30-120
2,4,6-Tribromophenol	120		131		0-136
4-Terphenyl-d14	99		105		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 21:55		
Analyst:	AR		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	234000		ug/kg	38600	3780	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 13:28		
Analyst:	JV		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	610	J	ug/kg	3000	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		70-130
4-Bromofluorobenzene	81		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/18/13 08:02
Analytical Date:	09/19/13 21:43		
Analyst:	AR		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	537000		ug/kg	39800	3900	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 15:31		
Analyst:	JV		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	4700		ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	72		70-130
4-Bromofluorobenzene	84		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 16:12		
Analyst:	JV		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	4900		ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	79		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07 D	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/18/13 08:02
Analytical Date:	09/20/13 15:04		
Analyst:	AR		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	548000		ug/kg	77800	7620	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 22:26		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	320000		ug/kg	38500	3770	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 16:53		
Analyst:	JV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	20000		ug/kg	2900	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 21:24		
Analyst:	AR		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	152000		ug/kg	41400	4060	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 17:33		
Analyst:	JV		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2200	J	ug/kg	3200	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	76		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 18:14		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	190	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	82		70-130
4-Bromofluorobenzene	86		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12 D	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 18:19		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	317000		ug/kg	70200	6880	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 18:55		
Analyst:	JV		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	420	J	ug/kg	2700	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84		70-130
4-Bromofluorobenzene	85		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14 D	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 17:48		
Analyst:	AR		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	528000		ug/kg	68900	6750	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03,08,11-12,14 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/19/13 12:07
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/18/13 08:02

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04,07 Batch: WG637006-1					
TPH	ND		ug/kg	32800	3210

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03,08,11-12,14 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04,07 Batch: WG637006-2								
TPH	91		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	86				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03,08,11-12,14 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG637006-3 QC Sample: L1318299-01 Client ID: DUP Sample						
TPH	415000	394000	ug/kg	5		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		101		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:04	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	82%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.1	7.91	1	A
Aroclor 1221	ND		ug/kg	40.1	12.1	1	A
Aroclor 1232	ND		ug/kg	40.1	8.51	1	A
Aroclor 1242	ND		ug/kg	40.1	7.60	1	A
Aroclor 1248	ND		ug/kg	40.1	4.85	1	A
Aroclor 1254	ND		ug/kg	40.1	6.32	1	A
Aroclor 1260	ND		ug/kg	40.1	6.95	1	A
Aroclor 1262	ND		ug/kg	40.1	2.96	1	A
Aroclor 1268	ND		ug/kg	40.1	5.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:17	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	7.48	1	A
Aroclor 1221	ND		ug/kg	37.9	11.4	1	A
Aroclor 1232	ND		ug/kg	37.9	8.04	1	A
Aroclor 1242	ND		ug/kg	37.9	7.18	1	A
Aroclor 1248	ND		ug/kg	37.9	4.58	1	A
Aroclor 1254	ND		ug/kg	37.9	5.97	1	A
Aroclor 1260	ND		ug/kg	37.9	6.57	1	A
Aroclor 1262	ND		ug/kg	37.9	2.80	1	A
Aroclor 1268	ND		ug/kg	37.9	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:30	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	7.56	1	A
Aroclor 1221	ND		ug/kg	38.3	11.6	1	A
Aroclor 1232	ND		ug/kg	38.3	8.14	1	A
Aroclor 1242	ND		ug/kg	38.3	7.27	1	A
Aroclor 1248	ND		ug/kg	38.3	4.63	1	A
Aroclor 1254	ND		ug/kg	38.3	6.04	1	A
Aroclor 1260	ND		ug/kg	38.3	6.65	1	A
Aroclor 1262	ND		ug/kg	38.3	2.83	1	A
Aroclor 1268	ND		ug/kg	38.3	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:43	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	7.55	1	A
Aroclor 1221	ND		ug/kg	38.2	11.5	1	A
Aroclor 1232	ND		ug/kg	38.2	8.12	1	A
Aroclor 1242	ND		ug/kg	38.2	7.26	1	A
Aroclor 1248	ND		ug/kg	38.2	4.63	1	A
Aroclor 1254	ND		ug/kg	38.2	6.03	1	A
Aroclor 1260	ND		ug/kg	38.2	6.64	1	A
Aroclor 1262	ND		ug/kg	38.2	2.83	1	A
Aroclor 1268	ND		ug/kg	38.2	5.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:57	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	79%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.8	7.87	1	A
Aroclor 1221	ND		ug/kg	39.8	12.0	1	A
Aroclor 1232	ND		ug/kg	39.8	8.47	1	A
Aroclor 1242	ND		ug/kg	39.8	7.56	1	A
Aroclor 1248	ND		ug/kg	39.8	4.82	1	A
Aroclor 1254	ND		ug/kg	39.8	6.28	1	A
Aroclor 1260	ND		ug/kg	39.8	6.92	1	A
Aroclor 1262	ND		ug/kg	39.8	2.95	1	A
Aroclor 1268	ND		ug/kg	39.8	5.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 02:10	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	6.89	1	A
Aroclor 1221	ND		ug/kg	34.9	10.5	1	A
Aroclor 1232	ND		ug/kg	34.9	7.41	1	A
Aroclor 1242	ND		ug/kg	34.9	6.62	1	A
Aroclor 1248	ND		ug/kg	34.9	4.22	1	A
Aroclor 1254	ND		ug/kg	34.9	5.50	1	A
Aroclor 1260	33.6	J	ug/kg	34.9	6.05	1	B
Aroclor 1262	ND		ug/kg	34.9	2.58	1	A
Aroclor 1268	ND		ug/kg	34.9	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 02:23	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	6.78	1	A
Aroclor 1221	ND		ug/kg	34.3	10.4	1	A
Aroclor 1232	ND		ug/kg	34.3	7.29	1	A
Aroclor 1242	ND		ug/kg	34.3	6.51	1	A
Aroclor 1248	ND		ug/kg	34.3	4.15	1	A
Aroclor 1254	ND		ug/kg	34.3	5.41	1	A
Aroclor 1260	23.7	J	ug/kg	34.3	5.96	1	B
Aroclor 1262	ND		ug/kg	34.3	2.54	1	A
Aroclor 1268	ND		ug/kg	34.3	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318158

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 23:01	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	24.1	1	A
2,4,5-T	ND		ug/kg	198	12.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	47		30-150	A
DCAA	**23**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03 D	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 16:30	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.7	3.67	10	A
Lindane	ND		ug/kg	7.81	3.49	10	A
Alpha-BHC	ND		ug/kg	7.81	2.22	10	A
Beta-BHC	ND		ug/kg	18.7	7.10	10	A
Heptachlor	ND		ug/kg	9.37	4.20	10	A
Aldrin	ND		ug/kg	18.7	6.60	10	A
Heptachlor epoxide	ND		ug/kg	35.1	10.5	10	A
Endrin	ND		ug/kg	7.81	3.20	10	A
Endrin ketone	ND		ug/kg	18.7	4.82	10	A
Dieldrin	ND		ug/kg	11.7	5.86	10	A
4,4'-DDE	ND		ug/kg	18.7	4.33	10	A
4,4'-DDD	ND		ug/kg	18.7	6.68	10	A
4,4'-DDT	ND		ug/kg	35.1	15.1	10	A
Endosulfan I	ND		ug/kg	18.7	4.43	10	A
Endosulfan II	ND		ug/kg	18.7	6.26	10	A
Endosulfan sulfate	ND		ug/kg	7.81	3.57	10	A
Methoxychlor	ND		ug/kg	35.1	10.9	10	A
Toxaphene	ND		ug/kg	351	98.4	10	A
cis-Chlordane	ND		ug/kg	23.4	6.53	10	A
trans-Chlordane	ND		ug/kg	23.4	6.18	10	A
Chlordane	ND		ug/kg	152	62.1	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**353**	Q	30-150	A
Decachlorobiphenyl	140		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 22:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	24.0	1	A
2,4,5-T	ND		ug/kg	197	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	10.9	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04 D	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 16:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.5	3.62	10	A
Lindane	ND		ug/kg	7.71	3.45	10	A
Alpha-BHC	ND		ug/kg	7.71	2.19	10	A
Beta-BHC	ND		ug/kg	18.5	7.02	10	A
Heptachlor	ND		ug/kg	9.26	4.15	10	A
Aldrin	ND		ug/kg	18.5	6.52	10	A
Heptachlor epoxide	ND		ug/kg	34.7	10.4	10	A
Endrin	ND		ug/kg	7.71	3.16	10	A
Endrin ketone	ND		ug/kg	18.5	4.77	10	A
Dieldrin	ND		ug/kg	11.6	5.78	10	A
4,4'-DDE	ND		ug/kg	18.5	4.28	10	A
4,4'-DDD	ND		ug/kg	18.5	6.60	10	A
4,4'-DDT	ND		ug/kg	34.7	14.9	10	A
Endosulfan I	ND		ug/kg	18.5	4.37	10	A
Endosulfan II	ND		ug/kg	18.5	6.18	10	A
Endosulfan sulfate	ND		ug/kg	7.71	3.52	10	A
Methoxychlor	ND		ug/kg	34.7	10.8	10	A
Toxaphene	ND		ug/kg	347	97.2	10	A
cis-Chlordane	ND		ug/kg	23.1	6.45	10	A
trans-Chlordane	ND		ug/kg	23.1	6.11	10	A
Chlordane	ND		ug/kg	150	61.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**391**	Q	30-150	A
Decachlorobiphenyl	**183**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 22:22	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	23.1	1	A
2,4,5-T	ND		ug/kg	190	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	61		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07 D	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 16:56	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.5	3.44	10	A
Lindane	ND		ug/kg	7.31	3.27	10	A
Alpha-BHC	ND		ug/kg	7.31	2.08	10	A
Beta-BHC	ND		ug/kg	17.5	6.65	10	A
Heptachlor	ND		ug/kg	8.77	3.93	10	A
Aldrin	ND		ug/kg	17.5	6.18	10	A
Heptachlor epoxide	ND		ug/kg	32.9	9.87	10	A
Endrin	ND		ug/kg	7.31	3.00	10	A
Endrin ketone	ND		ug/kg	17.5	4.52	10	A
Dieldrin	ND		ug/kg	11.0	5.48	10	A
4,4'-DDE	ND		ug/kg	17.5	4.06	10	A
4,4'-DDD	ND		ug/kg	17.5	6.26	10	A
4,4'-DDT	ND		ug/kg	32.9	14.1	10	A
Endosulfan I	ND		ug/kg	17.5	4.14	10	A
Endosulfan II	ND		ug/kg	17.5	5.86	10	A
Endosulfan sulfate	ND		ug/kg	7.31	3.34	10	A
Methoxychlor	ND		ug/kg	32.9	10.2	10	A
Toxaphene	ND		ug/kg	329	92.1	10	A
cis-Chlordane	ND		ug/kg	21.9	6.11	10	A
trans-Chlordane	ND		ug/kg	21.9	5.79	10	A
Chlordane	ND		ug/kg	142	58.1	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**329**	Q	30-150	A
Decachlorobiphenyl	**163**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 09:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	23.4	1	A
2,4,5-T	ND		ug/kg	192	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08 D	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:08	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.7	3.47	10	A
Lindane	ND		ug/kg	7.39	3.30	10	A
Alpha-BHC	ND		ug/kg	7.39	2.10	10	A
Beta-BHC	ND		ug/kg	17.7	6.72	10	A
Heptachlor	ND		ug/kg	8.87	3.98	10	A
Aldrin	ND		ug/kg	17.7	6.24	10	A
Heptachlor epoxide	ND		ug/kg	33.2	9.98	10	A
Endrin	ND		ug/kg	7.39	3.03	10	A
Endrin ketone	ND		ug/kg	17.7	4.57	10	A
Dieldrin	ND		ug/kg	11.1	5.54	10	A
4,4'-DDE	ND		ug/kg	17.7	4.10	10	A
4,4'-DDD	ND		ug/kg	17.7	6.32	10	A
4,4'-DDT	ND		ug/kg	33.2	14.3	10	A
Endosulfan I	ND		ug/kg	17.7	4.19	10	A
Endosulfan II	ND		ug/kg	17.7	5.93	10	A
Endosulfan sulfate	ND		ug/kg	7.39	3.38	10	A
Methoxychlor	ND		ug/kg	33.2	10.3	10	A
Toxaphene	ND		ug/kg	332	93.1	10	A
cis-Chlordane	ND		ug/kg	22.2	6.18	10	A
trans-Chlordane	ND		ug/kg	22.2	5.85	10	A
Chlordane	ND		ug/kg	144	58.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**277**	Q	30-150	A
Decachlorobiphenyl	**197**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	122		30-150	B
Decachlorobiphenyl	129		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 09:52	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	210	25.5	1	A
2,4,5-T	ND		ug/kg	210	13.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	210	11.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11 D	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:21	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.4	3.81	10	A
Lindane	ND		ug/kg	8.10	3.62	10	A
Alpha-BHC	ND		ug/kg	8.10	2.30	10	A
Beta-BHC	ND		ug/kg	19.4	7.37	10	A
Heptachlor	ND		ug/kg	9.72	4.36	10	A
Aldrin	ND		ug/kg	19.4	6.84	10	A
Heptachlor epoxide	ND		ug/kg	36.4	10.9	10	A
Endrin	ND		ug/kg	8.10	3.32	10	A
Endrin ketone	ND		ug/kg	19.4	5.00	10	A
Dieldrin	ND		ug/kg	12.1	6.07	10	A
4,4'-DDE	ND		ug/kg	19.4	4.49	10	A
4,4'-DDD	ND		ug/kg	19.4	6.93	10	A
4,4'-DDT	ND		ug/kg	36.4	15.6	10	A
Endosulfan I	ND		ug/kg	19.4	4.59	10	A
Endosulfan II	ND		ug/kg	19.4	6.49	10	A
Endosulfan sulfate	ND		ug/kg	8.10	3.70	10	A
Methoxychlor	ND		ug/kg	36.4	11.3	10	A
Toxaphene	ND		ug/kg	364	102.	10	A
cis-Chlordane	ND		ug/kg	24.3	6.77	10	A
trans-Chlordane	ND		ug/kg	24.3	6.41	10	A
Chlordane	ND		ug/kg	158	64.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	142		30-150	A
Decachlorobiphenyl	**284**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	**160**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.1	1	A
2,4,5-T	ND		ug/kg	182	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12 D	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:34	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	3.34	10	A
Lindane	ND		ug/kg	7.12	3.18	10	A
Alpha-BHC	ND		ug/kg	7.12	2.02	10	A
Beta-BHC	ND		ug/kg	17.1	6.48	10	A
Heptachlor	ND		ug/kg	8.54	3.83	10	A
Aldrin	ND		ug/kg	17.1	6.01	10	A
Heptachlor epoxide	ND		ug/kg	32.0	9.61	10	A
Endrin	ND		ug/kg	7.12	2.92	10	A
Endrin ketone	ND		ug/kg	17.1	4.40	10	A
Dieldrin	ND		ug/kg	10.7	5.34	10	A
4,4'-DDE	ND		ug/kg	17.1	3.95	10	A
4,4'-DDD	ND		ug/kg	17.1	6.09	10	A
4,4'-DDT	ND		ug/kg	32.0	13.7	10	A
Endosulfan I	ND		ug/kg	17.1	4.04	10	A
Endosulfan II	ND		ug/kg	17.1	5.71	10	A
Endosulfan sulfate	ND		ug/kg	7.12	3.25	10	A
Methoxychlor	ND		ug/kg	32.0	9.96	10	A
Toxaphene	ND		ug/kg	320	89.7	10	A
cis-Chlordane	ND		ug/kg	21.4	5.95	10	A
trans-Chlordane	ND		ug/kg	21.4	5.64	10	A
Chlordane	ND		ug/kg	139	56.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	**163**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	**155**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	21.9	1	A
2,4,5-T	ND		ug/kg	180	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14 D	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:47	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.9	3.31	10	A
Lindane	ND		ug/kg	7.04	3.14	10	A
Alpha-BHC	ND		ug/kg	7.04	2.00	10	A
Beta-BHC	ND		ug/kg	16.9	6.40	10	A
Heptachlor	ND		ug/kg	8.44	3.79	10	A
Aldrin	ND		ug/kg	16.9	5.95	10	A
Heptachlor epoxide	ND		ug/kg	31.7	9.50	10	A
Endrin	ND		ug/kg	7.04	2.88	10	A
Endrin ketone	ND		ug/kg	16.9	4.35	10	A
Dieldrin	ND		ug/kg	10.6	5.28	10	A
4,4'-DDE	ND		ug/kg	16.9	3.90	10	A
4,4'-DDD	ND		ug/kg	16.9	6.02	10	A
4,4'-DDT	ND		ug/kg	31.7	13.6	10	A
Endosulfan I	ND		ug/kg	16.9	3.99	10	A
Endosulfan II	ND		ug/kg	16.9	5.64	10	A
Endosulfan sulfate	ND		ug/kg	7.04	3.22	10	A
Methoxychlor	ND		ug/kg	31.7	9.85	10	A
Toxaphene	ND		ug/kg	317	88.7	10	A
cis-Chlordane	ND		ug/kg	21.1	5.88	10	A
trans-Chlordane	ND		ug/kg	21.1	5.57	10	A
Chlordane	ND		ug/kg	137	55.9	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	144		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04,07 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08,11-12,14 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04,07 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08,11-12,14 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Barium, TCLP	0.99		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Lead, TCLP	1.9		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:35	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-03
Client ID: G1_COMP-05D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5900		mg/kg	9.4	1.9	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.75	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.94	0.28	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Beryllium, Total	0.70		mg/kg	0.47	0.09	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.94	0.07	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Calcium, Total	13000		mg/kg	9.4	2.8	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Cobalt, Total	13		mg/kg	1.9	0.47	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Copper, Total	170		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.7	1.9	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Lead, Total	550		mg/kg	4.7	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Magnesium, Total	4600		mg/kg	9.4	0.94	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Manganese, Total	230		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Mercury, Total	0.72		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 09:57	EPA 7471B	1,7471B	MC
Nickel, Total	26		mg/kg	2.3	0.38	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Potassium, Total	720		mg/kg	230	38.	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Selenium, Total	1.1	J	mg/kg	1.9	0.28	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Sodium, Total	210		mg/kg	190	28.	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.94	0.09	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Zinc, Total	600		mg/kg	4.7	0.66	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Barium, TCLP	1.0		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Lead, TCLP	5.4		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:41	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-04
Client ID: G1_COMP-05S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7500		mg/kg	9.3	1.9	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.75	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Barium, Total	250		mg/kg	0.93	0.28	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Beryllium, Total	10		mg/kg	0.47	0.09	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Cadmium, Total	2.1		mg/kg	0.93	0.07	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Calcium, Total	11000		mg/kg	9.3	2.8	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Chromium, Total	74		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Cobalt, Total	34		mg/kg	1.9	0.47	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Copper, Total	620		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Iron, Total	31000		mg/kg	4.7	1.9	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Lead, Total	950		mg/kg	4.7	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Magnesium, Total	1700		mg/kg	9.3	0.93	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Manganese, Total	380		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Mercury, Total	0.85		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:04	EPA 7471B	1,7471B	MC
Nickel, Total	63		mg/kg	2.3	0.37	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Potassium, Total	830		mg/kg	230	37.	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Selenium, Total	1.2	J	mg/kg	1.9	0.28	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Silver, Total	1.5		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Sodium, Total	470		mg/kg	190	28.	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.37	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.93	0.09	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Zinc, Total	3700		mg/kg	47	6.5	20	09/19/13 09:49	09/21/13 12:24	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Barium, TCLP	0.42	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Lead, TCLP	0.31	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:42	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-07
Client ID: G1_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/13/13 09:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5900		mg/kg	9.0	1.8	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.72	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Arsenic, Total	11		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Barium, Total	140		mg/kg	0.90	0.27	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Beryllium, Total	2.1		mg/kg	0.45	0.09	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Cadmium, Total	0.83	J	mg/kg	0.90	0.06	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Calcium, Total	44000		mg/kg	9.0	2.7	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Chromium, Total	22		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Cobalt, Total	16		mg/kg	1.8	0.45	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Copper, Total	230		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.5	1.8	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Lead, Total	320		mg/kg	4.5	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Magnesium, Total	14000		mg/kg	9.0	0.90	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Manganese, Total	210		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Mercury, Total	0.20		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:06	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	2.3	0.36	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Potassium, Total	760		mg/kg	230	36.	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Selenium, Total	1.8		mg/kg	1.8	0.27	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Sodium, Total	240		mg/kg	180	27.	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.90	0.09	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Zinc, Total	1200		mg/kg	4.5	0.63	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Barium, TCLP	0.27	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Lead, TCLP	0.40	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:44	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-08
Client ID: G1_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/13/13 09:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5100		mg/kg	9.2	1.8	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Antimony, Total	1.3	J	mg/kg	4.6	0.74	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Arsenic, Total	11		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Barium, Total	120		mg/kg	0.92	0.28	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Beryllium, Total	0.39	J	mg/kg	0.46	0.09	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Cadmium, Total	0.77	J	mg/kg	0.92	0.06	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Calcium, Total	11000		mg/kg	9.2	2.8	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Cobalt, Total	7.6		mg/kg	1.8	0.46	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Copper, Total	100		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.6	1.8	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Lead, Total	310		mg/kg	4.6	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Magnesium, Total	2300		mg/kg	9.2	0.92	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Manganese, Total	270		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Mercury, Total	0.45		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:08	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.3	0.37	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Potassium, Total	780		mg/kg	230	37.	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Selenium, Total	1.1	J	mg/kg	1.8	0.28	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Sodium, Total	160	J	mg/kg	180	28.	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.92	0.09	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Zinc, Total	400		mg/kg	4.6	0.64	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11
Client ID: G1_COMP-01D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 09/13/13 10:50
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.03	J	mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Barium, TCLP	0.29	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Lead, TCLP	0.19	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:46	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11
Client ID: G1_COMP-01D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 09/13/13 10:50
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	9.6	1.9	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Arsenic, Total	54		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Barium, Total	89		mg/kg	0.96	0.29	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Beryllium, Total	0.38	J	mg/kg	0.48	0.10	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.96	0.07	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Calcium, Total	7200		mg/kg	9.6	2.9	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Cobalt, Total	8.7		mg/kg	1.9	0.48	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Copper, Total	100		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Iron, Total	29000		mg/kg	4.8	1.9	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Lead, Total	150		mg/kg	4.8	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Magnesium, Total	1100		mg/kg	9.6	0.96	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Manganese, Total	130		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Mercury, Total	0.33		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:10	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.4	0.38	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Potassium, Total	870		mg/kg	240	38.	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Selenium, Total	4.8		mg/kg	1.9	0.29	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Sodium, Total	1100		mg/kg	190	29.	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.96	0.10	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Zinc, Total	64		mg/kg	4.8	0.67	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12
Client ID: G1_COMP-01S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 10:45
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Barium, TCLP	0.85		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Lead, TCLP	0.48	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:48	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12
Client ID: G1_COMP-01S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 10:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6000		mg/kg	8.3	1.6	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.1	0.66	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Arsenic, Total	7.1		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Barium, Total	280		mg/kg	0.83	0.25	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Beryllium, Total	3.2		mg/kg	0.41	0.08	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.83	0.06	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Calcium, Total	54000		mg/kg	8.3	2.5	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Chromium, Total	53		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Cobalt, Total	45		mg/kg	1.6	0.41	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Copper, Total	810		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Iron, Total	34000		mg/kg	4.1	1.6	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Lead, Total	860		mg/kg	4.1	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Magnesium, Total	20000		mg/kg	8.3	0.83	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Manganese, Total	430		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Mercury, Total	1.6		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:15	EPA 7471B	1,7471B	MC
Nickel, Total	76		mg/kg	2.1	0.33	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Potassium, Total	790		mg/kg	210	33.	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Selenium, Total	0.48	J	mg/kg	1.6	0.25	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Silver, Total	0.28	J	mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Sodium, Total	760		mg/kg	160	25.	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.33	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.83	0.08	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Zinc, Total	4700		mg/kg	41	5.8	20	09/19/13 09:49	09/20/13 16:38	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14
Client ID: G1_COMP-DUP_091313_S
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 09/13/13 11:20
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Barium, TCLP	0.81		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Lead, TCLP	0.34	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:53	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14
Client ID: G1_COMP-DUP_091313_S
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 09/13/13 11:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6300		mg/kg	8.4	1.7	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Arsenic, Total	9.1		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Barium, Total	270		mg/kg	0.84	0.25	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Beryllium, Total	2.2		mg/kg	0.42	0.08	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Cadmium, Total	1.3		mg/kg	0.84	0.06	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Calcium, Total	33000		mg/kg	8.4	2.5	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Chromium, Total	37		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Cobalt, Total	29		mg/kg	1.7	0.42	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Copper, Total	570		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Iron, Total	31000		mg/kg	4.2	1.7	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Lead, Total	700		mg/kg	4.2	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Magnesium, Total	7000		mg/kg	8.4	0.84	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Manganese, Total	330		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Mercury, Total	1.1		mg/kg	0.07	0.02	1	09/21/13 12:30	09/23/13 10:17	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.1	0.34	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Potassium, Total	830		mg/kg	210	34.	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Selenium, Total	0.72	J	mg/kg	1.7	0.25	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Silver, Total	0.27	J	mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Sodium, Total	600		mg/kg	170	25.	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.84	0.08	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Zinc, Total	2700		mg/kg	42	5.9	20	09/19/13 09:49	09/20/13 16:41	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637358-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637383-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637358-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	91		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	93		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	104		-		66-134	-		
Sodium, Total	98		-		74-127	-		
Thallium, Total	91		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637358-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637383-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	105	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	104	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	108	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10												
Aluminum, Total	5900	183	7400	**818**	Q	-	-		75-125	-		35
Antimony, Total	ND	45.8	55	120		-	-		75-125	-		35
Arsenic, Total	12.	11	27	**136**	Q	-	-		75-125	-		35
Barium, Total	160	183	380	120		-	-		75-125	-		35
Beryllium, Total	0.70	4.58	5.4	102		-	-		75-125	-		35
Cadmium, Total	1.1	4.68	5.3	90		-	-		75-125	-		35
Calcium, Total	13000	917	17000	**436**	Q	-	-		75-125	-		35
Chromium, Total	16.	18.3	31	82		-	-		75-125	-		35
Cobalt, Total	13.	45.8	48	76		-	-		75-125	-		35
Copper, Total	170	22.9	260	**392**	Q	-	-		75-125	-		35
Iron, Total	26000	91.7	23000	**0**	Q	-	-		75-125	-		35
Lead, Total	550	46.8	1400	**1820**	Q	-	-		75-125	-		35
Magnesium, Total	4600	917	6300	**185**	Q	-	-		75-125	-		35
Manganese, Total	230	45.8	210	**0**	Q	-	-		75-125	-		35
Nickel, Total	26.	45.8	62	78		-	-		75-125	-		35
Potassium, Total	720	917	1500	85		-	-		75-125	-		35
Selenium, Total	1.1J	11	11	100		-	-		75-125	-		35
Silver, Total	ND	27.5	27	98		-	-		75-125	-		35
Sodium, Total	210	917	1200	108		-	-		75-125	-		35
Thallium, Total	ND	11	7.6	**69**	Q	-	-		75-125	-		35
Vanadium, Total	19.	45.8	65	100		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10										
Zinc, Total	600	45.8	470	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637383-4 QC Sample: L1318339-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.34J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	0.10J	2	2.2	110		-	-	75-125	-	20
Lead, TCLP	0.14J	5.1	5.4	106		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.54	108		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Aluminum, Total	5900	6400	mg/kg	8		35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	12.	20	mg/kg	**50**	Q	35
Barium, Total	160	200	mg/kg	22		35
Beryllium, Total	0.70	1.2	mg/kg	**53**	Q	35
Cadmium, Total	1.1	1.6	mg/kg	**37**	Q	35
Calcium, Total	13000	14000	mg/kg	7		35
Chromium, Total	16.	30	mg/kg	**61**	Q	35
Cobalt, Total	13.	18	mg/kg	32		35
Copper, Total	170	310	mg/kg	**58**	Q	35
Iron, Total	26000	30000	mg/kg	14		35
Lead, Total	550	910	mg/kg	**49**	Q	35
Magnesium, Total	4600	3700	mg/kg	22		35
Manganese, Total	230	290	mg/kg	23		35
Nickel, Total	26.	35	mg/kg	30		35
Potassium, Total	720	700	mg/kg	3		35
Selenium, Total	1.1J	1.7J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	210	350	mg/kg	**50**	Q	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Thallium, Total	ND	ND	mg/kg	NC		35
Vanadium, Total	19.	23	mg/kg	19		35
Zinc, Total	600	1200	mg/kg	**67**	Q	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637383-3 QC Sample: L1318339-01 Client ID: DUP Sample						
Lead, TCLP	0.14J	0.15J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Mercury, Total	0.72	0.69	mg/kg	4		35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-01
Client ID: G1_SB-05B_8-8.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-02
Client ID: G1_SB-05B_3-3.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-03
Client ID: G1_COMP-05D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.97	0.97	1	-	09/23/13 11:29	107,-	JO
Solids, Total	82.1		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/18/13 10:00	09/18/13 15:04	1,9010C/9012A	JO
pH (H)	7.5		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.97	0.22	1	09/16/13 17:50	09/17/13 22:34	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:38	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-04
Client ID: G1_COMP-05S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	74		mg/kg	0.96	0.96	1	-	09/23/13 11:29	107,-	JO
Solids, Total	82.9		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:20	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.96	0.22	1	09/16/13 17:50	09/17/13 22:36	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:38	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05
Client ID: G1_SB-06A_3-3.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 08:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-06
Client ID: G1_SB-06A_7-7.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 09:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	64.0		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-07
Client ID: G1_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 09:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.93	0.93	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.7		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 12:55	09/18/13 16:10	1,9010C/9012A	JO
pH (H)	8.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	0.23	J	mg/kg	0.93	0.21	1	09/16/13 17:50	09/17/13 22:36	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:39	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-08
Client ID: G1_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 09:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.94	0.94	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.0		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 12:55	09/18/13 16:11	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 17:50	09/17/13 22:37	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:39	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-09
Client ID: G1_SB-04B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:25
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-10
Client ID: G1_SB-04A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:30
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.4		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11
Client ID: G1_COMP-01D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:50
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	1.0	1.0	1	-	09/23/13 11:29	107,-	JO
Solids, Total	78.5		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.2	0.29	1	09/18/13 12:55	09/18/13 16:11	1,9010C/9012A	JO
pH (H)	7.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 17:50	09/17/13 22:37	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:39	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12
Client ID: G1_COMP-01S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	53		mg/kg	0.88	0.88	1	-	09/23/13 11:29	107,-	JO
Solids, Total	90.7		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:12	1,9010C/9012A	JO
pH (H)	8.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 17:50	09/17/13 22:38	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/18/13 10:00	1,9095A	ST

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-13
Client ID: G1_DUP_091313_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 11:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14
Client ID: G1_COMP-DUP_091313_S
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 11:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	37		mg/kg	0.87	0.87	1	-	09/23/13 11:29	107,-	JO
Solids, Total	91.5		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:13	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.87	0.20	1	09/16/13 17:50	09/17/13 22:38	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 07-08,11-12,14 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 07-08,11-12,14 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35
General Chemistry - Westborough Lab Associated sample(s): 07-08,11-12,14 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
pH (H)	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG637219-1 QC Sample: L1318140-01 Client ID: DUP Sample						
Solids, Total	84.5	84.5	%	0		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 13:56

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-01A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-01B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-01C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-01D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-01E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-01F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-01G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-02A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-02B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-02C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-02D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-02E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-02F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-02G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-03A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)
L1318158-03B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-03C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-03X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-04A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)
L1318158-04B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-04C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-04X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-05A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2),NYTCL-8260H(14)
L1318158-05B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2),NYTCL-8260H(14)
L1318158-05C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2),NYTCL-8260H(14)
L1318158-05D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1318158-05E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1318158-05F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1318158-05G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-06A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-06B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-06C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-06D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-06E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-06F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-06G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-07A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-07B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-07C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-07X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-08A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-08B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-08C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-08X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-09A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-09B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-09C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-09D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-09E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-09F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-09G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-10A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-10B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-10C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-10D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-10E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-10F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-10G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-11A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)
L1318158-11B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-11C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-11X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-12A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-12B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-12C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-12E	Amber 120ml unpreserved	A	N/A	4.2	Y	Absent	PAINTF()
L1318158-12X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-13A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-13B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-13C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-13D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-13E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-13F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-13G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-14A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-14B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-14C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-14X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-15A	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1318158-15B	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)

Container Comments

L1318158-04C

L1318158-07B

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318158
Project Number: 170229002 **Report Date:** 09/25/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil □Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.□

Massachusetts Department of Environmental Protection Certi□icate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: □EPA 200.8 □or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ □EPA 200.7 □or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni□ 245.1, □300.0 □or: Nitrate-N, Fluoride, Sul□ate□□ □EPA 353.2 □or: Nitrate-N, Nitrite-N□□ □SM4500NO3-F □or: Nitrate-N and Nitrite-N□□4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: □EPA 524.2 □or: Trihalomethanes, Volatile Organics□□□504.1 □or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane□, EPA 332. Microbiology Parameters: SM9215B□EN□. SUB. SM9223□ Colilert□T SM9223B□MF-SM9222D.□

*Non-Potable Water (*Inorganic Parameters:, □EPA 200.8 □or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□□EPA 200.7 □or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□□ 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, □EPA 350.1 □or: Ammonia-N□, LACHAT 10-107-06-1-B □or Ammonia-N, SM4500NO3-F, 353.2 □or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: □EPA 624 □or Volatile Halocarbons, Volatile Aromatics□,□608 □or: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs-Water□, □EPA 625 □or SVOC Acid E□tractables and SVOC Base/Neutral E□tractables□, 600/4-81-045-PCB-Oil. Microbiology Parameters: □Colilert□T SM9223B□ Enterolert-□T: SM9222D-MF.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H□B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H□B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.□

Solid & Chemical Materials □Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water □Organic Parameters: **EPA 524.2:** Di-isopropyl ether □DIPE□, Ethyl-t-butyl ether □ETBE□, Tert-amyl methyl ether □TAME□□.

Non-Potable Water □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.□

Solid & Chemical Materials □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.□

New Jersey Department of Environmental Protection Certi□icate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5□E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dio□ane by N□Modi□ied 8270, 8015B, N□EPH.□

Solid & Chemical Materials □Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: ~~9/13/13~~ 9/14/14

ALPHA Job #: L1318158

Client Information

Client: Langan, O.R.C.

Address: 360 W 31st St. 8th Flor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NY SDEC	6 NYCRR 375 unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) Provide Category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs, Total CN, Hex chrom, Tl, Cr(VI), TCLP RCRA 8 metals	TCL RCRA char	TS	SVOC, PCB, Pest, HVS, BZO	TPH GRO							Sample Specific Comments	TOTAL # BOTTLES
18158-1	G1 SB-05B (8-8.5)	9/12/13	17:00	Soil	NB	X		X										4
2	G1 SB-05B (3-3.5)	↓	↓		NB	X		X										4
3	G1-COMP-05D-5-10				NB		X		X	X								3
4	G1-COMP-05S-0-5				NB		X		X	X								3
5	G1 SB-06A-(3-3.5)	9/13/13	8:55		NB	X		X										4
6	G1-SB-06A-(7-7.5)	9/13/13	9:00		NB	X		X										4
7	G1 COMP-06S-0-5		9:05		NB		X		X	X								3
8	G1 COMP-06D-5-10		9:10		NB		X		X	X								3
9	G1-SB-04B-(4-4.5)		10:25		NB	X		X										4
10	G1 SB-04A-(9-9.5)		10:30		NB	X		X										4
	Container Type																	
	Preservative																	

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

COOLER A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
[illegible]	9/13/13	[illegible]	9/13/13 9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318158

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygoradetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Metals (Total CN, Hex Chrom, Hg, Cr)	TCLP 8270 & metals	PCBs	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	paint filter	VOC	Sample Specific Comments	Total # Bottles
18158-11	GL_COMP_OLD_5-10	9/13/13	10:50	Soil	NB		X			X	X					3
12	GL_COMP_OLS_0-5	9/13/13	10:45	Soil	NB		X			X	X	X				4
13	GL_DUP_09132313 (4-4.5)		11:15	Soil	NB	X			X							4
14	GL_COMP_DUP_09132355		11:20	Soil	NB		X			X	X					3
15	TRIP BLANK												X			2

Container Type															
Preservative															

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

COOLER A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	Tom Fisher	9/13/13 2035
Tom Fisher	9/13/13	[illegible]	9/13/13
			9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318159
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/25/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318159-01	FB01_091313	BROOKLYN, NY	09/13/13 12:00
L1318159-02	G1_SB-02A_2.5-3	BROOKLYN, NY	09/13/13 12:55
L1318159-03	G1_SB-02A_8-8.5	BROOKLYN, NY	09/13/13 13:00
L1318159-04	G1_COMP-02S_0-5	BROOKLYN, NY	09/13/13 13:15
L1318159-05	G1_COMP-02D_5-10	BROOKLYN, NY	09/13/13 13:20
L1318159-06	TB01_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1318159-04 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The WG636954-2/-3 LCS/LCSD recoveries, associated with L1318159-01, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

PCBs

L1318159-01 has elevated detection limits due to limited sample volume available for analysis.

Pesticides

Due to a laboratory oversight, the WG636605-1 Method Blank, associated with L1318159-01, was spiked with spike solution and is not reported. The associated sample is non-detect with acceptable surrogate recoveries.

L1318159-04 and -05 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318159-04 and -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318159-04 and -05, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration, no qualification of the results was performed.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

Chromium, Hexavalent

L1318159-01 was analyzed with the method required holding time exceeded. The result is reported at the client's request.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 17:07		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01 Date Collected: 09/13/13 12:00

Client ID: FB01_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.0	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	117		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-02	Date Collected:	09/13/13 12:55
Client ID:	G1_SB-02A_2.5-3	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 20:11		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.28	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-02 Date Collected: 09/13/13 12:55

Client ID: G1_SB-02A_2.5-3 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.56	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.26	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.9	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
Methyl Acetate	ND		ug/kg	24	0.90	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-02	Date Collected:	09/13/13 12:55
Client ID:	G1_SB-02A_2.5-3	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.32	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-03	Date Collected:	09/13/13 13:00
Client ID:	G1_SB-02A_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 14:54		
Analyst:	BN		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.68	1
Bromoform	ND		ug/kg	5.9	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.4	1.2	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-03 Date Collected: 09/13/13 13:00

Client ID: G1_SB-02A_8-8.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.15	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	18		ug/kg	15	4.6	1
Carbon disulfide	ND		ug/kg	15	3.0	1
2-Butanone	4.4	J	ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.4	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.4	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.31	1
tert-Butylbenzene	ND		ug/kg	7.4	0.83	1
o-Chlorotoluene	ND		ug/kg	7.4	0.24	1
p-Chlorotoluene	ND		ug/kg	7.4	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.28	1
Naphthalene	5.8	J	ug/kg	7.4	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.85	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-03	Date Collected:	09/13/13 13:00
Client ID:	G1_SB-02A_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.41	1
p-Diethylbenzene	ND		ug/kg	5.9	0.24	1
p-Ethyltoluene	ND		ug/kg	5.9	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.67	1
Methyl cyclohexane	ND		ug/kg	5.9	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-06	Date Collected:	09/13/13 00:00
Client ID:	TB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 17:35		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-06 Date Collected: 09/13/13 00:00

Client ID: TB01_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-06	Date Collected:	09/13/13 00:00
Client ID:	TB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:20
Analytical Date:	09/20/13 21:13		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Benzaldehyde	ND		ug/l	5.0	0.60	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	79		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	09/18/13 02:21
Analytical Date:	09/19/13 13:19		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	75		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 02:05		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	630		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	8800		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	170	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	120	J	ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	4400		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04 Date Collected: 09/13/13 13:15

Client ID: G1_COMP-02S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3500		ug/kg	290	88.	2
Benzo(b)fluoranthene	4600		ug/kg	220	73.	2
Benzo(k)fluoranthene	1700		ug/kg	220	69.	2
Chrysene	4200		ug/kg	220	71.	2
Acenaphthylene	260	J	ug/kg	290	68.	2
Anthracene	1900		ug/kg	220	60.	2
Benzo(ghi)perylene	2300		ug/kg	290	75.	2
Fluorene	610		ug/kg	360	100	2
Phenanthrene	7600		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	720		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	290	80.	2
Pyrene	7400		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	380		ug/kg	360	120	2
2-Methylnaphthalene	130	J	ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	700		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	95		0-136
4-Terphenyl-d14	58		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 02:32		
Analyst:	PS		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	640		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	6500		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	730		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	2800		ug/kg	120	40.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05 Date Collected: 09/13/13 13:20

Client ID: G1_COMP-02D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2900		ug/kg	160	50.	1
Benzo(b)fluoranthene	3500		ug/kg	120	41.	1
Benzo(k)fluoranthene	1400		ug/kg	120	39.	1
Chrysene	3200		ug/kg	120	40.	1
Acenaphthylene	160		ug/kg	160	38.	1
Anthracene	1400		ug/kg	120	34.	1
Benzo(ghi)perylene	1900		ug/kg	160	42.	1
Fluorene	840		ug/kg	200	58.	1
Phenanthrene	5500		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	600		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	160	45.	1
Pyrene	5300		ug/kg	120	40.	1
Biphenyl	120	J	ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	590		ug/kg	200	68.	1
2-Methylnaphthalene	320		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	650		ug/kg	200	44.	1
Benzaldehyde	200	J	ug/kg	270	82.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	56.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	57		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/13 10:42
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG636953-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/13 10:42
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG636953-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	89		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 14:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG636954-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 14:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG636954-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53
Benzaldehyde	ND		ug/l	5.0	0.60
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	1.0
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	87		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	66.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG636953-2 WG636953-3								
Acenaphthene	84		83		37-111	1		40
2-Chloronaphthalene	72		73		40-140	1		40
Fluoranthene	114		117		40-140	3		40
Hexachlorobutadiene	40		**38**	Q	40-140	5		40
Naphthalene	72		73		40-140	1		40
Benzo(a)anthracene	111		114		40-140	3		40
Benzo(a)pyrene	112		116		40-140	4		40
Benzo(b)fluoranthene	114		113		40-140	1		40
Benzo(k)fluoranthene	117		120		40-140	3		40
Chrysene	100		104		40-140	4		40
Acenaphthylene	88		90		40-140	2		40
Anthracene	100		111		40-140	10		40
Benzo(ghi)perylene	102		104		40-140	2		40
Fluorene	86		85		40-140	1		40
Phenanthrene	109		105		40-140	4		40
Dibenzo(a,h)anthracene	105		107		40-140	2		40
Indeno(1,2,3-cd)Pyrene	109		110		40-140	1		40
Pyrene	110		114		26-127	4		40
2-Methylnaphthalene	72		74		40-140	3		40
Pentachlorophenol	77		78		9-103	1		40
Hexachlorobenzene	83		82		40-140	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG636953-2 WG636953-3								
Hexachloroethane	46		44		40-140	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	36		41		21-120
Phenol-d6	22		26		10-120
Nitrobenzene-d5	95		102		23-120
2-Fluorobiphenyl	83		90		15-120
2,4,6-Tribromophenol	102		**122**	Q	10-120
4-Terphenyl-d14	100		111		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
1,2,4-Trichlorobenzene	70		73		39-98	4		30
Bis(2-chloroethyl)ether	100		105		40-140	5		30
1,2-Dichlorobenzene	74		76		40-140	3		30
1,3-Dichlorobenzene	70		71		40-140	1		30
1,4-Dichlorobenzene	70		71		36-97	1		30
3,3'-Dichlorobenzidine	84		83		40-140	1		30
2,4-Dinitrotoluene	**124**	Q	**127**	Q	24-96	2		30
2,6-Dinitrotoluene	113		116		40-140	3		30
4-Chlorophenyl phenyl ether	100		105		40-140	5		30
4-Bromophenyl phenyl ether	107		113		40-140	5		30
Bis(2-chloroisopropyl)ether	97		103		40-140	6		30
Bis(2-chloroethoxy)methane	106		111		40-140	5		30
Hexachlorocyclopentadiene	**39**	Q	41		40-140	5		30
Isophorone	104		107		40-140	3		30
Nitrobenzene	97		105		40-140	8		30
NitrosoDiPhenylAmine(NDPA)/DPA	108		113		40-140	5		30
n-Nitrosodi-n-propylamine	100		105		29-132	5		30
Bis(2-Ethylhexyl)phthalate	111		116		40-140	4		30
Butyl benzyl phthalate	119		123		40-140	3		30
Di-n-butylphthalate	115		119		40-140	3		30
Di-n-octylphthalate	115		119		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
Diethyl phthalate	109		113		40-140	4		30
Dimethyl phthalate	112		117		40-140	4		30
Biphenyl	91		95			4		30
4-Chloroaniline	64		67		40-140	5		30
2-Nitroaniline	117		121		52-143	3		30
3-Nitroaniline	70		74		25-145	6		30
4-Nitroaniline	119		128		51-143	7		30
Dibenzofuran	98		104		40-140	6		30
1,2,4,5-Tetrachlorobenzene	78		82		2-134	5		30
Acetophenone	112		120		39-129	7		30
2,4,6-Trichlorophenol	113		118		30-130	4		30
P-Chloro-M-Cresol	**104**	Q	**108**	Q	23-97	4		30
2-Chlorophenol	84		89		27-123	6		30
2,4-Dichlorophenol	108		113		30-130	5		30
2,4-Dimethylphenol	101		106		30-130	5		30
2-Nitrophenol	102		110		30-130	8		30
4-Nitrophenol	49		49		10-80	0		30
2,4-Dinitrophenol	101		106		20-130	5		30
4,6-Dinitro-o-cresol	110		119		20-164	8		30
Phenol	34		36		12-110	6		30
2-Methylphenol	75		77		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
3-Methylphenol/4-Methylphenol	67		70		30-130	4		30
2,4,5-Trichlorophenol	113		119		30-130	5		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	73		79			8		30
Carbazole	113		117		55-144	3		30
Benzaldehyde	96		100			4		30
Caprolactam	19		22			15		30
Atrazine	125		127			2		30
2,3,4,6-Tetrachlorophenol	107		115			7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		48		21-120
Phenol-d6	31		33		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		103		15-120
2,4,6-Tribromophenol	109		111		10-120
4-Terphenyl-d14	98		99		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Acenaphthene	97		100		31-137	3		50
Benzidine	48		49			2		50
n-Nitrosodimethylamine	89		91			2		50
1,2,4-Trichlorobenzene	93		96		38-107	3		50
Hexachlorobenzene	98		100		40-140	2		50
Bis(2-chloroethyl)ether	88		90		40-140	2		50
2-Chloronaphthalene	94		97		40-140	3		50
1,2-Dichlorobenzene	92		94		40-140	2		50
1,3-Dichlorobenzene	91		94		40-140	3		50
1,4-Dichlorobenzene	91		93		28-104	2		50
3,3'-Dichlorobenzidine	82		84		40-140	2		50
2,4-Dinitrotoluene	**101**	Q	**105**	Q	28-89	4		50
2,6-Dinitrotoluene	99		104		40-140	5		50
Fluoranthene	104		108		40-140	4		50
4-Chlorophenyl phenyl ether	98		101		40-140	3		50
4-Bromophenyl phenyl ether	100		104		40-140	4		50
Azobenzene	96		98		40-140	2		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	91		92		40-117	1		50
Hexachlorobutadiene	94		100		40-140	6		50
Hexachlorocyclopentadiene	107		112		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Hexachloroethane	91		94		40-140	3		50
Isophorone	92		95		40-140	3		50
Naphthalene	94		98		40-140	4		50
Nitrobenzene	109		114		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		106			3		50
n-Nitrosodi-n-propylamine	93		96		32-121	3		50
Bis(2-Ethylhexyl)phthalate	110		**170**	Q	40-140	43		50
Butyl benzyl phthalate	110		113		40-140	3		50
Di-n-butylphthalate	114		118		40-140	3		50
Di-n-octylphthalate	115		120		40-140	4		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	99		104		40-140	5		50
Benzo(a)anthracene	99		106		40-140	7		50
Benzo(a)pyrene	108		114		40-140	5		50
Benzo(b)fluoranthene	107		110		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	99		100		40-140	1		50
Acenaphthylene	100		103		40-140	3		50
Anthracene	107		111		40-140	4		50
Benzo(ghi)perylene	101		108		40-140	7		50
Fluorene	98		103		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Phenanthrene	99		103		40-140	4		50
Dibenzo(a,h)anthracene	111		114		40-140	3		50
Indeno(1,2,3-cd)Pyrene	102		110		40-140	8		50
Pyrene	101		103		35-142	2		50
Biphenyl	105		108			3		50
Aniline	81		84		40-140	4		50
4-Chloroaniline	72		70		40-140	3		50
2-Nitroaniline	103		106		47-134	3		50
3-Nitroaniline	63		63		26-129	0		50
4-Nitroaniline	97		101		41-125	4		50
Dibenzofuran	97		101		40-140	4		50
2-Methylnaphthalene	92		94		40-140	2		50
1,2,4,5-Tetrachlorobenzene	103		107		40-117	4		50
Acetophenone	100		105		14-144	5		50
2,4,6-Trichlorophenol	114		119		30-130	4		50
P-Chloro-M-Cresol	**109**	Q	**112**	Q	26-103	3		50
2-Chlorophenol	100		**104**	Q	25-102	4		50
2,4-Dichlorophenol	109		114		30-130	4		50
2,4-Dimethylphenol	101		106		30-130	5		50
2-Nitrophenol	102		107		30-130	5		50
4-Nitrophenol	**119**	Q	**123**	Q	11-114	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
2,4-Dinitrophenol	114		125		4-130	9		50
4,6-Dinitro-o-cresol	106		115		10-130	8		50
Pentachlorophenol	102		107		17-109	5		50
Phenol	**100**	Q	**102**	Q	26-90	2		50
2-Methylphenol	103		106		30-130.	3		50
3-Methylphenol/4-Methylphenol	110		113		30-130	3		50
2,4,5-Trichlorophenol	109		114		30-130	4		50
Benzoic Acid	86		94			9		50
Benzyl Alcohol	94		101		40-140	7		50
Carbazole	101		103		54-128	2		50
Benzaldehyde	94		94			0		50
Caprolactam	109		114			4		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	113		114			1		50
Pyridine	78		78		10-93	0		50
Parathion, ethyl	129		134		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	104		107		25-120
Phenol-d6	99		102		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		101		30-120
2,4,6-Tribromophenol	104		108		0-136
4-Terphenyl-d14	90		93		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 19:36		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	130	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	73		70-130
4-Bromofluorobenzene	80		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04 D	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 18:50		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	403000		ug/kg	70100	6860	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 20:17		
Analyst:	JV		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	710	J	ug/kg	3100	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	75		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05 D	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 16:46		
Analyst:	AR		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	492000		ug/kg	195000	19100	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	103		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04-05 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04-05 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-05 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: MS Sample												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: DUP Sample					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	09/17/13 21:59
Analytical Date:	09/19/13 21:22	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/18/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:29	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	6.93	1	A
Aroclor 1221	ND		ug/kg	35.1	10.6	1	A
Aroclor 1232	ND		ug/kg	35.1	7.46	1	A
Aroclor 1242	ND		ug/kg	35.1	6.66	1	A
Aroclor 1248	ND		ug/kg	35.1	4.25	1	A
Aroclor 1254	ND		ug/kg	35.1	5.53	1	A
Aroclor 1260	ND		ug/kg	35.1	6.09	1	A
Aroclor 1262	ND		ug/kg	35.1	2.60	1	A
Aroclor 1268	ND		ug/kg	35.1	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:42	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	81%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	7.75	1	A
Aroclor 1221	ND		ug/kg	39.2	11.8	1	A
Aroclor 1232	ND		ug/kg	39.2	8.34	1	A
Aroclor 1242	ND		ug/kg	39.2	7.45	1	A
Aroclor 1248	ND		ug/kg	39.2	4.75	1	A
Aroclor 1254	ND		ug/kg	39.2	6.18	1	A
Aroclor 1260	ND		ug/kg	39.2	6.81	1	A
Aroclor 1262	ND		ug/kg	39.2	2.90	1	A
Aroclor 1268	ND		ug/kg	39.2	5.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-05 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/19/13 20:29
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 09/17/13 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/18/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG636894-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG636894-2 WG636894-3									
Aroclor 1016	81		83		40-140	3		50	A
Aroclor 1260	71		76		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		64		30-150	A
Decachlorobiphenyl	76		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		61		30-150	B
Decachlorobiphenyl	63		66		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/17/13 02:15
Analytical Date:	09/18/13 22:37	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/17/13 06:44
Analytical Date:	09/18/13 19:22	Methylation Date:	09/18/13 03:41
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:52	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	21.7	1	A
2,4,5-T	ND		ug/kg	179	11.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	9.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04 D	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:25	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.3	3.39	10	A
Lindane	ND		ug/kg	7.22	3.23	10	A
Alpha-BHC	ND		ug/kg	7.22	2.05	10	A
Beta-BHC	ND		ug/kg	17.3	6.57	10	A
Heptachlor	ND		ug/kg	8.66	3.88	10	A
Aldrin	ND		ug/kg	17.3	6.10	10	A
Heptachlor epoxide	ND		ug/kg	32.5	9.74	10	A
Endrin	ND		ug/kg	7.22	2.96	10	A
Endrin ketone	ND		ug/kg	17.3	4.46	10	A
Dieldrin	ND		ug/kg	10.8	5.41	10	A
4,4'-DDE	ND		ug/kg	17.3	4.00	10	A
4,4'-DDD	ND		ug/kg	17.3	6.18	10	A
4,4'-DDT	31.8	J	ug/kg	32.5	13.9	10	A
Endosulfan I	ND		ug/kg	17.3	4.09	10	A
Endosulfan II	ND		ug/kg	17.3	5.79	10	A
Endosulfan sulfate	ND		ug/kg	7.22	3.30	10	A
Methoxychlor	ND		ug/kg	32.5	10.1	10	A
Toxaphene	ND		ug/kg	325	90.9	10	A
cis-Chlordane	ND		ug/kg	21.6	6.03	10	A
trans-Chlordane	ND		ug/kg	21.6	5.72	10	A
Chlordane	ND		ug/kg	141	57.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 11:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	203	24.6	1	A
2,4,5-T	ND		ug/kg	203	12.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	203	11.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05 D	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:38	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.5	3.83	10	A
Lindane	ND		ug/kg	8.14	3.64	10	A
Alpha-BHC	ND		ug/kg	8.14	2.31	10	A
Beta-BHC	ND		ug/kg	19.5	7.41	10	A
Heptachlor	ND		ug/kg	9.77	4.38	10	A
Aldrin	ND		ug/kg	19.5	6.88	10	A
Heptachlor epoxide	ND		ug/kg	36.6	11.0	10	A
Endrin	ND		ug/kg	8.14	3.34	10	A
Endrin ketone	ND		ug/kg	19.5	5.03	10	A
Dieldrin	ND		ug/kg	12.2	6.11	10	A
4,4'-DDE	ND		ug/kg	19.5	4.52	10	A
4,4'-DDD	ND		ug/kg	19.5	6.97	10	A
4,4'-DDT	ND		ug/kg	36.6	15.7	10	A
Endosulfan I	ND		ug/kg	19.5	4.62	10	A
Endosulfan II	ND		ug/kg	19.5	6.53	10	A
Endosulfan sulfate	ND		ug/kg	8.14	3.72	10	A
Methoxychlor	ND		ug/kg	36.6	11.4	10	A
Toxaphene	ND		ug/kg	366	103.	10	A
cis-Chlordane	ND		ug/kg	24.4	6.81	10	A
trans-Chlordane	ND		ug/kg	24.4	6.45	10	A
Chlordane	ND		ug/kg	159	64.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	**165**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/18/13 18:02
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/17/13 06:44

Methylation Date: 09/18/13 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG636619-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	66		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 09:34
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/18/13 19:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-05 Batch: WG637232-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.293	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-05 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636605-2 WG636605-3									
Delta-BHC	107		78		30-150	**31**	Q	20	A
Lindane	103		78		30-150	**27**	Q	20	A
Alpha-BHC	98		72		30-150	**30**	Q	20	A
Beta-BHC	103		81		30-150	**24**	Q	20	A
Heptachlor	78		63		30-150	**21**	Q	20	A
Aldrin	69		57		30-150	18		20	A
Heptachlor epoxide	95		71		30-150	**29**	Q	20	A
Endrin	117		86		30-150	**31**	Q	20	A
Endrin ketone	107		74		30-150	**36**	Q	20	A
Dieldrin	103		76		30-150	**30**	Q	20	A
4,4'-DDE	92		69		30-150	**28**	Q	20	A
4,4'-DDD	106		78		30-150	**31**	Q	20	A
4,4'-DDT	108		80		30-150	**30**	Q	20	A
Endosulfan I	99		74		30-150	**29**	Q	20	A
Endosulfan II	95		67		30-150	**34**	Q	20	A
Endosulfan sulfate	101		70		30-150	**37**	Q	20	A
Methoxychlor	111		79		30-150	**33**	Q	20	A
cis-Chlordane	94		71		30-150	**27**	Q	20	A
trans-Chlordane	88		70		30-150	**24**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636605-2 WG636605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		48		30-150	A
Decachlorobiphenyl	123		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		39		30-150	B
Decachlorobiphenyl	143		137		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636619-2 WG636619-3									
2,4-D	107		98		30-150	9		25	A
2,4,5-T	101		97		30-150	4		25	A
2,4,5-TP (Silvex)	101		98		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		96		30-150	A
DCAA	81		79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637232-2 WG637232-3									
Delta-BHC	76		82		30-150	8		30	A
Lindane	68		81		30-150	17		30	A
Alpha-BHC	74		77		30-150	4		30	A
Beta-BHC	78		82		30-150	5		30	A
Heptachlor	79		83		30-150	5		30	A
Aldrin	78		82		30-150	5		30	A
Heptachlor epoxide	69		73		30-150	6		30	A
Endrin	80		85		30-150	6		30	A
Endrin ketone	69		72		30-150	4		30	A
Dieldrin	72		77		30-150	7		30	A
4,4'-DDE	70		74		30-150	6		30	A
4,4'-DDD	72		77		30-150	7		30	A
4,4'-DDT	72		75		30-150	4		30	A
Endosulfan I	72		76		30-150	5		30	A
Endosulfan II	64		67		30-150	5		30	A
Endosulfan sulfate	67		70		30-150	4		30	A
Methoxychlor	70		74		30-150	6		30	A
cis-Chlordane	71		77		30-150	8		30	A
trans-Chlordane	72		76		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637232-2 WG637232-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	102		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		76		30-150	B
Decachlorobiphenyl	117		137		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01
Client ID: FB01_091313
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/13/13 12:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Barium, Total	0.00025	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Calcium, Total	0.0504	J	mg/l	0.100	0.0320	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Chromium, Total	0.00100		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Manganese, Total	0.00031	J	mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 14:55	EPA 7470A	1,7470A	JH
Nickel, Total	0.00036	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Sodium, Total	0.177		mg/l	0.100	0.0150	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Barium, TCLP	0.37	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Lead, TCLP	0.72		mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:18	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04
Client ID: G1_COMP-02S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 13:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7900		mg/kg	8.4	1.7	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.68	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Arsenic, Total	7.2		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Barium, Total	390		mg/kg	0.84	0.25	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Beryllium, Total	3.7		mg/kg	0.42	0.08	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.84	0.06	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Calcium, Total	83000		mg/kg	8.4	2.5	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Chromium, Total	43		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Cobalt, Total	25		mg/kg	1.7	0.42	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Copper, Total	480		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Iron, Total	25000		mg/kg	4.2	1.7	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Lead, Total	1600		mg/kg	4.2	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Magnesium, Total	27000		mg/kg	8.4	0.84	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Mercury, Total	0.49		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:19	EPA 7471B	1,7471B	MC
Nickel, Total	44		mg/kg	2.1	0.34	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	210	34.	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Selenium, Total	0.66	J	mg/kg	1.7	0.25	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Sodium, Total	810		mg/kg	170	25.	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Vanadium, Total	24		mg/kg	0.84	0.08	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Zinc, Total	2800		mg/kg	21	3.0	10	09/19/13 11:28	09/20/13 11:06	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Barium, TCLP	0.16	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:23	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05
Client ID: G1_COMP-02D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 09/13/13 13:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	9.6	1.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Arsenic, Total	46		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Barium, Total	170		mg/kg	0.96	0.29	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Beryllium, Total	0.32	J	mg/kg	0.48	0.10	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Cadmium, Total	0.80	J	mg/kg	0.96	0.07	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Calcium, Total	7700		mg/kg	9.6	2.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Cobalt, Total	3.6		mg/kg	1.9	0.48	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Copper, Total	130		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.8	1.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Lead, Total	160		mg/kg	4.8	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Magnesium, Total	720		mg/kg	9.6	0.96	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Manganese, Total	90		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Mercury, Total	0.46		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:21	EPA 7471B	1,7471B	MC
Nickel, Total	8.8		mg/kg	2.4	0.38	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Potassium, Total	610		mg/kg	240	38.	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Selenium, Total	4.0		mg/kg	1.9	0.29	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Sodium, Total	790		mg/kg	190	29.	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Vanadium, Total	15		mg/kg	0.96	0.10	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Zinc, Total	74		mg/kg	4.8	0.67	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG636695-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Chromium, Total	0.00066	J	mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Manganese, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Nickel, Total	0.00029	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Sodium, Total	0.0273	J	mg/l	0.100	0.0150	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-05 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND	mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND	mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2	mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND	mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND	mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND	mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND	mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND	mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND	mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND	mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND	mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND	mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-05 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG637983-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 14:48	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-05 Batch: WG637994-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Barium, TCLP	0.05	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Lead, TCLP	0.02	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/20/13 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-05 Batch: WG638032-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:15	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/20/13 15:00

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG636695-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	95		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	99		-		80-120	-		
Cadmium, Total	103		-		80-120	-		
Calcium, Total	103		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	102		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Nickel, Total	99		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	96		-		80-120	-		
Silver, Total	95		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG636695-2					
Zinc, Total	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	78	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG637983-2					
Mercury, Total	94	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 Batch: WG637994-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 Batch: WG638032-2					
Mercury, TCLP	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-4 QC Sample: L1318233-01 Client ID: MS Sample												
Aluminum, Total	ND	2	2.04	102		-	-		80-120	-		20
Antimony, Total	ND	0.5	0.4623	92		-	-		80-120	-		20
Arsenic, Total	ND	0.12	0.1150	96		-	-		80-120	-		20
Barium, Total	ND	2	1.864	93		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04618	92		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.05040	99		-	-		80-120	-		20
Calcium, Total	ND	10	9.98	100		-	-		80-120	-		20
Chromium, Total	0.00073J	0.2	0.1953	98		-	-		80-120	-		20
Cobalt, Total	ND	0.5	0.5000	100		-	-		80-120	-		20
Copper, Total	ND	0.25	0.2470	99		-	-		80-120	-		20
Iron, Total	ND	1	1.06	106		-	-		80-120	-		20
Lead, Total	ND	0.51	0.4963	97		-	-		80-120	-		20
Magnesium, Total	ND	10	10.2	102		-	-		80-120	-		20
Manganese, Total	0.0006J	0.5	0.4679	94		-	-		80-120	-		20
Nickel, Total	0.00028J	0.5	0.4879	98		-	-		80-120	-		20
Potassium, Total	ND	10	9.90	99		-	-		80-120	-		20
Selenium, Total	ND	0.12	0.113	94		-	-		80-120	-		20
Silver, Total	ND	0.05	0.04677	94		-	-		80-120	-		20
Sodium, Total	0.022J	10	10.2	102		-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1118	93		-	-		80-120	-		20
Vanadium, Total	ND	0.5	0.4777	96		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-4 QC Sample: L1318233-01 Client ID: MS Sample									
Zinc, Total	0.00225J	0.5	0.4902	98	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Aluminum, Total	1500	194	2700	**618**	Q	-	-	75-125	-	35
Antimony, Total	4.4J	48.5	52	107		-	-	75-125	-	35
Arsenic, Total	12.	11.6	23	86		-	-	75-125	-	35
Barium, Total	360	194	670	**154**	Q	-	-	75-125	-	35
Beryllium, Total	0.22J	4.85	5.1	105		-	-	75-125	-	35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-	75-125	-	35
Calcium, Total	620	971	4700	**419**	Q	-	-	75-125	-	35
Chromium, Total	14.	19.4	27	**62**	Q	-	-	75-125	-	35
Cobalt, Total	3.4	48.5	49	94		-	-	75-125	-	35
Copper, Total	130	24.3	120	**0**	Q	-	-	75-125	-	35
Iron, Total	5800	97.1	5200	**0**	Q	-	-	75-125	-	35
Lead, Total	420	49.5	280	**0**	Q	-	-	75-125	-	35
Magnesium, Total	290	971	1200	93		-	-	75-125	-	35
Manganese, Total	56.	48.5	110	107		-	-	75-125	-	35
Nickel, Total	15.	48.5	56	84		-	-	75-125	-	35
Potassium, Total	220J	971	1300	**134**	Q	-	-	75-125	-	35
Selenium, Total	6.1	11.6	16	84		-	-	75-125	-	35
Silver, Total	0.26J	29.1	28	96		-	-	75-125	-	35
Sodium, Total	120J	971	1200	124		-	-	75-125	-	35
Thallium, Total	ND	11.6	10	86		-	-	75-125	-	35
Vanadium, Total	8.1	48.5	54	94		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-4 QC Sample: L1318159-01 Client ID: FB01_091313										
Mercury, Total	ND	0.005	0.00585	117		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637994-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.37J	20	20	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.51	100		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95		-	-	75-125	-	20
Lead, TCLP	0.72	5.1	6.0	104		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG638032-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5										
Mercury, TCLP	ND	0.025	0.0253	101		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-3 QC Sample: L1318233-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00073J	0.00069J	mg/l	NC		20
Copper, Total	ND	0.00015J	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.00028J	0.00030J	mg/l	NC		20
Zinc, Total	0.00225J	0.00225J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-3 QC Sample: L1318159-01 Client ID: FB01_091313					
Mercury, Total	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637994-3 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.37J	0.38J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.72	0.71	mg/l	1	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG638032-3 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01
Client ID: FB01_091313
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/13/13 12:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/23/13 11:33	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 14:12	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/14/13 18:30	09/14/13 18:52	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-02
Client ID: G1_SB-02A_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 12:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-03
Client ID: G1_SB-02A_8-8.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.6		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04
Client ID: G1_COMP-02S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	43		mg/kg	0.88	0.88	1	-	09/23/13 11:29	107,-	JO
Solids, Total	90.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:14	1,9010C/9012A	JO
pH (H)	8.3		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 22:00	09/18/13 00:22	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05
Client ID: G1_COMP-02D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.99	0.99	1	-	09/23/13 11:29	107,-	JO
Solids, Total	80.9		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	09/18/13 12:55	09/18/13 16:14	1,9010C/9012A	JO
pH (H)	8.9		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.99	0.22	1	09/16/13 22:00	09/18/13 00:23	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG636181-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/14/13 18:30	09/14/13 18:51	1,7196A	EL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG636224-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:41	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG636181-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG636224-4 WG636224-5								
Cyanide, Total	98		101		80-120	3		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636181-4 QC Sample: L1318159-01 Client ID: FB01_091313												
Chromium, Hexavalent	ND	0.1	0.101	101		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636224-3 WG636224-2 QC Sample: L1318119-09 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.197	98		0.198	99		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636181-3 QC Sample: L1318159-01 Client ID: FB01_091313						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG636928-1 QC Sample: L1318159-02 Client ID: G1_SB-02A_2.5-3						
Solids, Total	88.5	89.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 15:00

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-01A	Plastic 500ml HNO3 preserved	A	<2	4.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1318159-01B	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1318159-01C	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	HERB-APA(7)
L1318159-01D	Amber 500ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8081(7)
L1318159-01E	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318159-01F	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-01G	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-01H	Plastic 1000ml unpreserved	A	7	4.1	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1318159-01I	Plastic 250ml NaOH preserved	A	>12	4.1	Y	Absent	TCN-9010(14)
L1318159-01J	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-02A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02D	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02E	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02F	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02G	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1318159-03A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-03B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-03C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-03D	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03E	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03F	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03G	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1318159-04A	Vial Large Septa unpreserved	A	N/A	4.1	Y	Absent	TPH-GRO(14)
L1318159-04B	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-04C	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-04X	Plastic 250ml HNO3 preserved spl	A	N/A	4.1	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318159-05A	Vial Large Septa unpreserved	A	N/A	4.1	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-05B	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-05C	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-05X	Plastic 250ml HNO3 preserved spl	A	N/A	4.1	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318159-06A	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-06B	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)

Container Comments

L1318159-03C

L1318159-04B

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	to NYCRR 375 unrestricted use SCO

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 PAST	SVOC	PCB	Herb	Hexchrom, Trichrom	VOC	Total CN	TAL Metals	VOC	Temp Blank	Sample Specific Comments	Total # Bottles
16159-1	Field Blank	9/13/13	12:00	AQ	NB	X										FB01_091313	1
1	Field Blank		12:01		NB		X										1
1	Field Blank		12:02		NB			X									1
1	Field Blank		12:03		NB				X								1
1	Field Blank		12:04		NB					X							1
1	Field Blank		12:05		NB						X						3
1	Field Blank		12:06		NB							X					1
1	Field Blank		12:07		NB								X				1
NB	~~Field Blank~~ Trip Blank		12:08		NB									X			2
	Temp Blank	✓	12:09	✓	NB										X		1

Container Type												
Preservative												

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

COOLER B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible] Tom Poole	9/13/13 2035	Tom Poole	9/13/13 2035
Tom Poole	9/13/13	BC	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C
Address: 360 W 31st St, 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229.002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139613

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (Tal. metals, Total Cn, Hex Chrom, TS, Cyanide, TCLP, RCRA 8 Metals, RCRA Char.)	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO VOC	Sample Specific Comments	Total # Bottles
18159-2	G1_SB-02A_(2.5-3)	9/13/13	12:55	Soil	NB	X	X		G1_SB-02A_2.5-3	4
3	G1_SB-02A_(8-8.5)		13:00		NB	X	X		G1_SB-02A_8.8.5	4
4	G1_COMP-02S_0-5		13:15		NB	X	X X		G1_COMP-02S_0-5	3
5	G1_COMP_02D_5-10		13:20		NB	X	X X		G1_COMP-02D_5-10	3
6	TRIP BLANK							X	TB01_091313	2

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

-ks 9/24/13

COOLER B

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
Tom Fisher		[illegible]	9/14/13 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
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Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	to NYCRR 375 unrestricted use SCO

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+ 8 PAST	SVOC	PCB	Herb	Hexchrom, Trichrom	VOC	Total CN	TAL Metals	VOC	Temp Blank	Sample Specific Comments	Total # Bottles
16159-1	Field Blank	9/13/13	12:00	AQ	NB	X											1
1	Field Blank		12:01		NB		X										1
1	Field Blank		12:02		NB			X									1
1	Field Blank		12:03		NB				X								1
1	Field Blank		12:04		NB					X							1
1	Field Blank		12:05		NB						X						3
1	Field Blank		12:06		NB							X					1
1	Field Blank		12:07		NB								X				1
NB	~~Field Blank~~ Trip Blank		12:08		NB									X			2
	Temp Blank	✓	12:09	✓	NB										X		1

Container Type												
Preservative												

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

COOLER B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible] Tom Poole	9/13/13 2035	Tom Poole	9/13/13 2035
[illegible]	9/13/13	[illegible]	9/14/14 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C
Address: 360 W 31st St, 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229.002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139613

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (Ta/mxylenes, Tetrachl. Hex Chrom., TS, Chrom. TCLP, Metals, RCRA Char.)	SVOC, RCRA, PCB, Pest, Herb, TPH DRO	TPH GRO VOC	Sample Specific Comments	Total # Bottles
18159-2	GI-SB-02A-(2.5-3)	9/13/13	12:55	Soil	NB	X	X			4
3	GI-SB-02A-(8-8.5)		13:00		NB	X	X			4
4	GI-COMP-02S-0-5		13:15		NB	X	X X	X		3
5	GI-COMP-02D-5-10		13:20		NB	X	X X	X		3
6	TRIP BLANK							X		2

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

COOLER B

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
Tom Fisher		[illegible]	9/14/13 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318161
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	10/03/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318161-01	G1_SB-10B_4-4.5	BROOKLYN, NY	09/13/13 17:45
L1318161-02	G1_SB-10B_9.5-10	BROOKLYN, NY	09/13/13 17:50
L1318161-03	G1_COMP-10S_0-5	BROOKLYN, NY	09/13/13 18:00
L1318161-04	G1_COMP-10D_5-10	BROOKLYN, NY	09/13/13 18:05
L1318161-05	TB02_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318161
Project Number: 170229002 **Report Date:** 10/03/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

Case Narrative (continued)

Report Submission

This report replaces the report issued September 25, 2013. At the client's request, the Client IDs were changed on L1318161-01 through -04.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1318161-01: The internal standard (IS) response(s) for chlorobenzene-d5 (38%) and 1,4-dichlorobenzene-d4 (12%) and the surrogate recoveries for toluene-d8 (148%) and 4-bromofluorobenzene (182%) were outside the acceptance criteria; however, re-analysis achieved similar results for chlorobenzene-d5 (25%) and 1,4-dichlorobenzene-d4 (6%) and the surrogate recoveries for toluene-d8 (190%) and 4-bromofluorobenzene (201%). The results of both analyses are reported.

Organochlorine Pesticides

L1318161-03 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318161-03 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318161-03 and -04, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 10/03/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 21:08		
Analyst:	PP		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.43	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.0	0.64	1
Bromoform	ND		ug/kg	5.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	11		ug/kg	7.0	1.1	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.34	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01 Date Collected: 09/13/13 17:45

Client ID: G1_SB-10B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.15	1
p/m-Xylene	ND		ug/kg	2.8	0.45	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.44	1
Dichlorodifluoromethane	ND		ug/kg	14	0.31	1
Acetone	8.2	J	ug/kg	14	4.4	1
Carbon disulfide	11	J	ug/kg	14	2.8	1
2-Butanone	ND		ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.67	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	7.0	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.0	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.0	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.0	0.79	1
o-Chlorotoluene	ND		ug/kg	7.0	0.22	1
p-Chlorotoluene	ND		ug/kg	7.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.59	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	10		ug/kg	1.4	0.27	1
Naphthalene	18		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	14	0.33	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.0	0.81	1
Methyl Acetate	ND		ug/kg	28	1.1	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	24.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.38	1
p-Diethylbenzene	ND		ug/kg	5.6	0.22	1
p-Ethyltoluene	ND		ug/kg	5.6	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.18	1
Ethyl ether	ND		ug/kg	7.0	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	0.63	1
Methyl cyclohexane	ND		ug/kg	5.6	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	**148**	Q	70-130
4-Bromofluorobenzene	**182**	Q	70-130
Dibromofluoromethane	108		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	R	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 15:23			
Analyst:	PP			
Percent Solids:	94%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.68	1
Bromoform	ND		ug/kg	5.9	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	1.2	J	ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	36		ug/kg	7.4	1.2	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01 R Date Collected: 09/13/13 17:45

Client ID: G1_SB-10B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.15	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	14	J	ug/kg	15	4.6	1
Carbon disulfide	36		ug/kg	15	3.0	1
2-Butanone	ND		ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.4	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.4	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.30	1
tert-Butylbenzene	ND		ug/kg	7.4	0.83	1
o-Chlorotoluene	ND		ug/kg	7.4	0.24	1
p-Chlorotoluene	ND		ug/kg	7.4	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	34		ug/kg	1.5	0.28	1
Naphthalene	50		ug/kg	7.4	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.85	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	R	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.40	1
p-Diethylbenzene	ND		ug/kg	5.9	0.24	1
p-Ethyltoluene	ND		ug/kg	5.9	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.4	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.66	1
Methyl cyclohexane	ND		ug/kg	5.9	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	**190**	Q	70-130
4-Bromofluorobenzene	**201**	Q	70-130
Dibromofluoromethane	115		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-02	Date Collected:	09/13/13 17:50
Client ID:	G1_SB-10B_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 21:36		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.92	0.13	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.10	1
Bromodichloromethane	ND		ug/kg	0.92	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.16	1
Benzene	ND		ug/kg	0.92	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.92	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.92	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-02 Date Collected: 09/13/13 17:50

Client ID: G1_SB-10B_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.14	1
Dibromomethane	ND		ug/kg	9.2	0.15	1
Styrene	ND		ug/kg	1.8	0.28	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.20	1
Acetone	6.3	J	ug/kg	9.2	2.9	1
Carbon disulfide	ND		ug/kg	9.2	1.8	1
2-Butanone	ND		ug/kg	9.2	0.33	1
Vinyl acetate	ND		ug/kg	9.2	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.21	1
2-Hexanone	ND		ug/kg	9.2	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.92	0.18	1
sec-Butylbenzene	ND		ug/kg	0.92	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.92	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.2	0.22	1
n-Propylbenzene	ND		ug/kg	0.92	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.70	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	92	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-02	Date Collected:	09/13/13 17:50
Client ID:	G1_SB-10B_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.41	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	87		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-05	Date Collected:	09/13/13 00:00
Client ID:	TB02_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:02		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-05 Date Collected: 09/13/13 00:00

Client ID: TB02_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-05	Date Collected:	09/13/13 00:00
Client ID:	TB02_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318161

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 03:00		
Analyst:	PS		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	830		ug/kg	180	46.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	73.	1
Hexachlorobenzene	ND		ug/kg	130	41.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	62.	1
2-Chloronaphthalene	ND		ug/kg	220	72.	1
1,2-Dichlorobenzene	ND		ug/kg	220	73.	1
1,3-Dichlorobenzene	ND		ug/kg	220	70.	1
1,4-Dichlorobenzene	ND		ug/kg	220	68.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	48.	1
2,6-Dinitrotoluene	ND		ug/kg	220	57.	1
Fluoranthene	3600		ug/kg	130	41.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	68.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	51.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	78.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	67.	1
Hexachlorobutadiene	ND		ug/kg	220	63.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	140	1
Hexachloroethane	ND		ug/kg	180	40.	1
Isophorone	ND		ug/kg	200	59.	1
Naphthalene	8300		ug/kg	220	74.	1
Nitrobenzene	ND		ug/kg	200	53.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	66.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	58.	1
Butyl benzyl phthalate	ND		ug/kg	220	43.	1
Di-n-butylphthalate	44	J	ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	55.	1
Diethyl phthalate	ND		ug/kg	220	47.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1
Benzo(a)anthracene	1400		ug/kg	130	44.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03 Date Collected: 09/13/13 18:00

Client ID: G1_COMP-10S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1300		ug/kg	180	54.	1
Benzo(b)fluoranthene	1600		ug/kg	130	45.	1
Benzo(k)fluoranthene	780		ug/kg	130	42.	1
Chrysene	1500		ug/kg	130	44.	1
Acenaphthylene	150	J	ug/kg	180	42.	1
Anthracene	1000		ug/kg	130	37.	1
Benzo(ghi)perylene	880		ug/kg	180	46.	1
Fluorene	720		ug/kg	220	64.	1
Phenanthrene	3500		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	250		ug/kg	130	43.	1
Indeno(1,2,3-cd)Pyrene	930		ug/kg	180	49.	1
Pyrene	2900		ug/kg	130	43.	1
Biphenyl	240	J	ug/kg	510	73.	1
4-Chloroaniline	ND		ug/kg	220	59.	1
2-Nitroaniline	ND		ug/kg	220	63.	1
3-Nitroaniline	ND		ug/kg	220	61.	1
4-Nitroaniline	ND		ug/kg	220	60.	1
Dibenzofuran	620		ug/kg	220	74.	1
2-Methylnaphthalene	1200		ug/kg	270	71.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	69.	1
Acetophenone	ND		ug/kg	220	69.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
P-Chloro-M-Cresol	ND		ug/kg	220	64.	1
2-Chlorophenol	ND		ug/kg	220	67.	1
2,4-Dichlorophenol	ND		ug/kg	200	72.	1
2,4-Dimethylphenol	ND		ug/kg	220	66.	1
2-Nitrophenol	ND		ug/kg	480	69.	1
4-Nitrophenol	ND		ug/kg	310	72.	1
2,4-Dinitrophenol	ND		ug/kg	1100	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	81.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	66.	1
2-Methylphenol	ND		ug/kg	220	72.	1
3-Methylphenol/4-Methylphenol	230	J	ug/kg	320	73.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	72.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	530		ug/kg	220	48.	1
Benzaldehyde	660		ug/kg	290	90.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	61.	1
Atrazine	ND		ug/kg	180	50.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	80		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D2	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/25/13 03:17		
Analyst:	PS		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	180000		ug/kg	6500	2000	50
Benzo(b)fluoranthene	88000		ug/kg	6500	2200	50
Phenanthrene	220000		ug/kg	6500	2100	50
Pyrene	140000		ug/kg	6500	2100	50

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 03:28		
Analyst:	PS		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	22000		ug/kg	1700	440	10
1,2,4-Trichlorobenzene	ND		ug/kg	2200	710	10
Hexachlorobenzene	ND		ug/kg	1300	400	10
Bis(2-chloroethyl)ether	ND		ug/kg	1900	600	10
2-Chloronaphthalene	ND		ug/kg	2200	700	10
1,2-Dichlorobenzene	ND		ug/kg	2200	710	10
1,3-Dichlorobenzene	ND		ug/kg	2200	680	10
1,4-Dichlorobenzene	ND		ug/kg	2200	660	10
3,3'-Dichlorobenzidine	ND		ug/kg	2200	570	10
2,4-Dinitrotoluene	ND		ug/kg	2200	460	10
2,6-Dinitrotoluene	ND		ug/kg	2200	550	10
Fluoranthene	160000	E	ug/kg	1300	400	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2200	660	10
4-Bromophenyl phenyl ether	ND		ug/kg	2200	500	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2600	760	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2300	650	10
Hexachlorobutadiene	ND		ug/kg	2200	610	10
Hexachlorocyclopentadiene	ND		ug/kg	6200	1400	10
Hexachloroethane	ND		ug/kg	1700	390	10
Isophorone	ND		ug/kg	1900	570	10
Naphthalene	35000		ug/kg	2200	720	10
Nitrobenzene	ND		ug/kg	1900	510	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1700	450	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2200	640	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2200	560	10
Butyl benzyl phthalate	ND		ug/kg	2200	420	10
Di-n-butylphthalate	ND		ug/kg	2200	420	10
Di-n-octylphthalate	ND		ug/kg	2200	530	10
Diethyl phthalate	ND		ug/kg	2200	460	10
Dimethyl phthalate	ND		ug/kg	2200	550	10
Benzo(a)anthracene	80000		ug/kg	1300	420	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04 D Date Collected: 09/13/13 18:05

Client ID: G1_COMP-10D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	82000		ug/kg	1700	530	10
Benzo(b)fluoranthene	100000	E	ug/kg	1300	440	10
Benzo(k)fluoranthene	35000		ug/kg	1300	410	10
Chrysene	75000		ug/kg	1300	420	10
Acenaphthylene	4300		ug/kg	1700	400	10
Anthracene	44000		ug/kg	1300	360	10
Benzo(ghi)perylene	57000		ug/kg	1700	450	10
Fluorene	28000		ug/kg	2200	620	10
Phenanthrene	150000	E	ug/kg	1300	420	10
Dibenzo(a,h)anthracene	20000		ug/kg	1300	420	10
Indeno(1,2,3-cd)Pyrene	66000		ug/kg	1700	480	10
Pyrene	130000	E	ug/kg	1300	420	10
Biphenyl	4000	J	ug/kg	4900	710	10
4-Chloroaniline	ND		ug/kg	2200	570	10
2-Nitroaniline	ND		ug/kg	2200	610	10
3-Nitroaniline	ND		ug/kg	2200	590	10
4-Nitroaniline	ND		ug/kg	2200	580	10
Dibenzofuran	25000		ug/kg	2200	720	10
2-Methylnaphthalene	11000		ug/kg	2600	690	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2200	670	10
Acetophenone	ND		ug/kg	2200	670	10
2,4,6-Trichlorophenol	ND		ug/kg	1300	410	10
P-Chloro-M-Cresol	ND		ug/kg	2200	620	10
2-Chlorophenol	ND		ug/kg	2200	650	10
2,4-Dichlorophenol	ND		ug/kg	1900	700	10
2,4-Dimethylphenol	ND		ug/kg	2200	640	10
2-Nitrophenol	ND		ug/kg	4600	670	10
4-Nitrophenol	ND		ug/kg	3000	700	10
2,4-Dinitrophenol	ND		ug/kg	10000	2900	10
4,6-Dinitro-o-cresol	ND		ug/kg	5600	790	10
Pentachlorophenol	ND		ug/kg	1700	460	10
Phenol	ND		ug/kg	2200	640	10
2-Methylphenol	ND		ug/kg	2200	690	10
3-Methylphenol/4-Methylphenol	870	J	ug/kg	3100	710	10
2,4,5-Trichlorophenol	ND		ug/kg	2200	700	10
Benzoic Acid	ND		ug/kg	7000	2200	10
Benzyl Alcohol	ND		ug/kg	2200	660	10
Carbazole	28000		ug/kg	2200	460	10
Benzaldehyde	ND		ug/kg	2800	870	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04 D
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	2200	590	10
Atrazine	ND		ug/kg	1700	490	10
2,3,4,6-Tetrachlorophenol	ND		ug/kg	2200	370	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	**159**	Q	23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	117		0-136
4-Terphenyl-d14	60		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	66.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Acenaphthene	97		100		31-137	3		50
Benzidine	48		49			2		50
n-Nitrosodimethylamine	89		91			2		50
1,2,4-Trichlorobenzene	93		96		38-107	3		50
Hexachlorobenzene	98		100		40-140	2		50
Bis(2-chloroethyl)ether	88		90		40-140	2		50
2-Chloronaphthalene	94		97		40-140	3		50
1,2-Dichlorobenzene	92		94		40-140	2		50
1,3-Dichlorobenzene	91		94		40-140	3		50
1,4-Dichlorobenzene	91		93		28-104	2		50
3,3'-Dichlorobenzidine	82		84		40-140	2		50
2,4-Dinitrotoluene	**101**	Q	**105**	Q	28-89	4		50
2,6-Dinitrotoluene	99		104		40-140	5		50
Fluoranthene	104		108		40-140	4		50
4-Chlorophenyl phenyl ether	98		101		40-140	3		50
4-Bromophenyl phenyl ether	100		104		40-140	4		50
Azobenzene	96		98		40-140	2		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	91		92		40-117	1		50
Hexachlorobutadiene	94		100		40-140	6		50
Hexachlorocyclopentadiene	107		112		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Hexachloroethane	91		94		40-140	3		50
Isophorone	92		95		40-140	3		50
Naphthalene	94		98		40-140	4		50
Nitrobenzene	109		114		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		106			3		50
n-Nitrosodi-n-propylamine	93		96		32-121	3		50
Bis(2-Ethylhexyl)phthalate	110		**170**	Q	40-140	43		50
Butyl benzyl phthalate	110		113		40-140	3		50
Di-n-butylphthalate	114		118		40-140	3		50
Di-n-octylphthalate	115		120		40-140	4		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	99		104		40-140	5		50
Benzo(a)anthracene	99		106		40-140	7		50
Benzo(a)pyrene	108		114		40-140	5		50
Benzo(b)fluoranthene	107		110		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	99		100		40-140	1		50
Acenaphthylene	100		103		40-140	3		50
Anthracene	107		111		40-140	4		50
Benzo(ghi)perylene	101		108		40-140	7		50
Fluorene	98		103		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Phenanthrene	99		103		40-140	4		50
Dibenzo(a,h)anthracene	111		114		40-140	3		50
Indeno(1,2,3-cd)Pyrene	102		110		40-140	8		50
Pyrene	101		103		35-142	2		50
Biphenyl	105		108			3		50
Aniline	81		84		40-140	4		50
4-Chloroaniline	72		70		40-140	3		50
2-Nitroaniline	103		106		47-134	3		50
3-Nitroaniline	63		63		26-129	0		50
4-Nitroaniline	97		101		41-125	4		50
Dibenzofuran	97		101		40-140	4		50
2-Methylnaphthalene	92		94		40-140	2		50
1,2,4,5-Tetrachlorobenzene	103		107		40-117	4		50
Acetophenone	100		105		14-144	5		50
2,4,6-Trichlorophenol	114		119		30-130	4		50
P-Chloro-M-Cresol	**109**	Q	**112**	Q	26-103	3		50
2-Chlorophenol	100		**104**	Q	25-102	4		50
2,4-Dichlorophenol	109		114		30-130	4		50
2,4-Dimethylphenol	101		106		30-130	5		50
2-Nitrophenol	102		107		30-130	5		50
4-Nitrophenol	**119**	Q	**123**	Q	11-114	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
2,4-Dinitrophenol	114		125		4-130	9		50
4,6-Dinitro-o-cresol	106		115		10-130	8		50
Pentachlorophenol	102		107		17-109	5		50
Phenol	**100**	Q	**102**	Q	26-90	2		50
2-Methylphenol	103		106		30-130.	3		50
3-Methylphenol/4-Methylphenol	110		113		30-130	3		50
2,4,5-Trichlorophenol	109		114		30-130	4		50
Benzoic Acid	86		94			9		50
Benzyl Alcohol	94		101		40-140	7		50
Carbazole	101		103		54-128	2		50
Benzaldehyde	94		94			0		50
Caprolactam	109		114			4		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	113		114			1		50
Pyridine	78		78		10-93	0		50
Parathion, ethyl	129		134		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	104		107		25-120
Phenol-d6	99		102		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		101		30-120
2,4,6-Tribromophenol	104		108		0-136
4-Terphenyl-d14	90		93		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/19/13 13:11		
Analyst:	AR		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	414000		ug/kg	43800	4280	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 20:57		
Analyst:	JV		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	30000		ug/kg	3400	66.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 17:56		
Analyst:	GT		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	700	J	ug/kg	3300	63.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	88		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/19/13 02:34		
Analyst:	AR		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	2430000		ug/kg	428000	41900	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03-04 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-04 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: MS Sample												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: DUP Sample					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:55	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	73%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.9	8.88	1	A
Aroclor 1221	ND		ug/kg	44.9	13.6	1	A
Aroclor 1232	ND		ug/kg	44.9	9.55	1	A
Aroclor 1242	ND		ug/kg	44.9	8.53	1	A
Aroclor 1248	ND		ug/kg	44.9	5.44	1	A
Aroclor 1254	ND		ug/kg	44.9	7.08	1	A
Aroclor 1260	ND		ug/kg	44.9	7.80	1	A
Aroclor 1262	ND		ug/kg	44.9	3.32	1	A
Aroclor 1268	ND		ug/kg	44.9	6.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:08	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	77%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	8.10	1	A
Aroclor 1221	ND		ug/kg	41.0	12.4	1	A
Aroclor 1232	ND		ug/kg	41.0	8.71	1	A
Aroclor 1242	ND		ug/kg	41.0	7.79	1	A
Aroclor 1248	ND		ug/kg	41.0	4.96	1	A
Aroclor 1254	ND		ug/kg	41.0	6.47	1	A
Aroclor 1260	ND		ug/kg	41.0	7.12	1	A
Aroclor 1262	ND		ug/kg	41.0	3.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318161

Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 11:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	226	27.5	1	A
2,4,5-T	ND		ug/kg	226	14.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	226	12.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03 D	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:50	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	20.9	4.10	10	A
Lindane	ND		ug/kg	8.72	3.90	10	A
Alpha-BHC	ND		ug/kg	8.72	2.48	10	A
Beta-BHC	ND		ug/kg	20.9	7.94	10	A
Heptachlor	ND		ug/kg	10.5	4.69	10	A
Aldrin	ND		ug/kg	20.9	7.37	10	A
Heptachlor epoxide	ND		ug/kg	39.3	11.8	10	A
Endrin	ND		ug/kg	8.72	3.58	10	A
Endrin ketone	ND		ug/kg	20.9	5.39	10	A
Dieldrin	ND		ug/kg	13.1	6.54	10	A
4,4'-DDE	ND		ug/kg	20.9	4.84	10	A
4,4'-DDD	ND		ug/kg	20.9	7.47	10	A
4,4'-DDT	21.1	J	ug/kg	39.3	16.8	10	A
Endosulfan I	ND		ug/kg	20.9	4.95	10	A
Endosulfan II	ND		ug/kg	20.9	7.00	10	A
Endosulfan sulfate	ND		ug/kg	8.72	3.99	10	A
Methoxychlor	ND		ug/kg	39.3	12.2	10	A
Toxaphene	ND		ug/kg	393	110.	10	A
cis-Chlordane	ND		ug/kg	26.2	7.29	10	A
trans-Chlordane	ND		ug/kg	26.2	6.91	10	A
Chlordane	ND		ug/kg	170	69.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	141		30-150	A
Decachlorobiphenyl	**180**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 12:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	212	25.8	1	A
2,4,5-T	ND		ug/kg	212	13.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	212	11.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 11:03	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.8	3.88	10	A
Lindane	ND		ug/kg	8.25	3.69	10	A
Alpha-BHC	ND		ug/kg	8.25	2.34	10	A
Beta-BHC	ND		ug/kg	19.8	7.50	10	A
Heptachlor	ND		ug/kg	9.90	4.44	10	A
Aldrin	ND		ug/kg	19.8	6.97	10	A
Heptachlor epoxide	ND		ug/kg	37.1	11.1	10	A
Endrin	ND		ug/kg	8.25	3.38	10	A
Endrin ketone	ND		ug/kg	19.8	5.10	10	A
Dieldrin	ND		ug/kg	12.4	6.18	10	A
4,4'-DDE	ND		ug/kg	19.8	4.58	10	A
4,4'-DDD	ND		ug/kg	19.8	7.06	10	A
4,4'-DDT	ND		ug/kg	37.1	15.9	10	A
Endosulfan I	ND		ug/kg	19.8	4.68	10	A
Endosulfan II	ND		ug/kg	19.8	6.61	10	A
Endosulfan sulfate	ND		ug/kg	8.25	3.77	10	A
Methoxychlor	ND		ug/kg	37.1	11.5	10	A
Toxaphene	ND		ug/kg	371	104.	10	A
cis-Chlordane	ND		ug/kg	24.7	6.89	10	A
trans-Chlordane	ND		ug/kg	24.7	6.53	10	A
Chlordane	ND		ug/kg	161	65.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		30-150	A
Decachlorobiphenyl	**307**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 09:34
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/18/13 19:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04 Batch: WG637232-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.293	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637232-2 WG637232-3									
Delta-BHC	76		82		30-150	8		30	A
Lindane	68		81		30-150	17		30	A
Alpha-BHC	74		77		30-150	4		30	A
Beta-BHC	78		82		30-150	5		30	A
Heptachlor	79		83		30-150	5		30	A
Aldrin	78		82		30-150	5		30	A
Heptachlor epoxide	69		73		30-150	6		30	A
Endrin	80		85		30-150	6		30	A
Endrin ketone	69		72		30-150	4		30	A
Dieldrin	72		77		30-150	7		30	A
4,4'-DDE	70		74		30-150	6		30	A
4,4'-DDD	72		77		30-150	7		30	A
4,4'-DDT	72		75		30-150	4		30	A
Endosulfan I	72		76		30-150	5		30	A
Endosulfan II	64		67		30-150	5		30	A
Endosulfan sulfate	67		70		30-150	4		30	A
Methoxychlor	70		74		30-150	6		30	A
cis-Chlordane	71		77		30-150	8		30	A
trans-Chlordane	72		76		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637232-2 WG637232-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	102		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		76		30-150	B
Decachlorobiphenyl	117		137		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Barium, TCLP	0.25	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Lead, TCLP	0.24	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:25	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03
Client ID: G1_COMP-10S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 73%

Date Collected: 09/13/13 18:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	11	2.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.3	0.85	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Arsenic, Total	16		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Barium, Total	150		mg/kg	1.1	0.32	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Beryllium, Total	0.52	J	mg/kg	0.53	0.11	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Cadmium, Total	0.69	J	mg/kg	1.1	0.08	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Calcium, Total	14000		mg/kg	11	3.2	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Chromium, Total	26		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	2.1	0.53	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Copper, Total	66		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	5.3	2.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Lead, Total	210		mg/kg	5.3	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Magnesium, Total	2700		mg/kg	11	1.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Manganese, Total	140		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Mercury, Total	0.47		mg/kg	0.11	0.02	1	09/21/13 12:30	09/23/13 10:22	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.7	0.43	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Potassium, Total	930		mg/kg	270	43.	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Selenium, Total	1.7	J	mg/kg	2.1	0.32	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Sodium, Total	420		mg/kg	210	32.	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.1	0.43	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Vanadium, Total	46		mg/kg	1.1	0.11	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Zinc, Total	110		mg/kg	5.3	0.75	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Barium, TCLP	0.13	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Lead, TCLP	0.22	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:27	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318161
Project Number: 170229002
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 77%

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	12000		mg/kg	9.9	2.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.0	0.79	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Barium, Total	180		mg/kg	0.99	0.30	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Beryllium, Total	1.0		mg/kg	0.50	0.10	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.99	0.07	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Calcium, Total	14000		mg/kg	9.9	3.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Chromium, Total	29		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Cobalt, Total	20		mg/kg	2.0	0.50	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Copper, Total	180		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	5.0	2.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Lead, Total	370		mg/kg	5.0	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Magnesium, Total	3000		mg/kg	9.9	0.99	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Manganese, Total	800		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Mercury, Total	0.91		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:24	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	2.5	0.40	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Potassium, Total	1700		mg/kg	250	40.	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Selenium, Total	0.80	J	mg/kg	2.0	0.30	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Sodium, Total	460		mg/kg	200	30.	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.40	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Vanadium, Total	26		mg/kg	0.99	0.10	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Zinc, Total	240		mg/kg	5.0	0.69	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04 Batch: WG637994-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Barium, TCLP	0.05	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Lead, TCLP	0.02	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/20/13 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04 Batch: WG638032-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:15	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/20/13 15:00

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 Batch: WG637994-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 Batch: WG638032-2					
Mercury, TCLP	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637994-4 QC Sample: L1318159-04 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.37J	20	20	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.51	100		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95		-	-	75-125	-	20
Lead, TCLP	0.72	5.1	6.0	104		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG638032-4 QC Sample: L1318159-04 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0253	101		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637994-3 QC Sample: L1318159-04 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.37J	0.38J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.72	0.71	mg/l	1	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG638032-3 QC Sample: L1318159-04 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01
Client ID: G1_SB-10B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-02
Client ID: G1_SB-10B_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:50
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03
Client ID: G1_COMP-10S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 18:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	26		mg/kg	1.1	1.1	1	-	09/23/13 11:29	107,-	JO
Solids, Total	73.0		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.31	1	09/18/13 12:55	09/18/13 16:15	1,9010C/9012A	JO
pH (H)	7.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.25	1	09/16/13 22:00	09/18/13 00:24	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	29		mg/kg	1.0	1.0	1	-	09/23/13 11:29	107,-	JO
Solids, Total	76.6		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.30	1	09/18/13 12:55	09/18/13 16:16	1,9010C/9012A	JO
pH (H)	7.5		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 22:00	09/18/13 00:24	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG636928-1 QC Sample: L1318159-02 Client ID: DUP Sample						
Solids, Total	88.5	89.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:31

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-01A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01D	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01E	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01F	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01G	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1318161-02A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02D	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02E	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02F	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02G	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1318161-03A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TPH-GRO(14)
L1318161-03B	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-03C	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318161-03X	Plastic 250ml HNO3 preserved spl	A	N/A	4.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318161-04A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TPH-GRO(14)
L1318161-04B	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-04C	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318161-04X	Plastic 250ml HNO3 preserved spl	A	N/A	4.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318161-05A	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1318161-05B	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318161
Project Number: 170229002 **Report Date:** 10/03/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318161

Client Information

Client: Langan, DPC

Address: 360 W 31st St 8th fl New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKAO@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygordetsky

ALPHA Quote #: 20139653

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/25/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYS DEC	6NYCRR375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total Cyanide, TCLP, SCIA, RCRA Chem	TS	SVOC, PCB, Pest, HPAH	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
1	G-2-SB-10B-(4-4.5)	9/13/13	17:45	Soil	MB	X	X					G2_SB-10B_4-4.5	4
2	G-2-SB-10B-(9.5-10)	9/13/13	17:50			X	X					G2_SB-10B_9.5-10	4
3	G-2-COMP-10S-0-5		1800				X	X	X				3
4	G-2-COMP-10D-5-10		1805				X	X	X				3
5	Field Blank									X		TB02_091313	2

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do

(Please specify below)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	Sin Pater	9/13/13 1815
Sin Pater	9/13/13 2035	Tom Tobin	9/13/13 2035
Tom Tobin	9/13/13	RG	9/14/13 0020

COOLER E

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318161

Client Information

Client: Langan, DPC
Address: 360 W 31st St 8th fl
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygordetsky
ALPHA Quote #: 20139653

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/25/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYS DEC ~~[illegible]~~	6NYCRR375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Chromium, Hexavalent, TCLP, SPLP, RCRA Char	TS	SVOC, PCB, Pest, Herb, TPH, BTEX	TPH GRO	VOC	Sample Specific Comments	TOTAL # BOTTLES
18161-1	G-2-SB-10B-(4-4.5)	9/13/13	17:45	Soil	WB	X		X					4
2	G-2-SB-10B-(9.5-10)	9/13/13	17:50	↓		X		X					4
3	G-2-COMP-10S-0-5		1800				X		X X				3
4	G-2-COMP-10D-5-10		1805				X		X X				3
5	Field Blank									X			2

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type													
Preservative													

COOLER E

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible] 9/13/13	1815
[illegible]	9/13/13 2035	Tom Tobin	9/13/13 2035
Tom Tobin	9/13/13	[illegible]	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318162
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318162-01	G1_COMP-09S_0-5	BROOKLYN, NY	09/13/13 16:10
L1318162-02	G1_COMP-09D_5-10	BROOKLYN, NY	09/13/13 16:20
L1318162-03	G1_SB-09A_9.5-10	BROOKLYN, NY	09/13/13 16:00
L1318162-04	G1_SB-09A_3.5-4	BROOKLYN, NY	09/13/13 15:55
L1318162-05	TB04_091313	BROOKLYN, NY	09/13/13 00:00
L1318162-06	G2_SB-06B_4.5-5	BROOKLYN, NY	09/13/13 17:00
L1318162-07	G2_SB-06C_9.5-10	BROOKLYN, NY	09/13/13 17:15
L1318162-08	G2_COMP-06S_0-5	BROOKLYN, NY	09/13/13 17:30
L1318162-09	G2_COMP-06D_5-10	BROOKLYN, NY	09/13/13 17:35

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The sample IDs were confirmed by the client.

Volatile Organics

The surrogate recovery for L1318162-07 is below the acceptance criteria for dibromofluoromethane (26%), due to a known matrix effect caused by the high pH of the sample (>10).

Pesticides

L1318162-01, -02, -08, and -09 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318162-01, -02, -08, and -09 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-03	Date Collected:	09/13/13 16:00
Client ID:	G1_SB-09A_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 12:27		
Analyst:	PP		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.1	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.27	1
Chloroform	ND		ug/kg	2.3	0.57	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.4	0.35	1
Dibromochloromethane	ND		ug/kg	1.5	0.47	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.47	1
Tetrachloroethene	ND		ug/kg	1.5	0.22	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.7	0.19	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.20	1
1,1-Dichloropropene	ND		ug/kg	7.7	0.70	1
Bromoform	ND		ug/kg	6.1	0.64	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.26	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.3	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.23	1
Chloromethane	ND		ug/kg	7.7	1.2	1
Bromomethane	ND		ug/kg	3.1	0.52	1
Vinyl chloride	ND		ug/kg	3.1	0.22	1
Chloroethane	ND		ug/kg	3.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.32	1
Trichloroethene	0.40	J	ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.7	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.7	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	7.7	0.37	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-03 Date Collected: 09/13/13 16:00

Client ID: G1_SB-09A_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.1	0.16	1
p/m-Xylene	ND		ug/kg	3.1	0.50	1
o-Xylene	ND		ug/kg	3.1	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.23	1
Dibromomethane	ND		ug/kg	15	0.25	1
Styrene	ND		ug/kg	3.1	0.48	1
Dichlorodifluoromethane	ND		ug/kg	15	0.34	1
Acetone	ND		ug/kg	15	4.8	1
Carbon disulfide	ND		ug/kg	15	3.1	1
2-Butanone	ND		ug/kg	15	0.54	1
Vinyl acetate	ND		ug/kg	15	0.74	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.34	1
2-Hexanone	ND		ug/kg	15	0.29	1
Bromochloromethane	ND		ug/kg	7.7	0.30	1
2,2-Dichloropropane	ND		ug/kg	7.7	0.35	1
1,2-Dibromoethane	ND		ug/kg	6.1	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.7	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.49	1
Bromobenzene	ND		ug/kg	7.7	0.32	1
n-Butylbenzene	ND		ug/kg	1.5	0.30	1
sec-Butylbenzene	ND		ug/kg	1.5	0.32	1
tert-Butylbenzene	ND		ug/kg	7.7	0.86	1
o-Chlorotoluene	ND		ug/kg	7.7	0.24	1
p-Chlorotoluene	ND		ug/kg	7.7	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.7	0.65	1
Isopropylbenzene	ND		ug/kg	1.5	0.26	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.29	1
Naphthalene	1.3	J	ug/kg	7.7	1.2	1
Acrylonitrile	ND		ug/kg	15	0.36	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.7	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.7	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.7	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.7	0.88	1
Methyl Acetate	ND		ug/kg	31	1.2	1
Cyclohexane	ND		ug/kg	31	1.6	1
1,4-Dioxane	ND		ug/kg	150	27.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-03	Date Collected:	09/13/13 16:00
Client ID:	G1_SB-09A_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	31	0.42	1
p-Diethylbenzene	ND		ug/kg	6.1	0.24	1
p-Ethyltoluene	ND		ug/kg	6.1	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.1	0.20	1
Ethyl ether	ND		ug/kg	7.7	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	0.69	1
Methyl cyclohexane	ND		ug/kg	6.1	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-04	Date Collected:	09/13/13 15:55
Client ID:	G1_SB-09A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 12:54		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.58	1
Bromoform	ND		ug/kg	5.1	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	0.28	J	ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.3	0.99	1
Bromomethane	ND		ug/kg	2.5	0.43	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	24		ug/kg	1.3	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.31	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-04 Date Collected: 09/13/13 15:55

Client ID: G1_SB-09A_3.5-4 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.41	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	ND		ug/kg	13	3.9	1
Carbon disulfide	ND		ug/kg	13	2.5	1
2-Butanone	ND		ug/kg	13	0.45	1
Vinyl acetate	ND		ug/kg	13	0.61	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.28	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.3	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.3	0.71	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.53	1
Isopropylbenzene	ND		ug/kg	1.3	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.24	1
Naphthalene	ND		ug/kg	6.3	0.97	1
Acrylonitrile	ND		ug/kg	13	0.30	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.72	1
Methyl Acetate	ND		ug/kg	25	0.96	1
Cyclohexane	ND		ug/kg	25	1.4	1
1,4-Dioxane	ND		ug/kg	130	22.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-04	Date Collected:	09/13/13 15:55
Client ID:	G1_SB-09A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	25	0.34	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.57	1
Methyl cyclohexane	ND		ug/kg	5.1	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-05	Date Collected:	09/13/13 00:00
Client ID:	TB04_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 14:29		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-05 Date Collected: 09/13/13 00:00

Client ID: TB04_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-05	Date Collected:	09/13/13 00:00
Client ID:	TB04_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	110		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-06	Date Collected:	09/13/13 17:00
Client ID:	G2_SB-06B_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 15:42		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.49	1
Bromoform	ND		ug/kg	4.3	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.32	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.84	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-06 Date Collected: 09/13/13 17:00

Client ID: G2_SB-06B_4.5-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.35	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	8.8	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	1.8	J	ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.60	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.85	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	ND		ug/kg	5.4	0.82	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.85	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.61	1
Methyl Acetate	ND		ug/kg	21	0.82	1
Cyclohexane	ND		ug/kg	21	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-06	Date Collected:	09/13/13 17:00
Client ID:	G2_SB-06B_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.48	1
Methyl cyclohexane	ND		ug/kg	4.3	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-07	Date Collected:	09/13/13 17:15
Client ID:	G2_SB-06C_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 15:14		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.47	1
Bromoform	ND		ug/kg	4.1	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.31	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-07 Date Collected: 09/13/13 17:15

Client ID: G2_SB-06C_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	4.3	J	ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.1	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.81	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.1	0.79	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.81	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.59	1
Methyl Acetate	ND		ug/kg	20	0.78	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-07	Date Collected:	09/13/13 17:15
Client ID:	G2_SB-06C_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.46	1
Methyl cyclohexane	ND		ug/kg	4.1	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	**26**	Q	70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
Methylene chloride	2.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
Freon-113	85		79		50-139	7		30
p-Diethylbenzene	102		97		70-130	5		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	109		104		70-130	5		20
Chloroform	113		109		70-130	4		20
2-Chloroethylvinyl ether	84		85		70-130	1		20
Carbon tetrachloride	122		115		63-132	6		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	108		107		63-130	1		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	127		119		62-150	7		20
1,2-Dichloroethane	123		119		70-130	3		20
1,1,1-Trichloroethane	122		114		67-130	7		20
Bromodichloromethane	113		112		67-130	1		20
trans-1,3-Dichloropropene	103		104		70-130	1		20
cis-1,3-Dichloropropene	107		105		70-130	2		20
1,1-Dichloropropene	111		104		70-130	7		20
Bromoform	105		111		54-136	6		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	104		99		70-130	5		20
Toluene	94		90		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Ethylbenzene	100		96		70-130	4		20
Chloromethane	**60**	Q	69		64-130	14		20
Bromomethane	61		68		39-139	11		20
Vinyl chloride	94		88		55-140	7		20
Chloroethane	119		113		55-138	5		20
1,1-Dichloroethene	114		105		61-145	8		20
trans-1,2-Dichloroethene	110		104		70-130	6		20
Trichloroethene	109		103		70-130	6		20
1,2-Dichlorobenzene	92		98		70-130	6		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	119		118		63-130	1		20
p/m-Xylene	100		98		70-130	2		20
o-Xylene	101		99		70-130	2		20
cis-1,2-Dichloroethene	107		102		70-130	5		20
Dibromomethane	109		111		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	98		102		70-130	4		20
Isopropyl Ether	108		103		70-130	5		20
tert-Butyl Alcohol	**138**	Q	**156**	Q	70-130	12		20
Styrene	101		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Dichlorodifluoromethane	88		83		36-147	6		20
Acetone	134		**158**	Q	58-148	16		20
Carbon disulfide	104		97		51-130	7		20
2-Butanone	116		115		63-138	1		20
Vinyl acetate	111		112		70-130	1		20
4-Methyl-2-pentanone	109		106		59-130	3		20
2-Hexanone	104		113		57-130	8		20
Bromochloromethane	120		117		70-130	3		20
2,2-Dichloropropane	133		120		63-133	10		20
1,2-Dibromoethane	103		104		70-130	1		20
1,3-Dichloropropane	99		98		70-130	1		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	91		90		53-136	1		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		97		70-130	1		20
p-Chlorotoluene	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20
Hexachlorobutadiene	102		105		63-130	3		20
Isopropylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
p-Isopropyltoluene	96		96		70-130	0		20
Naphthalene	92		97		70-130	5		20
n-Propylbenzene	92		92		69-130	0		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
Methyl Acetate	112		116		70-130	4		20
Ethyl Acetate	114		114		70-130	0		20
Cyclohexane	106		96		70-130	10		20
Ethyl-Tert-Butyl-Ether	114		113		70-130	1		20
Tertiary-Amyl Methyl Ether	112		111		66-130	1		20
1,4-Dioxane	121		138		56-162	13		20
Freon-113	118		107		70-130	10		20
p-Diethylbenzene	94		94		70-130	0		20
p-Ethyltoluene	94		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		20
Ethyl ether	114		112		59-134	2		20
trans-1,4-Dichloro-2-butene	89		100		70-130	12		20
Methyl cyclohexane	109		100		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	91		84		70-130	8		30
1,2-Dichloropropane	92		87		70-130	6		30
Dibromochloromethane	89		84		70-130	6		30
1,1,2-Trichloroethane	92		86		70-130	7		30
Tetrachloroethene	91		84		70-130	8		30
Chlorobenzene	91		85		70-130	7		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	94		89		70-130	5		30
1,1,1-Trichloroethane	92		86		70-130	7		30
Bromodichloromethane	92		85		70-130	8		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	89		84		70-130	6		30
1,1-Dichloropropene	92		84		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	92		85		70-130	8		30
Toluene	91		83		70-130	9		30
Ethylbenzene	92		84		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
Chloromethane	89		80		52-130	11		30
Bromomethane	99		88		57-147	12		30
Vinyl chloride	91		82		67-130	10		30
Chloroethane	116		102		50-151	13		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	92		84		70-130	9		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	90		86		70-130	5		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	93		87		70-130	7		30
cis-1,2-Dichloroethene	93		86		70-130	8		30
Dibromomethane	92		88		70-130	4		30
Styrene	95		88		70-130	8		30
Dichlorodifluoromethane	77		70		30-146	10		30
Acetone	133		114		54-140	15		30
Carbon disulfide	91		83		59-130	9		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	85		80		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
4-Methyl-2-pentanone	90		88		70-130	2		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	95		91		70-130	4		30
2,2-Dichloropropane	94		86		70-130	9		30
1,2-Dibromoethane	90		85		70-130	6		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	89		85		70-130	5		30
tert-Butylbenzene	89		86		70-130	3		30
o-Chlorotoluene	73		86		70-130	16		30
p-Chlorotoluene	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	80		85		68-130	6		30
Hexachlorobutadiene	87		81		67-130	7		30
Isopropylbenzene	91		86		70-130	6		30
p-Isopropyltoluene	91		86		70-130	6		30
Naphthalene	92		88		70-130	4		30
Acrylonitrile	94		88		70-130	7		30
Isopropyl Ether	95		90		66-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	90		86		70-130	5		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	94		90		70-130	4		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	91		88		70-130	3		30
Methyl Acetate	90		89		51-146	1		30
Ethyl Acetate	93		89		70-130	4		30
Acrolein	89		82		70-130	8		30
Cyclohexane	86		78		59-142	10		30
1,4-Dioxane	88		85		65-136	3		30
Freon-113	82		74		50-139	10		30
p-Diethylbenzene	91		87		70-130	4		30
p-Ethyltoluene	91		87		70-130	4		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	92		88		67-130	4		30
trans-1,4-Dichloro-2-butene	89		85		70-130	5		30
Methyl cyclohexane	80		74		70-130	8		30
Ethyl-Tert-Butyl-Ether	93		89		70-130	4		30
Tertiary-Amyl Methyl Ether	93		88		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 19:16		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	93.	2
Fluoranthene	11000		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	1500		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	71.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	6300		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01 D Date Collected: 09/13/13 16:10

Client ID: G1_COMP-09S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	6800		ug/kg	290	88.	2
Benzo(b)fluoranthene	7400		ug/kg	220	73.	2
Benzo(k)fluoranthene	3200		ug/kg	220	69.	2
Chrysene	6300		ug/kg	220	71.	2
Acenaphthylene	460		ug/kg	290	68.	2
Anthracene	3800		ug/kg	220	60.	2
Benzo(ghi)perylene	4300		ug/kg	290	75.	2
Fluorene	1600		ug/kg	360	100	2
Phenanthrene	9000		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	1300		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	4200		ug/kg	290	80.	2
Pyrene	10000		ug/kg	220	70.	2
Biphenyl	200	J	ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	96.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	860		ug/kg	360	120	2
2-Methylnaphthalene	700		ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	510	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	500	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	1300		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01 D Date Collected: 09/13/13 16:10

Client ID: G1_COMP-09S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	75		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D2	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/20/13 14:28		
Analyst:	JB		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	25000		ug/kg	550	170	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 19:44		
Analyst:	JB		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2500		ug/kg	370	94.	2
1,2,4-Trichlorobenzene	ND		ug/kg	460	150	2
Hexachlorobenzene	ND		ug/kg	280	85.	2
Bis(2-chloroethyl)ether	ND		ug/kg	410	130	2
2-Chloronaphthalene	ND		ug/kg	460	150	2
1,2-Dichlorobenzene	ND		ug/kg	460	150	2
1,3-Dichlorobenzene	ND		ug/kg	460	140	2
1,4-Dichlorobenzene	ND		ug/kg	460	140	2
3,3'-Dichlorobenzidine	ND		ug/kg	460	120	2
2,4-Dinitrotoluene	ND		ug/kg	460	99.	2
2,6-Dinitrotoluene	ND		ug/kg	460	120	2
Fluoranthene	21000	E	ug/kg	280	84.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	460	140	2
4-Bromophenyl phenyl ether	ND		ug/kg	460	100	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	550	160	2
Bis(2-chloroethoxy)methane	ND		ug/kg	500	140	2
Hexachlorobutadiene	ND		ug/kg	460	130	2
Hexachlorocyclopentadiene	ND		ug/kg	1300	290	2
Hexachloroethane	ND		ug/kg	370	83.	2
Isophorone	ND		ug/kg	410	120	2
Naphthalene	2800		ug/kg	460	150	2
Nitrobenzene	ND		ug/kg	410	110	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	370	96.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	460	140	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	460	120	2
Butyl benzyl phthalate	ND		ug/kg	460	90.	2
Di-n-butylphthalate	ND		ug/kg	460	88.	2
Di-n-octylphthalate	ND		ug/kg	460	110	2
Diethyl phthalate	ND		ug/kg	460	97.	2
Dimethyl phthalate	ND		ug/kg	460	120	2
Benzo(a)anthracene	9800		ug/kg	280	90.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02 D Date Collected: 09/13/13 16:20

Client ID: G1_COMP-09D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	10000		ug/kg	370	110	2
Benzo(b)fluoranthene	12000		ug/kg	280	92.	2
Benzo(k)fluoranthene	4000		ug/kg	280	87.	2
Chrysene	10000		ug/kg	280	90.	2
Acenaphthylene	1800		ug/kg	370	86.	2
Anthracene	5800		ug/kg	280	76.	2
Benzo(ghi)perylene	6300		ug/kg	370	95.	2
Fluorene	2700		ug/kg	460	130	2
Phenanthrene	17000		ug/kg	280	90.	2
Dibenzo(a,h)anthracene	1500		ug/kg	280	89.	2
Indeno(1,2,3-cd)Pyrene	6900		ug/kg	370	100	2
Pyrene	18000		ug/kg	280	89.	2
Biphenyl	410	J	ug/kg	1000	150	2
4-Chloroaniline	ND		ug/kg	460	120	2
2-Nitroaniline	ND		ug/kg	460	130	2
3-Nitroaniline	ND		ug/kg	460	130	2
4-Nitroaniline	ND		ug/kg	460	120	2
Dibenzofuran	2100		ug/kg	460	150	2
2-Methylnaphthalene	1100		ug/kg	550	150	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	460	140	2
Acetophenone	ND		ug/kg	460	140	2
2,4,6-Trichlorophenol	ND		ug/kg	280	86.	2
P-Chloro-M-Cresol	ND		ug/kg	460	130	2
2-Chlorophenol	ND		ug/kg	460	140	2
2,4-Dichlorophenol	ND		ug/kg	410	150	2
2,4-Dimethylphenol	ND		ug/kg	460	140	2
2-Nitrophenol	ND		ug/kg	990	140	2
4-Nitrophenol	ND		ug/kg	640	150	2
2,4-Dinitrophenol	ND		ug/kg	2200	630	2
4,6-Dinitro-o-cresol	ND		ug/kg	1200	170	2
Pentachlorophenol	ND		ug/kg	370	98.	2
Phenol	170	J	ug/kg	460	140	2
2-Methylphenol	ND		ug/kg	460	150	2
3-Methylphenol/4-Methylphenol	290	J	ug/kg	660	150	2
2,4,5-Trichlorophenol	ND		ug/kg	460	150	2
Benzoic Acid	ND		ug/kg	1500	460	2
Benzyl Alcohol	ND		ug/kg	460	140	2
Carbazole	2100		ug/kg	460	98.	2
Benzaldehyde	ND		ug/kg	600	180	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	460	130	2
Atrazine	ND		ug/kg	370	100	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	460	78.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	77		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 20:11		
Analyst:	JB		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	760		ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	70.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	81.	2
2,6-Dinitrotoluene	ND		ug/kg	380	96.	2
Fluoranthene	12000		ug/kg	230	69.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	110	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	900		ug/kg	380	120	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	79.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	99.	2
Butyl benzyl phthalate	180	J	ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2
Benzo(a)anthracene	6800		ug/kg	230	74.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08 D Date Collected: 09/13/13 17:30

Client ID: G2_COMP-06S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8000		ug/kg	300	92.	2
Benzo(b)fluoranthene	9000		ug/kg	230	76.	2
Benzo(k)fluoranthene	3000		ug/kg	230	72.	2
Chrysene	7200		ug/kg	230	74.	2
Acenaphthylene	1000		ug/kg	300	70.	2
Anthracene	2500		ug/kg	230	63.	2
Benzo(ghi)perylene	5000		ug/kg	300	78.	2
Fluorene	900		ug/kg	380	110	2
Phenanthrene	8900		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	1300		ug/kg	230	73.	2
Indeno(1,2,3-cd)Pyrene	5300		ug/kg	300	84.	2
Pyrene	11000		ug/kg	230	73.	2
Biphenyl	130	J	ug/kg	860	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	750		ug/kg	380	120	2
2-Methylnaphthalene	340	J	ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	71.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	810	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	980	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	1100		ug/kg	380	81.	2
Benzaldehyde	ND		ug/kg	500	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08 D Date Collected: 09/13/13 17:30

Client ID: G2_COMP-06S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	380	100	2
Atrazine	ND		ug/kg	300	85.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	380	64.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	85		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 20:39		
Analyst:	JB		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	430		ug/kg	160	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	4400		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	200	J	ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Benzo(a)anthracene	1900		ug/kg	120	40.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09 Date Collected: 09/13/13 17:35

Client ID: G2_COMP-06D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1600		ug/kg	160	51.	1
Benzo(b)fluoranthene	1900		ug/kg	120	42.	1
Benzo(k)fluoranthene	650		ug/kg	120	40.	1
Chrysene	1900		ug/kg	120	41.	1
Acenaphthylene	68	J	ug/kg	160	39.	1
Anthracene	930		ug/kg	120	34.	1
Benzo(ghi)perylene	780		ug/kg	160	43.	1
Fluorene	510		ug/kg	210	59.	1
Phenanthrene	4200		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	250		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	880		ug/kg	160	46.	1
Pyrene	3800		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	320		ug/kg	210	69.	1
2-Methylnaphthalene	110	J	ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	370		ug/kg	210	44.	1
Benzaldehyde	230	J	ug/kg	270	84.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	57.	1
Atrazine	ND		ug/kg	160	47.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	65		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Acenaphthene	108		96		31-137	12		50
1,2,4-Trichlorobenzene	94		86		38-107	9		50
Hexachlorobenzene	109		97		40-140	12		50
Bis(2-chloroethyl)ether	90		81		40-140	11		50
2-Chloronaphthalene	102		91		40-140	11		50
1,2-Dichlorobenzene	93		83		40-140	11		50
1,3-Dichlorobenzene	90		81		40-140	11		50
1,4-Dichlorobenzene	91		82		28-104	10		50
3,3'-Dichlorobenzidine	76		67		40-140	13		50
2,4-Dinitrotoluene	**114**	Q	**104**	Q	28-89	9		50
2,6-Dinitrotoluene	112		102		40-140	9		50
Fluoranthene	116		104		40-140	11		50
4-Chlorophenyl phenyl ether	110		99		40-140	11		50
4-Bromophenyl phenyl ether	113		101		40-140	11		50
Bis(2-chloroisopropyl)ether	89		80		40-140	11		50
Bis(2-chloroethoxy)methane	96		85		40-117	12		50
Hexachlorobutadiene	95		87		40-140	9		50
Hexachlorocyclopentadiene	109		100		40-140	9		50
Hexachloroethane	90		81		40-140	11		50
Isophorone	99		86		40-140	14		50
Naphthalene	97		89		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Nitrobenzene	112		103		40-140	8		50
NitrosoDiPhenylAmine(NDPA)/DPA	116		104			11		50
n-Nitrosodi-n-propylamine	97		85		32-121	13		50
Bis(2-Ethylhexyl)phthalate	124		109		40-140	13		50
Butyl benzyl phthalate	122		110		40-140	10		50
Di-n-butylphthalate	128		115		40-140	11		50
Di-n-octylphthalate	126		113		40-140	11		50
Diethyl phthalate	115		103		40-140	11		50
Dimethyl phthalate	112		101		40-140	10		50
Benzo(a)anthracene	114		101		40-140	12		50
Benzo(a)pyrene	123		108		40-140	13		50
Benzo(b)fluoranthene	112		100		40-140	11		50
Benzo(k)fluoranthene	117		104		40-140	12		50
Chrysene	111		98		40-140	12		50
Acenaphthylene	112		99		40-140	12		50
Anthracene	120		108		40-140	11		50
Benzo(ghi)perylene	118		104		40-140	13		50
Fluorene	113		100		40-140	12		50
Phenanthrene	112		101		40-140	10		50
Dibenzo(a,h)anthracene	118		108		40-140	9		50
Indeno(1,2,3-cd)Pyrene	117		102		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Pyrene	113		101		35-142	11		50
Biphenyl	114		101			12		50
4-Chloroaniline	81		68		40-140	17		50
2-Nitroaniline	114		103		47-134	10		50
3-Nitroaniline	55		47		26-129	16		50
4-Nitroaniline	110		98		41-125	12		50
Dibenzofuran	109		97		40-140	12		50
2-Methylnaphthalene	100		90		40-140	11		50
1,2,4,5-Tetrachlorobenzene	108		97		40-117	11		50
Acetophenone	105		95		14-144	10		50
2,4,6-Trichlorophenol	128		112		30-130	13		50
P-Chloro-M-Cresol	**123**	Q	**106**	Q	26-103	15		50
2-Chlorophenol	**103**	Q	91		25-102	12		50
2,4-Dichlorophenol	118		104		30-130	13		50
2,4-Dimethylphenol	112		96		30-130	15		50
2-Nitrophenol	102		95		30-130	7		50
4-Nitrophenol	**136**	Q	**122**	Q	11-114	11		50
2,4-Dinitrophenol	125		117		4-130	7		50
4,6-Dinitro-o-cresol	119		109		10-130	9		50
Pentachlorophenol	**115**	Q	102		17-109	12		50
Phenol	**104**	Q	**92**	Q	26-90	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
2-Methylphenol	108		97		30-130.	11		50
3-Methylphenol/4-Methylphenol	116		100		30-130	15		50
2,4,5-Trichlorophenol	124		110		30-130	12		50
Benzoic Acid	99		89			11		50
Benzyl Alcohol	100		87		40-140	14		50
Carbazole	115		102		54-128	12		50
Benzaldehyde	84		79			6		50
Caprolactam	60		67			11		50
Atrazine	126		112			12		50
2,3,4,6-Tetrachlorophenol	128		114			12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	102		91		25-120
Phenol-d6	100		87		10-120
Nitrobenzene-d5	94		85		23-120
2-Fluorobiphenyl	103		91		30-120
2,4,6-Tribromophenol	110		96		0-136
4-Terphenyl-d14	97		87		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 17:48		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1500	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	82		70-130
4-Bromofluorobenzene	81		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 00:13		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1020000		ug/kg	73300	7180	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	107		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 18:29		
Analyst:	JV		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	3500	67.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 06:11		
Analyst:	AR		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	789000		ug/kg	91800	8990	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 19:10		
Analyst:	JV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	760	J	ug/kg	2900	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	80		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 20:53		
Analyst:	AR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	661000		ug/kg	75400	7380	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 22:57		
Analyst:	AR		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	139000		ug/kg	41700	4080	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 04:39		
Analyst:	JV		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	3200	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	90		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 10:18
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-02,08 Batch: WG636976-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	89		70-130
4-Bromofluorobenzene	87		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 09 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 Batch: WG636976-1 WG636976-2								
Gasoline Range Organics	117		116		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	110		110		70-130
4-Bromofluorobenzene	106		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 QC Batch ID: WG636976-5 QC Sample: L1318343-01 Client ID: MS Sample												
Gasoline Range Organics	68.J	22600	26000	114		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	109				70-130
4-Bromofluorobenzene	107				70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: MS Sample												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 QC Batch ID: WG636976-4 QC Sample: L1318343-01 Client ID: DUP Sample					
Gasoline Range Organics	68.J	64J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		87		70-130
4-Bromofluorobenzene	82		88		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: DUP Sample					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:37	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	6.90	1	A
Aroclor 1221	ND		ug/kg	34.9	10.5	1	A
Aroclor 1232	ND		ug/kg	34.9	7.42	1	A
Aroclor 1242	ND		ug/kg	34.9	6.63	1	A
Aroclor 1248	ND		ug/kg	34.9	4.22	1	A
Aroclor 1254	ND		ug/kg	34.9	5.51	1	A
Aroclor 1260	55.0		ug/kg	34.9	6.06	1	B
Aroclor 1262	ND		ug/kg	34.9	2.58	1	A
Aroclor 1268	ND		ug/kg	34.9	5.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:33	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	72%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.6	8.62	1	A
Aroclor 1221	ND		ug/kg	43.6	13.2	1	A
Aroclor 1232	ND		ug/kg	43.6	9.26	1	A
Aroclor 1242	ND		ug/kg	43.6	8.28	1	A
Aroclor 1248	ND		ug/kg	43.6	5.28	1	A
Aroclor 1254	ND		ug/kg	43.6	6.88	1	A
Aroclor 1260	ND		ug/kg	43.6	7.57	1	A
Aroclor 1262	ND		ug/kg	43.6	3.23	1	A
Aroclor 1268	ND		ug/kg	43.6	6.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:46	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	7.47	1	A
Aroclor 1221	ND		ug/kg	37.8	11.4	1	A
Aroclor 1232	ND		ug/kg	37.8	8.04	1	A
Aroclor 1242	ND		ug/kg	37.8	7.18	1	A
Aroclor 1248	ND		ug/kg	37.8	4.58	1	A
Aroclor 1254	ND		ug/kg	37.8	5.96	1	A
Aroclor 1260	11.9	J	ug/kg	37.8	6.57	1	B
Aroclor 1262	ND		ug/kg	37.8	2.80	1	A
Aroclor 1268	ND		ug/kg	37.8	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 04:14	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	78%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	8.10	1	A
Aroclor 1221	ND		ug/kg	41.0	12.4	1	A
Aroclor 1232	ND		ug/kg	41.0	8.71	1	A
Aroclor 1242	ND		ug/kg	41.0	7.78	1	A
Aroclor 1248	ND		ug/kg	41.0	4.96	1	A
Aroclor 1254	ND		ug/kg	41.0	6.46	1	A
Aroclor 1260	ND		ug/kg	41.0	7.12	1	A
Aroclor 1262	ND		ug/kg	41.0	3.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 01:47
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 16:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,09 Batch: WG636526-1						
Aroclor 1016	ND		ug/kg	32.6	6.44	A
Aroclor 1221	ND		ug/kg	32.6	9.84	A
Aroclor 1232	ND		ug/kg	32.6	6.93	A
Aroclor 1242	ND		ug/kg	32.6	6.19	A
Aroclor 1248	ND		ug/kg	32.6	3.94	A
Aroclor 1254	ND		ug/kg	32.6	5.14	A
Aroclor 1260	ND		ug/kg	32.6	5.66	A
Aroclor 1262	ND		ug/kg	32.6	2.41	A
Aroclor 1268	ND		ug/kg	32.6	4.73	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,08 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,09 Batch: WG636526-2 WG636526-3									
Aroclor 1016	66		75		40-140	13		50	A
Aroclor 1260	58		64		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		78		30-150	B
Decachlorobiphenyl	69		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,08 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:44	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.2	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	87		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:04	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.6	3.26	10	A
Lindane	ND		ug/kg	6.94	3.10	10	A
Alpha-BHC	ND		ug/kg	6.94	1.97	10	A
Beta-BHC	ND		ug/kg	16.6	6.31	10	A
Heptachlor	ND		ug/kg	8.32	3.73	10	A
Aldrin	ND		ug/kg	16.6	5.86	10	A
Heptachlor epoxide	ND		ug/kg	31.2	9.36	10	A
Endrin	ND		ug/kg	6.94	2.84	10	A
Endrin ketone	ND		ug/kg	16.6	4.29	10	A
Dieldrin	ND		ug/kg	10.4	5.20	10	A
4,4'-DDE	ND		ug/kg	16.6	3.85	10	A
4,4'-DDD	ND		ug/kg	16.6	5.94	10	A
4,4'-DDT	21.0	J	ug/kg	31.2	13.4	10	A
Endosulfan I	ND		ug/kg	16.6	3.93	10	A
Endosulfan II	ND		ug/kg	16.6	5.56	10	A
Endosulfan sulfate	ND		ug/kg	6.94	3.17	10	A
Methoxychlor	ND		ug/kg	31.2	9.71	10	A
Toxaphene	ND		ug/kg	312	87.4	10	A
cis-Chlordane	ND		ug/kg	20.8	5.80	10	A
trans-Chlordane	ND		ug/kg	20.8	5.49	10	A
Chlordane	ND		ug/kg	135	55.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	137		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:24	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	230	27.9	1	A
2,4,5-T	ND		ug/kg	230	14.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	230	12.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	84		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:17	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	21.2	4.15	10	A
Lindane	ND		ug/kg	8.82	3.94	10	A
Alpha-BHC	ND		ug/kg	8.82	2.51	10	A
Beta-BHC	ND		ug/kg	21.2	8.03	10	A
Heptachlor	ND		ug/kg	10.6	4.75	10	A
Aldrin	ND		ug/kg	21.2	7.46	10	A
Heptachlor epoxide	ND		ug/kg	39.7	11.9	10	A
Endrin	ND		ug/kg	8.82	3.62	10	A
Endrin ketone	ND		ug/kg	21.2	5.45	10	A
Dieldrin	ND		ug/kg	13.2	6.62	10	A
4,4'-DDE	ND		ug/kg	21.2	4.90	10	A
4,4'-DDD	ND		ug/kg	21.2	7.55	10	A
4,4'-DDT	ND		ug/kg	39.7	17.0	10	A
Endosulfan I	ND		ug/kg	21.2	5.00	10	A
Endosulfan II	ND		ug/kg	21.2	7.08	10	A
Endosulfan sulfate	ND		ug/kg	8.82	4.03	10	A
Methoxychlor	ND		ug/kg	39.7	12.4	10	A
Toxaphene	ND		ug/kg	397	111.	10	A
cis-Chlordane	ND		ug/kg	26.5	7.38	10	A
trans-Chlordane	ND		ug/kg	26.5	6.99	10	A
Chlordane	ND		ug/kg	172	70.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	**194**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:04	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	23.0	1	A
2,4,5-T	ND		ug/kg	189	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	77		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:30	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.2	3.57	10	A
Lindane	ND		ug/kg	7.60	3.40	10	A
Alpha-BHC	ND		ug/kg	7.60	2.16	10	A
Beta-BHC	ND		ug/kg	18.2	6.91	10	A
Heptachlor	ND		ug/kg	9.12	4.09	10	A
Aldrin	ND		ug/kg	18.2	6.42	10	A
Heptachlor epoxide	ND		ug/kg	34.2	10.2	10	A
Endrin	ND		ug/kg	7.60	3.11	10	A
Endrin ketone	ND		ug/kg	18.2	4.69	10	A
Dieldrin	ND		ug/kg	11.4	5.70	10	A
4,4'-DDE	ND		ug/kg	18.2	4.22	10	A
4,4'-DDD	ND		ug/kg	18.2	6.50	10	A
4,4'-DDT	ND		ug/kg	34.2	14.7	10	A
Endosulfan I	ND		ug/kg	18.2	4.31	10	A
Endosulfan II	ND		ug/kg	18.2	6.09	10	A
Endosulfan sulfate	ND		ug/kg	7.60	3.47	10	A
Methoxychlor	ND		ug/kg	34.2	10.6	10	A
Toxaphene	ND		ug/kg	342	95.7	10	A
cis-Chlordane	ND		ug/kg	22.8	6.35	10	A
trans-Chlordane	ND		ug/kg	22.8	6.02	10	A
Chlordane	ND		ug/kg	148	60.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	122		30-150	A
Decachlorobiphenyl	**218**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:44	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	211	25.7	1	A
2,4,5-T	ND		ug/kg	211	13.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	211	11.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09 D	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:21	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.69	1.90	5	A
Lindane	ND		ug/kg	4.04	1.80	5	A
Alpha-BHC	ND		ug/kg	4.04	1.15	5	A
Beta-BHC	ND		ug/kg	9.69	3.67	5	A
Heptachlor	ND		ug/kg	4.84	2.17	5	A
Aldrin	ND		ug/kg	9.69	3.41	5	A
Heptachlor epoxide	ND		ug/kg	18.2	5.45	5	A
Endrin	ND		ug/kg	4.04	1.65	5	A
Endrin ketone	ND		ug/kg	9.69	2.49	5	A
Dieldrin	ND		ug/kg	6.05	3.03	5	A
4,4'-DDE	ND		ug/kg	9.69	2.24	5	A
4,4'-DDD	ND		ug/kg	9.69	3.46	5	A
4,4'-DDT	ND		ug/kg	18.2	7.79	5	A
Endosulfan I	ND		ug/kg	9.69	2.29	5	A
Endosulfan II	ND		ug/kg	9.69	3.24	5	A
Endosulfan sulfate	ND		ug/kg	4.04	1.84	5	A
Methoxychlor	ND		ug/kg	18.2	5.65	5	A
Toxaphene	ND		ug/kg	182	50.8	5	A
cis-Chlordane	ND		ug/kg	12.1	3.37	5	A
trans-Chlordane	ND		ug/kg	12.1	3.20	5	A
Chlordane	ND		ug/kg	78.7	32.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/13 16:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/16/13 21:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636563-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.298	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	149		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636563-2 WG636563-3									
Delta-BHC	70		79		30-150	12		30	A
Lindane	69		78		30-150	12		30	A
Alpha-BHC	65		75		30-150	14		30	A
Beta-BHC	72		79		30-150	9		30	A
Heptachlor	70		81		30-150	15		30	A
Aldrin	69		81		30-150	16		30	A
Heptachlor epoxide	63		74		30-150	16		30	A
Endrin	75		89		30-150	17		30	A
Endrin ketone	65		76		30-150	16		30	A
Dieldrin	66		79		30-150	18		30	A
4,4'-DDE	64		76		30-150	17		30	A
4,4'-DDD	66		79		30-150	18		30	A
4,4'-DDT	68		80		30-150	16		30	A
Endosulfan I	66		78		30-150	17		30	A
Endosulfan II	59		70		30-150	17		30	A
Endosulfan sulfate	63		74		30-150	16		30	A
Methoxychlor	68		80		30-150	16		30	A
cis-Chlordane	65		77		30-150	17		30	A
trans-Chlordane	66		79		30-150	18		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636563-2 WG636563-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		85		30-150	A
Decachlorobiphenyl	94		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	B
Decachlorobiphenyl	131		143		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Barium, TCLP	0.28	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Lead, TCLP	0.36	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:43	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01
Client ID: G1_COMP-09S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 16:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6900		mg/kg	8.6	1.7	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.68	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Arsenic, Total	9.6		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.86	0.26	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Beryllium, Total	4.9		mg/kg	0.43	0.09	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.86	0.06	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Calcium, Total	52000		mg/kg	8.6	2.6	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Chromium, Total	39		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Cobalt, Total	37		mg/kg	1.7	0.43	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Copper, Total	680		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Iron, Total	27000		mg/kg	4.3	1.7	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Lead, Total	460		mg/kg	4.3	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Magnesium, Total	18000		mg/kg	8.6	0.86	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Manganese, Total	310		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Mercury, Total	0.12		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 11:22	EPA 7471B	1,7471B	MC
Nickel, Total	69		mg/kg	2.1	0.34	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Potassium, Total	910		mg/kg	210	34.	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Selenium, Total	0.80	J	mg/kg	1.7	0.26	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Silver, Total	0.20	J	mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Sodium, Total	710		mg/kg	170	26.	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.86	0.09	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Zinc, Total	3800		mg/kg	21	3.0	10	09/17/13 14:42	09/19/13 18:43	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Barium, TCLP	0.30	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Lead, TCLP	0.38	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:45	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02
Client ID: G1_COMP-09D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 72%

Date Collected: 09/13/13 16:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4200		mg/kg	11	2.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Antimony, Total	5.7		mg/kg	5.4	0.86	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Barium, Total	420		mg/kg	1.1	0.32	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Beryllium, Total	0.44	J	mg/kg	0.54	0.11	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Cadmium, Total	1.8		mg/kg	1.1	0.08	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Calcium, Total	9200		mg/kg	11	3.2	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Chromium, Total	15		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Cobalt, Total	7.1		mg/kg	2.1	0.54	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Copper, Total	2900		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	5.4	2.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Lead, Total	370		mg/kg	5.4	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Magnesium, Total	1500		mg/kg	11	1.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Manganese, Total	230		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Mercury, Total	0.64		mg/kg	0.11	0.02	1	09/20/13 09:09	09/20/13 11:24	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.7	0.43	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Potassium, Total	920		mg/kg	270	43.	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Selenium, Total	1.3	J	mg/kg	2.1	0.32	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Silver, Total	0.25	J	mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Sodium, Total	460		mg/kg	210	32.	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.1	0.43	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Vanadium, Total	17		mg/kg	1.1	0.11	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Zinc, Total	690		mg/kg	5.4	0.75	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Barium, TCLP	0.37	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Lead, TCLP	0.72		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:47	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08
Client ID: G2_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 17:30
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	8.7	1.7	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.70	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Barium, Total	130		mg/kg	0.87	0.26	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Beryllium, Total	0.38	J	mg/kg	0.43	0.09	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Cadmium, Total	0.90		mg/kg	0.87	0.06	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Calcium, Total	8800		mg/kg	8.7	2.6	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	1.7	0.43	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Copper, Total	83		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	4.3	1.7	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Lead, Total	440		mg/kg	4.3	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Magnesium, Total	1500		mg/kg	8.7	0.87	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Mercury, Total	0.72		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:25	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.2	0.35	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Potassium, Total	560		mg/kg	220	35.	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Selenium, Total	0.88	J	mg/kg	1.7	0.26	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Sodium, Total	140	J	mg/kg	170	26.	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Vanadium, Total	16		mg/kg	0.87	0.09	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Zinc, Total	240		mg/kg	4.3	0.61	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Barium, TCLP	0.40	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Lead, TCLP	2.2		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:49	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09
Client ID: G2_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 78%

Date Collected: 09/13/13 17:35
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9300		mg/kg	9.8	2.0	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.9	0.78	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Arsenic, Total	6.6		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Barium, Total	53		mg/kg	0.98	0.29	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Beryllium, Total	0.47	J	mg/kg	0.49	0.10	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Cadmium, Total	1.9		mg/kg	0.98	0.07	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Calcium, Total	1800		mg/kg	9.8	2.9	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Cobalt, Total	8.3		mg/kg	2.0	0.49	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Copper, Total	36		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.9	2.0	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Lead, Total	130		mg/kg	4.9	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Magnesium, Total	2400		mg/kg	9.8	0.98	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Manganese, Total	370		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Mercury, Total	0.52		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:27	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.4	0.39	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Potassium, Total	580		mg/kg	240	39.	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.29	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Sodium, Total	100	J	mg/kg	200	29.	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.39	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.98	0.10	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Zinc, Total	1600		mg/kg	4.9	0.68	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636801-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Calcium, Total	2.4	J	mg/kg	4.0	1.2	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637081-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637435-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 10:56	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636801-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	109		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	92		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	100		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	108		-		66-134	-		
Sodium, Total	103		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636801-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637081-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637435-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample												
Aluminum, Total	4200	164	5000	**489**	Q	5100	**524**	Q	75-125	2		35
Antimony, Total	ND	40.9	37	90		39	91		75-125	5		35
Arsenic, Total	0.95	9.82	11	102		11	97		75-125	0		35
Barium, Total	8.4	164	170	99		180	100		75-125	6		35
Beryllium, Total	0.18J	4.09	4.2	103		4.4	102		75-125	5		35
Cadmium, Total	0.29J	4.17	4.2	101		4.5	103		75-125	7		35
Calcium, Total	620	818	4500	**474**	Q	1900	**149**	Q	75-125	**81**	Q	35
Chromium, Total	9.4	16.4	24	89		29	114		75-125	19		35
Cobalt, Total	2.1	40.9	40	93		43	95		75-125	7		35
Copper, Total	7.7	20.4	29	104		29	99		75-125	0		35
Iron, Total	9400	81.8	9100	**0**	Q	10000	**698**	Q	75-125	9		35
Lead, Total	3.5J	41.7	44	105		46	105		75-125	4		35
Magnesium, Total	680	818	1600	112		1600	107		75-125	0		35
Manganese, Total	59.	40.9	120	**149**	Q	100	95		75-125	18		35
Nickel, Total	5.5	40.9	44	94		46	94		75-125	4		35
Potassium, Total	190J	818	1000	122		1000	116		75-125	0		35
Selenium, Total	ND	9.82	9.9	101		10	97		75-125	1		35
Silver, Total	ND	24.5	24	98		25	97		75-125	4		35
Sodium, Total	140J	818	1600	**196**	Q	1300	**151**	Q	75-125	21		35
Thallium, Total	ND	9.82	8.4	86		9.0	87		75-125	7		35
Vanadium, Total	11.	40.9	51	98		56	105		75-125	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample										
Zinc, Total	11.	40.9	52	100		52	95	75-125	0	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0246	98		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637081-4 QC Sample: L1318237-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.46J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	0.03J	2	2.0	100		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637435-4 QC Sample: L1318157-06 Client ID: MS Sample										
Mercury, Total	0.06J	0.16	0.26	**162**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637081-3 QC Sample: L1318237-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637435-3 QC Sample: L1318157-06 Client ID: DUP Sample						
Mercury, Total	0.06J	0.09	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01
Client ID: G1_COMP-09S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	39		mg/kg	0.89	0.89	1	-	09/20/13 10:52	107,-	JO
Solids, Total	90.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.25	1	09/17/13 11:20	09/18/13 14:42	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 22:00	09/18/13 00:25	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02
Client ID: G1_COMP-09D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	1.1	1.1	1	-	09/20/13 10:52	107,-	JO
Solids, Total	72.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.4	0.32	1	09/17/13 11:20	09/18/13 14:43	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.25	1	09/16/13 22:00	09/18/13 00:26	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-03
Client ID: G1_SB-09A_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-04
Client ID: G1_SB-09A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-06
Client ID: G2_SB-06B_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-07
Client ID: G2_SB-06C_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08
Client ID: G2_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:30
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.92	0.92	1	-	09/20/13 10:52	107,-	JO
Solids, Total	87.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:44	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	09/16/13 22:00	09/18/13 00:26	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09
Client ID: G2_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:35
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	1.0	1.0	1	-	09/20/13 10:52	107,-	JO
Solids, Total	78.4		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.29	1	09/17/13 11:20	09/18/13 14:45	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 22:00	09/18/13 00:27	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-09 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: G1_COMP-09S_0-5						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:32

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-01A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-01B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-01C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-01X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-02A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
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Lab Number: L1318162
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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-02B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-02C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-02X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-03A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-03X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-03Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-03Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-04X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-05A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1318162-05B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1318162-06A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-06X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-06Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-06Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-07X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-08A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-08B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-08C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-08X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-09A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-09B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

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Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-09C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-09X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

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Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318162

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C

Address: 360 W 31st St 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mini Ravgorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters;
2) Provide category A data deliverables;
3) Provide NYSDEC EDD.

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Metals, Total CN, Hex Chrom, TCLP Volatiles, Metals, Reactivity	TS	Sec. Pest, Herb, TPH DRO	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
18162 1	G1-COMP-09S-0-5	9/13	16:10	Soil	NB		X		X	X			3
2	G1_COMP-09D_5-10		16:20		NB		X		X	X			3
3	G1_SB-09A_(9.5-10)		16:00		NB	X		X					4
4	G1_SB-09A_(3.5-4)		15:55		NB	X		X					4
5	TRIP BLANK		1600		NB						X		2
6	G2_SB-06B_(4.5-5)		1700	Soil	NB	X		X					4
7	G2_SB-06C_(9.5-10)		17:15		NB	X		X					4
8	G-2-COMP-06S_0-5		17:30		NB		X		X	X			3
9	G-2-COMP-06D_5-10		17:35		NB		X		X	X			3

Container Type													
Preservative													

COOLER D

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2015	[illegible]	9/13/13 2015
[illegible]	9/14/13 0020	[illegible]	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318164
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318164-01	G1_SB-07A_3.5-4	BROOKLYN, NY	09/13/13 13:45
L1318164-02	G1_SB-07A_9-9.5	BROOKLYN, NY	09/13/13 13:55
L1318164-03	G1_COMP-07D_5-10	BROOKLYN, NY	09/13/13 14:10
L1318164-04	G1_COMP-07S_0-5	BROOKLYN, NY	09/13/13 14:05
L1318164-05	G1_COMP-08D_5-10	BROOKLYN, NY	09/13/13 15:20
L1318164-06	G1_COMP-08S_0-5	BROOKLYN, NY	09/13/13 15:15
L1318164-07	G1_SB-08A_9-9.5	BROOKLYN, NY	09/13/13 15:00
L1318164-08	G1_SB-08A_4.5-5	BROOKLYN, NY	09/13/13 14:55
L1318164-09	TB05_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1318164-01, -02, -07, -08 and -09: The client IDs were specified by the client.

Semivolatile Organics

L1318164-04 has elevated detection limits due to the dilution required by the sample matrix.

Pesticides

L1318164-03 through -06 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318164-03 through -06 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-01	Date Collected:	09/13/13 13:45
Client ID:	G1_SB-07A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 17:34		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.5	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.17	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.95	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.22	1
Dibromochloromethane	ND		ug/kg	0.95	0.29	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.95	0.13	1
Chlorobenzene	ND		ug/kg	0.95	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.95	0.10	1
Bromodichloromethane	ND		ug/kg	0.95	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.95	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.43	1
Bromoform	ND		ug/kg	3.8	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.95	0.16	1
Benzene	ND		ug/kg	0.95	0.11	1
Toluene	ND		ug/kg	1.4	0.11	1
Ethylbenzene	ND		ug/kg	0.95	0.14	1
Chloromethane	ND		ug/kg	4.7	0.74	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.13	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	1.4		ug/kg	0.95	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.23	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-01 Date Collected: 09/13/13 13:45

Client ID: G1_SB-07A_3.5-4 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.9	0.10	1
p/m-Xylene	ND		ug/kg	1.9	0.31	1
o-Xylene	ND		ug/kg	1.9	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.14	1
Dibromomethane	ND		ug/kg	9.5	0.16	1
Styrene	ND		ug/kg	1.9	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.21	1
Acetone	ND		ug/kg	9.5	2.9	1
Carbon disulfide	ND		ug/kg	9.5	1.9	1
2-Butanone	ND		ug/kg	9.5	0.34	1
Vinyl acetate	ND		ug/kg	9.5	0.46	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.5	0.21	1
2-Hexanone	ND		ug/kg	9.5	0.18	1
Bromochloromethane	ND		ug/kg	4.7	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.95	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.20	1
n-Butylbenzene	ND		ug/kg	0.95	0.19	1
sec-Butylbenzene	ND		ug/kg	0.95	0.20	1
tert-Butylbenzene	ND		ug/kg	4.7	0.53	1
o-Chlorotoluene	ND		ug/kg	4.7	0.15	1
p-Chlorotoluene	ND		ug/kg	4.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.75	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.40	1
Isopropylbenzene	ND		ug/kg	0.95	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.18	1
Naphthalene	ND		ug/kg	4.7	0.73	1
Acrylonitrile	ND		ug/kg	9.5	0.22	1
n-Propylbenzene	ND		ug/kg	0.95	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.75	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.54	1
Methyl Acetate	ND		ug/kg	19	0.72	1
Cyclohexane	ND		ug/kg	19	1.0	1
1,4-Dioxane	ND		ug/kg	95	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-01	Date Collected:	09/13/13 13:45
Client ID:	G1_SB-07A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	19	0.26	1
p-Diethylbenzene	ND		ug/kg	3.8	0.15	1
p-Ethyltoluene	ND		ug/kg	3.8	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.12	1
Ethyl ether	ND		ug/kg	4.7	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.42	1
Methyl cyclohexane	ND		ug/kg	3.8	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-02	Date Collected:	09/13/13 13:55
Client ID:	G1_SB-07A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 04:38		
Analyst:	PP		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.93	1
Bromomethane	0.63	J	ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.29	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-02 Date Collected: 09/13/13 13:55

Client ID: G1_SB-07A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	33		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	5.3	J	ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.57	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	5.9	0.91	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.68	1
Methyl Acetate	ND		ug/kg	24	0.90	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-02	Date Collected:	09/13/13 13:55
Client ID:	G1_SB-07A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.32	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-07	Date Collected:	09/13/13 15:00
Client ID:	G1_SB-08A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 05:12		
Analyst:	PP		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.55	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	0.66	J	ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-07 Date Collected: 09/13/13 15:00

Client ID: G1_SB-08A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	49		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	6.7	J	ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	6.0	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.0	0.67	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.95	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.51	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.95	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
Methyl Acetate	ND		ug/kg	24	0.92	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-07	Date Collected:	09/13/13 15:00
Client ID:	G1_SB-08A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.33	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.54	1
Methyl cyclohexane	ND		ug/kg	4.8	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-08	Date Collected:	09/13/13 14:55
Client ID:	G1_SB-08A_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 05:47		
Analyst:	PP		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.16	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.88	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.88	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	0.88	0.12	1
Chlorobenzene	ND		ug/kg	0.88	0.31	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.10	1
Bromodichloromethane	ND		ug/kg	0.88	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.4	0.40	1
Bromoform	ND		ug/kg	3.5	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.15	1
Benzene	ND		ug/kg	0.88	0.10	1
Toluene	ND		ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.88	0.13	1
Chloromethane	ND		ug/kg	4.4	0.69	1
Bromomethane	0.39	J	ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.12	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Trichloroethene	0.38	J	ug/kg	0.88	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.21	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-08 Date Collected: 09/13/13 14:55

Client ID: G1_SB-08A_4.5-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.09	1
p/m-Xylene	ND		ug/kg	1.8	0.28	1
o-Xylene	ND		ug/kg	1.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.13	1
Dibromomethane	ND		ug/kg	8.8	0.14	1
Styrene	ND		ug/kg	1.8	0.27	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.19	1
Acetone	ND		ug/kg	8.8	2.7	1
Carbon disulfide	ND		ug/kg	8.8	1.8	1
2-Butanone	ND		ug/kg	8.8	0.31	1
Vinyl acetate	ND		ug/kg	8.8	0.42	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	0.20	1
2-Hexanone	ND		ug/kg	8.8	0.17	1
Bromochloromethane	ND		ug/kg	4.4	0.17	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.20	1
1,2-Dibromoethane	ND		ug/kg	3.5	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	0.28	1
Bromobenzene	ND		ug/kg	4.4	0.18	1
n-Butylbenzene	ND		ug/kg	0.88	0.17	1
sec-Butylbenzene	ND		ug/kg	0.88	0.18	1
tert-Butylbenzene	ND		ug/kg	4.4	0.50	1
o-Chlorotoluene	ND		ug/kg	4.4	0.14	1
p-Chlorotoluene	ND		ug/kg	4.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.70	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.37	1
Isopropylbenzene	ND		ug/kg	0.88	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.17	1
Naphthalene	ND		ug/kg	4.4	0.68	1
Acrylonitrile	ND		ug/kg	8.8	0.21	1
n-Propylbenzene	ND		ug/kg	0.88	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.70	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.51	1
Methyl Acetate	ND		ug/kg	18	0.68	1
Cyclohexane	ND		ug/kg	18	0.95	1
1,4-Dioxane	ND		ug/kg	88	15.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-08	Date Collected:	09/13/13 14:55
Client ID:	G1_SB-08A_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.24	1
p-Diethylbenzene	ND		ug/kg	3.5	0.14	1
p-Ethyltoluene	ND		ug/kg	3.5	0.10	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.12	1
Ethyl ether	ND		ug/kg	4.4	0.23	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	0.40	1
Methyl cyclohexane	ND		ug/kg	3.5	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-09	Date Collected:	09/13/13 00:00
Client ID:	TB05_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 14:55		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-09 Date Collected: 09/13/13 00:00

Client ID: TB05_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-09	Date Collected:	09/13/13 00:00
Client ID:	TB05_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.3	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
Methylene chloride	113		124		70-130	9		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	112		117		70-130	4		30
1,1,2-Trichloroethane	108		113		70-130	5		30
Tetrachloroethene	102		102		70-130	0		30
Chlorobenzene	106		109		70-130	3		30
Trichlorofluoromethane	87		94		70-139	8		30
1,2-Dichloroethane	99		104		70-130	5		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	86		89		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	113		122		70-130	8		30
Benzene	106		106		70-130	0		30
Toluene	102		103		70-130	1		30
Ethylbenzene	109		110		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
Chloromethane	125		126		52-130	1		30
Bromomethane	126		126		57-147	0		30
Vinyl chloride	128		127		67-130	1		30
Chloroethane	107		106		50-151	1		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	107		111		70-130	4		30
1,4-Dichlorobenzene	108		112		70-130	4		30
Methyl tert butyl ether	83		85		66-130	2		30
p/m-Xylene	108		109		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		104		70-130	7		30
Styrene	111		115		70-130	4		30
Dichlorodifluoromethane	84		95		30-146	12		30
Acetone	119		131		54-140	10		30
Carbon disulfide	104		102		59-130	2		30
2-Butanone	101		108		70-130	7		30
Vinyl acetate	101		107		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
4-Methyl-2-pentanone	101		108		70-130	7		30
1,2,3-Trichloropropane	108		116		68-130	7		30
2-Hexanone	106		116		70-130	9		30
Bromochloromethane	100		106		70-130	6		30
2,2-Dichloropropane	87		84		70-130	4		30
1,2-Dibromoethane	111		118		70-130	6		30
1,3-Dichloropropane	103		109		69-130	6		30
1,1,1,2-Tetrachloroethane	103		106		70-130	3		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	110		111		70-130	1		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	107		107		70-130	0		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	109		111		70-130	2		30
1,2-Dibromo-3-chloropropane	99		108		68-130	9		30
Hexachlorobutadiene	92		95		67-130	3		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	103		111		70-130	7		30
Acrylonitrile	104		116		70-130	11		30
Isopropyl Ether	101		104		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	110		112		70-130	2		30
1,2,3-Trichlorobenzene	105		111		70-130	6		30
1,2,4-Trichlorobenzene	103		107		70-130	4		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	106		109		70-130	3		30
Methyl Acetate	105		116		51-146	10		30
Ethyl Acetate	111		120		70-130	8		30
Acrolein	99		109		70-130	10		30
Cyclohexane	87		97		59-142	11		30
1,4-Dioxane	111		123		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		98		50-139	12		30
1,4-Diethylbenzene	108		109		70-130	1		30
4-Ethyltoluene	110		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		30
Tetrahydrofuran	105		116		66-130	10		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	101		105		70-130	4		30
Methyl cyclohexane	87		97		70-130	11		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30
Tertiary-Amyl Methyl Ether	**62**	Q	**63**	Q	70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		79		50-139	7		30
1,4-Diethylbenzene	102		97		70-130	5		30
4-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	109		104		70-130	5		20
Chloroform	113		109		70-130	4		20
2-Chloroethylvinyl ether	84		85		70-130	1		20
Carbon tetrachloride	122		115		63-132	6		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	108		107		63-130	1		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	127		119		62-150	7		20
1,2-Dichloroethane	123		119		70-130	3		20
1,1,1-Trichloroethane	122		114		67-130	7		20
Bromodichloromethane	113		112		67-130	1		20
trans-1,3-Dichloropropene	103		104		70-130	1		20
cis-1,3-Dichloropropene	107		105		70-130	2		20
1,1-Dichloropropene	111		104		70-130	7		20
Bromoform	105		111		54-136	6		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	104		99		70-130	5		20
Toluene	94		90		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Ethylbenzene	100		96		70-130	4		20
Chloromethane	**60**	Q	69		64-130	14		20
Bromomethane	61		68		39-139	11		20
Vinyl chloride	94		88		55-140	7		20
Chloroethane	119		113		55-138	5		20
1,1-Dichloroethene	114		105		61-145	8		20
trans-1,2-Dichloroethene	110		104		70-130	6		20
Trichloroethene	109		103		70-130	6		20
1,2-Dichlorobenzene	92		98		70-130	6		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	119		118		63-130	1		20
p/m-Xylene	100		98		70-130	2		20
o-Xylene	101		99		70-130	2		20
cis-1,2-Dichloroethene	107		102		70-130	5		20
Dibromomethane	109		111		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	98		102		70-130	4		20
Isopropyl Ether	108		103		70-130	5		20
tert-Butyl Alcohol	**138**	Q	**156**	Q	70-130	12		20
Styrene	101		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Dichlorodifluoromethane	88		83		36-147	6		20
Acetone	134		**158**	Q	58-148	16		20
Carbon disulfide	104		97		51-130	7		20
2-Butanone	116		115		63-138	1		20
Vinyl acetate	111		112		70-130	1		20
4-Methyl-2-pentanone	109		106		59-130	3		20
2-Hexanone	104		113		57-130	8		20
Bromochloromethane	120		117		70-130	3		20
2,2-Dichloropropane	133		120		63-133	10		20
1,2-Dibromoethane	103		104		70-130	1		20
1,3-Dichloropropane	99		98		70-130	1		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	91		90		53-136	1		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		97		70-130	1		20
p-Chlorotoluene	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20
Hexachlorobutadiene	102		105		63-130	3		20
Isopropylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
p-Isopropyltoluene	96		96		70-130	0		20
Naphthalene	92		97		70-130	5		20
n-Propylbenzene	92		92		69-130	0		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
Methyl Acetate	112		116		70-130	4		20
Ethyl Acetate	114		114		70-130	0		20
Cyclohexane	106		96		70-130	10		20
Ethyl-Tert-Butyl-Ether	114		113		70-130	1		20
Tertiary-Amyl Methyl Ether	112		111		66-130	1		20
1,4-Dioxane	121		138		56-162	13		20
Freon-113	118		107		70-130	10		20
p-Diethylbenzene	94		94		70-130	0		20
p-Ethyltoluene	94		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		20
Ethyl ether	114		112		59-134	2		20
trans-1,4-Dichloro-2-butene	89		100		70-130	12		20
Methyl cyclohexane	109		100		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		105		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 09:34		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	380		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	6700		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	410		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	53	J	ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1
Benzo(a)anthracene	3100		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03 Date Collected: 09/13/13 14:10

Client ID: G1_COMP-07D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	150	46.	1
Benzo(b)fluoranthene	4200		ug/kg	110	38.	1
Benzo(k)fluoranthene	1700		ug/kg	110	36.	1
Chrysene	3600		ug/kg	110	37.	1
Acenaphthylene	170		ug/kg	150	35.	1
Anthracene	1200		ug/kg	110	31.	1
Benzo(ghi)perylene	2400		ug/kg	150	39.	1
Fluorene	500		ug/kg	190	54.	1
Phenanthrene	5600		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	590		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	150	41.	1
Pyrene	6000		ug/kg	110	36.	1
Biphenyl	78	J	ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	400		ug/kg	190	62.	1
2-Methylnaphthalene	240		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	400		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	75.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	111		30-120
2,4,6-Tribromophenol	121		0-136
4-Terphenyl-d14	114		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 01:01		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	440		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	6300		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	65.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	270	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	3500		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04 D Date Collected: 09/13/13 14:05

Client ID: G1_COMP-07S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2800		ug/kg	290	88.	2
Benzo(b)fluoranthene	3400		ug/kg	220	73.	2
Benzo(k)fluoranthene	1300		ug/kg	220	69.	2
Chrysene	3600		ug/kg	220	71.	2
Acenaphthylene	130	J	ug/kg	290	67.	2
Anthracene	1400		ug/kg	220	60.	2
Benzo(ghi)perylene	1600		ug/kg	290	75.	2
Fluorene	470		ug/kg	360	100	2
Phenanthrene	6300		ug/kg	220	70.	2
Dibenzo(a,h)anthracene	430		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	290	80.	2
Pyrene	6000		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	390		ug/kg	360	120	2
2-Methylnaphthalene	180	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	420		ug/kg	360	77.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 01:27		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	1900		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	110	J	ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	74	J	ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	920		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05 Date Collected: 09/13/13 15:20

Client ID: G1_COMP-08D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	940		ug/kg	160	48.	1
Benzo(b)fluoranthene	1100		ug/kg	120	39.	1
Benzo(k)fluoranthene	390		ug/kg	120	37.	1
Chrysene	940		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	400		ug/kg	120	32.	1
Benzo(ghi)perylene	570		ug/kg	160	41.	1
Fluorene	180	J	ug/kg	200	56.	1
Phenanthrene	1800		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	150		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	630		ug/kg	160	43.	1
Pyrene	1600		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	150	J	ug/kg	200	65.	1
2-Methylnaphthalene	91	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	60.	1
Acetophenone	ND		ug/kg	200	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	140	J	ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06 D	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 11:11		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	5600		ug/kg	1400	370	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	590	10
Hexachlorobenzene	ND		ug/kg	1100	330	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	500	10
2-Chloronaphthalene	ND		ug/kg	1800	580	10
1,2-Dichlorobenzene	ND		ug/kg	1800	590	10
1,3-Dichlorobenzene	ND		ug/kg	1800	560	10
1,4-Dichlorobenzene	ND		ug/kg	1800	540	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	390	10
2,6-Dinitrotoluene	ND		ug/kg	1800	460	10
Fluoranthene	28000		ug/kg	1100	330	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	540	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	410	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	630	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1900	540	10
Hexachlorobutadiene	ND		ug/kg	1800	510	10
Hexachlorocyclopentadiene	ND		ug/kg	5100	1200	10
Hexachloroethane	ND		ug/kg	1400	330	10
Isophorone	ND		ug/kg	1600	480	10
Naphthalene	6600		ug/kg	1800	600	10
Nitrobenzene	ND		ug/kg	1600	430	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1400	380	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	530	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1800	470	10
Butyl benzyl phthalate	ND		ug/kg	1800	350	10
Di-n-butylphthalate	ND		ug/kg	1800	350	10
Di-n-octylphthalate	ND		ug/kg	1800	440	10
Diethyl phthalate	ND		ug/kg	1800	380	10
Dimethyl phthalate	ND		ug/kg	1800	460	10
Benzo(a)anthracene	13000		ug/kg	1100	350	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06 D Date Collected: 09/13/13 15:15

Client ID: G1_COMP-08S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	12000		ug/kg	1400	440	10
Benzo(b)fluoranthene	15000		ug/kg	1100	360	10
Benzo(k)fluoranthene	6100		ug/kg	1100	340	10
Chrysene	13000		ug/kg	1100	350	10
Acenaphthylene	ND		ug/kg	1400	340	10
Anthracene	9000		ug/kg	1100	300	10
Benzo(ghi)perylene	7700		ug/kg	1400	370	10
Fluorene	5000		ug/kg	1800	510	10
Phenanthrene	29000		ug/kg	1100	350	10
Dibenzo(a,h)anthracene	2000		ug/kg	1100	350	10
Indeno(1,2,3-cd)Pyrene	8900		ug/kg	1400	400	10
Pyrene	24000		ug/kg	1100	350	10
Biphenyl	690	J	ug/kg	4100	590	10
4-Chloroaniline	ND		ug/kg	1800	470	10
2-Nitroaniline	ND		ug/kg	1800	510	10
3-Nitroaniline	ND		ug/kg	1800	500	10
4-Nitroaniline	ND		ug/kg	1800	480	10
Dibenzofuran	3000		ug/kg	1800	600	10
2-Methylnaphthalene	3600		ug/kg	2200	570	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	560	10
Acetophenone	ND		ug/kg	1800	560	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
P-Chloro-M-Cresol	ND		ug/kg	1800	520	10
2-Chlorophenol	ND		ug/kg	1800	540	10
2,4-Dichlorophenol	ND		ug/kg	1600	580	10
2,4-Dimethylphenol	ND		ug/kg	1800	530	10
2-Nitrophenol	ND		ug/kg	3900	560	10
4-Nitrophenol	ND		ug/kg	2500	580	10
2,4-Dinitrophenol	ND		ug/kg	8600	2400	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	660	10
Pentachlorophenol	ND		ug/kg	1400	380	10
Phenol	ND		ug/kg	1800	530	10
2-Methylphenol	ND		ug/kg	1800	580	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	590	10
2,4,5-Trichlorophenol	ND		ug/kg	1800	580	10
Benzoic Acid	ND		ug/kg	5800	1800	10
Benzyl Alcohol	ND		ug/kg	1800	550	10
Carbazole	3400		ug/kg	1800	380	10
Benzaldehyde	ND		ug/kg	2400	720	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06 D Date Collected: 09/13/13 15:15

Client ID: G1_COMP-08S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1800	500	10
Atrazine	ND		ug/kg	1400	410	10
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1800	300	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	8		0-136
4-Terphenyl-d14	85		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	44.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	220	52.
2,4-Dinitrophenol	ND		ug/kg	770	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	34.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	44.
Atrazine	ND		ug/kg	130	36.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Acenaphthene	90		101		31-137	12		50
1,2,4-Trichlorobenzene	72		88		38-107	20		50
Hexachlorobenzene	106		110		40-140	4		50
Bis(2-chloroethyl)ether	66		84		40-140	24		50
2-Chloronaphthalene	89		105		40-140	16		50
1,2-Dichlorobenzene	66		84		40-140	24		50
1,3-Dichlorobenzene	64		84		40-140	27		50
1,4-Dichlorobenzene	64		84		28-104	27		50
3,3'-Dichlorobenzidine	91		81		40-140	12		50
2,4-Dinitrotoluene	**109**	Q	**115**	Q	28-89	5		50
2,6-Dinitrotoluene	108		116		40-140	7		50
Fluoranthene	106		111		40-140	5		50
4-Chlorophenyl phenyl ether	98		106		40-140	8		50
4-Bromophenyl phenyl ether	107		112		40-140	5		50
Bis(2-chloroisopropyl)ether	66		83		40-140	23		50
Bis(2-chloroethoxy)methane	74		91		40-117	21		50
Hexachlorobutadiene	71		87		40-140	20		50
Hexachlorocyclopentadiene	**27**	Q	**39**	Q	40-140	36		50
Hexachloroethane	58		77		40-140	28		50
Isophorone	80		98		40-140	20		50
Naphthalene	73		89		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Nitrobenzene	70		87		40-140	22		50
NitrosoDiPhenylAmine(NDPA)/DPA	107		111			4		50
n-Nitrosodi-n-propylamine	73		90		32-121	21		50
Bis(2-Ethylhexyl)phthalate	114		115		40-140	1		50
Butyl benzyl phthalate	109		114		40-140	4		50
Di-n-butylphthalate	106		110		40-140	4		50
Di-n-octylphthalate	122		125		40-140	2		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	98		104		40-140	6		50
Benzo(a)anthracene	105		108		40-140	3		50
Benzo(a)pyrene	110		112		40-140	2		50
Benzo(b)fluoranthene	110		114		40-140	4		50
Benzo(k)fluoranthene	104		107		40-140	3		50
Chrysene	105		109		40-140	4		50
Acenaphthylene	97		111		40-140	13		50
Anthracene	109		112		40-140	3		50
Benzo(ghi)perylene	101		105		40-140	4		50
Fluorene	100		108		40-140	8		50
Phenanthrene	101		105		40-140	4		50
Dibenzo(a,h)anthracene	105		109		40-140	4		50
Indeno(1,2,3-cd)Pyrene	107		111		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Pyrene	104		111		35-142	7		50
Biphenyl	85		98			14		50
4-Chloroaniline	56		51		40-140	9		50
2-Nitroaniline	115		124		47-134	8		50
3-Nitroaniline	83		78		26-129	6		50
4-Nitroaniline	96		99		41-125	3		50
Dibenzofuran	93		104		40-140	11		50
2-Methylnaphthalene	81		97		40-140	18		50
1,2,4,5-Tetrachlorobenzene	81		96		40-117	17		50
Acetophenone	79		98		14-144	21		50
2,4,6-Trichlorophenol	108		122		30-130	12		50
P-Chloro-M-Cresol	**108**	Q	**119**	Q	26-103	10		50
2-Chlorophenol	74		93		25-102	23		50
2,4-Dichlorophenol	91		108		30-130	17		50
2,4-Dimethylphenol	94		114		30-130	19		50
2-Nitrophenol	80		100		30-130	22		50
4-Nitrophenol	114		**119**	Q	11-114	4		50
2,4-Dinitrophenol	43		49		4-130	13		50
4,6-Dinitro-o-cresol	46		50		10-130	8		50
Pentachlorophenol	97		103		17-109	6		50
Phenol	74		90		26-90	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
2-Methylphenol	83		100		30-130.	19		50
3-Methylphenol/4-Methylphenol	86		102		30-130	17		50
2,4,5-Trichlorophenol	110		123		30-130	11		50
Benzoic Acid	51		58			13		50
Benzyl Alcohol	75		92		40-140	20		50
Carbazole	106		110		54-128	4		50
Benzaldehyde	63		83			27		50
Caprolactam	108		115			6		50
Atrazine	117		114			3		50
2,3,4,6-Tetrachlorophenol	112		118			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		88		25-120
Phenol-d6	78		92		10-120
Nitrobenzene-d5	71		86		23-120
2-Fluorobiphenyl	85		99		30-120
2,4,6-Tribromophenol	113		114		0-136
4-Terphenyl-d14	92		94		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 22:34		
Analyst:	JV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	200	J	ug/kg	2900	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		70-130
4-Bromofluorobenzene	79		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 01:32		
Analyst:	AR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	322000		ug/kg	37000	3620	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 00:44		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	264000		ug/kg	35700	3500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	98		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 00:35		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	91		70-130

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 01:15		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	148000		ug/kg	38000	3720	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 01:16		
Analyst:	JV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1800	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	95		70-130

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 01:46		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	402000		ug/kg	34600	3390	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	103		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 01:56		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2700	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	90		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03-06 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03-06 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-06 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 00:57	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	7.27	1	A
Aroclor 1221	ND		ug/kg	36.8	11.1	1	A
Aroclor 1232	ND		ug/kg	36.8	7.82	1	A
Aroclor 1242	ND		ug/kg	36.8	6.99	1	A
Aroclor 1248	ND		ug/kg	36.8	4.45	1	A
Aroclor 1254	24.9	J	ug/kg	36.8	5.80	1	B
Aroclor 1260	11.7	J	ug/kg	36.8	6.39	1	A
Aroclor 1262	ND		ug/kg	36.8	2.72	1	A
Aroclor 1268	ND		ug/kg	36.8	5.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 01:10	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	6.97	1	A
Aroclor 1221	ND		ug/kg	35.3	10.6	1	A
Aroclor 1232	ND		ug/kg	35.3	7.50	1	A
Aroclor 1242	ND		ug/kg	35.3	6.70	1	A
Aroclor 1248	ND		ug/kg	35.3	4.27	1	A
Aroclor 1254	ND		ug/kg	35.3	5.56	1	A
Aroclor 1260	21.3	J	ug/kg	35.3	6.13	1	A
Aroclor 1262	ND		ug/kg	35.3	2.61	1	A
Aroclor 1268	ND		ug/kg	35.3	5.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:59	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	7.68	1	A
Aroclor 1221	ND		ug/kg	38.9	11.7	1	A
Aroclor 1232	ND		ug/kg	38.9	8.26	1	A
Aroclor 1242	ND		ug/kg	38.9	7.38	1	A
Aroclor 1248	ND		ug/kg	38.9	4.70	1	A
Aroclor 1254	ND		ug/kg	38.9	6.13	1	A
Aroclor 1260	ND		ug/kg	38.9	6.74	1	A
Aroclor 1262	ND		ug/kg	38.9	2.87	1	A
Aroclor 1268	ND		ug/kg	38.9	5.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 01:34	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	6.96	1	A
Aroclor 1221	ND		ug/kg	35.2	10.6	1	A
Aroclor 1232	ND		ug/kg	35.2	7.48	1	A
Aroclor 1242	ND		ug/kg	35.2	6.68	1	A
Aroclor 1248	ND		ug/kg	35.2	4.26	1	A
Aroclor 1254	ND		ug/kg	35.2	5.55	1	A
Aroclor 1260	33.6	J	ug/kg	35.2	6.11	1	A
Aroclor 1262	ND		ug/kg	35.2	2.60	1	A
Aroclor 1268	ND		ug/kg	35.2	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318164

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 05:53
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/17/13 00:51
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04,06 Batch: WG636596-1						
Aroclor 1016	ND		ug/kg	33.2	6.56	A
Aroclor 1221	ND		ug/kg	33.2	10.0	A
Aroclor 1232	ND		ug/kg	33.2	7.05	A
Aroclor 1242	ND		ug/kg	33.2	6.30	A
Aroclor 1248	ND		ug/kg	33.2	4.02	A
Aroclor 1254	ND		ug/kg	33.2	5.23	A
Aroclor 1260	ND		ug/kg	33.2	5.76	A
Aroclor 1262	ND		ug/kg	33.2	2.46	A
Aroclor 1268	ND		ug/kg	33.2	4.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318164

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04,06 Batch: WG636596-2 WG636596-3									
Aroclor 1016	59		65		40-140	10		50	A
Aroclor 1260	51		52		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		74		30-150	A
Decachlorobiphenyl	61		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		75		30-150	B
Decachlorobiphenyl	65		65		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:24	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	22.7	1	A
2,4,5-T	ND		ug/kg	187	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	44		30-150	A
DCAA	36		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03 D	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:34	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.93	1.75	5	A
Lindane	ND		ug/kg	3.72	1.66	5	A
Alpha-BHC	ND		ug/kg	3.72	1.06	5	A
Beta-BHC	ND		ug/kg	8.93	3.38	5	A
Heptachlor	ND		ug/kg	4.46	2.00	5	A
Aldrin	ND		ug/kg	8.93	3.14	5	A
Heptachlor epoxide	ND		ug/kg	16.7	5.02	5	A
Endrin	ND		ug/kg	3.72	1.52	5	A
Endrin ketone	ND		ug/kg	8.93	2.30	5	A
Dieldrin	ND		ug/kg	5.58	2.79	5	A
4,4'-DDE	ND		ug/kg	8.93	2.06	5	A
4,4'-DDD	ND		ug/kg	8.93	3.18	5	A
4,4'-DDT	11.5	J	ug/kg	16.7	7.18	5	B
Endosulfan I	ND		ug/kg	8.93	2.11	5	A
Endosulfan II	ND		ug/kg	8.93	2.98	5	A
Endosulfan sulfate	ND		ug/kg	3.72	1.70	5	A
Methoxychlor	ND		ug/kg	16.7	5.21	5	A
Toxaphene	ND		ug/kg	167	46.9	5	A
cis-Chlordane	ND		ug/kg	11.2	3.11	5	A
trans-Chlordane	ND		ug/kg	11.2	2.94	5	A
Chlordane	ND		ug/kg	72.5	29.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:05	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.3	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.46	10	A
Lindane	ND		ug/kg	7.36	3.29	10	A
Alpha-BHC	ND		ug/kg	7.36	2.09	10	A
Beta-BHC	ND		ug/kg	17.6	6.69	10	A
Heptachlor	ND		ug/kg	8.83	3.96	10	A
Aldrin	ND		ug/kg	17.6	6.22	10	A
Heptachlor epoxide	ND		ug/kg	33.1	9.93	10	A
Endrin	ND		ug/kg	7.36	3.02	10	A
Endrin ketone	ND		ug/kg	17.6	4.55	10	A
Dieldrin	ND		ug/kg	11.0	5.52	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.30	10	A
4,4'-DDT	ND		ug/kg	33.1	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.17	10	A
Endosulfan II	ND		ug/kg	17.6	5.90	10	A
Endosulfan sulfate	ND		ug/kg	7.36	3.36	10	A
Methoxychlor	ND		ug/kg	33.1	10.3	10	A
Toxaphene	ND		ug/kg	331	92.7	10	A
cis-Chlordane	ND		ug/kg	22.1	6.15	10	A
trans-Chlordane	ND		ug/kg	22.1	5.83	10	A
Chlordane	ND		ug/kg	143	58.5	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	**184**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 18:43	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	23.5	1	A
2,4,5-T	ND		ug/kg	193	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05 D	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:46	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.27	1.81	5	A
Lindane	ND		ug/kg	3.86	1.72	5	A
Alpha-BHC	ND		ug/kg	3.86	1.10	5	A
Beta-BHC	ND		ug/kg	9.27	3.51	5	A
Heptachlor	ND		ug/kg	4.63	2.08	5	A
Aldrin	ND		ug/kg	9.27	3.26	5	A
Heptachlor epoxide	ND		ug/kg	17.4	5.21	5	A
Endrin	ND		ug/kg	3.86	1.58	5	A
Endrin ketone	ND		ug/kg	9.27	2.39	5	A
Dieldrin	ND		ug/kg	5.79	2.90	5	A
4,4'-DDE	ND		ug/kg	9.27	2.14	5	A
4,4'-DDD	ND		ug/kg	9.27	3.30	5	A
4,4'-DDT	ND		ug/kg	17.4	7.45	5	A
Endosulfan I	ND		ug/kg	9.27	2.19	5	A
Endosulfan II	ND		ug/kg	9.27	3.10	5	A
Endosulfan sulfate	ND		ug/kg	3.86	1.76	5	A
Methoxychlor	ND		ug/kg	17.4	5.40	5	A
Toxaphene	ND		ug/kg	174	48.6	5	A
cis-Chlordane	ND		ug/kg	11.6	3.23	5	A
trans-Chlordane	ND		ug/kg	11.6	3.06	5	A
Chlordane	ND		ug/kg	75.3	30.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	123		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:03	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	21.9	1	A
2,4,5-T	ND		ug/kg	180	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06 D	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:55	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.5	3.23	10	A
Lindane	ND		ug/kg	6.88	3.07	10	A
Alpha-BHC	ND		ug/kg	6.88	1.95	10	A
Beta-BHC	ND		ug/kg	16.5	6.26	10	A
Heptachlor	ND		ug/kg	8.25	3.70	10	A
Aldrin	ND		ug/kg	16.5	5.81	10	A
Heptachlor epoxide	ND		ug/kg	30.9	9.28	10	A
Endrin	ND		ug/kg	6.88	2.82	10	A
Endrin ketone	ND		ug/kg	16.5	4.25	10	A
Dieldrin	ND		ug/kg	10.3	5.16	10	A
4,4'-DDE	ND		ug/kg	16.5	3.82	10	A
4,4'-DDD	ND		ug/kg	16.5	5.89	10	A
4,4'-DDT	ND		ug/kg	30.9	13.3	10	A
Endosulfan I	ND		ug/kg	16.5	3.90	10	A
Endosulfan II	ND		ug/kg	16.5	5.52	10	A
Endosulfan sulfate	ND		ug/kg	6.88	3.14	10	A
Methoxychlor	ND		ug/kg	30.9	9.63	10	A
Toxaphene	ND		ug/kg	309	86.6	10	A
cis-Chlordane	ND		ug/kg	20.6	5.75	10	A
trans-Chlordane	ND		ug/kg	20.6	5.45	10	A
Chlordane	ND		ug/kg	134	54.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-06 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/13 16:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/16/13 21:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-06 Batch: WG636563-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.298	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	149		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636563-2 WG636563-3									
Delta-BHC	70		79		30-150	12		30	A
Lindane	69		78		30-150	12		30	A
Alpha-BHC	65		75		30-150	14		30	A
Beta-BHC	72		79		30-150	9		30	A
Heptachlor	70		81		30-150	15		30	A
Aldrin	69		81		30-150	16		30	A
Heptachlor epoxide	63		74		30-150	16		30	A
Endrin	75		89		30-150	17		30	A
Endrin ketone	65		76		30-150	16		30	A
Dieldrin	66		79		30-150	18		30	A
4,4'-DDE	64		76		30-150	17		30	A
4,4'-DDD	66		79		30-150	18		30	A
4,4'-DDT	68		80		30-150	16		30	A
Endosulfan I	66		78		30-150	17		30	A
Endosulfan II	59		70		30-150	17		30	A
Endosulfan sulfate	63		74		30-150	16		30	A
Methoxychlor	68		80		30-150	16		30	A
cis-Chlordane	65		77		30-150	17		30	A
trans-Chlordane	66		79		30-150	18		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636563-2 WG636563-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		85		30-150	A
Decachlorobiphenyl	94		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	B
Decachlorobiphenyl	131		143		30-150	B

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Barium, TCLP	0.55		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:51	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3500		mg/kg	8.8	1.8	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Antimony, Total	1.2	J	mg/kg	4.4	0.70	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Arsenic, Total	18		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Barium, Total	120		mg/kg	0.88	0.26	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Beryllium, Total	0.21	J	mg/kg	0.44	0.09	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Cadmium, Total	0.66	J	mg/kg	0.88	0.06	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Calcium, Total	18000		mg/kg	8.8	2.6	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Chromium, Total	8.4		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Cobalt, Total	5.0		mg/kg	1.8	0.44	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Copper, Total	150		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.4	1.8	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Lead, Total	330		mg/kg	4.4	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Magnesium, Total	1400		mg/kg	8.8	0.88	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Mercury, Total	1.2		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:29	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Potassium, Total	570		mg/kg	220	35.	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Selenium, Total	2.6		mg/kg	1.8	0.26	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	180	26.	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Vanadium, Total	13		mg/kg	0.88	0.09	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Zinc, Total	130		mg/kg	4.4	0.62	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Barium, TCLP	0.71		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Chromium, TCLP	0.02	J	mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Lead, TCLP	0.07	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:53	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	8.3	1.7	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Arsenic, Total	6.3		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Barium, Total	200		mg/kg	0.83	0.25	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Beryllium, Total	4.2		mg/kg	0.42	0.08	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Cadmium, Total	1.5		mg/kg	0.83	0.06	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Calcium, Total	34000		mg/kg	8.3	2.5	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Chromium, Total	54		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Cobalt, Total	56		mg/kg	1.7	0.42	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Copper, Total	920		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Iron, Total	33000		mg/kg	4.2	1.7	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Lead, Total	810		mg/kg	4.2	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Magnesium, Total	11000		mg/kg	8.3	0.83	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Manganese, Total	440		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Mercury, Total	1.4		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:31	EPA 7471B	1,7471B	MC
Nickel, Total	92		mg/kg	2.1	0.33	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Potassium, Total	820		mg/kg	210	33.	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Selenium, Total	0.49	J	mg/kg	1.7	0.25	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Silver, Total	0.32	J	mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Sodium, Total	710		mg/kg	170	25.	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.33	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.83	0.08	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Zinc, Total	5400		mg/kg	21	2.9	10	09/17/13 14:42	09/19/13 18:47	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Barium, TCLP	0.22	J	mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Lead, TCLP	0.41	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:55	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05
Client ID: G1_COMP-08D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/13/13 15:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6500		mg/kg	9.3	1.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Arsenic, Total	30		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Barium, Total	110		mg/kg	0.93	0.28	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Beryllium, Total	1.0		mg/kg	0.46	0.09	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Cadmium, Total	1.6		mg/kg	0.93	0.07	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Calcium, Total	13000		mg/kg	9.3	2.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Cobalt, Total	10		mg/kg	1.8	0.46	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Copper, Total	310		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Iron, Total	28000		mg/kg	4.6	1.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Lead, Total	380		mg/kg	4.6	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Magnesium, Total	1200		mg/kg	9.3	0.93	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Manganese, Total	120		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Mercury, Total	1.5		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:32	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.3	0.37	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Potassium, Total	860		mg/kg	230	37.	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Selenium, Total	2.4		mg/kg	1.8	0.28	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Silver, Total	0.21	J	mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Sodium, Total	550		mg/kg	180	28.	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.93	0.09	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Zinc, Total	220		mg/kg	4.6	0.65	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Barium, TCLP	0.41	J	mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Lead, TCLP	0.20	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:56	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8400		mg/kg	8.5	1.7	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.68	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Barium, Total	340		mg/kg	0.85	0.25	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Beryllium, Total	4.0		mg/kg	0.42	0.09	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.85	0.06	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Calcium, Total	48000		mg/kg	8.5	2.5	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Chromium, Total	54		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Cobalt, Total	29		mg/kg	1.7	0.42	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Copper, Total	440		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.2	1.7	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Lead, Total	680		mg/kg	4.2	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Magnesium, Total	14000		mg/kg	8.5	0.85	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Mercury, Total	0.22		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 11:34	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.1	0.34	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Potassium, Total	1300		mg/kg	210	34.	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Selenium, Total	0.69	J	mg/kg	1.7	0.25	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Sodium, Total	560		mg/kg	170	25.	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Vanadium, Total	24		mg/kg	0.85	0.09	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Zinc, Total	2500		mg/kg	21	3.0	10	09/17/13 14:42	09/19/13 19:06	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-06 Batch: WG636801-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Calcium, Total	2.4	J	mg/kg	4.0	1.2	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-06 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-06 Batch: WG637118-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-06 Batch: WG637435-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 10:56	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG636801-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	109		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	92		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	100		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	108		-		66-134	-		
Sodium, Total	103		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG636801-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 Batch: WG637118-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	104	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG637435-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample												
Aluminum, Total	4200	164	5000	**489**	Q	5100	**524**	Q	75-125	2		35
Antimony, Total	ND	40.9	37	90		39	91		75-125	5		35
Arsenic, Total	0.95	9.82	11	102		11	97		75-125	0		35
Barium, Total	8.4	164	170	99		180	100		75-125	6		35
Beryllium, Total	0.18J	4.09	4.2	103		4.4	102		75-125	5		35
Cadmium, Total	0.29J	4.17	4.2	101		4.5	103		75-125	7		35
Calcium, Total	620	818	4500	**474**	Q	1900	**149**	Q	75-125	**81**	Q	35
Chromium, Total	9.4	16.4	24	89		29	114		75-125	19		35
Cobalt, Total	2.1	40.9	40	93		43	95		75-125	7		35
Copper, Total	7.7	20.4	29	104		29	99		75-125	0		35
Iron, Total	9400	81.8	9100	**0**	Q	10000	**698**	Q	75-125	9		35
Lead, Total	3.5J	41.7	44	105		46	105		75-125	4		35
Magnesium, Total	680	818	1600	112		1600	107		75-125	0		35
Manganese, Total	59.	40.9	120	**149**	Q	100	95		75-125	18		35
Nickel, Total	5.5	40.9	44	94		46	94		75-125	4		35
Potassium, Total	190J	818	1000	122		1000	116		75-125	0		35
Selenium, Total	ND	9.82	9.9	101		10	97		75-125	1		35
Silver, Total	ND	24.5	24	98		25	97		75-125	4		35
Sodium, Total	140J	818	1600	**196**	Q	1300	**151**	Q	75-125	21		35
Thallium, Total	ND	9.82	8.4	86		9.0	87		75-125	7		35
Vanadium, Total	11.	40.9	51	98		56	105		75-125	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample										
Zinc, Total	11.	40.9	52	100		52	95	75-125	0	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0246	98		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637118-4 QC Sample: L1318152-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.14J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.53	104		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.0	100		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637435-4 QC Sample: L1318157-06 Client ID: MS Sample										
Mercury, Total	0.06J	0.16	0.26	**162**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637118-3 QC Sample: L1318152-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.14J	0.14J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	0.02J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637435-3 QC Sample: L1318157-06 Client ID: DUP Sample						
Mercury, Total	0.06J	0.09	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-01
Client ID: G1_SB-07A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-02
Client ID: G1_SB-07A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	8.4		mg/kg	0.92	0.92	1	-	09/20/13 10:52	107,-	JO
Solids, Total	86.9		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:45	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	09/16/13 22:00	09/18/13 00:28	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	54		mg/kg	0.89	0.89	1	-	09/20/13 10:52	107,-	JO
Solids, Total	90.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:49	1,9010C/9012A	JO
pH (H)	8.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 22:00	09/18/13 00:29	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:43	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05
Client ID: G1_COMP-08D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.94	0.94	1	-	09/20/13 10:52	107,-	JO
Solids, Total	85.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/17/13 11:20	09/18/13 14:50	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 22:00	09/18/13 00:29	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:43	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	54		mg/kg	0.88	0.88	1	-	09/20/13 10:52	107,-	JO
Solids, Total	91.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/17/13 11:20	09/18/13 14:51	1,9010C/9012A	JO
pH (H)	11.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 22:00	09/18/13 00:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:52	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:44	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-07
Client ID: G1_SB-08A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-08
Client ID: G1_SB-08A_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: DUP Sample						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:33

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-01A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-01X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-01Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-01Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-02X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-03A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-03B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-03C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-03X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-04A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-04B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-04C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-05A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-05B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-05C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-05X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-06A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-06B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-06C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-06X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-07A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-07X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-07Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-07Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-08X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-09A	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1318164-09B	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318164

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St. 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170 229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013 9603

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 9/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (+ 10 Metals, Total CN, Hex Chrom, TCLP ROP & metals, RCRA char)	SVOC (+ 8 PEST, Herb, TPH DRO)	4PH GRO	VOC	Sample Specific Comments	Total # Bottles
18164.1	GI_SB-07A_(3.5-4)	9/13/13	13:45	SOIL	NB	X	X				4
2	GI-SB-07A_(9-9.5)		13:55		NB	X	X				4
3	GI_COMP-07D_5-10		14:10		NB	X	X	X			3
4	GI_COMP-07S_0-5		14:05		NB	X	X	X			3
5	GI_COMP-08D_5-10		15:20		NB	X	X	X			3
6	GI_COMP-08S_0-5		15:15		NB	X	X	X			3
7	GI_SB-08A_(9-9.5)		1500		NB	X	X				4
8	GI_SB-08A_(4.5-5)		14:55		NB	X	X				4
9	TRIP BLANK							X			2

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type													
Preservative													

COOLER C

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
[illegible]	9/14/13 00:20	[illegible]	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318166
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/24/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318166-01	CSO_SB-02B_5-5.5	BROOKLYN, NY	09/14/13 09:40
L1318166-02	CSO_COMP-02_0-10	BROOKLYN, NY	09/14/13 10:00
L1318166-03	CSO_COMP-03_0-10	BROOKLYN, NY	09/14/13 11:00
L1318166-04	CSO_SB-03A_8.5-9	BROOKLYN, NY	09/14/13 10:50
L1318166-05	CSO_COMP-04_0-10	BROOKLYN, NY	09/14/13 11:55
L1318166-06	TB01_091413	BROOKLYN, NY	09/14/13 00:00
L1318166-07	CSO_SB-04B_6.5-7.0	BROOKLYN, NY	09/14/13 11:45

Project Name: GREENPOINT LANDING **Lab Number:** L1318166
Project Number: 170229002 **Report Date:** 09/24/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1318166-02 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Organochlorine Pesticides

L1318166-02 and -03 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318166-02, -03 and -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318166-02, -03 and -05, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 09/24/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-01	Date Collected:	09/14/13 09:40
Client ID:	CSO_SB-02B_5-5.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 15:51		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.50	1
Bromoform	ND		ug/kg	4.4	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-01 Date Collected: 09/14/13 09:40

Client ID: CSO_SB-02B_5-5.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	3.6	J	ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.4	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.61	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.86	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	1.7	J	ug/kg	5.4	0.84	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
Methyl Acetate	ND		ug/kg	22	0.83	1
Cyclohexane	ND		ug/kg	22	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-01	Date Collected:	09/14/13 09:40
Client ID:	CSO_SB-02B_5-5.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.4	0.17	1
p-Ethyltoluene	ND		ug/kg	4.4	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.49	1
Methyl cyclohexane	ND		ug/kg	4.4	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-04	Date Collected:	09/14/13 10:50
Client ID:	CSO_SB-03A_8.5-9	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 22:32		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.42	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-04 Date Collected: 09/14/13 10:50

Client ID: CSO_SB-03A_8.5-9 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.40	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	8.5	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.69	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.97	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.97	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
Methyl Acetate	ND		ug/kg	24	0.94	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-04	Date Collected:	09/14/13 10:50
Client ID:	CSO_SB-03A_8.5-9	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.34	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.55	1
Methyl cyclohexane	ND		ug/kg	4.9	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-06	Date Collected:	09/14/13 00:00
Client ID:	TB01_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:29		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-06 Date Collected: 09/14/13 00:00

Client ID: TB01_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-06	Date Collected:	09/14/13 00:00
Client ID:	TB01_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-07	Date Collected:	09/14/13 11:45
Client ID:	CSO_SB-04B_6.5-7.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 23:00		
Analyst:	PP		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.7	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.7	0.61	1
Bromoform	ND		ug/kg	5.4	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.23	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	0.39	J	ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-07 Date Collected: 09/14/13 11:45

Client ID: CSO_SB-04B_6.5-7.0 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.43	1
o-Xylene	ND		ug/kg	2.7	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	ND		ug/kg	13	4.2	1
Carbon disulfide	ND		ug/kg	13	2.7	1
2-Butanone	ND		ug/kg	13	0.48	1
Vinyl acetate	ND		ug/kg	13	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.7	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.43	1
Bromobenzene	ND		ug/kg	6.7	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.27	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.7	0.76	1
o-Chlorotoluene	ND		ug/kg	6.7	0.22	1
p-Chlorotoluene	ND		ug/kg	6.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.57	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.7	1.0	1
Acrylonitrile	ND		ug/kg	13	0.32	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.7	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.7	0.77	1
Methyl Acetate	ND		ug/kg	27	1.0	1
Cyclohexane	ND		ug/kg	27	1.4	1
1,4-Dioxane	ND		ug/kg	130	23.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-07	Date Collected:	09/14/13 11:45
Client ID:	CSO_SB-04B_6.5-7.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	27	0.37	1
p-Diethylbenzene	ND		ug/kg	5.4	0.22	1
p-Ethyltoluene	ND		ug/kg	5.4	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.18	1
Ethyl ether	ND		ug/kg	6.7	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	0.60	1
Methyl cyclohexane	ND		ug/kg	5.4	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
Freon-113	89		88		50-139	1		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
Freon-113	85		83		50-139	2		30
p-Diethylbenzene	94		94		70-130	0		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 21:36		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160	J	ug/kg	600	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	750	250	4
Hexachlorobenzene	ND		ug/kg	450	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	680	210	4
2-Chloronaphthalene	ND		ug/kg	750	240	4
1,2-Dichlorobenzene	ND		ug/kg	750	250	4
1,3-Dichlorobenzene	ND		ug/kg	750	240	4
1,4-Dichlorobenzene	ND		ug/kg	750	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	750	200	4
2,4-Dinitrotoluene	ND		ug/kg	750	160	4
2,6-Dinitrotoluene	ND		ug/kg	750	190	4
Fluoranthene	4000		ug/kg	450	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	750	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	750	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	900	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	810	230	4
Hexachlorobutadiene	ND		ug/kg	750	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	480	4
Hexachloroethane	ND		ug/kg	600	140	4
Isophorone	ND		ug/kg	680	200	4
Naphthalene	320	J	ug/kg	750	250	4
Nitrobenzene	ND		ug/kg	680	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	600	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	750	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	750	200	4
Butyl benzyl phthalate	ND		ug/kg	750	150	4
Di-n-butylphthalate	ND		ug/kg	750	140	4
Di-n-octylphthalate	ND		ug/kg	750	180	4
Diethyl phthalate	ND		ug/kg	750	160	4
Dimethyl phthalate	ND		ug/kg	750	190	4
Benzo(a)anthracene	2000		ug/kg	450	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02 D Date Collected: 09/14/13 10:00

Client ID: CSO_COMP-02_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2600		ug/kg	600	180	4
Benzo(b)fluoranthene	2800		ug/kg	450	150	4
Benzo(k)fluoranthene	1100		ug/kg	450	140	4
Chrysene	2200		ug/kg	450	150	4
Acenaphthylene	210	J	ug/kg	600	140	4
Anthracene	720		ug/kg	450	120	4
Benzo(ghi)perylene	1900		ug/kg	600	160	4
Fluorene	220	J	ug/kg	750	220	4
Phenanthrene	2500		ug/kg	450	150	4
Dibenzo(a,h)anthracene	440	J	ug/kg	450	140	4
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	600	170	4
Pyrene	3500		ug/kg	450	150	4
Biphenyl	ND		ug/kg	1700	250	4
4-Chloroaniline	ND		ug/kg	750	200	4
2-Nitroaniline	ND		ug/kg	750	210	4
3-Nitroaniline	ND		ug/kg	750	210	4
4-Nitroaniline	ND		ug/kg	750	200	4
Dibenzofuran	ND		ug/kg	750	250	4
2-Methylnaphthalene	ND		ug/kg	900	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	750	230	4
Acetophenone	ND		ug/kg	750	230	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
P-Chloro-M-Cresol	ND		ug/kg	750	220	4
2-Chlorophenol	ND		ug/kg	750	230	4
2,4-Dichlorophenol	ND		ug/kg	680	240	4
2,4-Dimethylphenol	ND		ug/kg	750	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	600	160	4
Phenol	ND		ug/kg	750	220	4
2-Methylphenol	ND		ug/kg	750	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	750	240	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	750	230	4
Carbazole	270	J	ug/kg	750	160	4
Benzaldehyde	ND		ug/kg	990	300	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02 D
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	750	210	4
Atrazine	ND		ug/kg	600	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	750	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	81		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:03		
Analyst:	PS		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100		ug/kg	180	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	72.	1
Hexachlorobenzene	ND		ug/kg	130	41.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	61.	1
2-Chloronaphthalene	ND		ug/kg	220	71.	1
1,2-Dichlorobenzene	ND		ug/kg	220	72.	1
1,3-Dichlorobenzene	ND		ug/kg	220	69.	1
1,4-Dichlorobenzene	ND		ug/kg	220	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	56.	1
Fluoranthene	7600		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	66.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	77.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	66.	1
Hexachlorobutadiene	ND		ug/kg	220	62.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	140	1
Hexachloroethane	ND		ug/kg	180	40.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	520		ug/kg	220	73.	1
Nitrobenzene	ND		ug/kg	200	52.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	65.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	57.	1
Butyl benzyl phthalate	ND		ug/kg	220	43.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	54.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1
Benzo(a)anthracene	3900		ug/kg	130	43.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03 Date Collected: 09/14/13 11:00

Client ID: CSO_COMP-03_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3500		ug/kg	180	54.	1
Benzo(b)fluoranthene	4100		ug/kg	130	44.	1
Benzo(k)fluoranthene	1700		ug/kg	130	42.	1
Chrysene	3500		ug/kg	130	43.	1
Acenaphthylene	430		ug/kg	180	41.	1
Anthracene	2900		ug/kg	130	36.	1
Benzo(ghi)perylene	1700		ug/kg	180	46.	1
Fluorene	1400		ug/kg	220	63.	1
Phenanthrene	7600		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	570		ug/kg	130	42.	1
Indeno(1,2,3-cd)Pyrene	2000		ug/kg	180	48.	1
Pyrene	6600		ug/kg	130	42.	1
Biphenyl	120	J	ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	58.	1
2-Nitroaniline	ND		ug/kg	220	62.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	860		ug/kg	220	73.	1
2-Methylnaphthalene	330		ug/kg	260	70.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	68.	1
Acetophenone	ND		ug/kg	220	68.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
P-Chloro-M-Cresol	ND		ug/kg	220	63.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
2,4-Dichlorophenol	ND		ug/kg	200	71.	1
2,4-Dimethylphenol	ND		ug/kg	220	65.	1
2-Nitrophenol	ND		ug/kg	470	68.	1
4-Nitrophenol	ND		ug/kg	310	71.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	80.	1
Pentachlorophenol	ND		ug/kg	180	47.	1
Phenol	ND		ug/kg	220	65.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	72.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	71.	1
Benzoic Acid	ND		ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	1200		ug/kg	220	47.	1
Benzaldehyde	ND		ug/kg	290	88.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	60.	1
Atrazine	ND		ug/kg	180	50.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	92		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:31		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	72	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	1200		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	100	J	ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	40	J	ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	510		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05 Date Collected: 09/14/13 11:55

Client ID: CSO_COMP-04_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	560		ug/kg	160	48.	1
Benzo(b)fluoranthene	650		ug/kg	120	40.	1
Benzo(k)fluoranthene	240		ug/kg	120	37.	1
Chrysene	550		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	260		ug/kg	120	32.	1
Benzo(ghi)perylene	410		ug/kg	160	41.	1
Fluorene	90	J	ug/kg	200	56.	1
Phenanthrene	990		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	110	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	390		ug/kg	160	43.	1
Pyrene	1100		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	86	J	ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	97	J	ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	107		0-136
4-Terphenyl-d14	99		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 02:37		
Analyst:	JV		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 18:19		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1850000		ug/kg	182000	17800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 02:48		
Analyst:	AR		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	317000		ug/kg	43400	4250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 03:18		
Analyst:	JV		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	3400	65.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	93		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 04:21		
Analyst:	AR		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	74500		ug/kg	37600	3680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	106		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 03:58		
Analyst:	JV		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1300	J	ug/kg	3000	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	102		70-130
4-Bromofluorobenzene	95		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02-03,05 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02-03,05 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: MS Sample												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: DUP Sample					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:22	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	7.36	1	A
Aroclor 1221	ND		ug/kg	37.2	11.2	1	A
Aroclor 1232	ND		ug/kg	37.2	7.91	1	A
Aroclor 1242	ND		ug/kg	37.2	7.07	1	A
Aroclor 1248	24.6	J	ug/kg	37.2	4.51	1	B
Aroclor 1254	23.1	J	ug/kg	37.2	5.87	1	B
Aroclor 1260	28.3	J	ug/kg	37.2	6.46	1	B
Aroclor 1262	ND		ug/kg	37.2	2.75	1	A
Aroclor 1268	ND		ug/kg	37.2	5.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:35	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	74%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.5	8.59	1	A
Aroclor 1221	ND		ug/kg	43.5	13.1	1	A
Aroclor 1232	ND		ug/kg	43.5	9.24	1	A
Aroclor 1242	ND		ug/kg	43.5	8.25	1	A
Aroclor 1248	ND		ug/kg	43.5	5.26	1	A
Aroclor 1254	ND		ug/kg	43.5	6.85	1	A
Aroclor 1260	ND		ug/kg	43.5	7.55	1	A
Aroclor 1262	ND		ug/kg	43.5	3.22	1	A
Aroclor 1268	ND		ug/kg	43.5	6.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:48	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	7.52	1	A
Aroclor 1221	ND		ug/kg	38.1	11.5	1	A
Aroclor 1232	ND		ug/kg	38.1	8.09	1	A
Aroclor 1242	ND		ug/kg	38.1	7.23	1	A
Aroclor 1248	ND		ug/kg	38.1	4.61	1	A
Aroclor 1254	ND		ug/kg	38.1	6.00	1	A
Aroclor 1260	ND		ug/kg	38.1	6.61	1	A
Aroclor 1262	ND		ug/kg	38.1	2.82	1	A
Aroclor 1268	ND		ug/kg	38.1	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318166

Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:23	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	22.7	1	A
2,4,5-T	ND		ug/kg	187	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	57		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 11:38	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.5	3.43	10	A
Lindane	ND		ug/kg	7.30	3.26	10	A
Alpha-BHC	ND		ug/kg	7.30	2.07	10	A
Beta-BHC	ND		ug/kg	17.5	6.64	10	A
Heptachlor	ND		ug/kg	8.76	3.93	10	A
Aldrin	ND		ug/kg	17.5	6.17	10	A
Heptachlor epoxide	ND		ug/kg	32.8	9.86	10	A
Endrin	ND		ug/kg	7.30	2.99	10	A
Endrin ketone	ND		ug/kg	17.5	4.51	10	A
Dieldrin	ND		ug/kg	11.0	5.48	10	A
4,4'-DDE	ND		ug/kg	17.5	4.05	10	A
4,4'-DDD	ND		ug/kg	17.5	6.25	10	A
4,4'-DDT	ND		ug/kg	32.8	14.1	10	A
Endosulfan I	ND		ug/kg	17.5	4.14	10	A
Endosulfan II	ND		ug/kg	17.5	5.86	10	A
Endosulfan sulfate	ND		ug/kg	7.30	3.34	10	A
Methoxychlor	ND		ug/kg	32.8	10.2	10	A
Toxaphene	ND		ug/kg	328	92.0	10	A
cis-Chlordane	ND		ug/kg	21.9	6.10	10	A
trans-Chlordane	ND		ug/kg	21.9	5.78	10	A
Chlordane	ND		ug/kg	142	58.0	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:43	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	221	26.9	1	A
2,4,5-T	ND		ug/kg	221	13.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	221	12.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	108		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03 D	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 11:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	20.9	4.09	10	A
Lindane	ND		ug/kg	8.71	3.89	10	A
Alpha-BHC	ND		ug/kg	8.71	2.47	10	A
Beta-BHC	ND		ug/kg	20.9	7.92	10	A
Heptachlor	ND		ug/kg	10.4	4.68	10	A
Aldrin	ND		ug/kg	20.9	7.36	10	A
Heptachlor epoxide	ND		ug/kg	39.2	11.8	10	A
Endrin	ND		ug/kg	8.71	3.57	10	A
Endrin ketone	ND		ug/kg	20.9	5.38	10	A
Dieldrin	ND		ug/kg	13.1	6.53	10	A
4,4'-DDE	ND		ug/kg	20.9	4.83	10	A
4,4'-DDD	ND		ug/kg	20.9	7.45	10	A
4,4'-DDT	ND		ug/kg	39.2	16.8	10	A
Endosulfan I	ND		ug/kg	20.9	4.94	10	A
Endosulfan II	ND		ug/kg	20.9	6.98	10	A
Endosulfan sulfate	ND		ug/kg	8.71	3.98	10	A
Methoxychlor	ND		ug/kg	39.2	12.2	10	A
Toxaphene	ND		ug/kg	392	110.	10	A
cis-Chlordane	ND		ug/kg	26.1	7.28	10	A
trans-Chlordane	ND		ug/kg	26.1	6.90	10	A
Chlordane	ND		ug/kg	170	69.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	145		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**411**	Q	30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 12:04	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.428	1	A
4,4'-DDD	ND		ug/kg	1.85	0.660	1	A
4,4'-DDT	3.88		ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.352	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.71	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.610	1	A
Chlordane	ND		ug/kg	15.0	6.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:03	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	24.0	1	A
2,4,5-T	ND		ug/kg	198	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	10.9	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 12:17
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/19/13 14:36
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG637490-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.596	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.884	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.982	0.491	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.525	A
Endosulfan sulfate	ND		ug/kg	0.654	0.299	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.25	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.8	5.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637490-2 WG637490-3									
Delta-BHC	95		98		30-150	3		30	A
Lindane	83		88		30-150	6		30	A
Alpha-BHC	83		84		30-150	1		30	A
Beta-BHC	80		86		30-150	7		30	A
Heptachlor	89		95		30-150	7		30	A
Aldrin	88		94		30-150	7		30	A
Heptachlor epoxide	82		93		30-150	13		30	A
Endrin	99		100		30-150	1		30	A
Endrin ketone	95		93		30-150	2		30	A
Dieldrin	92		96		30-150	4		30	A
4,4'-DDE	86		89		30-150	3		30	A
4,4'-DDD	94		94		30-150	0		30	A
4,4'-DDT	93		87		30-150	7		30	A
Endosulfan I	92		97		30-150	5		30	A
Endosulfan II	100		77		30-150	26		30	A
Endosulfan sulfate	104		102		30-150	2		30	A
Methoxychlor	82		84		30-150	2		30	A
cis-Chlordane	85		84		30-150	1		30	A
trans-Chlordane	88		90		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318166

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637490-2 WG637490-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	A
Decachlorobiphenyl	93		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		65		30-150	B
Decachlorobiphenyl	102		104		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Barium, TCLP	0.60		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Lead, TCLP	0.18	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:55	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8700		mg/kg	8.9	1.8	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.71	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.89	0.27	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Beryllium, Total	0.87		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Cadmium, Total	0.87	J	mg/kg	0.89	0.06	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Calcium, Total	28000		mg/kg	8.9	2.7	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Chromium, Total	25		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Cobalt, Total	12		mg/kg	1.8	0.44	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Copper, Total	230		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Iron, Total	22000		mg/kg	4.4	1.8	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Lead, Total	360		mg/kg	4.4	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Magnesium, Total	6700		mg/kg	8.9	0.89	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Mercury, Total	0.45		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:26	EPA 7471B	1,7471B	MC
Nickel, Total	24		mg/kg	2.2	0.36	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Potassium, Total	1100		mg/kg	220	36.	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Selenium, Total	0.91	J	mg/kg	1.8	0.27	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Sodium, Total	320		mg/kg	180	27.	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Vanadium, Total	25		mg/kg	0.89	0.09	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Zinc, Total	700		mg/kg	4.4	0.62	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Barium, TCLP	0.64		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Lead, TCLP	3.6		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:57	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03
Client ID: CSO_COMP-03_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 09/14/13 11:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7000		mg/kg	10	2.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Antimony, Total	1.9	J	mg/kg	5.1	0.82	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Arsenic, Total	20		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Barium, Total	150		mg/kg	1.0	0.31	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Beryllium, Total	0.54		mg/kg	0.51	0.10	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Cadmium, Total	0.93	J	mg/kg	1.0	0.07	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Calcium, Total	26000		mg/kg	10	3.1	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Cobalt, Total	7.4		mg/kg	2.0	0.51	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Copper, Total	87		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Iron, Total	23000		mg/kg	5.1	2.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Lead, Total	920		mg/kg	5.1	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Magnesium, Total	3400		mg/kg	10	1.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Manganese, Total	490		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Mercury, Total	0.41		mg/kg	0.11	0.02	1	09/21/13 12:30	09/23/13 10:28	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.6	0.41	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	260	41.	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Selenium, Total	0.48	J	mg/kg	2.0	0.31	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	200	31.	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.41	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	1.0	0.10	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Zinc, Total	370		mg/kg	5.1	0.72	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Barium, TCLP	0.50		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Lead, TCLP	1.7		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:58	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05
Client ID: CSO_COMP-04_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 09/14/13 11:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9000		mg/kg	9.3	1.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Arsenic, Total	9.6		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.93	0.28	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Beryllium, Total	1.2		mg/kg	0.46	0.09	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Cadmium, Total	0.93		mg/kg	0.93	0.07	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Calcium, Total	31000		mg/kg	9.3	2.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Cobalt, Total	11		mg/kg	1.8	0.46	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Copper, Total	68		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.6	1.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Lead, Total	420		mg/kg	4.6	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Magnesium, Total	6800		mg/kg	9.3	0.93	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Manganese, Total	270		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Mercury, Total	0.23		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:29	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.3	0.37	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Potassium, Total	800		mg/kg	230	37.	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Selenium, Total	0.68	J	mg/kg	1.8	0.28	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Sodium, Total	240		mg/kg	180	28.	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.93	0.09	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Zinc, Total	290		mg/kg	4.6	0.65	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02-03,05 Batch: WG637383-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03,05 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Thallium, Total	ND	mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03,05 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02-03,05 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637383-2								
Arsenic, TCLP	108		-		75-125	-		20
Barium, TCLP	105		-		75-125	-		20
Cadmium, TCLP	106		-		75-125	-		20
Chromium, TCLP	105		-		75-125	-		20
Lead, TCLP	104		-		75-125	-		20
Selenium, TCLP	117		-		75-125	-		20
Silver, TCLP	108		-		75-125	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	78	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637383-4 QC Sample: L1318339-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.3	108		-	-		75-125	-		20
Barium, TCLP	0.34J	20	21	105		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.54	106		-	-		75-125	-		20
Chromium, TCLP	0.10J	2	2.2	110		-	-		75-125	-		20
Lead, TCLP	0.14J	5.1	5.4	106		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.4	117		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.54	108		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Aluminum, Total	1500	194	2700	**618**	Q	-	-	75-125	-	35
Antimony, Total	4.4J	48.5	52	107		-	-	75-125	-	35
Arsenic, Total	12.	11.6	23	86		-	-	75-125	-	35
Barium, Total	360	194	670	**154**	Q	-	-	75-125	-	35
Beryllium, Total	0.22J	4.85	5.1	105		-	-	75-125	-	35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-	75-125	-	35
Calcium, Total	620	971	4700	**419**	Q	-	-	75-125	-	35
Chromium, Total	14.	19.4	27	**62**	Q	-	-	75-125	-	35
Cobalt, Total	3.4	48.5	49	94		-	-	75-125	-	35
Copper, Total	130	24.3	120	**0**	Q	-	-	75-125	-	35
Iron, Total	5800	97.1	5200	**0**	Q	-	-	75-125	-	35
Lead, Total	420	49.5	280	**0**	Q	-	-	75-125	-	35
Magnesium, Total	290	971	1200	93		-	-	75-125	-	35
Manganese, Total	56.	48.5	110	107		-	-	75-125	-	35
Nickel, Total	15.	48.5	56	84		-	-	75-125	-	35
Potassium, Total	220J	971	1300	**134**	Q	-	-	75-125	-	35
Selenium, Total	6.1	11.6	16	84		-	-	75-125	-	35
Silver, Total	0.26J	29.1	28	96		-	-	75-125	-	35
Sodium, Total	120J	971	1200	124		-	-	75-125	-	35
Thallium, Total	ND	11.6	10	86		-	-	75-125	-	35
Vanadium, Total	8.1	48.5	54	94		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637383-3 QC Sample: L1318339-01 Client ID: DUP Sample						
Lead, TCLP	0.14J	0.15J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-01
Client ID: CSO_SB-02B_5-5.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:40
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	25		mg/kg	0.91	0.91	1	-	09/23/13 11:29	107,-	JO
Solids, Total	88.2		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:51	1,9010C/9012A	JO
pH (H)	10		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.91	0.20	1	09/16/13 22:00	09/18/13 00:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:07	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03
Client ID: CSO_COMP-03_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	1.1	1.1	1	-	09/23/13 11:29	107,-	JO
Solids, Total	74.0		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.31	1	09/18/13 10:00	09/18/13 15:20	1,9010C/9012A	JO
pH (H)	8.4		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.24	1	09/16/13 22:00	09/18/13 00:31	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:07	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-04
Client ID: CSO_SB-03A_8.5-9
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 10:50
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05
Client ID: CSO_COMP-04_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.95	0.95	1	-	09/23/13 11:29	107,-	JO
Solids, Total	83.9		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	09/18/13 10:00	09/18/13 15:21	1,9010C/9012A	JO
pH (H)	7.9		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.95	0.21	1	09/16/13 22:00	09/18/13 00:31	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-07
Client ID: CSO_SB-04B_6.5-7.0
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:45
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636888-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:06	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636890-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/17/13 23:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03,05 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636888-2								
Cyanide, Reactive	43		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636890-2								
Sulfide, Reactive	89		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03,05 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: CSO_COMP-02_0-10						
pH (H)	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636888-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636890-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-05,07 QC Batch ID: WG636931-1 QC Sample: L1318141-01 Client ID: DUP Sample						
Solids, Total	89.9	91.1	%	1		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:09

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-01A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-01X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-01Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-01Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-02A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-02B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-02C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-02X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-03A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-03B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-03C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-03X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-04A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-04X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-04Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-04Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-05A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-05B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-05C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-05X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-06A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1318166-06B	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1318166-07A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-07X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-07Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-07Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)

Container Comments

L1318166-02C

L1318166-03B

L1318166-03C

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318166
Project Number: 170229002 **Report Date:** 09/24/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil □Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.□

Massachusetts Department of Environmental Protection Certi□icate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: □EPA 200.8 □or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ □EPA 200.7 □or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni□ 245.1, □300.0 □or: Nitrate-N, Fluoride, Sul□ate□□ □EPA 353.2 □or: Nitrate-N, Nitrite-N□□ □SM4500NO3-F □or: Nitrate-N and Nitrite-N□□4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: □EPA 524.2 □or: Trihalomethanes, Volatile Organics□□□504.1 □or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane□, EPA 332. Microbiology Parameters: SM9215B□EN□. SUB. SM9223□ Colilert□T SM9223B□MF-SM9222D.□

*Non-Potable Water (*Inorganic Parameters:, □EPA 200.8 □or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□□EPA 200.7 □or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□□ 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, □EPA 350.1 □or: Ammonia-N□, LACHAT 10-107-06-1-B □or Ammonia-N, SM4500NO3-F, 353.2 □or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: □EPA 624 □or Volatile Halocarbons, Volatile Aromatics□,□608 □or: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs-Water□, □EPA 625 □or SVOC Acid E□tractables and SVOC Base/Neutral E□tractables□, 600/4-81-045-PCB-Oil. Microbiology Parameters: □Colilert□T SM9223B□ Enterolert-□T: SM9222D-MF.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H□B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H□B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.□

Solid & Chemical Materials □Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water □Organic Parameters: **EPA 524.2:** Di-isopropyl ether □DIPE□, Ethyl-t-butyl ether □ETBE□, Tert-amyl methyl ether □TAME□□.

Non-Potable Water □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.□

Solid & Chemical Materials □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.□

New Jersey Department of Environmental Protection Certi□icate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5□E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dio□ane by N□Modi□ied 8270, 8015B, N□EPH.□

Solid & Chemical Materials □Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/24/13 CW

Serial No:09241315 17

CHAIN OF CUSTODY

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Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318166

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR, 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 Parameters 2) Provide Category A data deliverables 3) Provide NYSDEC EDD

ANALYSIS

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Ta/Metals, Total CN, Hexchrom, TCLP RCRA 8 Metals, Cyanide	TS	SVOC, PCB, 8-Hr. Hers, TPH GRO	PART 375	VOC	TPH GRO				Sample Specific Comments	TOTAL # BOTTLES
	~~02-SB-4C (0-0.5)~~	~~9/14/13~~	~~9:14~~	~~Soil~~													
18166.1	CSO-SB-02B-(5-5.5)	9/14/13	9:40	Soil		X		X								CSO_SB-02B_5-5.5	4
2	CSO-COMP-02-0-10		10:00				X		X		X						3
3	CSO-COMP-03-0-10		11:00				X		X		X						3
4	CSO-SB-03A-(8.5-9)		10:50			X		X								CSO_SB-03A_8.5-9	4
5	CSO-COMP-04-0-10		11:55				X		X		X						3
	~~Trip Blank~~																
6	TRIP BLANK_091413		13:20	AQ							X					TB01_091413	2
7	CSO-SB-04B-(5.5-6)		11:45	Soil		X		X								CSO_SB-04B_6.5-7.5	4

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	1330 9/14/13	Abdul Matubar	9/14/13 13
Abdul Matubar	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318166

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St. 8th Floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR, 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 Parameters 2) Provide Category A data deliverables 3) Provide NYSDEC EDD

ANALYSIS: VOC; TAL Metals, Total CN, Hexavalent Chromium, TCLP RCRA 8 Metals, Cyanide; TS; SVOC, PCB, 8-Ox, TPH GRO; Part 375 Metals; VOC; TPH GRO

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hexavalent Chromium, TCLP RCRA 8 Metals, Cyanide	TS	SVOC, PCB, 8-Ox, TPH GRO	Part 375 Metals	VOC	TPH GRO	Sample Specific Comments	TOTAL # BOTTLES
	~~CS2-SB-4C (0-0.5)~~	~~9/14/13~~	~~9:14~~	~~Soil~~										
1866.1	CSO-SB-02B-(5-5.5)	9/14/13	9:40	Soil		X		X						4
2	CSO-COMP-02-0-10		10:00				X		X		X			3
3	CSO-COMP-03-0-10		11:00				X		X		X			3
4	CSO-SB-03A-(8.5-9)		10:50			X		X						4
5	CSO-COMP-04-0-10		11:55				X		X		X			3
	~~NB [illegible] Blank~~													
6	TRIP BLANK-091413		13:20	AQ						X				2
7	CSO-SB-04B-(5.5-6)		11:45	Soil		X		X						4

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	1330 9/14/13	Abdul Matubar	9/14/13 13
Abdul Matubar	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318167
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/24/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318167-01	CSO_COMP-05_0-10	BROOKLYN, NY	09/14/13 13:05
L1318167-02	CSO_SB-05A_7.5-8.0	BROOKLYN, NY	09/14/13 13:00
L1318167-03	CSO_SB-06A_3.5-4	BROOKLYN, NY	09/14/13 13:15
L1318167-04	CSO_COMP-06_0-10	BROOKLYN, NY	09/14/13 13:15
L1318167-05	TB02_091413	BROOKLYN, NY	09/14/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318167
Project Number: 170229002 **Report Date:** 09/24/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Organochlorine Pesticides

L1318167-01 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318167-01 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318167-01 and -04, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/24/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-02	Date Collected:	09/14/13 13:00
Client ID:	CSO_SB-05A_7.5-8.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 10:17		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.92	0.13	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.10	1
Bromodichloromethane	ND		ug/kg	0.92	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.16	1
Benzene	ND		ug/kg	0.92	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.92	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.92	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-02 Date Collected: 09/14/13 13:00

Client ID: CSO_SB-05A_7.5-8.0 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.14	1
Dibromomethane	ND		ug/kg	9.2	0.15	1
Styrene	ND		ug/kg	1.8	0.28	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.20	1
Acetone	6.5	J	ug/kg	9.2	2.9	1
Carbon disulfide	ND		ug/kg	9.2	1.8	1
2-Butanone	ND		ug/kg	9.2	0.33	1
Vinyl acetate	ND		ug/kg	9.2	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.21	1
2-Hexanone	ND		ug/kg	9.2	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.92	0.18	1
sec-Butylbenzene	ND		ug/kg	0.92	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.92	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.2	0.22	1
n-Propylbenzene	ND		ug/kg	0.92	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.70	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	92	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-02	Date Collected:	09/14/13 13:00
Client ID:	CSO_SB-05A_7.5-8.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.41	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-03	Date Collected:	09/14/13 13:15
Client ID:	CSO_SB-06A_3.5-4	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:01		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	640	130	1
1,1-Dichloroethane	ND		ug/kg	96	11.	1
Chloroform	ND		ug/kg	96	24.	1
Carbon tetrachloride	ND		ug/kg	64	13.	1
1,2-Dichloropropane	ND		ug/kg	220	15.	1
Dibromochloromethane	ND		ug/kg	64	20.	1
1,1,2-Trichloroethane	ND		ug/kg	96	19.	1
Tetrachloroethene	29	J	ug/kg	64	9.0	1
Chlorobenzene	ND		ug/kg	64	22.	1
Trichlorofluoromethane	ND		ug/kg	320	7.8	1
1,2-Dichloroethane	ND		ug/kg	64	9.3	1
1,1,1-Trichloroethane	ND		ug/kg	64	7.1	1
Bromodichloromethane	ND		ug/kg	64	15.	1
trans-1,3-Dichloropropene	ND		ug/kg	64	7.7	1
cis-1,3-Dichloropropene	ND		ug/kg	64	8.1	1
1,1-Dichloropropene	ND		ug/kg	320	29.	1
Bromoform	ND		ug/kg	260	26.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	64	11.	1
Benzene	ND		ug/kg	64	7.5	1
Toluene	27	J	ug/kg	96	7.2	1
Ethylbenzene	ND		ug/kg	64	9.4	1
Chloromethane	ND		ug/kg	320	50.	1
Bromomethane	ND		ug/kg	130	22.	1
Vinyl chloride	ND		ug/kg	130	9.0	1
Chloroethane	ND		ug/kg	130	20.	1
1,1-Dichloroethene	ND		ug/kg	64	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	96	14.	1
Trichloroethene	1500		ug/kg	64	9.7	1
1,2-Dichlorobenzene	ND		ug/kg	320	12.	1
1,3-Dichlorobenzene	ND		ug/kg	320	12.	1
1,4-Dichlorobenzene	ND		ug/kg	320	15.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-03 Date Collected: 09/14/13 13:15

Client ID: CSO_SB-06A_3.5-4 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	130	6.7	1
p/m-Xylene	24	J	ug/kg	130	21.	1
o-Xylene	ND		ug/kg	130	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	64	9.6	1
Dibromomethane	ND		ug/kg	640	10.	1
Styrene	ND		ug/kg	130	20.	1
Dichlorodifluoromethane	ND		ug/kg	640	14.	1
Acetone	ND		ug/kg	640	200	1
Carbon disulfide	ND		ug/kg	640	130	1
2-Butanone	ND		ug/kg	640	23.	1
Vinyl acetate	ND		ug/kg	640	31.	1
4-Methyl-2-pentanone	ND		ug/kg	640	16.	1
1,2,3-Trichloropropane	ND		ug/kg	640	14.	1
2-Hexanone	ND		ug/kg	640	12.	1
Bromochloromethane	ND		ug/kg	320	12.	1
2,2-Dichloropropane	ND		ug/kg	320	14.	1
1,2-Dibromoethane	ND		ug/kg	260	11.	1
1,3-Dichloropropane	ND		ug/kg	320	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	64	20.	1
Bromobenzene	ND		ug/kg	320	13.	1
n-Butylbenzene	ND		ug/kg	64	13.	1
sec-Butylbenzene	ND		ug/kg	64	13.	1
tert-Butylbenzene	ND		ug/kg	320	36.	1
o-Chlorotoluene	ND		ug/kg	320	10.	1
p-Chlorotoluene	ND		ug/kg	320	9.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	320	50.	1
Hexachlorobutadiene	ND		ug/kg	320	27.	1
Isopropylbenzene	ND		ug/kg	64	11.	1
p-Isopropyltoluene	ND		ug/kg	64	12.	1
Naphthalene	680		ug/kg	320	49.	1
Acrylonitrile	ND		ug/kg	640	15.	1
n-Propylbenzene	ND		ug/kg	64	8.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	320	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	320	50.	1
1,3,5-Trimethylbenzene	ND		ug/kg	320	9.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	320	37.	1
Methyl Acetate	ND		ug/kg	1300	49.	1
Cyclohexane	ND		ug/kg	1300	69.	1
1,4-Dioxane	ND		ug/kg	6400	1100	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-03	Date Collected:	09/14/13 13:15
Client ID:	CSO_SB-06A_3.5-4	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1300	17.	1
p-Diethylbenzene	ND		ug/kg	260	10.	1
p-Ethyltoluene	ND		ug/kg	260	7.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	260	8.3	1
Ethyl ether	ND		ug/kg	320	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	320	29.	1
Methyl cyclohexane	ND		ug/kg	260	81.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-05	Date Collected:	09/14/13 00:00
Client ID:	TB02_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:57		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-05 Date Collected: 09/14/13 00:00

Client ID: TB02_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-05	Date Collected:	09/14/13 00:00
Client ID:	TB02_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	118		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
Methylene chloride	86		91		70-130	6		30
1,1-Dichloroethane	91		97		70-130	6		30
Chloroform	92		97		70-130	5		30
Carbon tetrachloride	98		101		70-130	3		30
1,2-Dichloropropane	92		96		70-130	4		30
Dibromochloromethane	101		105		70-130	4		30
1,1,2-Trichloroethane	100		104		70-130	4		30
Tetrachloroethene	104		107		70-130	3		30
Chlorobenzene	101		104		70-130	3		30
Trichlorofluoromethane	105		111		70-139	6		30
1,2-Dichloroethane	92		94		70-130	2		30
1,1,1-Trichloroethane	94		98		70-130	4		30
Bromodichloromethane	92		95		70-130	3		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	94		98		70-130	4		30
Bromoform	103		105		70-130	2		30
1,1,2,2-Tetrachloroethane	99		102		70-130	3		30
Benzene	94		98		70-130	4		30
Toluene	101		104		70-130	3		30
Ethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
Chloromethane	88		101		52-130	14		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	100		107		67-130	7		30
Chloroethane	109		109		50-151	0		30
1,1-Dichloroethene	97		102		65-135	5		30
trans-1,2-Dichloroethene	94		100		70-130	6		30
Trichloroethene	94		98		70-130	4		30
1,2-Dichlorobenzene	102		106		70-130	4		30
1,3-Dichlorobenzene	103		107		70-130	4		30
1,4-Dichlorobenzene	102		106		70-130	4		30
Methyl tert butyl ether	90		94		66-130	4		30
p/m-Xylene	102		105		70-130	3		30
o-Xylene	102		105		70-130	3		30
cis-1,2-Dichloroethene	93		97		70-130	4		30
Dibromomethane	94		97		70-130	3		30
Styrene	103		107		70-130	4		30
Dichlorodifluoromethane	92		99		30-146	7		30
Acetone	90		80		54-140	12		30
Carbon disulfide	90		94		59-130	4		30
2-Butanone	112		102		70-130	9		30
Vinyl acetate	84		88		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
4-Methyl-2-pentanone	88		89		70-130	1		30
1,2,3-Trichloropropane	101		102		68-130	1		30
2-Hexanone	106		96		70-130	10		30
Bromochloromethane	96		100		70-130	4		30
2,2-Dichloropropane	96		99		70-130	3		30
1,2-Dibromoethane	101		104		70-130	3		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	102		106		70-130	4		30
Bromobenzene	100		104		70-130	4		30
n-Butylbenzene	102		105		70-130	3		30
sec-Butylbenzene	102		106		70-130	4		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	102		106		70-130	4		30
p-Chlorotoluene	100		104		70-130	4		30
1,2-Dibromo-3-chloropropane	97		100		68-130	3		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	100		103		70-130	3		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	94		100		70-130	6		30
Acrylonitrile	89		92		70-130	3		30
Isopropyl Ether	88		93		66-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	99		103		70-130	4		30
1,2,3-Trichlorobenzene	98		103		70-130	5		30
1,2,4-Trichlorobenzene	100		104		70-130	4		30
1,3,5-Trimethylbenzene	102		105		70-130	3		30
1,2,4-Trimethylbenzene	102		106		70-130	4		30
Methyl Acetate	90		92		51-146	2		30
Ethyl Acetate	89		90		70-130	1		30
Acrolein	91		93		70-130	2		30
Cyclohexane	92		95		59-142	3		30
1,4-Dioxane	84		88		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		102		50-139	5		30
1,4-Diethylbenzene	103		107		70-130	4		30
4-Ethyltoluene	101		105		70-130	4		30
1,2,4,5-Tetramethylbenzene	101		105		70-130	4		30
Tetrahydrofuran	88		87		66-130	1		30
Ethyl ether	86		91		67-130	6		30
trans-1,4-Dichloro-2-butene	98		99		70-130	1		30
Methyl cyclohexane	95		97		70-130	2		30
Ethyl-Tert-Butyl-Ether	90		95		70-130	5		30
Tertiary-Amyl Methyl Ether	94		97		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:59		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	820		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	6800		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	1000		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	3200		ug/kg	110	37.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01 Date Collected: 09/14/13 13:05

Client ID: CSO_COMP-05_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	150	46.	1
Benzo(b)fluoranthene	3900		ug/kg	110	38.	1
Benzo(k)fluoranthene	1500		ug/kg	110	36.	1
Chrysene	3100		ug/kg	110	37.	1
Acenaphthylene	640		ug/kg	150	35.	1
Anthracene	2000		ug/kg	110	31.	1
Benzo(ghi)perylene	2200		ug/kg	150	39.	1
Fluorene	890		ug/kg	190	54.	1
Phenanthrene	6100		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	610		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	2300		ug/kg	150	42.	1
Pyrene	5700		ug/kg	110	36.	1
Biphenyl	170	J	ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	780		ug/kg	190	62.	1
2-Methylnaphthalene	490		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	62	J	ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	770		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	76.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	89		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 23:27		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	1200		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	160	J	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	54	J	ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	740		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04 Date Collected: 09/14/13 13:15

Client ID: CSO_COMP-06_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	980		ug/kg	160	47.	1
Benzo(b)fluoranthene	1400		ug/kg	120	39.	1
Benzo(k)fluoranthene	470		ug/kg	120	37.	1
Chrysene	930		ug/kg	120	38.	1
Acenaphthylene	110	J	ug/kg	160	36.	1
Anthracene	220		ug/kg	120	32.	1
Benzo(ghi)perylene	830		ug/kg	160	40.	1
Fluorene	94	J	ug/kg	190	56.	1
Phenanthrene	890		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	230		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	820		ug/kg	160	43.	1
Pyrene	1200		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	110	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	82	J	ug/kg	190	42.	1
Benzaldehyde	ND		ug/kg	260	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	84		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/19/13 04:07		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	251000		ug/kg	37500	3680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 14:31		
Analyst:	GT		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	3000		ug/kg	2800	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	89		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 15:12		
Analyst:	GT		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	760	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	91		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04 D	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 16:15		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	234000		ug/kg	75500	7400	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01,04 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01,04 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318167

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,04 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:01	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	7.36	1	A
Aroclor 1221	ND		ug/kg	37.3	11.2	1	A
Aroclor 1232	ND		ug/kg	37.3	7.92	1	A
Aroclor 1242	ND		ug/kg	37.3	7.07	1	A
Aroclor 1248	ND		ug/kg	37.3	4.51	1	A
Aroclor 1254	ND		ug/kg	37.3	5.88	1	A
Aroclor 1260	ND		ug/kg	37.3	6.47	1	A
Aroclor 1262	ND		ug/kg	37.3	2.76	1	A
Aroclor 1268	ND		ug/kg	37.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:14	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	7.58	1	A
Aroclor 1221	ND		ug/kg	38.4	11.6	1	A
Aroclor 1232	ND		ug/kg	38.4	8.15	1	A
Aroclor 1242	ND		ug/kg	38.4	7.28	1	A
Aroclor 1248	ND		ug/kg	38.4	4.64	1	A
Aroclor 1254	ND		ug/kg	38.4	6.05	1	A
Aroclor 1260	ND		ug/kg	38.4	6.66	1	A
Aroclor 1262	ND		ug/kg	38.4	2.84	1	A
Aroclor 1268	ND		ug/kg	38.4	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318167

Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,04 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:23	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	23.7	1	A
2,4,5-T	ND		ug/kg	195	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01 D	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:00	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.45	10	A
Lindane	ND		ug/kg	7.35	3.28	10	A
Alpha-BHC	ND		ug/kg	7.35	2.09	10	A
Beta-BHC	ND		ug/kg	17.6	6.69	10	A
Heptachlor	ND		ug/kg	8.82	3.95	10	A
Aldrin	ND		ug/kg	17.6	6.21	10	A
Heptachlor epoxide	ND		ug/kg	33.1	9.92	10	A
Endrin	ND		ug/kg	7.35	3.01	10	A
Endrin ketone	ND		ug/kg	17.6	4.54	10	A
Dieldrin	ND		ug/kg	11.0	5.51	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.29	10	A
4,4'-DDT	ND		ug/kg	33.1	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.17	10	A
Endosulfan II	ND		ug/kg	17.6	5.89	10	A
Endosulfan sulfate	ND		ug/kg	7.35	3.36	10	A
Methoxychlor	ND		ug/kg	33.1	10.3	10	A
Toxaphene	ND		ug/kg	331	92.6	10	A
cis-Chlordane	ND		ug/kg	22.0	6.14	10	A
trans-Chlordane	ND		ug/kg	22.0	5.82	10	A
Chlordane	ND		ug/kg	143	58.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**335**	Q	30-150	A
Decachlorobiphenyl	**265**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	**195**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	23.3	1	A
2,4,5-T	ND		ug/kg	192	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04 D	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:12	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.9	3.50	10	A
Lindane	ND		ug/kg	7.44	3.33	10	A
Alpha-BHC	ND		ug/kg	7.44	2.11	10	A
Beta-BHC	ND		ug/kg	17.9	6.77	10	A
Heptachlor	ND		ug/kg	8.93	4.00	10	A
Aldrin	ND		ug/kg	17.9	6.29	10	A
Heptachlor epoxide	ND		ug/kg	33.5	10.0	10	A
Endrin	ND		ug/kg	7.44	3.05	10	A
Endrin ketone	ND		ug/kg	17.9	4.60	10	A
Dieldrin	ND		ug/kg	11.2	5.58	10	A
4,4'-DDE	ND		ug/kg	17.9	4.13	10	A
4,4'-DDD	ND		ug/kg	17.9	6.37	10	A
4,4'-DDT	22.3	J	ug/kg	33.5	14.4	10	B
Endosulfan I	ND		ug/kg	17.9	4.22	10	A
Endosulfan II	ND		ug/kg	17.9	5.97	10	A
Endosulfan sulfate	ND		ug/kg	7.44	3.40	10	A
Methoxychlor	ND		ug/kg	33.5	10.4	10	A
Toxaphene	ND		ug/kg	335	93.8	10	A
cis-Chlordane	ND		ug/kg	22.3	6.22	10	A
trans-Chlordane	ND		ug/kg	22.3	5.90	10	A
Chlordane	ND		ug/kg	145	59.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	125		30-150	A
Decachlorobiphenyl	**161**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	**381**	Q	30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,04 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.03	J	mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Barium, TCLP	0.59		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Lead, TCLP	0.62		mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:00	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318167
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01
Client ID: CSO_COMP-05_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 09/14/13 13:05
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8900		mg/kg	8.7	1.7	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.70	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Barium, Total	140		mg/kg	0.87	0.26	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Beryllium, Total	1.3		mg/kg	0.43	0.09	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Cadmium, Total	0.96		mg/kg	0.87	0.06	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Calcium, Total	28000		mg/kg	8.7	2.6	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Chromium, Total	28		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Cobalt, Total	16		mg/kg	1.7	0.43	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Copper, Total	210		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.3	1.7	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Lead, Total	610		mg/kg	4.3	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Magnesium, Total	10000		mg/kg	8.7	0.87	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Mercury, Total	0.49		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:31	EPA 7471B	1,7471B	MC
Nickel, Total	34		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Selenium, Total	0.41	J	mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Sodium, Total	690		mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Vanadium, Total	22		mg/kg	0.87	0.09	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Zinc, Total	1100		mg/kg	4.3	0.61	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Barium, TCLP	0.65		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Lead, TCLP	1.5		mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:02	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318167
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04
Client ID: CSO_COMP-06_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	8.8	1.8	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Arsenic, Total	7.8		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.88	0.26	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Beryllium, Total	1.5		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.88	0.06	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Calcium, Total	23000		mg/kg	8.8	2.6	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Chromium, Total	32		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Cobalt, Total	17		mg/kg	1.8	0.44	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Copper, Total	190		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Iron, Total	27000		mg/kg	4.4	1.8	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Lead, Total	310		mg/kg	4.4	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Magnesium, Total	8200		mg/kg	8.8	0.88	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Mercury, Total	0.50		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:37	EPA 7471B	1,7471B	MC
Nickel, Total	34		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Selenium, Total	0.40	J	mg/kg	1.8	0.26	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Sodium, Total	410		mg/kg	180	26.	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Vanadium, Total	25		mg/kg	0.88	0.09	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Zinc, Total	780		mg/kg	4.4	0.62	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG637446-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG637446-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	104	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637446-4 QC Sample: L1318167-01 Client ID: CSO_COMP-05_0-10										
Arsenic, TCLP	0.03J	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.59	20	21	102		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.1	105		-	-	75-125	-	20
Lead, TCLP	0.62	5.1	5.7	100		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637446-3 QC Sample: L1318167-01 Client ID: CSO_COMP-05_0-10					
Arsenic, TCLP	0.03J	0.05J	mg/l	NC	20
Barium, TCLP	0.59	0.57	mg/l	3	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.62	0.60	mg/l	3	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01
Client ID: CSO_COMP-05_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:05
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	28		mg/kg	0.91	0.91	1	-	09/23/13 11:29	107,-	JO
Solids, Total	87.5		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:22	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.91	0.20	1	09/16/13 17:50	09/17/13 22:39	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-02
Client ID: CSO_SB-05A_7.5-8.0
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-03
Client ID: CSO_SB-06A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04
Client ID: CSO_COMP-06_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	32		mg/kg	0.94	0.94	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/18/13 10:00	09/18/13 15:23	1,9010C/9012A	JO
pH (H)	8.1		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 17:50	09/17/13 22:39	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636888-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:06	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636890-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/17/13 23:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636888-2								
Cyanide, Reactive	43		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636890-2								
Sulfide, Reactive	89		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: DUP Sample						
pH	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: DUP Sample						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636888-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636890-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:09

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-01A	Vial Large Septa unpreserved	A	N/A	3.2	Y	Absent	TPH-GRO(14)
L1318167-01B	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-01C	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-01X	Plastic 250ml HNO3 preserved spl	A	<2	3.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318167-02A	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-02B	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-02C	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-02D	Plastic 2oz unpreserved for TS	A	N/A	3.2	Y	Absent	TS(7)
L1318167-02X	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-02Y	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-02Z	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03A	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03B	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03C	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03D	Plastic 2oz unpreserved for TS	A	N/A	3.2	Y	Absent	TS(7)
L1318167-03X	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03Y	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03Z	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-04A	Vial Large Septa unpreserved	A	N/A	3.2	Y	Absent	TPH-GRO(14)
L1318167-04B	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-04C	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-04X	Plastic 250ml HNO3 preserved spl	A	<2	3.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318167-05A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1318167-05B	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318167
Project Number: 170229002 **Report Date:** 09/24/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/24/13 CW

Serial_No:09241315:19

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318167

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St 8th Fl, New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5441

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use, SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC card

ANALYSIS

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest/Herb	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	Sample Specific Comments	Total # Bottles
1	CSO_COMP-05_0-10	9/13/13	1305	Soil			X		X X			3
2	CSO_SB-05A_(6.5-7)		1300			X		X			CSO_SB-05A-7.5-8.	4
3	CSO_SB-06A_(3.5-4)		1315			X		X			CSO_SB-06A_3.5_4	4
4	CSO-COMP-06-0-10		1315				X		X X			3
5	Trip Blank-091413									X	TB02_091413	2

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
Samantha Bell	1330, 9/14/13	Abdul Mahubey	9/14/13 13:30
Abdul Mahubey	9/14/13 17:35	[illegible]	9/14/13 17:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318167

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St 8th Fl, New York, NY 10001
Phone: 217-479-5400
Fax: 217-479-5441
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use, SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC card

ANALYSIS: VOC; Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest, Herb; 13 SVOC, PCB, Pest, Herb, TPH DRO; TPH GRO; VOC

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest, Herb	13 SVOC, PCB, Pest, Herb	TPH DRO	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
1	CSO_COMP-05_0-10	9/13/13	1305	Soil			X	X	X				3
2	CSO_SB-05A_(6.5-7)		1300			X		X					4
3	CSO_SB-06A_(3.5-4)		1315			X		X					4
4	CSO_COMP-06_0-10		1315				X	X	X				3
5	Trip Blank_091413									X			2

	Relinquished By:	Date/Time	Received By:	Date/Time
Container Type / Preservative	Samantha Bell	1330, 9/14/13	Abdul Mahdy	9/14/13 13:30
	Abdul Mahdy	9/14/13 17:35	[illegible]	9/14/13 17:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318168
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/25/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318168-01	G2_SB-04C_0-0.5	BROOKLYN, NY	09/14/13 08:15
L1318168-02	G2_SB-05B_2.5-3	BROOKLYN, NY	09/14/13 08:43
L1318168-03	CSO_SB-01A_0-0.5	BROOKLYN, NY	09/14/13 09:00
L1318168-04	G2_COMP-04_0-5	BROOKLYN, NY	09/14/13 08:15
L1318168-05	G2_COMP-05_0-5	BROOKLYN, NY	09/14/13 08:55
L1318168-06	CSO_COMP-01_0-10	BROOKLYN, NY	09/14/13 09:15
L1318168-07	TB03_091413	BROOKLYN, NY	09/14/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318168
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1318168-04 has elevated detection limits due to the dilution required by the sample matrix.

L1318168-05 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Pesticides

L1318168-04, -05, and -06 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318168-04, -05, and -06 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318168-04, -05, and -06, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration, no qualification of the results was performed.

Chromium, Hexavalent

The WG636545-5/-8 MS/MSD recoveries (60%/64%), performed on L1318168-04, are below the acceptance criteria; however, the associated LCS recovery is within criteria. This has been attributed to matrix interference.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-01	Date Collected:	09/14/13 08:15
Client ID:	G2_SB-04C_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	None
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:29		
Analyst:	BN		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	870	170	1
1,1-Dichloroethane	ND		ug/kg	130	15.	1
Chloroform	ND		ug/kg	130	32.	1
Carbon tetrachloride	ND		ug/kg	87	18.	1
1,2-Dichloropropane	ND		ug/kg	300	20.	1
Dibromochloromethane	ND		ug/kg	87	27.	1
1,1,2-Trichloroethane	ND		ug/kg	130	26.	1
Tetrachloroethene	ND		ug/kg	87	12.	1
Chlorobenzene	ND		ug/kg	87	30.	1
Trichlorofluoromethane	ND		ug/kg	440	10.	1
1,2-Dichloroethane	43	J	ug/kg	87	13.	1
1,1,1-Trichloroethane	ND		ug/kg	87	9.6	1
Bromodichloromethane	ND		ug/kg	87	20.	1
trans-1,3-Dichloropropene	ND		ug/kg	87	10.	1
cis-1,3-Dichloropropene	ND		ug/kg	87	11.	1
1,1-Dichloropropene	ND		ug/kg	440	40.	1
Bromoform	ND		ug/kg	350	36.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	87	15.	1
Benzene	3500		ug/kg	87	10.	1
Toluene	9700		ug/kg	130	9.7	1
Ethylbenzene	3000		ug/kg	87	13.	1
Chloromethane	ND		ug/kg	440	68.	1
Bromomethane	ND		ug/kg	170	29.	1
Vinyl chloride	ND		ug/kg	170	12.	1
Chloroethane	ND		ug/kg	170	28.	1
1,1-Dichloroethene	ND		ug/kg	87	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	18.	1
Trichloroethene	ND		ug/kg	87	13.	1
1,2-Dichlorobenzene	ND		ug/kg	440	16.	1
1,3-Dichlorobenzene	ND		ug/kg	440	16.	1
1,4-Dichlorobenzene	30	J	ug/kg	440	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-01 Date Collected: 09/14/13 08:15

Client ID: G2_SB-04C_0-0.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	170	9.1	1
p/m-Xylene	9900		ug/kg	170	28.	1
o-Xylene	2200		ug/kg	170	24.	1
cis-1,2-Dichloroethene	ND		ug/kg	87	13.	1
Dibromomethane	ND		ug/kg	870	14.	1
Styrene	ND		ug/kg	170	27.	1
Dichlorodifluoromethane	ND		ug/kg	870	19.	1
Acetone	310	J	ug/kg	870	270	1
Carbon disulfide	ND		ug/kg	870	170	1
2-Butanone	ND		ug/kg	870	31.	1
Vinyl acetate	ND		ug/kg	870	42.	1
4-Methyl-2-pentanone	ND		ug/kg	870	21.	1
1,2,3-Trichloropropane	45	J	ug/kg	870	20.	1
2-Hexanone	ND		ug/kg	870	16.	1
Bromochloromethane	ND		ug/kg	440	17.	1
2,2-Dichloropropane	ND		ug/kg	440	20.	1
1,2-Dibromoethane	ND		ug/kg	350	15.	1
1,3-Dichloropropane	ND		ug/kg	440	15.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	87	28.	1
Bromobenzene	ND		ug/kg	440	18.	1
n-Butylbenzene	480		ug/kg	87	17.	1
sec-Butylbenzene	130		ug/kg	87	18.	1
tert-Butylbenzene	ND		ug/kg	440	49.	1
o-Chlorotoluene	ND		ug/kg	440	14.	1
p-Chlorotoluene	ND		ug/kg	440	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	440	69.	1
Hexachlorobutadiene	ND		ug/kg	440	37.	1
Isopropylbenzene	250		ug/kg	87	14.	1
p-Isopropyltoluene	100		ug/kg	87	17.	1
Naphthalene	2300		ug/kg	440	67.	1
Acrylonitrile	ND		ug/kg	870	21.	1
n-Propylbenzene	1200		ug/kg	87	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	440	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	440	69.	1
1,3,5-Trimethylbenzene	1200		ug/kg	440	12.	1
1,2,4-Trimethylbenzene	5300		ug/kg	440	50.	1
Methyl Acetate	ND		ug/kg	1700	66.	1
Cyclohexane	ND		ug/kg	1700	93.	1
1,4-Dioxane	ND		ug/kg	8700	1500	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-01	Date Collected:	09/14/13 08:15
Client ID:	G2_SB-04C_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1700	24.	1
p-Diethylbenzene	2300		ug/kg	350	14.	1
p-Ethyltoluene	4600		ug/kg	350	10.	1
1,2,4,5-Tetramethylbenzene	2600		ug/kg	350	11.	1
Ethyl ether	ND		ug/kg	440	23.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	440	39.	1
Methyl cyclohexane	1000		ug/kg	350	110	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-02	Date Collected:	09/14/13 08:43
Client ID:	G2_SB-05B_2.5-3	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 02:45		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.16	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Chloromethane	ND		ug/kg	4.6	0.73	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-02 Date Collected: 09/14/13 08:43

Client ID: G2_SB-05B_2.5-3 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.20	1
Acetone	ND		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	ND		ug/kg	9.3	0.33	1
Vinyl acetate	ND		ug/kg	9.3	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
2-Hexanone	ND		ug/kg	9.3	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.30	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.3	0.22	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.71	1
Cyclohexane	ND		ug/kg	18	1.0	1
1,4-Dioxane	ND		ug/kg	93	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-02	Date Collected:	09/14/13 08:43
Client ID:	G2_SB-05B_2.5-3	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.42	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-03	Date Collected:	09/14/13 09:00
Client ID:	CSO_SB-01A_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 03:13		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.46	1
Bromoform	ND		ug/kg	4.0	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-03 Date Collected: 09/14/13 09:00

Client ID: CSO_SB-01A_0-0.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	3.4	J	ug/kg	10	3.1	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.22	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.20	1
tert-Butylbenzene	ND		ug/kg	5.0	0.56	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.0	0.77	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57	1
Methyl Acetate	ND		ug/kg	20	0.76	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-03	Date Collected:	09/14/13 09:00
Client ID:	CSO_SB-01A_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45	1
Methyl cyclohexane	ND		ug/kg	4.0	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-07	Date Collected:	09/14/13 00:00
Client ID:	TB03_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 19:24		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-07 Date Collected: 09/14/13 00:00

Client ID: TB03_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-07	Date Collected:	09/14/13 00:00
Client ID:	TB03_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 23:55			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	290	75.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	68.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	97.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	93.	2
Fluoranthene	1800		ug/kg	220	67.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	84.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	330	97.	2
Naphthalene	540		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	330	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	71.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	90.	2
Diethyl phthalate	ND		ug/kg	360	77.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	830		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04 D Date Collected: 09/14/13 08:15

Client ID: G2_COMP-04_0-5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	830		ug/kg	290	89.	2
Benzo(b)fluoranthene	1100		ug/kg	220	73.	2
Benzo(k)fluoranthene	420		ug/kg	220	69.	2
Chrysene	960		ug/kg	220	71.	2
Acenaphthylene	120	J	ug/kg	290	68.	2
Anthracene	340		ug/kg	220	60.	2
Benzo(ghi)perylene	620		ug/kg	290	76.	2
Fluorene	240	J	ug/kg	360	100	2
Phenanthrene	1500		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	170	J	ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	620		ug/kg	290	81.	2
Pyrene	1700		ug/kg	220	71.	2
Biphenyl	ND		ug/kg	830	120	2
4-Chloroaniline	ND		ug/kg	360	96.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	170	J	ug/kg	360	120	2
2-Methylnaphthalene	370	J	ug/kg	440	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	69.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	330	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	510	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	500	2
4,6-Dinitro-o-cresol	ND		ug/kg	950	130	2
Pentachlorophenol	ND		ug/kg	290	78.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	120	J	ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04 D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	43		0-136
4-Terphenyl-d14	62		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 20:31
Analytical Date:	09/21/13 00:23			
Analyst:	PS			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	820		ug/kg	610	160	4
1,2,4-Trichlorobenzene	ND		ug/kg	770	250	4
Hexachlorobenzene	ND		ug/kg	460	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	690	220	4
2-Chloronaphthalene	ND		ug/kg	770	250	4
1,2-Dichlorobenzene	ND		ug/kg	770	250	4
1,3-Dichlorobenzene	ND		ug/kg	770	240	4
1,4-Dichlorobenzene	ND		ug/kg	770	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	770	200	4
2,4-Dinitrotoluene	ND		ug/kg	770	160	4
2,6-Dinitrotoluene	ND		ug/kg	770	200	4
Fluoranthene	6900		ug/kg	460	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	770	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	770	180	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	920	270	4
Bis(2-chloroethoxy)methane	ND		ug/kg	830	230	4
Hexachlorobutadiene	ND		ug/kg	770	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	490	4
Hexachloroethane	ND		ug/kg	610	140	4
Isophorone	ND		ug/kg	690	200	4
Naphthalene	460	J	ug/kg	770	260	4
Nitrobenzene	ND		ug/kg	690	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	610	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	770	230	4
Bis(2-Ethylhexyl)phthalate	210	J	ug/kg	770	200	4
Butyl benzyl phthalate	ND		ug/kg	770	150	4
Di-n-butylphthalate	ND		ug/kg	770	150	4
Di-n-octylphthalate	ND		ug/kg	770	190	4
Diethyl phthalate	ND		ug/kg	770	160	4
Dimethyl phthalate	ND		ug/kg	770	200	4
Benzo(a)anthracene	3500		ug/kg	460	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05 D Date Collected: 09/14/13 08:55

Client ID: G2_COMP-05_0-5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	610	190	4
Benzo(b)fluoranthene	3400		ug/kg	460	160	4
Benzo(k)fluoranthene	1500		ug/kg	460	150	4
Chrysene	3600		ug/kg	460	150	4
Acenaphthylene	310	J	ug/kg	610	140	4
Anthracene	2000		ug/kg	460	130	4
Benzo(ghi)perylene	1800		ug/kg	610	160	4
Fluorene	870		ug/kg	770	220	4
Phenanthrene	7100		ug/kg	460	150	4
Dibenzo(a,h)anthracene	480		ug/kg	460	150	4
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	610	170	4
Pyrene	7400		ug/kg	460	150	4
Biphenyl	ND		ug/kg	1800	250	4
4-Chloroaniline	ND		ug/kg	770	200	4
2-Nitroaniline	ND		ug/kg	770	220	4
3-Nitroaniline	ND		ug/kg	770	210	4
4-Nitroaniline	ND		ug/kg	770	210	4
Dibenzofuran	320	J	ug/kg	770	260	4
2-Methylnaphthalene	430	J	ug/kg	920	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	770	240	4
Acetophenone	ND		ug/kg	770	240	4
2,4,6-Trichlorophenol	ND		ug/kg	460	140	4
P-Chloro-M-Cresol	ND		ug/kg	770	220	4
2-Chlorophenol	ND		ug/kg	770	230	4
2,4-Dichlorophenol	ND		ug/kg	690	250	4
2,4-Dimethylphenol	ND		ug/kg	770	230	4
2-Nitrophenol	ND		ug/kg	1600	240	4
4-Nitrophenol	ND		ug/kg	1100	250	4
2,4-Dinitrophenol	ND		ug/kg	3700	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	610	160	4
Phenol	ND		ug/kg	770	230	4
2-Methylphenol	ND		ug/kg	770	250	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	770	250	4
Benzoic Acid	ND		ug/kg	2500	780	4
Benzyl Alcohol	ND		ug/kg	770	240	4
Carbazole	340	J	ug/kg	770	160	4
Benzaldehyde	ND		ug/kg	1000	310	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05 D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	770	210	4
Atrazine	ND		ug/kg	610	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	770	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	76		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/21/13 00:51		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	350		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	7800	E	ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	140	J	ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	68	J	ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	4500		ug/kg	110	35.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06 Date Collected: 09/14/13 09:15

Client ID: CSO_COMP-01_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	4300		ug/kg	140	44.	1
Benzo(b)fluoranthene	5300		ug/kg	110	36.	1
Benzo(k)fluoranthene	1600		ug/kg	110	34.	1
Chrysene	4200		ug/kg	110	35.	1
Acenaphthylene	110	J	ug/kg	140	34.	1
Anthracene	1600		ug/kg	110	30.	1
Benzo(ghi)perylene	2500		ug/kg	140	38.	1
Fluorene	350		ug/kg	180	52.	1
Phenanthrene	4300		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	760		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	2700		ug/kg	140	40.	1
Pyrene	7400	E	ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	170	J	ug/kg	180	60.	1
2-Methylnaphthalene	93	J	ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	220		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	100		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06 D	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/25/13 00:06		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	9400		ug/kg	220	66.	2
Pyrene	9000		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 15:53		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	6100		ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 16:46			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	537000		ug/kg	175000	17100	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 16:34		
Analyst:	GT		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	5400		ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	85		70-130
4-Bromofluorobenzene	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 17:17			
Analyst:	AR			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1060000		ug/kg	186000	18200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 22:57		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	182000		ug/kg	35100	3430	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 17:15		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	82	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		70-130
4-Bromofluorobenzene	87		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 05-06 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04-06 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 05-06 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 05-06 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:28	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	7.24	1	A
Aroclor 1221	ND		ug/kg	36.7	11.1	1	A
Aroclor 1232	ND		ug/kg	36.7	7.79	1	A
Aroclor 1242	ND		ug/kg	36.7	6.96	1	A
Aroclor 1248	ND		ug/kg	36.7	4.44	1	A
Aroclor 1254	31.8	J	ug/kg	36.7	5.78	1	B
Aroclor 1260	49.2		ug/kg	36.7	6.36	1	B
Aroclor 1262	ND		ug/kg	36.7	2.71	1	A
Aroclor 1268	ND		ug/kg	36.7	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:41	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	7.43	1	A
Aroclor 1221	ND		ug/kg	37.6	11.4	1	A
Aroclor 1232	ND		ug/kg	37.6	8.00	1	A
Aroclor 1242	ND		ug/kg	37.6	7.14	1	A
Aroclor 1248	ND		ug/kg	37.6	4.55	1	A
Aroclor 1254	ND		ug/kg	37.6	5.93	1	A
Aroclor 1260	26.5	J	ug/kg	37.6	6.53	1	B
Aroclor 1262	ND		ug/kg	37.6	2.78	1	A
Aroclor 1268	ND		ug/kg	37.6	5.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:54	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	7.10	1	A
Aroclor 1221	ND		ug/kg	35.9	10.8	1	A
Aroclor 1232	ND		ug/kg	35.9	7.64	1	A
Aroclor 1242	ND		ug/kg	35.9	6.82	1	A
Aroclor 1248	ND		ug/kg	35.9	4.35	1	A
Aroclor 1254	ND		ug/kg	35.9	5.67	1	A
Aroclor 1260	ND		ug/kg	35.9	6.24	1	A
Aroclor 1262	ND		ug/kg	35.9	2.66	1	A
Aroclor 1268	ND		ug/kg	35.9	5.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318168

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-06 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:02	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.3	1	A
2,4,5-T	ND		ug/kg	184	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	129		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:25		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/19/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.3	3.39	10	A
Lindane	ND		ug/kg	7.21	3.22	10	A
Alpha-BHC	ND		ug/kg	7.21	2.05	10	A
Beta-BHC	ND		ug/kg	17.3	6.56	10	A
Heptachlor	ND		ug/kg	8.65	3.88	10	A
Aldrin	ND		ug/kg	17.3	6.09	10	A
Heptachlor epoxide	ND		ug/kg	32.4	9.73	10	A
Endrin	ND		ug/kg	7.21	2.95	10	A
Endrin ketone	ND		ug/kg	17.3	4.45	10	A
Dieldrin	ND		ug/kg	10.8	5.40	10	A
4,4'-DDE	ND		ug/kg	17.3	4.00	10	A
4,4'-DDD	33.1		ug/kg	17.3	6.17	10	B
4,4'-DDT	20.7	J	ug/kg	32.4	13.9	10	A
Endosulfan I	ND		ug/kg	17.3	4.09	10	A
Endosulfan II	ND		ug/kg	17.3	5.78	10	A
Endosulfan sulfate	ND		ug/kg	7.21	3.29	10	A
Methoxychlor	ND		ug/kg	32.4	10.1	10	A
Toxaphene	ND		ug/kg	324	90.8	10	A
cis-Chlordane	ND		ug/kg	21.6	6.02	10	A
trans-Chlordane	ND		ug/kg	21.6	5.71	10	A
Chlordane	ND		ug/kg	140	57.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**233**	Q	30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:22	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	23.0	1	A
2,4,5-T	ND		ug/kg	189	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	**18**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:38		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/19/13
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.9	3.50	10	A
Lindane	ND		ug/kg	7.45	3.33	10	A
Alpha-BHC	ND		ug/kg	7.45	2.12	10	A
Beta-BHC	ND		ug/kg	17.9	6.78	10	A
Heptachlor	ND		ug/kg	8.94	4.01	10	A
Aldrin	ND		ug/kg	17.9	6.30	10	A
Heptachlor epoxide	ND		ug/kg	33.5	10.0	10	A
Endrin	ND		ug/kg	7.45	3.05	10	A
Endrin ketone	ND		ug/kg	17.9	4.60	10	A
Dieldrin	ND		ug/kg	11.2	5.59	10	A
4,4'-DDE	ND		ug/kg	17.9	4.14	10	A
4,4'-DDD	ND		ug/kg	17.9	6.38	10	A
4,4'-DDT	34.8		ug/kg	33.5	14.4	10	A
Endosulfan I	ND		ug/kg	17.9	4.22	10	A
Endosulfan II	ND		ug/kg	17.9	5.98	10	A
Endosulfan sulfate	ND		ug/kg	7.45	3.40	10	A
Methoxychlor	ND		ug/kg	33.5	10.4	10	A
Toxaphene	ND		ug/kg	335	93.9	10	A
cis-Chlordane	ND		ug/kg	22.4	6.23	10	A
trans-Chlordane	ND		ug/kg	22.4	5.90	10	A
Chlordane	ND		ug/kg	145	59.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.4	1	A
2,4,5-T	ND		ug/kg	184	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06 D	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	3.34	10	A
Lindane	ND		ug/kg	7.12	3.18	10	A
Alpha-BHC	ND		ug/kg	7.12	2.02	10	A
Beta-BHC	ND		ug/kg	17.1	6.48	10	A
Heptachlor	ND		ug/kg	8.54	3.83	10	A
Aldrin	ND		ug/kg	17.1	6.01	10	A
Heptachlor epoxide	ND		ug/kg	32.0	9.61	10	A
Endrin	ND		ug/kg	7.12	2.92	10	A
Endrin ketone	ND		ug/kg	17.1	4.40	10	A
Dieldrin	ND		ug/kg	10.7	5.34	10	A
4,4'-DDE	ND		ug/kg	17.1	3.95	10	A
4,4'-DDD	ND		ug/kg	17.1	6.09	10	A
4,4'-DDT	24.9	J	ug/kg	32.0	13.7	10	A
Endosulfan I	ND		ug/kg	17.1	4.03	10	A
Endosulfan II	ND		ug/kg	17.1	5.71	10	A
Endosulfan sulfate	ND		ug/kg	7.12	3.25	10	A
Methoxychlor	ND		ug/kg	32.0	9.96	10	A
Toxaphene	ND		ug/kg	320	89.6	10	A
cis-Chlordane	ND		ug/kg	21.3	5.95	10	A
trans-Chlordane	ND		ug/kg	21.3	5.64	10	A
Chlordane	ND		ug/kg	139	56.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	142		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	**167**	Q	30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-06 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-06 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318168

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Barium, TCLP	0.41	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Lead, TCLP	0.27	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:04	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04
Client ID: G2_COMP-04_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7200		mg/kg	8.7	1.7	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Barium, Total	280		mg/kg	0.87	0.26	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Beryllium, Total	1.5		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.87	0.06	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Calcium, Total	46000		mg/kg	8.7	2.6	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Chromium, Total	33		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Cobalt, Total	14		mg/kg	1.7	0.44	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Copper, Total	270		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Iron, Total	21000		mg/kg	4.4	1.7	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Lead, Total	440		mg/kg	4.4	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Magnesium, Total	12000		mg/kg	8.7	0.87	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Mercury, Total	0.59		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:39	EPA 7471B	1,7471B	MC
Nickel, Total	32		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Potassium, Total	850		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Selenium, Total	1.3	J	mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Sodium, Total	330		mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.87	0.09	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Zinc, Total	1400		mg/kg	4.4	0.61	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Barium, TCLP	0.44	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:06	EPA 7470A	1,7470A	JH
Selenium, TCLP	0.03	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05
Client ID: G2_COMP-05_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/14/13 08:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6800		mg/kg	9.0	1.8	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.72	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Arsenic, Total	9.4		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Barium, Total	190		mg/kg	0.90	0.27	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Beryllium, Total	0.98		mg/kg	0.45	0.09	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.90	0.06	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Calcium, Total	23000		mg/kg	9.0	2.7	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Chromium, Total	22		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Cobalt, Total	14		mg/kg	1.8	0.45	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Copper, Total	320		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	4.5	1.8	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Lead, Total	220		mg/kg	4.5	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Magnesium, Total	5200		mg/kg	9.0	0.90	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Manganese, Total	350		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Mercury, Total	0.31		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:41	EPA 7471B	1,7471B	MC
Nickel, Total	28		mg/kg	2.2	0.36	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	220	36.	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Selenium, Total	0.44	J	mg/kg	1.8	0.27	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Sodium, Total	330		mg/kg	180	27.	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Vanadium, Total	26		mg/kg	0.90	0.09	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Zinc, Total	920		mg/kg	4.5	0.63	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Barium, TCLP	0.50		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Lead, TCLP	0.13	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:07	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7100		mg/kg	8.6	1.7	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.69	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Arsenic, Total	4.8		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Barium, Total	110		mg/kg	0.86	0.26	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Beryllium, Total	0.34	J	mg/kg	0.43	0.09	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Cadmium, Total	0.60	J	mg/kg	0.86	0.06	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Calcium, Total	4700		mg/kg	8.6	2.6	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Cobalt, Total	6.8		mg/kg	1.7	0.43	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Copper, Total	42		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.3	1.7	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Lead, Total	160		mg/kg	4.3	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Magnesium, Total	2800		mg/kg	8.6	0.86	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Mercury, Total	0.36		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:42	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.34	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	210	34.	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Sodium, Total	78	J	mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.86	0.09	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Zinc, Total	360		mg/kg	4.3	0.60	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-06 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-06 Batch: WG637446-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-06 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-06 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 Batch: WG637446-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	104	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637446-4 QC Sample: L1318167-01 Client ID: MS Sample										
Arsenic, TCLP	0.03J	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.59	20	21	102		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.1	105		-	-	75-125	-	20
Lead, TCLP	0.62	5.1	5.7	100		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637446-3 QC Sample: L1318167-01 Client ID: DUP Sample					
Arsenic, TCLP	0.03J	0.05J	mg/l	NC	20
Barium, TCLP	0.59	0.57	mg/l	3	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.62	0.60	mg/l	3	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-01
Client ID: G2_SB-04C_0-0.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-02
Client ID: G2_SB-05B_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:43
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-03
Client ID: CSO_SB-01A_0-0.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04
Client ID: G2_COMP-04_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	33		mg/kg	0.89	0.89	1	-	09/23/13 11:29	107,-	JO
Solids, Total	89.7		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/18/13 10:00	09/18/13 15:24	1,9010C/9012A	JO
pH (H)	9.1		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 17:50	09/17/13 22:40	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05
Client ID: G2_COMP-05_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.93	0.93	1	-	09/23/13 11:29	107,-	JO
Solids, Total	86.2		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:26	1,9010C/9012A	JO
pH (H)	8.3		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.93	0.21	1	09/16/13 17:50	09/17/13 22:43	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.89	0.89	1	-	09/23/13 11:29	107,-	JO
Solids, Total	89.8		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:27	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	0.23	J	mg/kg	0.89	0.20	1	09/16/13 17:50	09/17/13 22:44	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: DUP Sample						
pH	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG636931-1 QC Sample: L1318141-01 Client ID: DUP Sample						
Solids, Total	89.9	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:31

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-01A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-01X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-01Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-01Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-02X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-03X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-04A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-04B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-04C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318168-05A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-05B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-05C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-05X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318168-06A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-06B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06D	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-07A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1318168-07B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

Container Comments

L1318168-05C

L1318168-06B

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318168
Project Number: 170229002 **Report Date:** 09/25/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/24/13 CW

Serial No:09251312:00

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L4318168

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, P.P.C

Address: 360 W 31st St, 8th Fl. New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 20139603

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hex Chromium, TCLP RCRA 8 Metals	TS	SVOC, PCB, Pest Herb, 1,4-Dioxane	TPH	VOC							Sample Specific Comments	Total # Bottles
1	G2_SB-04C_0-0.5	9/14/13	8:15	SO	NB	X		X	X										4
2	G2_SB-05B_2.5-3	9/14/13	8:43	SO	NB	X		X	X										4
3	CSO_SB-01A_0-0.5	9/14/13	9:00	SO	NB	X		X	X										4
4	G2_COMP-04_0-5	9/14/13	8:15	SO	NB		X			X	X								3
5	G2_COMP-05_0-5	9/14/13	8:55	SO	NB		X			X	X								3
6	CSO_COMP-01_0-10	9/14/13	9:15	SO	NB		X			X	X								3
7	TRIP BLANK_091413	9/14/13	13:30	AQ	NB							X						TB03_091413	2
	Container Type					E	A		P	A	A	A							
	Preservative					A	A		A	A	A	B							

Relinquished By:	Date/Time	Received By:	Date/Time
Gregory Klyke	9/14/13 13:31	Abdul Mahubey	9/14/13 13:3
Abdul Mahubey	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Serial No:09251312:00

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L43181168

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C
Address: 360 W 31st St, 8th Fl.
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139163

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hex Chromium, TCLP RCRA 8 Metals	PCB Aroclors	TS	SVOC PCB Pest Herb	TPH	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
181168.1	G2_SB-04C_0-0.5	9/14/13	8:15	SO	NB	X		X	X						4
2	G2_SB-05B_2.5-3	9/14/13	8:43	SO	NB	X		X	X						4
3	CSO_SB-01A_0-0.5	9/14/13	9:00	SO	NB	X		X	X						4
4	G2_COMP-04_0-5	9/14/13	8:15	SO	NB		X			X	X				3
5	G2_COMP-05_0-5	9/14/13	8:55	SO	NB		X			X	X				3
6	CSO_COMP-01_0-10	9/14/13	9:15	SO	NB		X			X	X				3
7	TRIP BLANK_091413	9/14/13	13:30	AQ	NB							X			2
Container Type						E	A		P	A	A	A			
Preservative						A	A		A	A	A	B			

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
Gregory Klyke	9/14/13 13:31	Abdul Mahubey	9/14/13 13:3
Abdul Mahubey	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ATTACHMENT E

LABORATORY ANALYTICAL DATA REPORTS (GROUNDWATER)

ANALYTICAL REPORT

Lab Number:	L1318577
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/30/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318577-01	MW3_091913	BROOKLYN, NY	09/19/13 11:00
L1318577-02	GB12OW_091913	BROOKLYN, NY	09/19/13 13:15

Project Name: GREENPOINT LANDING **Lab Number:** L1318577
Project Number: 170229002 **Report Date:** 09/30/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

The surrogate recovery for the WG638429-1 Method Blank is below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (27%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/30/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/21/13 00:40		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene	ND		ug/l	2.0	0.66	1
o-Xylene	ND		ug/l	1.0	0.30	1
Xylene (Total)	ND		ug/l	2.0	0.66	1
Methyl tert butyl ether	7.1	J	ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		80-120
Fluorobenzene	104		80-120
4-Bromofluorobenzene	95		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/21/13 01:15		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene	ND		ug/l	2.0	0.66	1
o-Xylene	ND		ug/l	1.0	0.30	1
Xylene (Total)	ND		ug/l	2.0	0.66	1
Methyl tert butyl ether	1.2	J	ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	94		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	3.2	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	2.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-Xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	2.0	0.66
Styrene[1]	ND		ug/l	1.0	0.30
Acetone[1]	ND		ug/l	10	1.8
Carbon disulfide[1]	ND		ug/l	5.0	0.90
2-Butanone[1]	ND		ug/l	10	2.2
Vinyl acetate[1]	ND		ug/l	10	2.9
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4
2-Hexanone[1]	ND		ug/l	10	2.5
Acrolein[1]	ND		ug/l	8.0	1.9
Acrylonitrile[1]	ND		ug/l	10	1.9
Methyl tert butyl ether[1]	ND		ug/l	10	0.58
Dibromomethane[1]	ND		ug/l	1.0	1.0
1,4-Dioxane[1]	ND		ug/l	2000	490
tert-Butyl Alcohol[1]	ND		ug/l	100	6.0
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	92		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Methylene chloride	110		-		70-111	-		30
1,1-Dichloroethane	107		-		78-116	-		30
Chloroform	107		-		86-111	-		30
Carbon tetrachloride	103		-		60-112	-		30
1,2-Dichloropropane	108		-		83-113	-		30
Dibromochloromethane	106		-		58-129	-		30
1,1,2-Trichloroethane	112		-		80-118	-		30
2-Chloroethylvinyl ether	**128**	Q	-		69-124	-		30
Tetrachloroethene	103		-		80-126	-		30
Chlorobenzene	94		-		80-126	-		30
Trichlorofluoromethane	101		-		83-128	-		30
1,2-Dichloroethane	**112**	Q	-		82-110	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Bromodichloromethane	104		-		71-120	-		30
trans-1,3-Dichloropropene	**107**	Q	-		73-106	-		30
cis-1,3-Dichloropropene	104		-		78-111	-		30
Bromoform	98		-		45-131	-		30
1,1,2,2-Tetrachloroethane	110		-		81-122	-		30
Benzene	108		-		84-116	-		30
Toluene	106		-		83-121	-		30
Ethylbenzene	96		-		84-123	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Chloromethane	101		-		70-144	-		30
Bromomethane	86		-		63-141	-		30
Vinyl chloride	95		-		56-118	-		30
Chloroethane	98		-		74-130	-		30
1,1-Dichloroethene	101		-		77-116	-		30
trans-1,2-Dichloroethene	105		-		81-121	-		30
cis-1,2-Dichloroethene[1]	107		-		85-110	-		30
Trichloroethene	106		-		84-118	-		30
1,2-Dichlorobenzene	100		-		78-128	-		30
1,3-Dichlorobenzene	97		-		77-125	-		30
1,4-Dichlorobenzene	99		-		77-125	-		30
p/m-Xylene[1]	99		-		81-121	-		30
o-Xylene[1]	98		-		81-124	-		30
Xylene (Total)[1]	98		-		81-122	-		30
Styrene[1]	100		-		84-133	-		30
Acetone[1]	138		-		40-160	-		30
Carbon disulfide[1]	99		-		54-134	-		30
2-Butanone[1]	**141**	Q	-		57-116	-		30
Vinyl acetate[1]	125		-		40-160	-		30
4-Methyl-2-pentanone[1]	**139**	Q	-		79-125	-		30
2-Hexanone[1]	**143**	Q	-		78-120	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Acrolein[1]	124		-		40-160	-		30
Acrylonitrile[1]	**130**	Q	-		66-123	-		30
Methyl tert butyl ether[1]	117		-		57-126	-		30
Dibromomethane[1]	107		-		65-126	-		30
1,4-Dioxane[1]	**153**	Q	-		74-121	-		30
tert-Butyl Alcohol[1]	**181**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	**122**	Q	-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	107				80-120
Fluorobenzene	104				80-120
4-Bromofluorobenzene	91				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Methylene chloride	ND	200	230	**117**	Q	-	-		70-111	-		30
1,1-Dichloroethane	ND	200	230	116		-	-		78-116	-		30
Chloroform	ND	200	230	**117**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	240	**121**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	230	**114**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	220	109		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	230	115		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	260	**130**	Q	-	-		69-124	-		30
Tetrachloroethene	ND	200	230	114		-	-		80-126	-		30
Chlorobenzene	ND	200	210	106		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	230	115		-	-		83-128	-		30
1,2-Dichloroethane	ND	200	230	**116**	Q	-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	240	**118**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	220	112		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	180	92		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	160	82		-	-		78-111	-		30
Bromoform	ND	200	200	100		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	220	109		-	-		81-122	-		30
Benzene	ND	200	230	**117**	Q	-	-		84-116	-		30
Toluene	ND	200	230	116		-	-		83-121	-		30
Ethylbenzene	ND	200	220	112		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Chloromethane	ND	200	190	94		-	-		70-144	-		30
Bromomethane	ND	200	94	**47**	Q	-	-		63-141	-		30
Vinyl chloride	ND	200	220	111		-	-		56-118	-		30
Chloroethane	ND	200	230	114		-	-		74-130	-		30
1,1-Dichloroethene	ND	200	230	**117**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	230	116		-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	220	**111**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	230	117		-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	210	105		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	210	104		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	210	106		-	-		77-125	-		30
p/m-Xylene[1]	ND	400	430	108		-	-		81-121	-		30
o-Xylene[1]	ND	200	210	106		-	-		81-124	-		30
Xylene (Total)[1]	ND	600	640	107		-	-		81-122	-		30
Styrene[1]	ND	200	210	107		-	-		84-133	-		30
Acetone[1]	ND	500	600	120		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	200	103		-	-		54-134	-		30
2-Butanone[1]	ND	500	600	**120**	Q	-	-		57-116	-		30
Vinyl acetate[1]	ND	400	400	101		-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	610	122		-	-		79-125	-		30
2-Hexanone[1]	ND	500	590	118		-	-		78-120	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Acrolein[1]	ND	400	410	103		-	-		40-160	-		30
Acrylonitrile[1]	ND	400	470	117		-	-		66-123	-		30
Dibromomethane[1]	ND	200	210	106		-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	96				80-120
Fluorobenzene	106				80-120
Pentafluorobenzene	106				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	ND	ND	ug/l	NC	30
o-Xylene[1]	ND	ND	ug/l	NC	30
Xylene (Total)[1]	ND	ND	ug/l	NC	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	ND	ND	ug/l	NC	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		105		80-120
Fluorobenzene	106		105		80-120
4-Bromofluorobenzene	95		97		80-120

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 625
Analytical Method:	5,625	Extraction Date:	09/24/13 07:18
Analytical Date:	09/28/13 05:14		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	5.0	1.6	1
Phenol	ND		ug/l	7.0	0.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		43-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	78		33-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 625
Analytical Method:	5,625	Extraction Date:	09/24/13 07:18
Analytical Date:	09/29/13 13:43		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	5.0	1.6	1
Phenol	ND		ug/l	7.0	0.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	74		43-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	90		33-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,625
Analytical Date: 09/28/13 03:02
Analyst: PS

Extraction Method: EPA 625
Extraction Date: 09/24/13 07:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638427-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	5.0	1.6
Phenol	ND		ug/l	7.0	0.90

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		43-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	84		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638427-2								
1,2,4-Trichlorobenzene	51		-		39-98	-		30
Phenol	23		-		12-110	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35				21-120
Phenol-d6	23				10-120
Nitrobenzene-d5	72				23-120
2-Fluorobiphenyl	78				43-120
2,4,6-Tribromophenol	81				10-120
4-Terphenyl-d14	93				33-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638427-3 QC Sample: L1318577-01 Client ID: MW3_091913												
1,2,4-Trichlorobenzene	ND	40	22	55		-	-		39-98	-		30
Phenol	ND	40	8.7	22		-	-		12-110	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	79				10-120
2-Fluorobiphenyl	80				43-120
2-Fluorophenol	33				21-120
4-Terphenyl-d14	89				33-120
Nitrobenzene-d5	69				23-120
Phenol-d6	21				10-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638427-4 QC Sample: L1318577-02 Client ID: GB12OW_091913						
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC		30
Naphthalene	ND	ND	ug/l	NC		30
Phenol	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		31		21-120
Phenol-d6	21		18		10-120
Nitrobenzene-d5	79		68		23-120
2-Fluorobiphenyl	74		63		43-120
2,4,6-Tribromophenol	84		74		10-120
4-Terphenyl-d14	90		85		33-120

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	09/24/13 07:14
Analytical Date:	09/25/13 07:43	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/24/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	09/24/13 07:14
Analytical Date:	09/25/13 07:56	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/24/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318577

Report Date: 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 09/25/13 08:36
Analyst: KB

Extraction Method: EPA 608
Extraction Date: 09/24/13 07:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG638429-1						
Aroclor 1016	ND		ug/l	0.050	0.021	A
Aroclor 1221	ND		ug/l	0.050	0.028	A
Aroclor 1232	ND		ug/l	0.050	0.012	A
Aroclor 1242	ND		ug/l	0.050	0.014	A
Aroclor 1248	ND		ug/l	0.050	0.014	A
Aroclor 1254	ND		ug/l	0.050	0.022	A
Aroclor 1260	ND		ug/l	0.050	0.023	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**27**	Q	30-150	A
Decachlorobiphenyl	73		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638429-3 QC Sample: L1318577-01 Client ID: MW3_091913													
Aroclor 1016	ND	0.5	0.369	74		-	-		40-126	-		30	A
Aroclor 1260	ND	0.5	0.266	53		-	-		40-127	-		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47				30-150	A
Decachlorobiphenyl	76				30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG638429-2									
Aroclor 1016	53		-		40-126	-		30	A
Aroclor 1260	69		-		40-127	-		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**26**	Q			30-150	A
Decachlorobiphenyl	80				30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638429-4 QC Sample: L1318577-02 Client ID: GB12OW_091913							
Aroclor 1016	ND	ND	ug/l	NC		30	A
Aroclor 1221	ND	ND	ug/l	NC		30	A
Aroclor 1232	ND	ND	ug/l	NC		30	A
Aroclor 1242	ND	ND	ug/l	NC		30	A
Aroclor 1248	ND	ND	ug/l	NC		30	A
Aroclor 1254	ND	ND	ug/l	NC		30	A
Aroclor 1260	ND	ND	ug/l	NC		30	A

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		39		30-150	A
Decachlorobiphenyl	78		80		30-150	A

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Copper, Total	0.007	J	mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Lead, Total	0.014		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:10	EPA 245.1	3,245.1	DR
Nickel, Total	0.005	J	mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Zinc, Total	0.016	J	mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Copper, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Lead, Total	0.015		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:12	EPA 245.1	3,245.1	DR
Nickel, Total	ND		mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Zinc, Total	0.010	J	mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638224-1										
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Copper, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Lead, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Nickel, Total	ND		mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Zinc, Total	ND		mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638818-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 12:49	3,245.1	DR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638224-2								
Cadmium, Total	105		-		85-115	-		
Copper, Total	102		-		85-115	-		
Lead, Total	106		-		85-115	-		
Nickel, Total	101		-		85-115	-		
Zinc, Total	100		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638818-2								
Mercury, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638224-4 QC Sample: L1318577-01 Client ID: MW3_091913												
Cadmium, Total	ND	0.051	0.052	101		-	-		75-125	-		20
Copper, Total	0.007J	0.25	0.276	110		-	-		75-125	-		20
Lead, Total	0.014	0.51	0.550	105		-	-		75-125	-		20
Nickel, Total	0.005J	0.5	0.495	99		-	-		75-125	-		20
Zinc, Total	0.016J	0.5	0.492	98		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-4 QC Sample: L1317820-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0053	106		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638224-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Cadmium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.007J	0.007J	mg/l	NC		20
Lead, Total	0.014	0.013	mg/l	8		20
Nickel, Total	0.005J	0.006J	mg/l	NC		20
Zinc, Total	0.016J	0.017J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-3 QC Sample: L1317820-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID: L1318577-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:00
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	1500		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
Solids, Total Suspended	54.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Chloride	81.		mg/l	1.0	0.21	1	-	09/20/13 15:24	30,4500CL-E	LA
pH (H)	7.0		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.036	J	mg/l	0.10	0.015	1	-	09/25/13 02:53	44,353.2	DB
Total Nitrogen	13.		mg/l	0.30	0.30	1	-	09/26/13 11:33	41,-	JO
Nitrogen, Total Kjeldahl	12.8		mg/l	0.300	0.102	1	09/23/13 12:42	09/23/13 23:24	30,4500N-C	AT
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
Flash Point	>150		deg F	70	NA	1	-	09/25/13 11:40	1,1010	DM
Chromium, Hexavalent	0.001	J	mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:31	30,3500CR-D	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID: L1318577-02
Client ID: GB12OW_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 13:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	2700		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
Solids, Total Suspended	75.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Chloride	920		mg/l	10	2.1	10	-	09/20/13 17:12	30,4500CL-E	LA
pH (H)	6.6		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.13		mg/l	0.10	0.015	1	-	09/25/13 02:53	44,353.2	DB
Total Nitrogen	5.6		mg/l	0.30	0.30	1	-	09/26/13 11:33	41,-	JO
Nitrogen, Total Kjeldahl	5.49		mg/l	0.300	0.102	1	09/23/13 12:42	09/23/13 23:25	30,4500N-C	AT
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
Flash Point	>150		deg F	70	NA	1	-	09/25/13 11:40	1,1010	DM
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:31	30,3500CR-D	JT

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637643-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:27	30,3500CR-D	JT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637666-1										
Solids, Total	ND		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637791-1										
Chloride	ND		mg/l	1.0	0.21	1	-	09/20/13 15:16	30,4500CL-E	LA
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637840-1										
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638152-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638227-1										
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.034	1	09/23/13 12:42	09/23/13 23:08	30,4500N-C	AT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638545-1										
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638768-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.015	1	-	09/25/13 01:48	44,353.2	DB

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637643-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637649-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637666-2								
Solids, Total	100		-		81-113	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637791-2								
Chloride	97		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637840-2								
CBOD, 5 day	94		-		47-104	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638227-2								
Nitrogen, Total Kjeldahl	94		-		78-122	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638545-2								
Non-Polar Material by EPA 1664	80		-		64-132	-		34

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638768-2					
Nitrogen, Nitrate/Nitrite	96	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG639005-1					
Flash Point	102	-		-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637643-4 QC Sample: L1318577-01 Client ID: MW3_091913												
Chromium, Hexavalent	0.001J	0.1	0.100	100		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637791-4 QC Sample: L1318543-01 Client ID: MS Sample												
Chloride	86.	20	100	70		-	-		58-140	-		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637840-4 QC Sample: L1318577-02 Client ID: GB12OW_091913												
CBOD, 5 day	ND	100	100	106		-	-		36-125	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638227-4 QC Sample: L1318561-04 Client ID: MS Sample												
Nitrogen, Total Kjeldahl	0.311	8	7.58	91		-	-		77-111	-		24
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638545-4 QC Sample: L1318577-02 Client ID: GB12OW_091913												
Non-Polar Material by EPA 1664	ND	20.4	18.0	88		-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638768-4 QC Sample: L1318823-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	0.051J	4	3.9	98		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637643-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Chromium, Hexavalent	0.001J	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637649-2 QC Sample: L1318551-01 Client ID: DUP Sample						
pH	9.4	9.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637666-3 QC Sample: L1318509-01 Client ID: DUP Sample						
Solids, Total	3700	2700	mg/l	**31**	Q	16
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637791-3 QC Sample: L1318543-01 Client ID: DUP Sample						
Chloride	86.	85.	mg/l	1		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637840-3 QC Sample: L1318577-01 Client ID: MW3_091913						
CBOD, 5 day	ND	20.	mg/l	NC		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638152-2 QC Sample: L1318617-01 Client ID: DUP Sample						
Solids, Total Suspended	1700	1500	mg/l	13		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638227-3 QC Sample: L1318561-04 Client ID: DUP Sample						
Nitrogen, Total Kjeldahl	0.311	0.300	mg/l	4		24
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638545-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Non-Polar Material by EPA 1664	ND	ND	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638768-3 QC Sample: L1318823-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	0.051J	0.051J	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318577-01A	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01B	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01C	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01D	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	625-NYDEP(7)
L1318577-01E	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	625-NYDEP(7)
L1318577-01F	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01G	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01H	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01I	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01J	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-01K	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-01L	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSS-2540(7)
L1318577-01M	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSC-2540(7),CL-4500(28)
L1318577-01N	Plastic 1000ml unpreserved	A	7	2	Y	Absent	HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1318577-01O	Amber 1000ml unpreserved	A	7	2	Y	Absent	FLASH()
L1318577-01P	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L1318577-01Q	Plastic 500ml HNO3 preserved	A	<2	2	Y	Absent	NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)
L1318577-02A	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02B	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02C	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02D	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	625-NYDEP(7)
L1318577-02E	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	625-NYDEP(7)
L1318577-02F	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02G	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318577-02H	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02I	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02J	Amber 1000ml HCl preserved	B	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-02K	Amber 1000ml HCl preserved	B	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-02L	Plastic 1000ml unpreserved	B	7	2	Y	Absent	TSS-2540(7)
L1318577-02M	Plastic 1000ml unpreserved	B	7	2	Y	Absent	TSC-2540(7),CL-4500(28)
L1318577-02N	Plastic 1000ml unpreserved	B	7	2	Y	Absent	HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1318577-02O	Amber 1000ml unpreserved	B	7	2	Y	Absent	FLASH()
L1318577-02P	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L1318577-02Q	Plastic 500ml HNO3 preserved	B	<2	2	Y	Absent	NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)

Container Comments

L1318577-01Q

L1318577-02Q

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318577
Project Number: 170229002 **Report Date:** 09/30/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

41 Alpha Analytical Labs Internally-developed Performance-based Method.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/19/13

ALPHA Job #: L1318577

Client Information

Client: LANGAN D.P.C
Address: 360 W31St 8th Fl New York, NY 10001
Phone: 212 479 5476
Fax:
Email: GWYKA@LANGAN

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYBORODETSKY
ALPHA Quote #: 2013963

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 9/26/13 Time:

Report Information Data Deliverables

☐ FAX ☑ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYC Sanitary and Combined Sewer Discharge	NYC-SEWER

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes	☒ No	Are MCP Analytical Methods Required?
☐ Yes	☒ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please see attached list.
PCB reporting limit must be 65ppt. See attached list.

PROVIDE NYSDEC EDD

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 624 (See Attached List)	Total Metals (See Attached List)	Chloride, CBOD, Total Solids	Total Suspended Solids	pH, HexChrom	Non Polar Material - 1664	TKN, NO3/NO2	ABN 625 (See Attached List)	PCB 608 - Must acheve 65ppt RL	Flash Point			Sample Specific Comments	TOTAL # BOTTLES
18577-01	MW3-091913	9/19/13	1100	Water	SH	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐		16
02	GB120W-091913	9/19/13	1315	WATER	SH	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐		16
				GW 9/19/13		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	P	P	P	P	A	P	A	A	A	-	-
Preservative	H	C	A	A	A	B	D	H	H	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/19/13 1625	[illegible]	9/19/13 16[illegible]
[illegible]	9/19/13 1820	Tom Fisher	9/19/13 1821
Tom Fisher	9/19/13 2350	William McCreedy	9/19/13 2350

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 30-JUL-07)

TABLE A

LIMITATIONS FOR EFFLUENT TO ***SANITARY OR COMBINED*** SEWERS

Parameter[1]	Daily Limit	Units	Sample Type	Monthly Limit
Non-polar material[2]	50	mg/l	Instantaneous	---
pH	5-11	SU's	Instantaneous	---
Temperature	< 150	Degree F	Instantaneous	---
Flash Point	> 140	Degree F	Instantaneous	---
Cadmium	2 0.69	mg/l mg/l	Instantaneous Composite	--- ---
Chromium (VI)	5	mg/l	Instantaneous	---
Copper	5	mg/l	Instantaneous	---
Lead	2	mg/l	Instantaneous	---
Mercury	0.05	mg/l	Instantaneous	---
Nickel	3	mg/l	Instantaneous	---
Zinc	5	mg/l	Instantaneous	---
Benzene	134	ppb	Instantaneous	57
Carbontetrachloride	---	---	Composite	---
Chloroform	---	---	Composite	---
1,4 Dichlorobenzene	---	---	Composite	---
Ethylbenzene	380	ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50	ppb	Instantaneous	---
Naphthalene	47	ppb	Composite	19
Phenol	---	---	Composite	---
Tetrachloroethylene (Perc)	20	ppb	Instantaneous	---
Toluene	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---	---	Composite	---
1,1,1 Trichloroethane	---	---	Composite	---
Xylenes (Total)	74	ppb	Instantaneous	28
PCB's (Total)[3]	1	ppb	Composite	---
Total Suspended Solids (TSS)	350[4]	mg/l	Instantaneous	---
CBOD[5]	---	---	Composite	---
Chloride[5]	---	---	Instantaneous	---
Total Nitrogen[5]	---	---	Composite	---
Total Solids[5]	---	---	Instantaneous	---
Other				

1 All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the least of the Practical Quantitation Limits identified in NYSDEC's Analytical Detectability and Quantitation Guidelines for Selected Environmental Parameters, December 1988

2 Analysis for ***non-polar materials*** must be done by EPA method 1664 Rev. A. Non-Polar Material shall mean that portion of the oil and grease that is not eliminated from a solution containing N-Hexane, or any other extraction solvent the EPA shall prescribe, by silica gel absorption.

3 Analysis for PCB=s is required if ***both*** conditions listed below are met:
1) if proposed discharge ≥ 10,000 gpd;
2) if duration of a discharge > 10 days.
Analysis for PCB=s must be done by EPA method 608 with MDL=<65 ppt. PCB's (total) is the sum of PCB-1242 (Arochlor 1242), PCB-1254 (Arochlor 1254), PCB-1221 (Arochlor 1221), PCB-1232 (Arochlor 1232), PCB-1248 (Arochlor 1248), PCB-1260 (Arochlor 1260) and PCB-1016 (Arochlor 1016).

4 For discharge ≥ 10,000 gpd, the TSS limit is 350 mg/l. For discharge < 10,000gpd, the limit is determined on a case by case basis.

5 Analysis for Carbonaceous Biochemical Oxygen Demand (CBOD), Chloride, Total Solids and Total Nitrogen are required if proposed discharge ≥ 10,000 gpd. Total Nitrogen = Total Kjeldahl Nitrogen (TKN) + Nitrite (NO_2) + Nitrate (NO_3).

ANALYTICAL REPORT

Lab Number:	L1318578
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/26/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318578-01	MW3_091913	BROOKLYN, NY	09/19/13 11:15
L1318578-02	GB12OW_091913	BROOKLYN, NY	09/19/13 13:10

Project Name: GREENPOINT LANDING **Lab Number:** L1318578
Project Number: 170229002 **Report Date:** 09/26/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG638289-1 LCS recoveries for 2-chloroethylvinyl ether (128%), 1,2-dichloroethane (112%), and trans-1,3-dichloropropene (107%), associated with L1318578-01 and -02, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/26/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-01	Date Collected:	09/19/13 11:15
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/20/13 20:36		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	2.5	J	ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	2.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-01	Date Collected:	09/19/13 11:15
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	2.0	0.66	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	108		80-120
4-Bromofluorobenzene	93		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/20/13 21:11		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	ND		ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	2.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	2.0	0.66	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	106		80-120
4-Bromofluorobenzene	92		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	3.2	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	2.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	2.0	0.66
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	92		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Methylene chloride	110		-		70-111	-		30
1,1-Dichloroethane	107		-		78-116	-		30
Chloroform	107		-		86-111	-		30
Carbon tetrachloride	103		-		60-112	-		30
1,2-Dichloropropane	108		-		83-113	-		30
Dibromochloromethane	106		-		58-129	-		30
1,1,2-Trichloroethane	112		-		80-118	-		30
2-Chloroethylvinyl ether	**128**	Q	-		69-124	-		30
Tetrachloroethene	103		-		80-126	-		30
Chlorobenzene	94		-		80-126	-		30
Trichlorofluoromethane	101		-		83-128	-		30
1,2-Dichloroethane	**112**	Q	-		82-110	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Bromodichloromethane	104		-		71-120	-		30
trans-1,3-Dichloropropene	**107**	Q	-		73-106	-		30
cis-1,3-Dichloropropene	104		-		78-111	-		30
Bromoform	98		-		45-131	-		30
1,1,2,2-Tetrachloroethane	110		-		81-122	-		30
Benzene	108		-		84-116	-		30
Toluene	106		-		83-121	-		30
Ethylbenzene	96		-		84-123	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Chloromethane	101		-		70-144	-		30
Bromomethane	86		-		63-141	-		30
Vinyl chloride	95		-		56-118	-		30
Chloroethane	98		-		74-130	-		30
1,1-Dichloroethene	101		-		77-116	-		30
trans-1,2-Dichloroethene	105		-		81-121	-		30
cis-1,2-Dichloroethene[1]	107		-		85-110	-		30
Trichloroethene	106		-		84-118	-		30
1,2-Dichlorobenzene	100		-		78-128	-		30
1,3-Dichlorobenzene	97		-		77-125	-		30
1,4-Dichlorobenzene	99		-		77-125	-		30
p/m-Xylene[1]	99		-		81-121	-		30
o-Xylene[1]	98		-		81-124	-		30
Xylene (Total)[1]	98		-		81-122	-		30
Styrene[1]	100		-		84-133	-		30
Acetone[1]	138		-		40-160	-		30
Carbon disulfide[1]	99		-		54-134	-		30
2-Butanone[1]	**141**	Q	-		57-116	-		30
Vinyl acetate[1]	125		-		40-160	-		30
4-Methyl-2-pentanone[1]	**139**	Q	-		79-125	-		30
2-Hexanone[1]	**143**	Q	-		78-120	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Acrolein[1]	124		-		40-160	-		30
Acrylonitrile[1]	**130**	Q	-		66-123	-		30
Methyl tert butyl ether[1]	117		-		57-126	-		30
Dibromomethane[1]	107		-		65-126	-		30
1,4-Dioxane[1]	**153**	Q	-		74-121	-		30
tert-Butyl Alcohol[1]	**181**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	**122**	Q	-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	107				80-120
Fluorobenzene	104				80-120
4-Bromofluorobenzene	91				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Methylene chloride	ND	200	230	**117**	Q	-	-		70-111	-		30
1,1-Dichloroethane	ND	200	230	116		-	-		78-116	-		30
Chloroform	ND	200	230	**117**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	240	**121**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	230	**114**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	220	109		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	230	115		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	260	**130**	Q	-	-		69-124	-		30
Tetrachloroethene	ND	200	230	114		-	-		80-126	-		30
Chlorobenzene	ND	200	210	106		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	230	115		-	-		83-128	-		30
1,2-Dichloroethane	ND	200	230	**116**	Q	-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	240	**118**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	220	112		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	180	92		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	160	82		-	-		78-111	-		30
Bromoform	ND	200	200	100		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	220	109		-	-		81-122	-		30
Benzene	ND	200	230	**117**	Q	-	-		84-116	-		30
Toluene	ND	200	230	116		-	-		83-121	-		30
Ethylbenzene	ND	200	220	112		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Chloromethane	ND	200	190	94		-	-		70-144	-		30
Bromomethane	ND	200	94	**47**	Q	-	-		63-141	-		30
Vinyl chloride	ND	200	220	111		-	-		56-118	-		30
Chloroethane	ND	200	230	114		-	-		74-130	-		30
1,1-Dichloroethene	ND	200	230	**117**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	230	116		-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	220	**111**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	230	117		-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	210	105		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	210	104		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	210	106		-	-		77-125	-		30
p/m-Xylene[1]	ND	400	430	108		-	-		81-121	-		30
o-Xylene[1]	ND	200	210	106		-	-		81-124	-		30
Xylene (Total)[1]	ND	600	640	107		-	-		81-122	-		30
Styrene[1]	ND	200	210	107		-	-		84-133	-		30
Acetone[1]	ND	500	600	120		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	200	103		-	-		54-134	-		30
2-Butanone[1]	ND	500	600	**120**	Q	-	-		57-116	-		30
Vinyl acetate[1]	ND	400	400	101		-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	610	122		-	-		79-125	-		30
2-Hexanone[1]	ND	500	590	118		-	-		78-120	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Acrolein[1]	ND	400	410	103		-	-		40-160	-		30
Acrylonitrile[1]	ND	400	470	117		-	-		66-123	-		30
Dibromomethane[1]	ND	200	210	106		-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	96				80-120
Fluorobenzene	106				80-120
Pentafluorobenzene	106				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	ND	ND	ug/l	NC	30
o-Xylene[1]	ND	ND	ug/l	NC	30
Xylene (Total)[1]	ND	ND	ug/l	NC	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	ND	ND	ug/l	NC	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		105		80-120
Fluorobenzene	106		105		80-120
4-Bromofluorobenzene	95		97		80-120

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318578
Project Number: 170229002
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Chromium, Total	0.0033	J	mg/l	0.0100	0.0020	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Copper, Total	0.005	J	mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Lead, Total	0.016		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:14	EPA 245.1	3,245.1	DR
Nickel, Total	0.006	J	mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Zinc, Total	0.024	J	mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	0.012	J	mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Cadmium, Total	0.001	J	mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Chromium, Total	ND		mg/l	0.01	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Copper, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Lead, Total	0.018		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:16	EPA 245.1	3,245.1	DR
Nickel, Total	ND		mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Zinc, Total	0.012	J	mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638693-1										
Antimony, Total	ND		mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Chromium, Total	ND		mg/l	0.01	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Copper, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Lead, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Nickel, Total	ND		mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Zinc, Total	ND		mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638818-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 12:49	3,245.1	DR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638693-2								
Antimony, Total	100		-		85-115	-		
Arsenic, Total	110		-		85-115	-		
Beryllium, Total	103		-		85-115	-		
Cadmium, Total	107		-		85-115	-		
Chromium, Total	100		-		85-115	-		
Copper, Total	105		-		85-115	-		
Lead, Total	108		-		85-115	-		
Nickel, Total	102		-		85-115	-		
Selenium, Total	112		-		85-115	-		
Silver, Total	106		-		85-115	-		
Thallium, Total	108		-		85-115	-		
Zinc, Total	102		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638818-2								
Mercury, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638693-4 QC Sample: L1318578-02 Client ID: GB12OW_091913												
Antimony, Total	0.012J	0.5	0.552	110		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.134	112		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.049	99		-	-		75-125	-		20
Cadmium, Total	0.001J	0.051	0.051	100		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.19	95		-	-		75-125	-		20
Copper, Total	ND	0.25	0.263	105		-	-		75-125	-		20
Lead, Total	0.018	0.51	0.501	95		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.457	91		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.138	115		-	-		75-125	-		20
Silver, Total	ND	0.05	0.054	109		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.106	88		-	-		75-125	-		20
Zinc, Total	0.012J	0.5	0.481	96		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-4 QC Sample: L1317820-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0053	106		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638693-3 QC Sample: L1318578-02 Client ID: GB12OW_091913						
Antimony, Total	0.012J	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.001J	0.001J	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	0.018	0.018	mg/l	2		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.012J	0.012J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-3 QC Sample: L1317820-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	100		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Solids, Total Settleable	<0.1		ml/l	.1	NA	1	-	09/20/13 01:05	30,2540F	DE
pH (H)	7.2		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.040	J	mg/l	0.10	0.015	1	-	09/21/13 02:44	30,4500NO3-F	DB
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-02
Client ID: GB12OW_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 13:10
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	69.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Solids, Total Settleable	<0.1		ml/l	.1	NA	1	-	09/20/13 01:05	30,2540F	DE
pH (H)	6.6		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.022	J	mg/l	0.10	0.015	1	-	09/21/13 02:44	30,4500NO3-F	DB
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637923-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.015	1	-	09/21/13 02:07	30,4500NO3-F	DB
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638152-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638175-1										
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637649-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637923-2								
Nitrogen, Nitrate/Nitrite	96		-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638175-2								
Oil & Grease, Hem-Grav	98		-		78-114	-		18

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637923-4 QC Sample: L1318641-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	2.0	4	5.9	97		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638175-4 QC Sample: L1318493-01 Client ID: MS Sample												
Oil & Grease, Hem-Grav	ND	41.2	38	93		-	-		78-114	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637649-2 QC Sample: L1318551-01 Client ID: DUP Sample						
pH	9.4	9.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637923-3 QC Sample: L1318641-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	2.0	2.0	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638152-2 QC Sample: L1318617-01 Client ID: DUP Sample						
Solids, Total Suspended	1700	1500	mg/l	13		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638175-3 QC Sample: L1318509-02 Client ID: DUP Sample						
Oil & Grease, Hem-Grav	ND	ND	mg/l	NC		18

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318578-01A	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01B	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01C	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01D	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSETS-2540(2)
L1318578-01E	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSS-2540(7)
L1318578-01F	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-01G	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-01H	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	NO3/NO2-4500(28)
L1318578-01I	Plastic 500ml HNO3 preserved	C	<2	2	Y	Absent	NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L1318578-01J	Plastic 250ml unpreserved	C	7	2	Y	Absent	PH-4500(.01)
L1318578-02A	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02B	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02C	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02D	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSETS-2540(2)
L1318578-02E	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSS-2540(7)
L1318578-02F	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-02G	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-02H	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	NO3/NO2-4500(28)
L1318578-02I	Plastic 500ml HNO3 preserved	C	<2	2	Y	Absent	NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L1318578-02J	Plastic 250ml unpreserved	C	7	2	Y	Absent	PH-4500(.01)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/19/13

ALPHA Job #: L1318578

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN D.P.C.
Address: 360 W 31ST ST 8TH Fl
NEW YORK, NY 10001
Phone: 212 479 5476
Fax:
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYGORODETSKY
ALPHA Quote #: 2013913

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/27/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE CATEGORY A DELIVERABLES
2) PROVIDE NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	pH	Oil and Grease	Total Suspended Solids	Settleable Solids	VOCs EPA 624	Nitrite/Nitrate	13 PP Metals	Sample Specific Comments	Total # Bottles
18578-01	MW3-091913	9/19/13	1115	GW	SH	X	X	X	X	X	X	X		10
02	GB120W-091913	9/19/13	1310	GW	SH	X	X	X	X	X	X	X		10

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	P	A	P	P	V	P	P
Preservative	A	B	A	A	H	D	C

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/19/13 1625	[illegible]	9/19/13 1625
[illegible]	9/19/13 1820	Tom Fisher	9/19/13 1820
Tom Fisher	9/19/13 2300	William Mellend	9/19/13 2350

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ATTACHMENT F

ANALYTICAL LABORATORY CERTIFICATION

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No. 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Bacteriology	
Coliform, Total / E. coli (Qualitative)	SM 18-21 9222B(97)/40CFR141.21(F)6i
	SM 18-21 9223B (97) (Colilert)
Standard Plate Count	SM 18-21 9215B
Drinking Water Metals I	
Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Drinking Water Metals II	
Aluminum, Total	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.8 Rev. 5.4

Drinking Water Metals II	
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Drinking Water Metals III	
Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4
Drinking Water Miscellaneous	
Organic Carbon, Total	SM 18-21 5310C (00)
Perchlorate	EPA 332.0 Rev. 1
Drinking Water Non-Metals	
Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide	SM 18-21 4500-CN E (99)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO3 F (00)
Solids, Total Dissolved	SM 18-21 2540C (97)
Specific Conductance	SM 18-21 2510B (97)

Serial No.: 48541

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Non-Metals	
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Drinking Water Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2
Fuel Additives	
Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2
Microextractibles	
1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1
Volatile Aromatics	
1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2

Volatile Aromatics	
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2

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NY Lab Id No. 11148

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below.

Volatile Halocarbons

2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 624
	EPA 8260C
Acrylonitrile	EPA 624
	EPA 8260C
Ethyl methacrylate	EPA 8260C
Amines	
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 625
	EPA 8270D
Pyridine	EPA 625
	EPA 8270D
Bacteriology	
Coliform, Fecal	SM 18-21 9221E (99)
	SM 18-21 9222D (97)
Coliform, Total	SM 18-21 9221B (99)
	SM 18-21 9222B (97)
Standard Plate Count	SM 18-21 9215B
Benzidines	
3,3'-Dichlorobenzidine	EPA 625
	EPA 8270D

Benzidines	
Benzidine	EPA 625
	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 608
	EPA 8081B
4,4'-DDE	EPA 608
	EPA 8081B
4,4'-DDT	EPA 608
	EPA 8081B
Aldrin	EPA 608
	EPA 8081B
alpha-BHC	EPA 608
	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 608
	EPA 8081B
Chlordane Total	EPA 608
	EPA 8081B
delta-BHC	EPA 608
	EPA 8081B
Dieldrin	EPA 608
	EPA 8081B
Endosulfan I	EPA 608
	EPA 8081B
Endosulfan II	EPA 608

Serial No.: 48542

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WADSWORTH CENTER

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MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No. 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category:
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Chlorinated Hydrocarbon Pesticides	
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 608
	EPA 8081B
Endrin	EPA 608
	EPA 8081B
Endrin aldehyde	EPA 608
	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 608
	EPA 8081B
Heptachlor epoxide	EPA 608
	EPA 8081B
Lindane	EPA 608
	EPA 8081B
Methoxychlor	EPA 608
	EPA 8081B
Toxaphene	EPA 608
	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D
2-Chloronaphthalene	EPA 625

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dinoseb	EPA 8151A
Demand	
Biochemical Oxygen Demand	SM 18-21 5210B (01)
Carbonaceous BOD	SM 18-21 5210B (01)
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
	SM 18-21 5220D (97)
Fuel Oxygenates	
Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8260C
Methyl tert-butyl ether	EPA 8260C

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WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

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Fuel Oxygenates	
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260C
Haloethers	
4-Bromophenylphenyl ether	EPA 625
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 625
	EPA 8270D
Low Level Polynuclear Aromatics	
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatics	
Naphthalene Low Level	EPA 8270D SIM
Mineral	
Acidity	SM 18-21 2310B,4a (97)
Alkalinity	SM 18-21 2320B (97)
Chloride	EPA 300.0 Rev. 2.1
	SM 18-21 4500-Cl- E (97)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Hardness, Total	EPA 200.7 Rev. 4.4
	SM 18-21 2340B (97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
	SM 15 426 C
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8270D
	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2,6-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Nitroaromatics and Isophorone	
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 625
	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 625
	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
Nitrosoamines	
N-Nitrosodimethylamine	EPA 625
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270D
Nutrient	
Ammonia (as N)	EPA 350.1 Rev. 2.0
	SM 18 4500-NH3 H
Kjeldahl Nitrogen, Total	EPA 351.1 Rev. 1978
	LACHAT 10-107-06-2
Nitrate (as N)	EPA 300.0 Rev. 2.1
	EPA 353.2 Rev. 2.0

Nutrient	
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO2 B (00)
Orthophosphate (as P)	SM 18-21 4500-P E
Phosphorus, Total	SM 18-21 4500-P E
Organophosphate Pesticides	
Atrazine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 625
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Di-n-octyl phthalate	EPA 625
	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 608

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Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 608 EPA 8082A
PCB-1232	EPA 608 EPA 8082A
PCB-1242	EPA 608 EPA 8082A
PCB-1248	EPA 608 EPA 8082A
PCB-1254	EPA 608 EPA 8082A
PCB-1260	EPA 608 EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatics	
Acenaphthene	EPA 625 EPA 8270D
Acenaphthylene	EPA 625 EPA 8270D
Anthracene	EPA 625 EPA 8270D
Benzo(a)anthracene	EPA 625 EPA 8270D
Benzo(a)pyrene	EPA 625

Polynuclear Aromatics	
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 625 EPA 8270D
Benzo(ghi)perylene	EPA 625 EPA 8270D
Benzo(k)fluoranthene	EPA 625 EPA 8270D
Chrysene	EPA 625 EPA 8270D
Dibenzo(a,h)anthracene	EPA 625 EPA 8270D
Fluoranthene	EPA 625 EPA 8270D
Fluorene	EPA 625 EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625 EPA 8270D
Naphthalene	EPA 625 EPA 8270D
Phenanthrene	EPA 625 EPA 8270D
Pyrene	EPA 625 EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D

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Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 625
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270D
2-Chlorophenol	EPA 625
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270D
2-Methylphenol	EPA 625
	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625
	EPA 8270D
Pentachlorophenol	EPA 625
	EPA 8270D

Priority Pollutant Phenols	
Phenol	EPA 625
	EPA 8270D
Residue	
Solids, Total	SM 18-21 2540B (97)
Solids, Total Dissolved	SM 18-21 2540C (97)
Solids, Total Suspended	SM 18-21 2540D (97)
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 624
	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Volatile Aromatics	
1,3-Dichlorobenzene	EPA 624
	EPA 8260C
1,4-Dichlorobenzene	EPA 624
	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 624
	EPA 8260C
Chlorobenzene	EPA 624
	EPA 8260C
Ethylbenzene	EPA 624
	EPA 8260C
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 624
	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 624
	EPA 8260C
Total Xylenes	EPA 624
	EPA 8260C

Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 624
	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 624
	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethene	EPA 624
	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8011
	EPA 8260C
1,2-Dibromoethane	EPA 8011
	EPA 8260C
1,2-Dichloroethane	EPA 624
	EPA 8260C
1,2-Dichloropropane	EPA 624
	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 624
	EPA 8260C

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All approved analytes are listed below.

Volatile Halocarbons

Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 624
	EPA 8260C
Bromoform	EPA 624
	EPA 8260C
Bromomethane	EPA 624
	EPA 8260C
Carbon tetrachloride	EPA 624
	EPA 8260C
Chloroethane	EPA 624
	EPA 8260C
Chloroform	EPA 624
	EPA 8260C
Chloromethane	EPA 624
	EPA 8260C
cis-1,2-Dichloroethene	EPA 624
	EPA 8260C
cis-1,3-Dichloropropene	EPA 624
	EPA 8260C
Dibromochloromethane	EPA 624
	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 624
	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 624

Volatile Halocarbons

Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 624
	EPA 8260C
trans-1,2-Dichloroethene	EPA 624
	EPA 8260C
trans-1,3-Dichloropropene	EPA 624
	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 624
	EPA 8260C
Trichlorofluoromethane	EPA 624
	EPA 8260C
Vinyl chloride	EPA 624
	EPA 8260C

Volatiles Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C

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Volatiles Organics

Vinyl acetate	EPA 8260C

Wastewater Metals I

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Calcium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Iron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Lead, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Wastewater Metals I

Lead, Total	EPA 6010C
	EPA 6020A
Magnesium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C

Wastewater Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A

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Wastewater Metals II	
Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
	SM 18-19 3500-Cr D
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Wastewater Metals II	
Zinc, Total	EPA 6010C
	EPA 6020A
Wastewater Metals III	
Cobalt, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Tin, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Titanium, Total	EPA 200.7 Rev. 4.4
Wastewater Miscellaneous	
Boron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Bromide	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide, Total	SM 18-21 4500-CN E (99)
Formaldehyde	EPA 8315A

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Wastewater Miscellaneous

Oil and Grease Total Recoverable (HEM	EPA 1664A
Organic Carbon, Total	SM 18-21 5310C (00)
Phenols	EPA 420.1 Rev. 1978
	SM 14 510C
Silica, Dissolved	EPA 200.7 Rev. 4.4
Specific Conductance	EPA 120.1 Rev. 1982
	SM 18-21 2510B (97)
Sulfide (as S)	SM 18-21 4500-S D (00)
Surfactant (MBAS)	SM 18-21 5540C (00)
Total Petroleum Hydrocarbons	EPA 1664A

Sample Preparation Methods

EPA 3005A
EPA 3015
EPA 3510C
EPA 5030B
EPA 9010C
EPA 9030B
SM 18-20 4500-CN C
SM 18-21 4500-NH3 B (97)

Serial No.: 48542

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WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No. 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below

Acrylates	
Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Ethyl methacrylate	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
Ignitability	EPA 1010A
	EPA 1030
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B

Chlorinated Hydrocarbon Pesticides	
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Low Level Polynuclear Aromatic Hydrocarbons	
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6010C EPA 6020A
Cadmium, Total	EPA 6010C EPA 6020A
Calcium, Total	EPA 6010C
Chromium, Total	EPA 6010C EPA 6020A
Copper, Total	EPA 6010C EPA 6020A
Iron, Total	EPA 6010C EPA 6020A
Lead, Total	EPA 6010C EPA 6020A
Magnesium, Total	EPA 6010C

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MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Metals I	
Manganese, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C
Metals II	
Aluminum, Total	EPA 6010C
	EPA 6020A
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 6010C
	EPA 6020A

Metals III	
Cobalt, Total	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 6010C
	EPA 6020A
Tin, Total	EPA 6010C
Minerals	
Chloride	EPA 9251
Sulfate (as SO4)	EPA 9038
Miscellaneous	
Boron, Total	EPA 6010C
Cyanide, Total	EPA 9012B
	EPA 9014
Formaldehyde	EPA 8315A
Phenols	EPA 9065
Specific Conductance	EPA 9050A
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 8270D
	EPA 8330
2,6-Dinitrotoluene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Phthalate Esters	
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Polynuclear Aromatic Hydrocarbons	
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D

Semi-Volatile Organics	
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Aromatics	
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C

Volatile Halocarbons	
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C
Volatile Organics	
1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Organics

4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260B
	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

EPA 3005A
EPA 3050B
EPA 3540C
EPA 3546
EPA 3580A
EPA 5035A-H
EPA 5035A-L
EPA 9010C
EPA 9030B

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WADSWORTH CENTER

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Issued April 01, 2013
Revised April 18, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Pyridine	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
3,3'-Dimethylbenzidine	EPA 8270D
Benzidine	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Dissolved Gases	
Ethane	RSK-175
Ethene (Ethylene)	RSK-175
Methane	RSK-175
Propane	RSK-175

Serial No.: 49076

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MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Haloethers	
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatics	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Mineral	
Alkalinity	SM 18-21 2320B (97)

Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Organophosphate Pesticides	
Atrazine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-118	EPA 8082A
PCB-128	EPA 8082A
PCB-1016	EPA 8082A

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ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No. 11627

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Polychlorinated Biphenyls	
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatics	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D

Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Residue	
Solids, Total Suspended	SM 18-21 2540D (97)
Semi-Volatile Organics	
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D

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Semi-Volatile Organics

Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Wastewater Metals I

Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Strontium, Total	EPA 6020A

Wastewater Metals II

Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Low Level	EPA 1631E
Mercury, Total	EPA 7470A
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A

Wastewater Metals III

Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A

Wastewater Miscellaneous

Specific Conductance	EPA 9050A
Turbidity	EPA 180.1 Rev. 2.0

Sample Preparation Methods

	EPA 3020A
	EPA 351DC

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Pentachloronitrobenzene	EPA 8270D
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D

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Haloethers	
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Metals I	
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Metals II	
Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Total	EPA 7471B
	EPA 7474
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A
Metals III	
Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A
Miscellaneous	
Organic Carbon, Total	EPA 9060
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D

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Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1	EPA 8082A
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
Polychlorinated Biphenyls	
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below

Priority Pollutant Phenols		Sample Preparation Methods
2,4-Dinitrophenol	EPA 8270D	EPA 3580A
2-Chlorophenol	EPA 8270D	
2-Methyl-4,6-dinitrophenol	EPA 8270D	
2-Methylphenol	EPA 8270D	
2-Nitrophenol	EPA 8270D	
3-Methylphenol	EPA 8270D	
4-Chloro-3-methylphenol	EPA 8270D	
4-Methylphenol	EPA 8270D	
4-Nitrophenol	EPA 8270D	
Pentachlorophenol	EPA 8270D	
Phenol	EPA 8270D	
Semi-Volatile Organics		
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D	
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D	
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D	
2-Methylnaphthalene	EPA 8270D	
Acetophenone	EPA 8270D	
Benzoic Acid	EPA 8270D	
Benzyl alcohol	EPA 8270D	
Dibenzofuran	EPA 8270D	
Sample Preparation Methods		
	EPA 3050B	
	EPA 3051A	
	EPA 3510C	
	EPA 3570	

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Acrylates	
Acetonitrile	EPA TO-15
Acrylonitrile	EPA TO-15
Methyl methacrylate	EPA TO-15
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15
Polychlorinated Biphenyls	
PCB-1016	EPA TO-10A
PCB-1221	EPA TO-10A
PCB-1232	EPA TO-10A
PCB-1242	EPA TO-10A
PCB-1248	EPA TO-10A
PCB-1254	EPA TO-10A
PCB-1260	EPA TO-10A
PCB-1262	EPA TO-10A
PCB-1268	EPA TO-10A
Polynuclear Aromatics	
Naphthalene	EPA TO-15
Purgeable Aromatics	
1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15

Purgeable Aromatics	
2-Chlorotoluene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15
m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15
Purgeable Halocarbons	
1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2-Dibromo-3-chloropropane	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15

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Purgeable Halocarbons	
Carbon tetrachloride	EPA TO-15
Chloroethane	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15
Volatile Chlorinated Organics	
Benzyl chloride	EPA TO-15
Volatile Organics	
1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
Acetaldehyde	EPA TO-15

Volatile Organics	
Acetone	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
tert-butyl alcohol	EPA TO-15
Vinyl acetate	EPA TO-15

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REMEDIAL INVESTIGATION REPORT

PARCELS D1, D2, E3, F, G AND H
Greenpoint Landing
Brooklyn, New York
OER Project Number # 13EHAN466K

Prepared For:

Greenpoint Storage Terminal, LLC
535 Madison Avenue
New York, NY 10022

Prepared By:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th Floor
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LANGAN

May 20, 2014
170229002

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CERTIFICATION

I, Michael Burke, LEED AP, CHMM, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation (RI) for Parcels D1, D2, E3, F, G and H of the Greenpoint Landing development property. I am responsible for the content of this RIR, have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Michael Burke, LEED AP, CHMM	5/20/2014	Michael D. Burke
Qualified Environmental Professional	Date	Signature

1.0 INTRODUCTION

On behalf of Greenpoint Storage Terminal, LLC (GST), Langan Engineering, Environmental, Survey and Landscape Architecture, D.P.C. (Langan) prepared this Remedial Investigation Report for six development parcels along the waterfront of the Greenpoint neighborhood of Brooklyn, New York. These six development parcels, referred to as Parcels D1, D2, E3, F, G and H (the site) and discussed in detail in Section 2.1, will be the first portions of the Greenpoint Landing development project to be constructed, which will eventually cover approximately 19 acres (referred to herein as the "development property"). Parcels F (Block 2472, Lot 50 [former p/o Lot 100]), Parcel G (Block 2472, Lot 60 and 65 [former p/o Lot 100]), and Parcel H (Block 247270 [former p/o Lot 100]) are bound by the East River to the north, an asphalt-paved parking lot to the west, Commercial Street to the south, the Newtown Barge Playground to the west, and a vehicle storage and maintenance yard operated by the NYC Transit Authority to the east (Block 2472, Lot 425). Parcels D1 (Block 2472, Lots 20 and 21 [former p/o Lot 32]), Parcel D2 (Block 2472, Lots 2 and 10 [former Lot 2]), and E3 (Block 2494, Lots 1 [former p/o Lot 1] and 5 [former p/o Lot 1) are bound by Block 2472 Lot 32 to the north, Block 2494 Lot 6 to the north and east, Eagle Street and a crane equipment storage yard leased and operated by Bay Crane to the south, and the East River to the west. A site location map is included as Figure 1 and a site plan, which presents of the layout of each parcel, is included as Figure 2.

An E-Designation for Hazardous Materials and Noise (E-138) was assigned to all lots that comprise the site by the New York City Department of City Planning (DCP) as part of the May 11, 2005 Greenpoint-Williamsburg Rezoning (CEQR 04DCP003K). An E-Designation for Hazardous Materials, Air Quality and Noise (E-317) was assigned to Parcels E1, E2, E3, D1, and a portion of H (H1 and H2) pursuant to the Revised Negative Declaration dated November 6, 2013 (CEQR No. 14DCP004K) issued by the DCP. The Revised Negative Declaration was issued in connection with land use approvals related to the development project, a revised Environmental Assessment Statement (EAS) dated November 6, 2013, and proposed zoning text amendments. The proposed actions resulted in updates to impact categories, including, but not limited to, Hazardous Materials, Air Quality, and Noise. These updates were promulgated in E-317. This new E-Designation (E-317) supersedes the E-Designations (E-138) previously assigned to Parcels E1, E2, E3, D1, and H1 and H2 as part of the Greenpoint-Williamsburg Rezoning (CEQR No. 04DCP003K). Parcels D2, F, G, and portions of H (H3) are still subject to the E-Designations of E-138. The Greenpoint Landing development project was

initially assigned OER Project Number 13EHAN466K by the New York City Office of Environmental Remediation (OER). A new OER project number will be assigned to each new building at the development property.

This report documents the results of the geophysical survey and soil vapor sampling program (Phase 1 RI) and the results of the soil and groundwater sampling program (Phase 2 RI) performed at Parcels D1, D2, E3, F, G and H. The Phase 1 RI and Phase 2 RI were completed to satisfy OER requirements in accordance with Langan's *Remedial Investigation Work Plan* (*RIWP*), dated July 24, 2013, which was approved by the OER on August 7, 2013.

The overall objective of the RI was to collect soil, groundwater and soil vapor data to supplement the existing data set from previous investigations and to provide sufficient basis for the formulation of remedial objectives and development of the remedy for the site and future work within the development property.

The purpose of the geophysical survey was three-fold:

- To evaluate potential underground storage tanks (USTs) identified by previous investigations;
- To evaluate the proposed soil, groundwater, and soil vapor sampling locations for subsurface structures and utilities; and
- To attempt to locate existing groundwater monitoring wells.

The purpose of the soil vapor sampling program was two-fold:

- To characterize soil vapor quality;
- To generate data for use in selecting the locations of soil and groundwater sampling points for the Phase 2 RI.

The purpose of the soil and groundwater sampling program was five-fold:

1. To evaluate soil and groundwater quality;
2. To evaluate groundwater depth and flow direction;
3. To supplement the findings of previous environmental studies (the existing soil and groundwater data set);
4. To evaluate potential impacts from off-site and hydraulically up-gradient sources of contamination; and
5. To evaluate soil and groundwater quality at the soil vapor sampling locations (SV-1, SV-3,

SV-4, SV-7, and SV-11) installed during Langan's Phase 1 RI where tetrachloroethylene (PCE) and/or trichloroethylene (TCE) were identified in soil vapor.

The report includes a description of sampling methodology, field observations, and a tabulated summary of laboratory analytical results.

2.0 BACKGROUND

2.1 Site Description

The site is located in the Greenpoint section of Brooklyn, New York and is identified as new tentative Lots 2 and 10 (former Lot 2) (Parcel D2), Lots 21 and 20 (former p/o Lot 32) (Parcel D1), Lot 50 (former p/p Lot 100) (Parcel F), Lot 60 (former p/o Lot 100) (Parcel G2), Lot 65 (former p/o Lot 100) (Parcel G1), and Lot 70 (former p/o Lot 100) (Parcel H) of Block 2472 and Lot 1 (former p/o Lot 1) (Parcel E3) of Block 2494 on the New York City Tax Map. A site location map is presented as Figure 1. Lots 2, 50, 60, 65, and portions of Lot 70 of Block 2472 are subject to the Hazardous Materials and Noise E-Designations of E-138. Portions of Lot 70 and Lot 21 of Block 2472 and Lot 1 of Block 2494 are subject to the Hazardous Materials, Noise, and Air Quality E-Designations of E-317. The site is about 9.3 acres (about 405,500 square feet [SF]) and includes mostly waterfront blocks along West and Commercial Streets, between Eagle and Clay Streets.

The site is comprised of six lettered parcels. These six parcels will be the first to be developed as part of the Greenpoint Landing development property. A site plan, displaying the layout of the site, is presented as Figure 2. A brief description and current use of each of the initial six development parcels is provided below:

- Parcel E3 is asphalt-paved and vacant. Parcel E3 encompasses an area of 18,147 SF on the southwestern part of Block 2494 Lot 1 and an area 710 SF on Lot 5 of Block 2494 (egress easement).

- Parcel D1 is asphalt-paved and vacant. A 20-foot wide easement for an underground New York City Department of Environmental Protection (NYCDEP) ejection pipe linking the East River Sludge Storage Tank to the East River Sludge Loading Dock traverses the parcel. Parcel D1 encompasses an area of 58,823 SF on Lot 21 of Block 2472 and an area of 2,853 SF on Lot 20 of Block 2472.

- Parcel D2 is asphalt-paved and used by a commercial tenant for the storage of crane equipment. Parcel D2 encompasses an area of 64,068 SF on Lot 2 of Block 2472 and an area of 3,153 SF on Lot 10 of Block 2472.

- Parcel G is subdivided into two sub-parcels, G1 and G2, which are asphalt-paved and

vacant. An underground NYCDEP combined sewer overflow (CSO) pipe and outfall extend across Parcels G1 and G2. Parcel G1 encompasses an area of 66,992 SF on Lot 65 of Block 2472. Parcel G2 encompasses an area of 20,894 SF on Lot 60 of Block 2472, an area of 700 SF on Lot 50 of Block 2472 (egress easement), and area of 600 SF on Lot 65 of Block 2472 (egress easement).

- Parcel F is asphalt-paved and vacant. Parcel F encompasses an area of about 84,608 SF on Lot 50 of Block 2472.

- Parcel H is asphalt-paved and used by a commercial tenant for the storage of film production trucks, trailers, and support vehicles. Parcel H encompasses an area of 93,556 SF on Lot 70 of Block 2472.

2.2 Proposed Development

The Greenpoint Landing project includes the construction of residential (affordable and market housing) buildings, a public elementary/intermediate school, new street infrastructure, new combined sewer overflows (CSO) and outfalls, a public promenade along the East River, public open space, as well as bulkhead reconstruction and shoreline stabilization.

The project will be developed in a phased approach starting with, in no particular order, Parcels E3, G2, G1, F, H, D1 and D2. The first two parcels to be developed will be Parcels E3 and G2 (a sub-parcel within parcel G), both with affordable housing only. Most project buildings are in early conceptual design and are subject to change. The currently proposed development plans for the six parcels are outlined below:

- Parcel E3 will be improved with a 7-story low-rise mixed use residential and commercial building (ground-floor retail) (with no cellar) with 98 affordable housing units only (no market-rate housing). The development will require excavating an approximately 18,150-square-foot area to a depth of about 5 feet below site grade for the construction of foundation components and a stormwater detention system. A courtyard with hardscape area and landscape area will be constructed on the northern portion of the lot. A grass lawn will be located at the center of the courtyard. A publicly-accessible sidewalk will be constructed in connection with the new building on the egress easement on Lot 5 of Block 2494.

- Parcel G will be improved with a 30-story residential tower (Building G1) and a 6-story low-rise building (Building G2).

    - Building G1

      The proposed development includes the construction of a 30-story residential tower (with cellar) with 373 market-rate housing units, one level of underground parking, and three levels of aboveground parking. The development will require excavating an approximately 26,000-square-foot area to a depth of about 10 feet below site grade for the construction of the cellar level and foundation components.

    - Building G2

      The proposed development includes the construction of a 6-story mixed use residential and commercial building (ground-floor retail) (with no cellar) with 93 affordable housing units. The development will require excavating an approximately 20,900-square-foot area to a depth of about 5 feet below site grade for the construction of foundation components and a stormwater detention system. The building will surround a courtyard with hardscape area and landscape area. A grass lawn will be located at the center of the courtyard. Publicly-accessible sidewalks will be constructed in connection with the new building on the egress easements directly adjacent to the new building on Lot 50 of Block 2472 and Lot 65 of Block 2472. A future private driveway will also be

constructed in connection with the new building on a portion of Lot 65 of Block 2472.

- Parcel D1 will be improved with a 30-story residential tower (with cellar) with 388 market-rate housing units and 3 levels of aboveground parking and a 6-story low-rise building (with cellar) with 62 affordable housing units. The foundation design (and therefore excavation plan) for the Parcel D1 buildings have not been finalized at this time.

- Parcel D2 will be improved with a 40-story residential tower (with no cellar) with 384 market-rate housing units and 96 affordable housing units. The foundation design (and therefore excavation plan) for Parcel D2 has not been finalized at this time.

- Parcel F will be improved with a 40-story residential tower (with cellar) with 501 market-rate housing units, 1 level of underground parking and 3 levels of aboveground parking and a 6-story low-rise building (no cellar) with 125 affordable housing units. The foundation design (and therefore excavation plan) for the Parcel F buildings have not been finalized at this time.

- It is anticipated that Parcel H will be improved with a 30-story residential tower (no cellar) with 3 levels of aboveground parking and two 16-story residential towers (no cellars). These structures will include 91 market rate and 357 affordable housing units. The foundation design (and therefore excavation plan) for the Parcel H buildings have not been finalized at this time.

In addition, the proposed development includes relocating a public NYCDEP CSO outfall that is now located within Parcels G1 and G2 to a new location between Parcels F, G1, and G2.

2.3 Description of Adjacent Properties

The site is adjoined to the south and east by residential, commercial and industrial-manufacturing uses as well as vacant land, vacant buildings and city-owned outdoor recreation space. The site is located at the confluence of the East River and Newtown Creek. The adjoining property to the northeast of Parcel H is occupied by the Metropolitan Transit Authority, Department of Subways, Division of Car Equipment's Office of Emergency Response and a motor vehicle storage lot. The property across Commercial Street from Parcels F and G is a former NuHart Plastics Manufacturing facility at 280 Franklin Street,

Brooklyn, NY (Block 2487 Lots 1, 10 and 78) , which is listed as a NYSDEC inactive hazardous waste disposal site. The Newtown Barge Playground is located between Parcel F and D1 on Block 2486 Lot 1 and is a 0.98-acre outdoor area with recreation fields and courts owned by the New York City Department of Parks and Recreation (DPR). The Greenpoint Playground is a 0.50-acre playground owned by the DPR and located at a triangular-shaped block bordered by Commercial Street to the north, Dupont Street to the south and Franklin Street to the east. The surrounding properties beyond the adjoining properties consist of multi-story residential buildings, some with ground-level retail and restaurants; houses of worship; office buildings; television and movie production studios; and small-scale industrial and manufacturing facilities. The zoning classifications of the surrounding area include R6, R6A, R6B, R8, M1-1, and M1-2.

3.0 SITE HISTORY

The site was historically used for industrial activities including the transfer and storage of lumber, coal, and construction materials and equipment. Coal and lumber storage were the primary uses of the site for more than 100 years from the late 1800s until circa 1980. The lumber yard operations at the subject property were phased out during the 1980s when the owner (Lumber Exchange Terminal, Inc.) began to lease portions of the subject property to tenants for materials and heavy equipment storage.

4.0 PREVIOUS ENVIRONMENTAL STUDIES

The following environmental reports (in chronological order) are associated with the site:

- *Phase I Environmental Site Assessment Report - Greenpoint Lumber Yard, Brooklyn New York*, July 2001, prepared by AKRF, Inc.

- *Phase II Site Investigation Report – Greenpoint Lumber Yard, Brooklyn, New York,* October 2, 2001, prepared by AKRF, Inc.

- *Supplemental Subsurface (Phase II) Investigation Report – Greenpoint Lumber Yard, Brooklyn, New York*, April 2004, prepared by AKRF, Inc.

- *Environmental Design Report: Materials Investigations at the East River Sludge Storage Tank and New Sludge Force Main Route*, April 2007, prepared by Greeley & Hansen, Hazen & Sawyer, and Malcolm Pirnie.

The results of previous environmental investigations are consistent with the historical property use and confirmed the presence of historic fill material across the site. The nature and localized distribution of volatile and semivolatile constituents in soil and groundwater do not suggest widespread releases of petroleum or hazardous substances. Although the property functioned as a lumber yard for almost a century, there was no indication that lumber treatment (e.g. creosote) occurred with any frequency (if at all) in soil or groundwater. No indication of primary (e.g., transformers) or secondary (e.g. carrier fluids) sources of PCBs was observed across the site. Very low concentrations of PCBs (generally parts per billion levels) were found in localized areas within historic fill material. The concentrations and distribution of PCBs are consistent

with what might be expected in historic urban fill material. No historic uses of the site were identified that would be associated with a high likelihood of PCB use. No PCBs were detected in on-site and off-site groundwater. The suite of metals and their concentrations detected in soil and groundwater are characteristic of and attributed to historic fill material and brackish groundwater. No potential current or historical sources of heavy metals related to industrial and/or commercial activity on the site were identified by previous environmental studies. The concentrations of metals in soil on-site are regarded as background concentrations and considered characteristic of properties in the urban environment.

For more detailed summaries and interpretations of the findings presented in the above referenced reports, refer to Section 2.0 of Langan's *RIWP,* dated July 24, 2013. Soil and groundwater data generated by previous environmental investigations are presented on Figures 3, 4, 5, 6, and 7. Copies of the above referenced environmental reports are included as Appendix A.

5.0 WASTE CHARACTERIZATON INVESTIGATIONS

5.1 Parcel G1

A waste characterization investigation was completed for Parcel G1 in September 2013. The waste characterization investigation included soil and groundwater sampling. The purpose of the waste characterization investigation was:

- To perform in-situ characterization to avoid characterizing stockpiles of excavated soil;
- To provide sufficient information to help evaluate construction costs related to management and disposal of excess soil and groundwater during the planned redevelopment of Parcel G1; and
- To evaluate potential dewatering options (e.g. discharge to a NYCDEP sewer or the East River).

The sampling methodology, field observations, and analytical results are presented below and also presented in the *Waste Characterization Technical Letter Report for Building G1 and CSO* prepared for Greenpoint Landing Developers, LLC, dated November 11, 2013, which is provided in Appendix B.

Sampling Methodology

Parcel G1 was divided into a grid consisting of ten approximately 2,700-square-foot waste characterization cells. Waste characterization cells were composed of a shallow and deep interval, each representing approximately 500 cubic yards (CY) of subsurface material. The shallow interval extends from the surface to approximately 5 feet below grade surface (bgs) and the deep interval extends approximately 5 to 10 feet bgs. Twenty soil borings were completed within the proposed excavation area completed by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York under the supervision of Langan field engineers during September 12-13, 2013. Two soil borings (denoted "A" and "B") were completed within each waste characterization grid.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 10 feet bgs. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field engineers. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each shallow and deep grid cell. Each sample set comprised one discrete sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the appropriate depth interval (i.e., shallow [0-5 feet bgs] or deep [5-10 feet bgs]) of the two soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval within the appropriate depth interval (i.e., shallow or deep) between the two soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were collected at random if no evidence of contamination was observed. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Twenty sample sets and one duplicate sample were collected and submitted for laboratory analysis. Two field blank samples (one per sampling day) and ten trip blanks were collected

and analyzed for quality assurance/quality control (QA/QC) purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid number and cell (i.e., shallow or deep) from which a sample was collected.

Laboratory Analytical Program

All samples were containerized in laboratory-supplied glassware and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Alpha Analytical, Inc. of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol. Grab soil samples were analyzed for VOCs only by United States Environmental Protection Agency (USEPA) Method 8260C. Only one composite sample from Building G1 was analyzed for paint filter. Composite soil samples were analyzed for the following parameters:

- Semi-volatile organic compounds (SVOCs) (USEPA Method 8270D)
- Polychlorinated biphenyls (PCBs) (USEPA Method 8082A)
- Organochlorine pesticides (USEPA Method 8081B)
- Herbicides (USEPA Method 8151A)
- Target analyte list [TAL] metals (USEPA Method 6010C/7471B)
- Hexavalent chromium (USEPA Method 7196A)_
- Cyanide (USEPA Method 9010C/9012A)
- Toxicity characteristic leaching procedure [TCLP] Resource Conservation and Recovery Act (RCRA) 8 metals (USEPA Method 1311)
- Ignitability (USEPA Method 1030)
- Corrosivity (USEPA Method 9045D)
- Cyanide Reactivity (SW846 Chapter 7.3)
- Sulfide Reactivity (SW846 Chapter 7.3)
- Total petroleum hydrocarbons gasoline-range organics (TPH-GRO) (USEPA Method 8015C)
- Total petroleum hydrocarbons diesel-range organics (TPH-DRO) (USEPA Method 8015C)
- Paint filter (USEPA Method 9095A)

Trip blanks were analyzed for VOCs only.

The laboratory was instructed to report all analytes inclusive of the United States Environmental Protection Agency (USEPA) Target Compound Lists (TCL) and the Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375 lists. In addition, the laboratory was instructed to report the analytical data as an Analytical Services Protocol (ASP) Category A data deliverable and as an Electronic Data Deliverable (EDD) consistent with the New York State Department of Environmental Conservation (NYSDEC) requirements.

Groundwater Investigation

One groundwater monitoring well, MW-1, was installed within the footprint of Building G1 by ADT on September 13, 2013. However, Langan was unsuccessful in properly developing this well (yield was extremely low and the well did not recharge adequately during development presumably because the well screen was set in the very fine-grained native formation [i.e., clayey silt)] with low hydraulic conductivity). Therefore, Langan redeveloped and sampled one of its own geotechnical observation wells, GB-12(OW). GB-12(OW) was installed on June 5, 2013. GB-12(OW) was constructed with 10 feet of 2-inch Schedule 40 PVC solid riser pipe and 10 feet of 0.020-inch slotted Schedule 40 PVC well screen. The total depth of the well was 20 feet. Depth to water was measured to be approximately 8.12 feet below the top of the inner casing. The well annulus in the screened interval was filled with a No.2 Filpro pure silica sand primary filter pack. A 1-foot annular seal of hydrated bentonite was installed above the primary filter pack and screened interval. The annulus around the solid PVC riser pipe was filled with No.2 Filpro pure silica sand up to a cement-bentonite surface seal. The monitoring well was fitted with a locking well cap and flush-mounted, 8-inch manhole cover with a concrete collar.

Langan collected one groundwater samples from GB-12(OW) on September 19, 2013. The groundwater sample was collected in general accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation* and Remediation (May 2010) and USEPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells*. The groundwater sample was collected using a stainless steel submersible pump connected to dedicated polyethylene tubing. Before the groundwater sample was collected, the well was gauged with an interface probe and then continuously purged at rate of about 500 mL/min until all groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) stabilized in accordance with the USEPA's low flow procedures for three consecutive readings. A multi-parameter water-quality system (YSI 6820)

was used to monitor the groundwater quality parameters. Before sampling, depth to groundwater was measured at 8.12 feet below the top of the inner well casing.

The groundwater sample was containerized in laboratory-supplied glassware and submitted to a NYSDOH ELAP-certified laboratory (Alpha) via courier service under standard chain-of-custody protocol. The groundwater sample was analyzed for the NYCDEP discharge effluent parameters and the NYSDEC Region 2 State Pollutant Discharge Elimination System (SPDES) and Long Island Well Permit Application dewatering parameters. The laboratory was instructed to report all analytical data in an ASP Category A data deliverable and as an EDD consistent with the NYSDEC requirements.

Field Observations

The stratigraphy underlying Building G1 comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to about 10 feet bgs (end of borings) across most of the sampling area and is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, slag, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings, except borings SB-3B, SB-4B, SB-5B, SB-7A, SB-7B, SB-9B, and SB-10A, at depths ranging from about 0.5 to about 10 feet bgs. Coal ash, fly ash, and/or cinders were identified in all completed borings, except borings SB-1B, SB-3B, SB-5A, and SB-6B, at depths ranging from about 0.5 to about 10 feet bgs. Slag was identified in borings SB-3A, SB-4B, SB-9A, SB-9B, and SB-10B, at depths ranging from about 4 to about 10 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to greater than 9,999 ppm. PID readings above 50 ppm were identified in borings SB-3A (0 to 5 feet bgs), SB-3B (0 to 5 feet bgs), SB-5B (0 to 5 feet bgs) and SB-6A (2 to 8 feet bgs). The PID readings above 50 ppm correspond to the presence of historic fill material and road base material in three of the four locations. The PID readings above 9,999 ppm may also be attributed to instrumental malfunction as no other evidence of petroleum or gross contamination was noted. At SB-6A, the PID readings above 50 ppm correspond to the presence of wood fragments. No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or other gross contamination were identified in any of the completed borings.

Analytical Data Review

A review of the analytical soil and groundwater results indicated:

- Six volatile organic compounds (VOCs), including 1,2-dichloroethane, acetone, benzene, methylene chloride, naphthalene, toluene, and total xylenes, were detected above their NYSDEC Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs). 1,2-Dichloroethane and acetone exceeded their Unrestricted Use SCOs in G1_SB-03B. Methylene chloride exceeded its Unrestricted Use SCO in G1_SB-04A. Benzene and total xylenes exceeded their Unrestricted Use SCOs in G1_SB-05B. Naphthalene exceeded its Unrestricted Use SCO in G1_SB-06A. Toluene exceeded its Unrestricted Use SCO in G1_SB-06A. None of the VOCs exceeded their NYSDEC Part 375-6.8(b) Restricted-Residential Use SCOs.
- Fourteen SVOCs, including 3-methylphenol, acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, flouranthene, indeno(1,2,3-c,d)pyrene, naphthalene, phenanthrene, and pyrene exceeded their Unrestricted Use SCOs. Ten SVOCs also exceeded their Restricted-Residential Use SCOs.
- Seven semivolatile organic compounds (SVOCs), all polycyclic aromatic hydrocarbons (PAHs), including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs in seventeen composite samples (G1_COMP-01S_0-5, G1_COMP-01D_5-10, G1_COMP-02S_0-5, G1_COMP-02D_5-10, G1_COMP-03S_0-5, G1_COMP-03D_5-10, G1_COMP-04S_0-5, G1_COMP-04D_5-10, G1_COMP-05S_0-5, G1_COMP-05D_5-10, G1_COMP-06S_0-5, G1_COMP-06D_5-10, G1_COMP-07S_0-5, G1_COMP-07D_5-10, G1_COMP_08S_0-5, G1_COMP-09S_0-5, and G1_COMP-09D_5-10). All seven PAHs also exceeded their Restricted-Residential Use SCOs in G1_COMP_08S-0-5 and G1_COMP-09D-5-10. Six PAHs also exceeded their Restricted-Residential Use SCOs in G1_COMP-01D_5-10, G1_COMP-02S_0-5, G1_COMP-03S_0-5, G1_COMP-04D_5-10, G1_COMP-09S_0-5, G1_COMP-06D_5-10, G1_COMP-09S_0-5. Five PAHs also exceeded their Restricted-Residential Use SCOs in G1_COMP-01S_0-5, G1_COMP-02D_5-10, G1_COMP-03D_5-10, G1_COMP-04S_0-5, G1_COMP-05D_5-10, G1_COMP-07S_0-5, and G1_COMP-07D_5-10.
- Six PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, exceeded their

Unrestricted Use SCOs in G1_COMP-06S_0-5. Four PAHs also exceeded their Restricted-Residential Use SCOs.

- Five PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs in G1_COMP-10S_0-5. Four PAHs also exceeded their Restricted-Residential Use SCOs.
- Two PAHs, including benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs and Restricted-Residential Use SCOs in G1_COMP-08D_5-10.
- Total SVOC concentrations ranged from 12.26 to 1245.17 milligrams per kilogram (mg/kg).
- No PCBs were detected above their Unrestricted Use SCOs.
- No herbicides were detected.
- One pesticide (4,4-DDT) was detected above its Unrestricted Use SCO, but below its Restricted-Residential Use SCO, in G1_COMP-07D_5-10, G1_COMP-09S_0-5, and G1_COMP-10S_0-5.
- Ten metals (arsenic, barium, beryllium, trivalent chromium, copper, lead, mercury, nickel, selenium and zinc) exceeded their Unrestricted Use SCOs in one or more composite soil samples. Four metals (arsenic, barium, lead, and mercury) also exceeded their Restricted-Residential Use SCOs in one or more composite samples. In addition, based on the TCLP analytical results, lead was found to exceed its maximum concentration for the toxicity characteristic (5.0 milligrams per liter) at a concentration of 5.4 mg/L in one shallow composite soil sample (G1_COMP-05S) representing the shallow interval (0-5 ft bgs) of waste characterization cell 5. Lead did not exceed its maximum concentration for the toxicity characteristic in the deep interval (5-10 ft bgs) of waste characterization cell 5 nor any of the shallow and deep intervals of surrounding waste characterization cells.
- A review of the groundwater analytical results indicated no exceedances of the NYCDEP limitations for effluent to sanitary or combined sewers and only one exceedance (i.e., total lead) of the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class I waters. Total lead exceeded its TOGS Class I SGV (8 µg/L) at a concentration of 18 micrograms per liter (µg/L).

Conclusions

The results of waste characterization investigation are consistent with the historical property

use and confirmed the presence of historic fill material across Parcel G1. Based on the analytical data generated by the investigation, excavation and disposal of characteristic hazardous lead waste is expected from only one location, the shallow waste characterization cell of grid 5. The nature and localized distribution of volatile and semivolatile constituents in soil do not suggest widespread releases of petroleum or hazardous substances. PAHs in soil may be attributed to pyrogenic components (e.g., coal fragments, cinders, ash, or wood fragments) of the historic fill material noted in most of the borings or to petrogenic sources, including creosote (a coal tar derivative), which was historically used as a lumber preservative. Wood fragments were noted in all but seven borings. The concentrations of PAHs in soil are regarded as background concentrations and considered characteristic of properties in the urban environment. The suite of metals detected in soil above their Unrestricted Use and Restricted-Residential Use SCOs were generally uniformly distributed across Parcel G1 and are characteristic of and attributed to historic fill material. No potential current or historical sources of metals related to industrial and/or commercial activity were identified by previous environmental studies. The concentrations of metals are regarded as background concentrations and considered characteristic of properties in the urban environment.

Groundwater conditions are consistent with expected conditions in an urban environment and brackish groundwater. Groundwater conditions do not indicate any petroleum or other chemical releases and do not suggest a need for pre-treatment (other than settlement tanks) prior to discharge to the NYCDEP sewer system or discharge to adjoining surface water bodies under a SPDES permit.

5.2 Parcel G2

A waste characterization investigation was completed for Parcel G2 in September 2013. The waste characterization investigation included soil and groundwater sampling. The purpose of the waste characterization investigation was:

- To perform in-situ characterization to avoid characterizing stockpiles of excavated soil;
- To provide sufficient information to help evaluate construction costs related to management and disposal of excess soil and groundwater during the planned redevelopment of Parcel G2; and
- To evaluate potential dewatering options (e.g. discharge to a NYCDEP sewer or the East River).

The sampling methodology, field observations, and analytical results of the waste characterization investigation are presented below and also presented in a companion document, titled *Waste Characterization Technical Letter Report for Building G2 to Greenpoint Landing Developers, LLC*, dated November 11, 2013, which is provided in Appendix B.

Sampling Methodology

Parcel G2 was divided into a grid consisting of six approximately 2,700-square-foot waste characterization cells. Waste characterization cells were composed of shallow intervals representing approximately 0 to 5 feet bgs and approximately 500 CY of subsurface material, and one deep interval (in the southern portion of the proposed excavation) representing approximately 5 to 10 feet bgs and approximately 500 CY of subsurface material. About 3,500 cubic yards of soil/fill material within the proposed excavation area (about 16, 200 square feet) was characterized in-situ at a frequency of 1 sample for every 500 CY. Fourteen soil borings were completed within the proposed excavation area by ADT under the supervision of Langan field engineers during September 12-14, 2013. Two soil borings (denoted "A" and "B") were completed within Grids 1, 2, 3 and 5; three soil borings (denoted "A", "B", and "C") were completed within Grids 4 and 6.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 5 feet bgs within Grids 1 to 5, and to a depth of approximately 10 feet bgs within Grid 6. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field engineers. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each shallow and deep grid cell. Each sample set comprised one discrete sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the appropriate depth interval (i.e., shallow [0-5 feet bgs] or deep [5-10 feet bgs]) of the soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval within the appropriate depth interval (i.e., shallow or deep)

between the soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were collected at random if no evidence of contamination was observed. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Seven sample sets and one duplicate sample were collected and submitted for laboratory analysis. Two field blank samples (one per sampling day) and ten trip blanks were collected and analyzed for QA/QC purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid number and cell (i.e., shallow or deep) from which a sample was collected.

Laboratory Analytical Program

All samples were containerized in laboratory-supplied glassware and submitted to Alpha via courier service under standard chain-of-custody protocol. Grab soil samples were analyzed for VOCs only by USEPA Method 8260C. Only one composite sample from Building G2 was analyzed for paint filter. Composite soil samples were analyzed for the following parameters:

- Semi-volatile organic compounds (SVOCs) (USEPA Method 8270D)
- Polychlorinated biphenyls (PCBs) (USEPA Method 8082A)
- Organochlorine pesticides (USEPA Method 8081B)
- Herbicides (USEPA Method 8151A)
- TAL metals (USEPA Method 6010C/7471B)
- Hexavalent chromium (USEPA Method 7196A)
- Cyanide (USEPA Method 9010C/9012A)
- TCLP RCRA 8 metals (USEPA Method 1311)
- Ignitability (USEPA Method 1030)
- Corrosivity (USEPA Method 9045D)
- Cyanide Reactivity (SW846 Chapter 7.3)
- Sulfide Reactivity (SW846 Chapter 7.3)
- TPH-GRO (USEPA Method 8015C)
- TPH-DRO (USEPA Method 8015C)
- Paint filter (USEPA Method 9095A)

The laboratory was instructed to report all analytes inclusive of the USEPA TCL and 6 NYCRR Part 375 lists. In addition, the laboratory was instructed to report the analytical data as an ASP Category A data deliverable and as an EDD consistent with the NYSDEC requirements.

Groundwater Investigation

One soil boring (SB-6A) within the footprint of Building G2 was converted to a groundwater monitoring well (MW-2) on September 13, 2013. However, Langan was unsuccessful in properly developing this well (yield was extremely low and the well did not recharge adequately during development presumably because the well screen was set in the very fine-grained native formation [i.e., clayey silt)] with low hydraulic conductivity.). Therefore, Langan redeveloped and sampled a groundwater monitoring well found within the footprint of Building G2. The well was renamed MW-3. The well was installed by the URS Corporation as part of the geotechnical investigation for Building G2. The installation date and construction details for the well were not available at the time of this report. The total well depth was measured at 28.5 feet. Depth to water was measured to be approximately 10.75 feet below the top of the inner casing.

Langan collected one groundwater sample from MW-3 on September 19, 2013. The groundwater sample was collected in general accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010) and USEPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells* using a stainless steel submersible pump connected to dedicated polyethylene tubing. Before the groundwater sample was collected, the well was gauged with an interface probe and then continuously purged at rate of about 250-400 mL/min until all groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) stabilized in accordance with the USEPA's low flow procedures for three consecutive readings. A multi-parameter water-quality system (YSI 6820) was used to monitor the groundwater quality parameters. Before sampling, depth to groundwater was measured at 10.75 feet below the top of the inner well casing.

The groundwater sample was containerized in laboratory-supplied glassware and submitted to a NYSDOH ELAP-certified laboratory (Alpha) via courier service under standard chain-of-custody protocol. The groundwater sample was analyzed for the NYCDEP discharge effluent parameters and the NYSDEC Region 2 SPDES and Long Island Well Permit Application

dewatering parameters. The laboratory was instructed to report all analytical data in an ASP Category A data deliverable and as an EDD consistent with the NYSDEC requirements.

Field Observations

This section summarizes the field observations recorded during the waste characterization investigation of Building G2. The stratigraphy underlying Building G2 comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to at least 5 feet bgs (end of borings) across Grids 1 to 5 and extends from ground surface to at least 10 feet bgs (end of borings) in Grid 6. The surficial historic fill material is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings except borings SB-1A, SB-1B, SB-3B, SB-5B, and SB-6C, at depths ranging from about 0 to about 4.5 feet bgs. Coal ash, fly ash, and/or cinders were identified in borings SB-1B, SB-2B, SB-3B, SB-4A, SB-4C, SB-5B, SB-6A, and SB-6C, at depths ranging from the surface to about 8 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to greater than 9,999 ppm. PID readings above 50 ppm were identified in borings SB-2A (0 to 3 feet bgs), SB-2B (0 to 5 feet bgs), SB-3A (1.5 to 5 feet bgs), and SB-5B (2.5 to 3 feet bgs). The PID readings above 50 ppm correspond to the presence of historic fill material and road base material in all four locations. The PID readings above 9,999 ppm may also be attributed to instrumental malfunction as no other evidence of petroleum or gross contamination was noted. No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or other gross contamination was identified in any of the completed borings.

Analytical Data Review

A review of the analytical soil and groundwater results indicated:

- Seven VOCs, including 1,2,4-trimethylbenzene, 1,2-dichloroethane, acetone, benzene, ethylbenzene, toluene, and total xylenes, were detected above their Unrestricted Use SCOs in one shallow grab soil sample (0-0.5 feet bgs) from G2_SB-04C. None of the VOCs detected in this shallow grab soil sample exceeded their Restricted-Residential Use SCOs.

- Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs in five samples (G2_COMP-01_0-5, G2_COMP-02_0-5, G2_COMP-03_0-5, G2_COMP-05_0-5, and G2_COMP_06S_0-5). Six PAHs also exceeded their Restricted-Residential Use SCOs in G2_COMP-01_0-5, G2_COMP-02_0-5, G2_COMP-03_0-5, and G2_COMP_06S_0-5). Five PAHs also exceeded their Restricted-Residential Use SCOs in G2_COMP-05_0-5.
- Five PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs in G2_COMP_06D_5-10. Four PAHs also exceeded their Restricted-Residential Use SCOs.
- Two PAHs, including benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs and Restricted-Residential Use SCOs in G1_COMP-04_0-5.
- Total SVOC concentrations ranged from 12.72 to 134.71 mg/kg.
- No PCBs were detected above their Unrestricted Use SCOs.
- No herbicides were detected.
- Two pesticides (4,4-DDD and 4,4-DDT) were detected above their Unrestricted Use SCOs, but below their Restricted-Residential Use SCOs, in G2_COMP-04_0-5. One pesticides (4,4-DDT) was detected above its Unrestricted Use SCO, but below its Restricted-Residential Use SCO, in G2_COMP-05_0-5.
- Seven metals (arsenic, trivalent chromium, copper, lead, mercury, nickel, and zinc) exceeded their Unrestricted Use SCOs in one or more composite soil samples. Four metals (arsenic, copper, lead, and mercury) also exceeded their Restricted-Residential Use SCOs in one or more composite samples. Based on the TCLP analytical results, metals were not found to exceed their maximum concentration for the toxicity characteristic.
- A review of the groundwater analytical results indicated no exceedances of the NYCDEP limitations for effluent to sanitary or combined sewers and only one exceedance (e.g., total lead) of the TOGS SGVs for Class I waters. Total lead exceeded its TOGS Class I SGV (8 µg/L) at a concentration of 16 µg/L.

Conclusions

The results of waste characterization investigation are consistent with the historical property use and confirmed the presence of historic fill material across Parcel G2. Based on the

analytical data generated by the investigation, excavation and disposal of hazardous waste is not expected. The nature and localized distribution of volatile and semivolatile constituents in soil do not suggest widespread releases of petroleum or hazardous substances on the site. The PAHs in soil may be attributed to pyrogenic components (e.g., coal fragments, cinders, ash, or wood fragments) of the historic fill material noted in most of the borings or to petrogenic sources, including creosote (a coal tar derivative), which was historically used as a lumber preservative. Wood fragments were noted in all but five borings. The concentrations of PAHs in soil are regarded as background concentrations and considered as characteristic of properties in the urban environment. The suite of metals detected in soil above their Unrestricted Use and Restricted-Residential Use SCOs were generally uniformly distributed across Parcel G2 and are characteristic of and attributed to historic fill material. No potential current or historical sources of metals related to industrial and/or commercial activity were identified for the site by previous environmental studies. The concentrations of metals are regarded as background concentrations and considered characteristic of properties in the urban environment.

Groundwater conditions are consistent with expected conditions in an urban environment and brackish groundwater. Groundwater conditions do not indicate any petroleum or other chemical releases and do not suggest a need for pre-treatment (other than settlement tanks) prior to discharge to the NYCDEP sewer system or to adjoining surface water bodies under a SPDES permit.

5.3 Combined Sewer Overflow (CSO)

A waste characterization investigation was completed for the new CSO in Parcel F in September 2013 and included soil sampling only (groundwater samples were not collected). The purpose of the waste characterization investigation was:

- To perform in-situ characterization to avoid characterizing stockpiles of excavated soil; and
- To provide sufficient information to help evaluate construction costs related to management and disposal of excess soil during the planned construction of the CSO.

The sampling methodology, field observations, and analytical results of the waste characterization investigation are presented below and are also presented in a companion document, titled in *Waste Characterization Technical Letter Report for Building G1 and CSO to*

Greenpoint Landing Developers, LLC, dated November 11, 2013, which is provided in Appendix B.

Sampling Methodology

The proposed CSO trench was divided into a grid consisting of six approximately 2,400-square-foot waste characterization cells. Waste characterization cells extended from the surface to approximately 10 feet below grade surface (bgs) and consisted of approximately 500 CY of subsurface material. The cells for the proposed CSO outfall trench assumed an excavation cut of 10 feet and a 1.5 layback slope from the 5-foot wide CSO pipe platform. The sampling program characterized the estimated maximum volume (about 3,000 CY) of soil and fill material to be excavated during the construction of the CSO. Twelve soil borings were completed within the proposed excavation area completed by ADT under the supervision of Langan field engineers on September 14, 2013. Two soil borings (denoted "A" and "B") were completed within each waste characterization grid.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 10 feet bgs. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field engineers. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each grid cell. Each sample set comprised one grab sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the two soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval between the two soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Six sample sets were collected and submitted for laboratory analysis. Three trip blanks were

collected and analyzed for QA/QC purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid cell number from which a sample was collected.

Laboratory Analytical Program

All samples were containerized in laboratory-supplied glassware and submitted to Alpha via courier service under standard chain-of-custody protocol. Grab soil samples were analyzed for VOCs only by USEPA Method 8260C. No composite samples from the Proposed CSO were analyzed for paint filter. Composite soil samples were analyzed for the following parameters:

- Semi-volatile organic compounds (SVOCs) (USEPA Method 8270D)
- Polychlorinated biphenyls (PCBs) (USEPA Method 8082A)
- Organochlorine pesticides (USEPA Method 8081B)
- Herbicides (USEPA Method 8151A)
- TAL metals (USEPA Method 6010C/7471B)
- Hexavalent chromium (USEPA Method 7196A)
- Cyanide (USEPA Method 9010C/9012A)
- TCLP RCRA 8 metals (USEPA Method 1311)
- Ignitability (USEPA Method 1030)
- Corrosivity (USEPA Method 9045D)
- Cyanide Reactivity (SW846 Chapter 7.3)
- Sulfide Reactivity (SW846 Chapter 7.3)
- TPH-GRO (USEPA Method 8015C)
- TPH-DRO (USEPA Method 8015C)

Trip blanks were analyzed for VOCs only.

The laboratory was instructed to report all analytes inclusive of the USEPA TCL and 6 NYCRR Part 375 lists. In addition, the laboratory was instructed to report the analytical data as an ASP Category A data deliverable and as an EDD consistent with the NYSDEC requirements.

Field Observations

The stratigraphy within the proposed CSO trench comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to about 10 feet bgs across most of the sampling area and is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, slag, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings, except borings SB-1B, SB-6A, and SB-6B, at depths ranging from about 0 to about 10 feet bgs. Coal ash, fly ash, and/or cinders were identified in all completed borings, except borings SB-5B and SB-6B, at depths ranging from about 0 to about 10 feet bgs. Slag was identified in all completed borings, except SB-1A and SB-5A, at depths ranging from about 2 to about 10 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to 1,400 ppm. PID readings above 50 ppm were identified in borings SB-2A (2 to 9 feet bgs), SB-2B (1 to 6 feet bgs), SB-3A (6 to 10 feet bgs), SB-4A (3 to 9 feet bgs), SB-4B (6 to 8 feet bgs), SB-5A (0 to 4 and 8 to 10 feet bgs), SB-5B (0 to 10 feet bgs), and SB-6A (0 to 10 feet bgs). No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or other gross contamination was identified in any of the completed borings.

Analytical Data Review

A review of the analytical soil results indicated:

- One VOC, TCE, was detected above its Unrestricted Use SCO, but below its Restricted-Residential Use SCO in one grab soil sample from CSO_SB-06A. No other VOCs were detected above their Unrestricted Use SCO.
- Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs in four samples (CSO_COMP-01_0-10, CSO_COMP-02_0-10, CSO_COMP-03_0-10, CSO_COMP-05_0-10). Six PAHs also exceeded their Restricted-Residential Use SCOs in CSO_COMP-01_0-10. Five PAHs also exceeded their Restricted-Residential Use SCOs in COMP-02_0-10, CSO_COMP-03_0-10, CSO_COMP-05_0-10.
- Two PAHs, including benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene, exceeded their Unrestricted Use SCOs and Restricted-Residential Use SCOs in CSO_COMP-06_0-10.

- . Six PAHs also exceeded their Restricted-Residential Use SCOs in one or more composite soil samples. Total SVOC concentrations ranged from 7.46 to 51.85 mg/kg.
- No PCBs were detected above their Unrestricted Use SCOs.
- No herbicides were detected.
- One pesticide (4,4-DDT) was detected above its Unrestricted Use SCO, but below its Restricted-Residential Use SCO, in CSO_COMP-01_0-10, CSO_COMP-04_0-10, and CSO_COMP-05_0-10.
- Arsenic exceeded its Unrestricted Use and Restricted-Residential Use SCO in one composite soil sample. Lead exceeded its Unrestricted Use SCO in all composite soil samples. Lead also exceeded its Restricted-Residential Use SCO in three composite samples. Metals did not exceed their maximum concentration for the toxicity characteristic.

Conclusions

The results of the waste characterization investigation are consistent with the historical property use and confirmed the presence of historic fill material in the proposed CSO trench. Based on the analytical data generated by the investigation, excavation and disposal of hazardous waste is not expected. The nature and localized distribution of volatile and semivolatile constituents in soil do not suggest widespread releases of petroleum or hazardous substances on the site. The PAHs in soil may be attributed to pyrogenic components (e.g., coal fragments, cinders, ash, or wood fragments) of the historic fill material noted in most of the borings or to petrogenic sources, including creosote (a coal tar derivative), which was historically used as a lumber preservative. Wood chips were noted in all but three borings. The concentrations of PAHs in soil are regarded as background concentrations and considered characteristic of properties in the urban environment. The suite of metals detected in soil above their Unrestricted Use and Restricted-Residential Use SCOs are characteristic of and attributed to historic fill material. No potential current or historical sources of metals related to industrial and/or commercial activity were identified by previous environmental studies. The concentrations of metals are regarded as background concentrations and considered characteristic of properties in the urban environment.

6.0 PROJECT MANAGEMENT

6.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for the implementation and oversight of the remedial investigation and preparation of this RIR is Michael D. Burke, CHMM.

6.2 Health and Safety

All work described in this RIR was performed in compliance with applicable laws and regulations, including site and Occupational Safety and Health Administration (OSHA) worker safety requirements and HAZWOPER requirements.

6.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations. Drill cuttings were either returned to the boreholes from which they were generated or containerized in DOT-approved, 55-gallon steel drums and stored on-site pending off-site disposal. No free product or grossly-contaminated soil was encountered during the RI. Excess purge water generated during the RI was containerized in DOT-approved, 55-gallon steel drums and stored on-site pending off-site disposal.

7.0 REMEDIAL INVESTIGATION

7.1 Geophysical Survey

NOVA Geophysical Services (NOVA) of Douglaston, New York performed a geophysical survey during the period September 11-13, 2013. The purpose of the geophysical survey was to examine the site for potential underground storage tanks (USTs) identified by previous investigations as a possibility due to historic site uses and verify that the proposed soil, groundwater, and soil vapor sampling locations were clear of subsurface structures and utilities. The equipment used during the geophysical survey included the following items:

- A Geonics™ EM-61 comprehensive subsurface utility (CSUL) pipe and cable locator (an electromagnetic [EM] detector);
- A Ditch-Witch™ utility locator; and
- A 250 megahertz (MHz) ground-penetrating radar unit.

All accessible parts of Parcels E3, D1, D2, F, G and H were surveyed. The site was first screened with the GPR unit by moving the unit across the site in 3-foot by 3-foot transverses. If an anomaly was observed, the area was clearly marked and then later inspected with a Geonics™ EM-61 detector and Ditch-Witch™ utility locator to determine if the anomaly was a utility or a larger subsurface metallic object or structure. Finally, GPR profiles were collected over each metal-detector anomaly and examined for reflections, which could be indicative of USTs.

7.2 Soil Vapor Investigation

Twelve soil vapor sampling points (SV-1 to SV-12) were installed across Parcels E3, D1, D2, F, G and H by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York under the supervision of a Langan field engineer during September 16 – 17, 2013. The soil vapor sampling locations are presented on Figure 8. A GPS hand-held unit was used to record the position of all completed soil vapor locations. As presented in the RIWP, the locations were selected to characterize soil vapor quality across the development parcels, as well as to augment the existing subsurface data set. In addition, two ambient air samples (one per sampling day) and one duplicate sample were collected and analyzed for quality assurance/quality control (QA/QC) purposes. A summary of the soil vapor and QA/QC samples is presented as Table 1.

The soil vapor sampling points were installed using a track-mounted Geoprobe™ 6620DT drill rig. Soil samples were collected continuously to boring completion depth in 5-foot macrocore barrels with dedicated acetate liners. Extracted soil was classified, inspected for visual and olfactory evidence of contamination, and screened for VOCs with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. No soil samples were collected for laboratory analysis at the soil vapor sample locations. The sampling points were completed to the anticipated depth of foundation components or at least one foot above the surface of the groundwater table, whichever was shallower. The soil vapor probes were installed at depths ranging from 3 to 9 feet bgs. The sample collection points consisted of a 6-inch stainless steel screened-probe and inert 1/4-inch by 3/8-inch Teflon-lined polyethylene tubing. The annulus (i.e., the sampling zone) around the probe was filled with No. 2 pure silica sand to about 6 inches above the top of the probe. The hydrated bentonite seal was installed above the sampling zone up to the ground surface. The sampling points were completed with a protective case and a flush-mounted 5-inch manhole cover to facilitate resampling in the future. An expandable cap was placed on the top end of the sample tubing to keep it clean and dry.

Samples were collected in general accordance with the *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH October 2006). Soil vapor samples were collected a minimum of 24 hours after installing each collection point during the period September 17-18, 2013. A minimum of three implant volumes (i.e., the volume of the sample probe and tubing) was purged from each sample port at a rate of less than 0.2 liters per minute using a RAE Systems MultiRAE® meter. The purged soil vapor was monitored for volatile organic compounds (VOCs) with the MultiRAE® during purging. A helium tracer gas was used in accordance with the NYSDOH protocols to serve as a QA/QC technique to document the integrity of each soil vapor sampling point seal before and after sampling was initiated. A plastic 5-gallon bucket and hydrated bentonite were used to keep the helium tracer gas in contract with the probe during the seal integrity test. A helium monitoring instrument was used to analyze a sample of soil vapor for the tracer gas prior to sampling. All soil vapor sampling point seals were determined to be adequate before and after sampling was initiated.

Soil vapor samples were collected into laboratory-supplied batch-certified clean 1-liter Summa® canisters with calibrated flow controllers. Soil vapor sampling times ranged from 115 minutes to 129 minutes. Ambient air samples were also collected for about two hours. The duplicate sample and its parent sample were collected simultaneously using a Swagelok® 1/4-inch stainless steel union tee fitting. A log sheet for each soil vapor sample was completed to

record the following:

- Sample identification name;
- Date and time of sample collection;
- Sampling depth;
- Name of the field engineer responsible for sampling;
- Sampling methods and equipment;
- Soil vapor purge volumes;
- Volume of soil vapor extracted;
- Flow rate; and
- Vacuum of canisters before and after sample collection.

Boring logs for each soil vapor sampling point are provided as Appendix C. Soil vapor sampling logs are provided as Appendix D.

Soil vapor samples and QA/QC samples (ambient air samples and duplicate sample) were submitted to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Alpha Analytical, Inc. of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol and analyzed for VOCs by the United States USEPA Method TO-15. The laboratory was instructed to report all analytical data as an ASP Category B data deliverable, or equivalent, and as an EDD consistent with NYSDEC requirements.

7.3 Soil Investigation

Eleven soil borings (SB-16 to SB-26) were installed by AARCO Environmental Services Corp. (AARCO) of Lindenhurst, New York under the supervision of a Langan field engineer during February 24 – 27, 2014. A GPS hand-held unit was used to record the position of all completed borings. The soil boring locations are presented on Figure 9. Groundwater monitoring well locations are also shown in this figure.

Soil borings were completed using a track-mounted Geoprobe™ 7720DT direct-push drill rig equipped with a dual-tube sampling system to prevent the collapse of sidewalls and collect a core representative of the depth interval as the borings are advanced. Soil samples were collected continuously into macrocore barrels lined with 5-foot dedicated acetate sleeves. Extracted soil was screened with a photoionization detector (PID) equipped with a 10.6 electron

volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field staff. Soil borings were advanced to the groundwater interface. Soil boring logs are provided as Appendix E.

Two discrete (grab) soil samples were collected at each borings for laboratory analysis. At each boring location, one soil sample was collected from the 0 to 2 foot interval below surface cover and the second soil sample was collected at the groundwater interface because grossly contaminated soil was not observed in any boring. The groundwater interface ranged from about 5 to 10 feet bgs across the site. ENCORE® kits (5-gram) were used to collect soil samples for VOC analysis. Additional soil samples were collected at SB-20 (3-5 feet bgs) and SB-22 (6-8 feet bgs) for matrix-spike/matrix-spike duplicate (MS/MSD) samples (1 per 20 samples). In addition, two field duplicate samples (1 per 20 samples), two field blank samples (1 per 20 samples), and trip blanks (one per cooler of VOC samples) were collected and analyzed for quality assurance/quality control (QA/QC) purposes. A summary of the soil samples and QA/QC samples is presented in Tables 2 and 3, respectively.

Soil samples and QA/QC samples were collected into laboratory-supplied batch-certified clean glassware and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Alpha Analytical, Inc. of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol. Soil samples, field duplicates, field blanks, and MS/MSD samples were analyzed for the following parameters:

- Target Compound List (TCL) VOCs by USEPA Method 8260
- TCL SVOCs by USEPA Method 8270
- TCL Pesticides/PCBs by USEPA Method 8081/8082
- TCL Herbicides by USEPA Method 8151
- Target Analyte List (TAL) metals by USEPA Method 6010 and 7471
- Total Cyanide by USEPA Method 9010/9012
- Hexavalent Chromium by USEPA Method 3060/7196

Trip blanks were analyzed for VOCs only by USEPA Method 8260C. The laboratory was instructed to report all analytical data as an Analytical Services Protocol (ASP) Category B data deliverable and as an Electronic Data Deliverable (EDD) consistent with the New York State Department of Environmental Conservation (NYSDEC) requirements. The reported list of soil

results was inclusive of all parameters listed in the TCL/TAL standard list and 6 NYCRR Part 375-6.8 and most parameters listed in the NYSDEC Commissioner's Policy CP-51.

7.4 Groundwater Investigation

Eleven monitoring wells (MW-16 to MW-26) were installed by AARCO under the supervision of a Langan field engineer during the period February 24 – 27, 2014. In addition, Langan redeveloped, gauged, and sampled one permanent monitoring well (MW-28) installed by Langan's geotechnical department in 2013 and three permanent monitoring wells (MW10, MW13A, and MW14) installed by AKRF, Inc. (AKRF) as part of AKRF's Phase II Environmental Site Investigation (ESI), which was completed in 2003. The location and elevations of the new and existing monitoring wells (top of inner casing) and nearby ground surface were surveyed by Langan, a licensed NYS surveyor. The well locations are presented on Figure 9. Soil boring locations are also shown in this figure.

A permanent monitoring well was constructed at each completed soil boring with a Geoprobe® drill rig equipped with a hollow-stem auger (HSA) attachment. Monitoring wells were constructed of two-inch Schedule 40 PVC pipe with 0.010-inch slotted well screen across the groundwater interface and a #1 Morie silica sand filter pack. A one-foot annular seal of hydrated bentonite was installed above the primary filter pack. The annulus around the solid PVC pipe was filled with drill cuttings up to a cement-bentonite surface seal. All completed monitoring wells were fitted with a locking well cap, a protective case and flush-mounted manhole cover. New and existing monitoring wells were developed with a 12V submersible pump and dedicated polyethylene tubing until the purged water was visibly clear. Well construction logs are provided in Appendix F.

One groundwater sample was collected from each monitoring well in general accordance with NYSDEC DER-10 and USEPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells*. The groundwater samples were collected about one week after the monitoring wells were installed using a 12V submersible pump connected to polyethylene tubing. Before a groundwater sample was collected, the well was gauged and then continuously purged until groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) stabilized, to the extent practical, in accordance with the USEPA Low Flow Procedures. Stabilization was achieved when three consecutive readings of all parameters, to the extent practical, were within the limits specified in the USEPA Low Flow Procedures. A multi-parameter water quality

system (YSI 6920) was used to monitor the groundwater quality parameters during sampling. Purged groundwater was containerized in properly labeled 55-gallon steel drums and stored on-site prior to off-site disposal. In addition to the groundwater samples, one field duplicate sample (1 per 20 samples), one field blank sample (1 per 20 samples), one matrix-spike/matrix-spike duplicate (MS/MSD) sample (1 per 20 samples), and trip blanks (one per cooler of VOC samples) were collected and analyzed for quality QA/QC purposes. A summary of the groundwater samples and QA/QC samples is presented in Tables 4 and 5, respectively. Well sampling logs are provided in Appendix G.

Groundwater samples and QA/QC samples were collected into laboratory-supplied batch-certified clean glassware and submitted to Alpha via courier service under standard chain-of-custody protocol. Groundwater samples, field duplicates, field blanks, and MS/MSD samples were analyzed for the following analyses:

- TCL VOCs by USEPA Method 8260
- TCL SVOCs by USEPA Method 8270
- TCL Pesticides/PCBs by USEPA Method 8081/8082
- TCL Herbicides by USEPA Method 8151
- Target Analyte List (TAL) metals (total and dissolved) by USEPA Method 6010 and 7471
- Total Cyanide by USEPA Method 9010/9012
- Hexavalent Chromium by USEPA Method 3060/7196

Trip blanks were analyzed for VOCs only by USEPA Method 8260C. The laboratory was instructed to report all analytical data as an ASP Category B data deliverable and as an EDD consistent with the NYSDEC requirements. The reported list of groundwater results was inclusive of all parameters listed in the TCL/TAL standard list.

8.0 ENVIRONMENTAL EVALUATION

8.1 Regional Geology

According to United States Geologic Survey (USGS) maps and historic topographic maps, New York City geology is generally characterized by layers of fill and native soil overburden underlain by metamorphic bedrock. The native overburden generally consists of till and outwash deposits predominantly in inland areas, and riverine deposits (peat, organic silt and clay) along the shorelines that were filled in with anthropogenic materials. Three formations of metamorphic rock, the Manhattan Schist, the Inwood Marble, and the Fordham Gneiss, are commonly found in New York City.

The site is underlain by a glacial deposit known as ground moraine. New York City's subsurface soil is primarily the result of repeated glaciation and ice advancement during the Pleistocene Epoch. During ice advancement, soil and rock material scraped from the surface and pushed southward by the glaciers was deposited at the limit of the ice advance as a wall of soil and rock called a terminal moraine. The New York City area terminal moraine stretches across northern Long Island, through Staten Island and across New Jersey. When the climate moderated, the glacier began a gradual retreat northward. During the retreat, soil and rock material was still carried south in the melting glacier outwash and spread out over the ground in front of the ice as a veneer called ground moraine. The ground moraine is a widespread dense layer, consisting typically of clay, sand, and boulders, typically less than 100 feet thick.

8.2 Stratigraphy

This section summarizes the field observations recorded during the soil vapor and soil sampling programs. The stratigraphy underlying the site consists of a surficial layer of historic fill material overlying native fine- to coarse-grained sandy soil and silty soil. The surficial historic fill material generally extends from ground surface to about 10-15 feet bgs (only 3 feet bgs in some limited areas) across most of the site and is composed of varying amounts of sand, silt, gravel, coal, coal ash, cinders, slag, and brick, wood, concrete, and asphalt fragments. No visual, olfactory, or PID evidence of petroleum or other gross contamination was identified in the borings completed for the soil vapor, or soil and groundwater programs. No PID readings above site background were recorded. The soil vapor sampling probes for SV-1, SV-3, SV-4, SV-5, SV-6, SV-7, SV-9, SV-11, and SV-12, were set in historic fill material. The soil vapor sampling probes for SV-2, SV-8 and SV-10 were set in native soil.

8.3 Hydrogeology

Depth to groundwater ranged from about 6 to 10 feet bgs (about el -1 to el 2 BBHD [1]) based on a synoptic gauging event of the 15 surveyed wells on March 12, 2014. The results of the synoptic gauging event are presented in Table 6. A groundwater elevation contour map based on recorded groundwater elevations is provided as Figure 10. The groundwater elevation data indicate the direction of groundwater flow is to the west and northwest towards the confluence of the East River and Newtown Creek. Given the proximity to the East River and Newtown Creek, groundwater is expected to experience some level of tidal influence; however, tidal influence was not studied nor quantified as part of the RI. No free product was observed during sampling and gauging activities and no PID readings above site background (0.0 ppm) were recorded beneath the inner well cap.

8.4 Geophysical Survey

This section summarizes the findings of NOVA's geophysical survey. NOVA identified the following:

- Scattered and minor anomalies consistent with historic fill material and unsettled sediment were identified at about 5- to 8-feet bgs;
- A steel pipe was identified at about 2- to 3-feet bgs and trending across Parcel G from Commercial Street to the East River. This steel pipe represents the existing public CSO pipe and outfall within Parcel G;
- A steel pipe was identified at about 2- to 3-feet bgs trending across Parcel D1 from the East River Sludge Storage Tank to the East River Sludge Loading Dock. This steel pipe represents the underground NYCDEP ejection pipe linking the East River Sludge Storage Tank to the East River Sludge Loading Dock;
- Scattered linear anomalies were identified along the western parts of Parcel F and G. These anomalies may represent buried cribbing or other former bulkhead improvements or structures.
- Five anomalies consistent with monitoring wells were identified by NOVA. Langan attempted to visually and physically confirm if the anomalies were monitoring wells, but was unsuccessful in finding any monitoring wells.

[1] Datum is Borough of Brooklyn Highway Datum (BBHD) which is 2.56 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

NOVA did not identify subsurface anomalies with reflections or signatures consistent with USTs.

Areas of the site that could not be surveyed are as follows:

- Limited parts of Parcels F, G and H along the bulkhead could not be surveyed because of access constraints (i.e., metal fence) and surface obstructions (i.e., trees and piles of construction and demolition [C&D] debris from previous construction work);
- The northern boundary of Parcel H could not be surveyed because of the presence of a mobile office trailer and parked vehicles; and
- The eastern part of Parcels D1 and D2 could not be surveyed because of the presence of trailers, crane equipment and parked vehicles.

The areas that could not be surveyed were few and limited in area. The Phase I ESA included a review of NYS DEC's Petroleum Bulk Storage database, a review of historical Sanborn Maps (which often identify gasoline tanks), the results of FOIL requests to regulatory agencies, a site reconnaissance and a FDNY tank search. None of these activities identified potential USTs for the un-surveyed areas. In addition, the presence of USTs along the bulkhead would be unexpected, as they are typically located proximate to streets for ease of refueling. Langan does not consider non-surveyed areas to be significant data gaps.

A copy of NOVA's geophysical report is included as Appendix H.

8.5 Field Observations

Langan observed one unlabeled 250-gallon steel aboveground storage tank (AST), one 550-gallon steel waste oil AST, one 55-gallon steel drum of kerosene, and about two dozen 5-gallon buckets of miscellaneous petroleum products on Parcel D2 near its boundary with Parcel E3. Minor and incidental petroleum staining was observed on the surface of the concrete and asphalt pavement around these storage containers as the apparent result of perfunctory housekeeping. The ASTs appeared to be in good condition with no obvious defects, buckling or bulging, holes, or penetrations. The concrete and asphalt surface appeared to be in good condition with no obvious cracks, areas of exposed soil or vegetation. Langan found no evidence that would indicate an existing, past or material threat of release of petroleum to soil or groundwater. NOTE: These storage containers have since been removed from the site in

their entirety by the responsible tenant.

8.6 Analytical Results

8.6.1 Phase 1 RI

This section summarizes the soil vapor sample results generated by the Phase 1 RI. In total, 12 soil vapor samples and 3 QA/QC samples were collected and analyzed. The analytical soil vapor results were tabulated and, as required by OER protocol, compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs). The analytical soil vapor and QA/QC results are presented in Table 7 and Figure 11. The soil vapor analytical data reports are provided as Appendix I.

A review of the soil vapor analytical results indicated two VOCs, PCE and TCE, were detected above their AGVs at two and four sample locations, respectively. PCE was detected above its AGV (30 micrograms per cubic meter [µg/m^3]) at SV-3 and SV-4 at concentrations of 48.6 µg/m^3 and 442 µg/m^3, respectively. TCE was detected above its AGV (5 µg/m^3) at SV-1, SV-3, SV-7, and SV-11 at concentrations ranging from 7.09 µg/m^3 to 338 µg/m^3.

A summary of concentrations of PCE and TCE detected above AGVs by development parcel is presented in the table below.

Development Parcel ID	Concentrations of TCE Reported Above AGV (Sampling Location ID)	Concentrations of PCE Reported Above AGV (Sampling Location ID)
E3	7.09 µg/m^3 (SV-1)	-
D1	-	442 µg/m^3 (SV-4)
D2	11.9 µg/m^3 (SV-3)	48.6 µg/m^3 (SV-3)
F	8.38 µg/m^3 (SV-7) 338 µg/m^3 (SV-11)	-
G	-	-
H	-	-

Notes:
1. "-"AGVs not exceeded.

PCE and TCE were not detected in the two ambient air samples.

8.6.2 Phase 2 RI

This section summarizes the soil, groundwater and QA/QC sample results generated by the Phase 2 RI. A summary of the soil and groundwater analytical results is presented below by development parcel, as requested by OER. In total, 24 soil samples, 15 groundwater samples, and 19 soil and groundwater QA/QC samples were collected and analyzed.

- The soil analytical results were compared to the NYSDEC Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375-6.8(b) Restricted-Residential Use SCOs. The soil analytical results are presented in Tables 8A, 8B, and 8C and Figure 12.

- The groundwater analytical results were compared to the Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA waters. The groundwater analytical results are presented in Tables 9A, 9B, and 9C and Figure 13.

The soil and groundwater QA/QC analytical results (field blanks and trip blanks) are presented in Tables 10 and 11, respectively. Duplicate soil and groundwater sample analytical results are presented with their parent samples in Tables 8A, 8B, and 8C and Tables 9A, 9B and 9C, respectively. The full laboratory analytical data reports for soil and groundwater are included in Appendix J and K, respectively. The soil and groundwater MS/MSD analytical results are included in the data reports in Appendix J and K, respectively. A copy of Alpha's ELAP certification is provided as Appendix L.

8.6.2.1 Soil

Parcel E3

One soil boring, SB-26, was completed on Parcel E3. No VOCs, PCBs, pesticides or herbicides were detected above their Unrestricted Use SCOs at this location. Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, were detected above their Unrestricted Use SCOs in surface soil only; no SVOCs were detected above their Unrestricted Use SCOs in subsurface soil. Six PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, also

exceeded their Restricted-Residential Use SCOs in surface soil. Total SVOCs were detected at a concentration of 111.2 milligrams per kilogram (mg/kg) in surface soil. Six metals (arsenic, copper, lead, mercury, selenium, and zinc) were detected above their Unrestricted Use SCOs in surface soil. Arsenic also exceeded its Restricted-Residential Use SCO (16 mg/kg) in surface soil at a concentration of 24 mg/kg. Manganese exceeded its Restricted-Residential Use SCO (2,000 mg/kg) in subsurface soil (8.5-10.5 feet bgs) at a concentration of 4,000 mg/kg. No other metals were detected above their Unrestricted Use SCOs in subsurface soil.

Parcel G

Two soil borings, SB-19 and SB-23, were completed on Parcel G.

At SB-19, no VOCs, PCBs, pesticides, or herbicides were detected above their Unrestricted Use SCOs. Five SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, were detected above their Unrestricted Use SCOs in surface soil (0-2 feet bgs) only. Four PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-c,d)pyrene also exceeded their Restricted-Residential Use SCOs in surface soil only. Total SVOCs in surface soil were detected at a concentration of 14.49 mg/kg and at an estimated concentration of 0.665 mg/kg in subsurface soil. Four metals (arsenic, copper, lead and mercury) were detected above their Unrestricted Use SCOs in surface soil. Arsenic and lead also exceeded their Restricted-Residential Use SCOs (16 mg/kg and 400 mg/kg, respectively) in surface soil at concentrations of 25 mg/kg and 1,800 mg/kg, respectively. Lead and mercury were detected above their Unrestricted Use SCOs, but below their Restricted-Residential Use SCOs in subsurface soil (7-9 feet bgs). No other metals were detected above their Unrestricted Use SCOs in subsurface soil.

At SB-23, no VOCs, PCBs or herbicides were detected above their Unrestricted Use SCOs. Four SVOCs, all PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene were detected above their Unrestricted Use SCOs in surface soil (0-2 feet bgs). Three PAHs exceeded their Restricted-Residential Use SCOs in surface soil. Total SVOCs in surface soil were detected at a concentration of 12.27 mg/kg. Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, were detected above their Unrestricted Use SCOs in subsurface soil (6.5-8.5 feet bgs). Five PAHs

exceeded their Restricted-Residential Use SCOs in subsurface soil. Total SVOCs in subsurface soil were detected at a concentration of 42.38 mg/kg. One pesticide (4,4-DDD) was above its Unrestricted Use SCO (0.0033 mg/kg), but below its Restricted-Residential Use SCO (13 mg/kg), at a concentration of 0.00775 mg/kg in surface soil only. Five metals (arsenic, copper, lead, mercury, and zinc) were detected above their Unrestricted Use SCOs in surface and subsurface soil. Mercury also exceeded its Restricted-Residential Use SCO (0.81 mg/kg) in subsurface soil only at a concentration of 1.4 mg/kg.

Parcel F

Three soil borings, SB-18, SB-21, and SB-22, were completed on Parcel F.

At SB-18, no VOCs, SVOCs, PCBs, and herbicides were detected above their Unrestricted Use SCOs. One pesticide (4,4-DDE) was detected above its Unrestricted Use SCO (0.0033 mg/kg), but below its Restricted-Residential Use SCO (8.9 mg/kg) at a concentration of 0.0658 mg/kgsurface soil. Three metals (lead, mercury, and zinc) were detected above their Unrestricted Use SCOs, but below their Restricted-Residential Use SCOs, in surface soil. Four metals (arsenic, lead, mercury, and zinc) were detected above their Unrestricted Use SCOs in subsurface soil. Arsenic also exceeded its Restricted-Residential Use SCO (16 mg/kg) at a concentration of 37 mg/kg in the subsurface soil sample.

At SB-21, no VOCs or PCBs were detected above their Unrestricted Use SCOs and no herbicides were detected. One PAH, indeno-(1,2,3-cd)-pyrene, was detected above its Restricted-Residential Use SCO (0.5 mg/kg) at a concentration of 0.72 mg/kg in surface soil (0-2 feet bgs) only; no other SVOCs were detected in either soil sample. Two pesticides (4,4-DDE and 4,4-DDT) were detected above their Unrestricted Use SCOs, but below their Restricted-Residential Use SCOs, in surface soil only. Three metals (copper, lead, and zinc) were detected above their Unrestricted Use SCOs in surface soil. Lead also exceeded its Restricted-Residential Use SCO (400 mg/kg) in surface soil at a concentration of 770 mg/kg. Four metals (copper, lead, mercury, and zinc) were detected above their Unrestricted Use SCOs in subsurface soil. Mercury also exceeded its Restricted-Residential Use SCO (0.81 mg/kg) in surface soil at a concentration of 1.4 mg/kg in the subsurface sample.

At SB-22, three soil samples were collected: 0-2 feet bgs, 3.5-5.5 feet bgs and 6-8 feet bgs. No PCBs were detected above their Unrestricted Use SCOs and no herbicides were detected. One

VOC, trichloroethylene (TCE), was detected slightly above its Unrestricted Use SCO, but below its Restricted-Residential Use SCO, in the intermediate soil sample (3.5-5.5 feet bgs). Eight SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, and indeno(1,2,3-c,d)pyrene were detected above their Unrestricted Use SCOs in surface soil (0-2 feet bgs); seven of these PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene also slightly exceeded their Restricted-Residential Use SCOs in surface soil. Total SVOCs in surface soil were detected at a concentration of 306.38 mg/kg. Seven PAHs exceeded their Restricted-Residential Use SCOs in intermediate soil. Total SVOCs in intermediate subsurface soil were detected at a concentration of 178.49 mg/kg. No SVOCs were detected above their Unrestricted Use SCOs in subsurface soil (6-8 feet bgs). This interval represents the transition between historic fill material and native soil. One pesticide (4,4-DDT) was detected above its Unrestricted Use SCO (0.0033 mg/kg), but below its Restricted-Residential Use SCO (7.9 mg/kg), in at a concentration of 0.00705 mg/kg in surface soil only. Ten metals (arsenic, barium, beryllium, cadmium, trivalent chromium, copper, lead, mercury, nickel and zinc) were detected above their Unrestricted Use SCOs in surface soil, intermediate soil, and/or subsurface soil:

- Arsenic exceeded its Restricted-Residential Use SCO (16 mg/kg) at concentrations ranging from 17 – 33 mg/kg in surface, intermediate and subsurface soil.
- Barium exceeded its Restricted-Residential Use SCO (400 mg/kg) at a concentration of 550 mg/kg in surface soil only.
- Cadmium exceeded its Restricted-Residential Use SCO (4.3 mg/kg) at a concentration of 22 mg/kg in intermediate soil only.
- Copper exceeded its Restricted-Residential Use SCO (270 mg/kg) at a concentration of 2,500 mg/kg in surface soil only.
- Lead exceeded its Restricted-Residential Use SCO (400 mg/kg) at concentrations ranging from 460 – 3,300 mg/kg in surface, intermediate and subsurface soil. The highest concentration of lead was found in surface soil.
- Mercury exceeded its Restricted-Residential Use SCO (0.81 mg/kg) at a concentration of 2.2 mg/kg in intermediate soil.
- Nickel exceeded its Restricted-Residential Use SCO (310 mg/kg) at a concentration of 320 mg/kg in surface soil only.
- Zinc exceeded its Restricted-Residential Use SCO (10,000 mg/kg) at concentrations

ranging from 14,000 – 19,000 mg/kg in surface and intermediate soil.

Parcel H

Two soil borings, SB-20 and SB-24, were completed on Parcel H.

At SB-20, three soil samples were collected: 0-2 feet bgs, 3-5 feet bgs and 6-8 feet bgs. No VOCs were detected above their Unrestricted Use SCOs and no PCBs, pesticides or herbicides were detected in surface soil, intermediate subsurface soil, or subsurface soil. Eight SVOCs, including 3-methylphenol/4-methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene were detected above their Unrestricted Use SCOs in surface soil (0-2 feet bgs); seven of these PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene also slightly exceeded their Restricted-Residential Use SCOs in surface soil. Total SVOCs in surface soil were detected at a concentration of 219.16 mg/kg. Six SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene were detected above their Unrestricted Use SCOs in intermediate soil (3-5 feet bgs); four of these PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene exceeded their Restricted-Residential Use SCOs in intermediate soil. Total SVOCs in intermediate soil were detected at a concentration of 28.56 mg/kg. Three PAHs, including benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene exceeded their Unrestricted Use SCOs in subsurface soil (8-10 feet bgs), two of which (benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene also exceeded Restricted-Residential Use SCOs. Total SVOCs in subsurface soil were detected at a concentration of 13.36 mg/kg. Five metals (arsenic, copper, lead, mercury, and zinc) were detected above their Unrestricted Use SCOs in surface soil, intermediate subsurface soil, and/or subsurface soil. Lead exceeded its Restricted-Residential Use SCO (400 mg/kg) in intermediate subsurface soil only at a concentration of 780 mg/kg.

At SB-24, no VOCs were detected above their Unrestricted Use SCOs and no PCBs, pesticides, and herbicides were detected. Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene, were detected above their Unrestricted Use SCOs and Restricted-Residential Use SCOs in surface soil (0-2 feet bgs) only. Total SVOCs in surface soil were

detected at a concentration of 223.14 mg/kg. No SVOCs were detected above their Unrestricted Use SCOs in subsurface soil (5.5-7.5 feet bgs). Five metals (arsenic, barium, copper, lead, and zinc) were detected above their Unrestricted Use SCOs in surface soil and/or subsurface soil. Lead also exceeded its Restricted-Residential SCO (400 mg/kg) in surface soil only at a concentration of 830 mg/kg.

Parcel D1

One soil boring, SB-17, was completed on Parcel D1. No VOCs or SVOCs were detected above their Unrestricted Use SCOs and no herbicides were detected. Total PCBs were detected above the Restricted-Residential Use SCO (1 mg/kg) at a concentration of 6.29 mg/kg in surface soil (0-2 feet bgs) only. One pesticide (4,4-DDE) was detected above its Unrestricted Use SCO (0.0033 mg/kg), but below its Restricted-Residential Use SCO (8.9 mg/kg), at a concentration of 0.395 mg/kg in surface soil; no pesticides were detected in the subsurface sample. Six metals (arsenic, cadmium, copper, lead, mercury, and zinc) were detected above their Unrestricted Use SCOs. Arsenic, cadmium, and lead also exceeded their Restricted-Residential Use SCOs in surface soil. Arsenic exceeded its Restricted-Residential Use SCO (16 mg/kg) at a concentration of 74 mg/kg. Cadmium exceeded its Restricted-Residential Use SCO (4.3 mg/kg) at a concentration of 5.6 mg/kg. Lead exceeded its Restricted-Residential Use SCO (400 mg/kg) at a concentration of 4,600 mg/kg. No metals exceeded their Unrestricted Use SCOs in the subsurface soil sample.

Parcel D2

Two soil borings, SB-16 and SB-25, were completed on Parcel D2.

At SB-16, no VOCs, SVOCs, PCBs, pesticides, herbicides or metals were detected above their Unrestricted Use SCOs in subsurface soil (7-9 feet bgs). This interval represents native soil.

Two VOCs, benzene and total xylenes, were detected above their Unrestricted Use SCOs, but below their Restricted-Residential Use SCOs, at concentrations of 0.12 mg/kg and 0.56 mg/kg, respectively, in surface soil only. No SVOCs were detected above their Unrestricted Use SCOs in the surface or subsurface soil samples; however, five SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene were detected above their Unrestricted Use SCOs in the duplicate surface sample.

Four PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-c,d)pyrene also slightly exceeded their Restricted-Residential Use SCOs in the duplicate surface soil (0-2 feet bgs) sample. Total PCBs and three pesticides (4,4-DDD, 4,4-DDE, and 4,4-DDT) were detected above their Unrestricted Use SCOs, but below their Restricted-Residential Use SCOs, in surface soil only. Total PCBs exceeded its Unrestricted Use SCO at a concentration of 0.93 mg/kg. 4,4-DDD, 4,4-DDE and 4,4-DDT exceeded their Unrestricted Use SCOs at concentrations of 0.126 mg/kg, 0.623 mg/kg, and 0.624 mg/kg, respectively. No herbicides were detected above their Unrestricted Use SCOs. Four metals (copper, lead, mercury, and zinc) were detected above their Unrestricted Use SCOs in surface soil only. Lead also exceeded its Restricted-Residential Use SCO (400 mg/kg) in surface soil at a concentration of 1,000 mg/kg in the duplicate surface sample.

At SB-25, two VOCs, benzene and total xylenes, were detected above their Unrestricted Use SCOs, but below their Restricted-Residential Use SCOs, at concentrations of 0.2 mg/kg and 0.489 mg/kg, respectively, in surface soil (0-2 feet bgs) only. Seven SVOCs, all PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene were detected above their Unrestricted Use SCOs, in subsurface soil (8-10 feet bgs) only. Five PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-c,d)pyrene also exceeded their Restricted-Residential Use SCOs in the subsurface soil sample. Total SVOCs in subsurface soil were detected at a concentration of 51.3 mg/kg. Total PCBs were detected above their Unrestricted Use SCO (0.1 mg/kg), but below their Restricted-Residential Use SCO (1 mg/kg), in surface soil at a concentration of 0.5792 mg/kg and in subsurface soil at an estimated concentration of 0.2455 mg/kg. One pesticide (4,4-DDT) was detected above its Unrestricted Use SCO (0.0033 mg/kg), but below its Restricted-Residential Use SCO (7.9 mg/kg), in at an estimated concentration of 0.0202 mg/kg in surface soil. No herbicides were detected above their Unrestricted Use SCOs. Three metals (lead, mercury, and zinc) were detected above their Unrestricted Use SCOs, but below their Restricted-Residential Use SCOs in surface soil. Three metals (arsenic, copper, and lead) were detected above their Unrestricted Use SCOs in subsurface soil. Arsenic also exceeded its Restricted-Residential Use SCO (16 mg/kg) at a concentration of 29 mg/kg in the subsurface soil sample.

8.6.2.2 Groundwater

Parcel E3

One monitoring well, MW-26, was sampled on Parcel E3. No VOCs and SVOCs were detected above their TOGS SGVs. No PCBs, pesticides, and herbicides were detected. Two metals (iron and sodium) were detected in total and dissolved concentrations above their TOGS SGVs.

Parcel G

Two monitoring wells, MW-19 and MW-23, were sampled on Parcel G.

At MW-19, no VOCs, PCBs, pesticides, and herbicides were detected. Four PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, slightly exceeded their TOGS SGVs. Five metals (iron, lead, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Four metals (iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs.

At MW-23, no VOCs, PCBs, pesticides, and herbicides were detected. Two PAHs, including benzo(a)pyrene and benzo(k)fluoranthene, slightly exceeded their TOGS SGVs. Five metals (iron, lead, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Four metals (iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs.

Parcel F

Six monitoring wells, MW13A, MW14, MW-18, MW-21, MW-22, and MW-28, were sampled on Parcel F.

At MW-13A, no VOCs, PCBs, pesticides, and herbicides were detected. One PAH, benzo(a)pyrene, slightly exceeded its TOGS SGV (0 µg/L) at a concentration of 0.13 µg/L. Five metals (iron, magnesium, manganese, selenium, and sodium) were detected in total concentrations above their TOGS SGVs. Five metals (antimony, magnesium, manganese, selenium, and sodium) were detected in dissolved concentrations above their TOGS SGVs. Selenium exceeded its TOGS SGV (10 µg/L) at an estimated dissolved concentration of 12.4 µg/L.

At MW14, no VOCs were detected above their TOGS SGVs. No PCBs, pesticides, and herbicides were detected. One PAH, benzo(k)fluoranthene, slightly exceeded its TOGS SGV

(0.002 µg/L) at a concentration of 0.07 µg/L. Three metals (iron, manganese, sodium) were detected in total and dissolved concentrations above their TOGS SGVs.

At MW-18, two VOCs, cis-1,2-dichloroethene and vinyl chloride, were detected above their TOGS SGVs (5 µg/L and 2 µg/L, respectively) at concentrations of 19 µg/L and 4.4 µg/L. No PCBs, pesticides, and herbicides were detected. Five PAHs slightly exceeded their TOGS SGVs. Five metals (iron, lead, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Lead exceeded its TOGs SGV (25 µg/L) at a concentration of 77.7 µg/L. Four metals (iron, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs.

At MW-21, one VOC, p-isopropyltoluene, was detected above its TOGS SGV (5 µg/L) at a concentration of 27 µg/L. No PCBs, pesticides, and herbicides were detected. Five PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene slightly exceeded their TOGS SGVs. Bis(2-ethylhexyl)phthalate also slightly exceeded its TOGS SGV (5 µg/L) at a concentration of 5.2 µg/L. Four metals (iron, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Four metals (antimony, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs.

At MW-22, no VOCs, PCBs, pesticides, and herbicides were detected. Five PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, slightly exceeded their TOGS SGVs. Bis(2-ethylhexyl)phthalate also slightly exceeded its TOGS SGV (5 µg/L) at a concentration of 5.6 µg/L. Four metals (iron, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Four metals (antimony, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs.

At MW-28, no VOCs were detected above their TOGS SGVs. No PCBs, pesticides, and herbicides were detected. Five PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, slightly exceeded their TOGS SGVs. Four metals (iron, magnesium, manganese, and sodium) were detected in total and dissolved concentrations above their TOGS SGVs.

Parcel H

Two monitoring wells, MW-20 and MW-24, were sampled on Parcel H.

At MW-20, no VOCs or SVOCs were detected above their TOGS SGVs. No PCBs, pesticides, and herbicides were detected. Four metals (iron, magnesium, manganese, and sodium) were detected in total and dissolved concentrations above their TOGS SGVs.

At MW-24, no VOCs, PCBs, pesticides, and herbicides were detected. Five PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene slightly exceeded their TOGS SGVs. Four metals (iron, magnesium, manganese, and sodium) were detected in total concentrations above their TOGS SGVs. Four metals (antimony, magnesium, manganese, and sodium) were detected in dissolved concentrations above their TOGS SGVs.

Parcel D1

Two monitoring wells, MW10 and MW-17, were sampled on Parcel D1.

At MW10, no PCBs, pesticides, and herbicides were detected. Naphthalene was detected in both VOC and SVOC analysis slightly exceeded its TOGS SGV (10 µg/L) at concentrations of 43 µg/L and 17 µg/L, respectively. Four metals (iron, magnesium, manganese, and sodium) were detected in total and dissolved concentrations above their TOGS SGVs.

At MW-17, no VOCs were detected above their TOGS SGVs. No PCBs, pesticides, and herbicides were detected. Four PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene, slightly exceeded their TOGS SGVs. Five metals (antimony, iron, magnesium, manganese, and sodium) were detected in total and dissolved concentrations above their TOGS SGVs.

Parcel D2

Two monitoring wells, MW-16 and MW-25, were sampled on Parcel D2.

At MW-16, no VOCs were detected above their TOGS SGVs. No PCBs, pesticides, and herbicides were detected. Four PAHs slightly exceeded their TOGS SGVs. Four metals (iron,

magnesium, manganese, and sodium) were detected in total and dissolved concentrations above their TOGS SGVs.

At MW-25, no VOCs, PCBs, pesticides, and herbicides were detected. Four PAHs, including benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-c,d)pyrene slightly exceeded their TOGS SGVs. Five metals (iron, magnesium, selenium, sodium, and thallium) were detected in total concentrations above their TOGS SGVs. Six metals (antimony, iron, magnesium, selenium, sodium, and thallium) were detected in dissolved concentrations above their TOGS SGVs.

8.6.3 Analytical Data Review

8.6.3.1 Soil Vapor

PCE and TCE were reported at concentrations above their AGVs in soil vapor at several sample locations. No other VOCs were detected above applicable regulatory criteria. The reported detections of PCE and TCE above their AGVs are limited to samples collected from surficial historic fill material and confined to three geographically limited areas of the site. The first area encompasses SV-1 on Parcel E3. The second area encompasses SV-3 and SV-4 across Parcels D1 and D2. The third area encompasses SV-7 and SV-11 on Parcel F.

8.6.3.2 Soil

The analytical results are generally consistent with the existing data set from previous studies performed on the site and development property, confirmed the presence of urban fill across the site and do not indicate significant or extensive soil contamination across the site associated with releases of petroleum or hazardous substances.

The petroleum constituents (benzene and total xylenes) detected in surficial soil (0-2 feet bgs) in Parcel D2 (SB-16 and SB-25) at concentrations slightly above their Unrestricted Use SCOs are likely attributable to incidental releases of petroleum products from vehicle traffic and/or equipment maintenance operations associated with the property's current use as a crane equipment storage yard or historical petroleum storage at the property. Benzene was also detected in subsurface soil in SB-25, but at a concentration below its Unrestricted Use SCO. Xylenes were not detected in subsurface soil in SB-25. Therefore, the impacted area appears confined to surficial soil.

TCE was detected in intermediate soil (3.5-5.5 feet bgs) in SB-22 at a concentration of 0.67 mg/kg slightly above its Unrestricted Use SCO (0.47 mg/kg) and is likely attributable to the quality of historic fill material present at this sampling location. The boring log for SB-22 indicated historic fill material with ceramic fragments [2]. TCE was detected below its Unrestricted Use SCO in surficial soil (0-2 feet bgs) and subsurface soil (6-8 feet bgs) in SB-22 and in the two soil samples collected from neighboring SB-21. The boring logs for SB-21 and SB-22 did not indicate any evidence of staining or odors.

The SVOCs identified in soil above their Unrestricted Use and Restricted-Residential SCOs were generally uniformly distributed across the site and generally limited to surficial (about 0-2 feet bgs) and intermediate (about 3-5 feet bgs) soil, although SVOCs were identified in deeper subsurface soil (about 8-10 feet bgs) in isolated areas where historic fill material was present at this depth interval. The SVOCs, primarily PAHs, may be attributed to pyrogenic components (e.g., coal fragments, wood fragments, cinders, or ash) noted in most of the borings or to petrogenic sources, including creosote (a coal tar derivative), which was historically used as a lumber preservative. Wood chips were noted in borings. The lack of widespread, surficial and high concentrations of naphthalene indicates that wood treatment did not occur on the site; rather, the presence of low levels of naphthalene identified in isolated areas in soil and the presence of wood chips suggests that treated wood was stored on the site. The concentrations of PAHs in soil are regarded as background concentrations and considered as characteristic of properties in the urban environment. Total SVOC concentrations ranged from non-detect to 306.38 mg/kg. The highest concentration of total PAHs in soil was found in Parcel F (SB-22) only. All other total SVOC concentrations at the site were below 250 ppm.

PCBs were detected in soil above their Unrestricted Use SCOs in Parcels D1 and D2 (SB-16, SB-17 and SB-25). PCBs were generally found in surficial soil (0-2 feet bgs); however, PCBs were also detected in subsurface soil (8-10 feet bgs) in SB-25. The presence of PCBs is attributed to the historic fill material placed in this area during the PCBs availability period.[3] The concentrations of PCBs in soil are regarded as background concentrations and do not indicate the presence of source material at the site. No evidence of primary sources (e.g. transformers)

[2] TCE is a common ingredient in paints, stains, varnishes and finishes (Toxicological Profile for Trichloroethylene by US Department of Health and Human Services [1997]).

[3] Commercial production of PCBs in the United States began in 1929 and ended in 1979 (Environmental Forensics: Contaminant Specific Guide [2005]). Historical aerial photography available on the NYC City Map (http://gis.nyc.gov/doitt/nycitymap) indicates historical land filling activities occurred at the site as early as circa 1924 and through circa 1996.

and secondary sources (e.g. carrier fluids) were identified by previous environmental studies (AKRF's Phase I ESA), previous subsurface investigations (AKRF Phase II ESI), and this RI.

Pesticides in soil are distributed randomly across the site and are limited to surficial soil (0-2 feet bgs). The presence of pesticides in surficial soil may be attributed to historical application of pesticides, which are known to persist in the environment, or historic fill material. No herbicides were detected above their Unrestricted Use SCOs.

The suite of metals (arsenic, cadmium, copper, lead, mercury, and zinc) frequently detected in soil across the site above their Unrestricted Use and Restricted-Residential SCOs were generally uniformly distributed across the site and found in surficial and subsurface soil where historic fill material was present at depth. This suite of metals and their concentrations are characteristic of and attributed to historic fill material. No potential current or historical sources of metals related to industrial and/or commercial activity were identified for the site by previous environmental studies (AKRF's Phase I ESA). The concentrations of metals are regarded as background concentrations and considered as characteristic of properties in the urban environment. The highest concentration of metals was found in Parcels D1 (SB-17) and Parcel F (SB-22). The elevated arsenic, mercury and lead concentrations were found in the soil samples collected at shallow and intermediate depths. Native soil exhibited some arsenic, mercury and lead concentrations above their Unrestricted Use SCOs, but all concentrations were below their Restricted-Residential Use SCOs.

8.6.3.3 Groundwater

The analytical results are generally consistent with the existing data set from previous studies performed on the site and development property and do not indicate significant or extensive groundwater contamination across the site. No PCBs, pesticides, or herbicides were detected in groundwater.

When MW-13A was sampled in 2003, ten typical petroleum constituents (including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, benzene, ethylbenzene, naphthalene, styrene, toluene, and total xylenes) were reported at concentrations above their TOGS SGVs. The *RIWP* attributed the presence of these petroleum constituents to a potential on-site source related to historical property use and historical storage of petroleum. The geophysical survey did not identify any evidence of underground petroleum storage near MW-13A. None of these petroleum constituents were detected in the groundwater sample

collected from MW-13A in 2014. The 2014 groundwater results confirm that the potential on-site source of the petroleum constituents degraded naturally and is now absent. Because this monitoring well is located proximate to the East River, it is possible that tidal influence played a role in the notable decrease in petroleum constituents detected in groundwater over time.

The two VOCs (cis-1,2-dichloroethene and vinyl chloride) detected in groundwater at MW-18 above their TOGS SGVs were also detected in soil vapor at SV-7, which was located directly adjacent to MW-18. The two VOCs are known degradation products of TCE. TCE was not detected at SB-18 in surface or subsurface soil at the groundwater interface, but was detected in groundwater at MW-18 at a low estimated concentration (0.42 µg/L). The boring log for SB-18 indicated historic fill material with wood fragments[4] was observed at the groundwater interface. TCE was detected in soil vapor at SV-7 at a concentration one order of magnitude below the reported concentrations of cis-1,2-dichloroethene and vinyl chloride, suggesting degradation of the source material. Neither TCE, cis-1,2-dichloroethene nor vinyl chloride were detected in monitoring well MW-14 proximate to monitoring well MW-18, suggesting the impacted area is localized. Monitoring well MW-18 is located on the upgradient portion of the site. Therefore, the detections of cis-1,2-dichloroethene and vinyl chloride in groundwater may be attributed to the degradation of the negligible amount of TCE adsorbed to suspended solids (derived from historic fill material and/or wood fragments) in groundwater (turbidity at the time of sampling was greater than 5 NTU) or to a potential off-site source. In addition, the results indicate no ongoing source of TCE in the vicinity of this sampling area; the residual TCE and its daughter products are expected to continue to degrade over time via reductive dechlorination under natural anaerobic conditions.

The only other VOCs detected in groundwater (naphthalene in MW10 and p-isopropyltoluene in MW-21) above their TOGS SGVs are attributed to the presence of suspended solids in groundwater derived from historic fill material, which extends into the groundwater table across most of the site. Turbidity was greater than 5 NTU at both locations during sampling. AKRF's boring log for MW10 identified wood fragments in historic fill material at the groundwater interface.

The PAHs commonly detected in groundwater slightly above their TOGS SGVs were also detected in soil across the site and are also attributed to the presence of suspended solids in

[4] TCE is a common ingredient in paints, stains, varnishes and finishes (Toxicological Profile for Trichloroethylene by US Department of Health and Human Services [1997]).

groundwater derived from historic fill material. The turbidity of the groundwater samples ranged from 0 to 117 NTU (MW-22) with most turbidity readings falling under 30 NTU.

The metals (iron, magnesium, manganese, and sodium) frequently detected in groundwater above their TOGS SGVs were seldom detected in soil across the site and are characteristic of brackish and naturally-occurring groundwater conditions. A comparison of the filtered and unfiltered metals detected in groundwater did not indicate a significant reduction in metals concentrations with the exception of lead. Lead was detected only in total concentrations slightly above its TOGS SGV in four groundwater samples; lead was not detected in dissolved concentrations above its TOGS SGV in the same samples. The presence of lead in groundwater is attributed to the presence of suspended solids derived from historic fill material, which was generally found to contain lead, and extends into the groundwater table across most of the site. The total and dissolved concentrations of iron, magnesium, and managanese in groundwater can be attributed to the natural weathering of iron-, magnesium-, and manganese-bearing minerals in soil and sediment. Because the metals most frequently detected in groundwater above their TOGS SGVs are indicative of brackish and naturally-occurring groundwater conditions and a comparison of the filtered and unfiltered metals detected in groundwater did not indicate a significant reduction in concentrations for these metals, the quality of groundwater with respect to metals is primarily influenced by its true natural and brackish condition, which demonstrates that groundwater at the site directly communicates with the estuarine waters of the East River and Newtown Creek.

8.7 Evaluation of Soil Vapor Results

One of the objectives of the Phase 2 RI was to examine soil and groundwater quality at the soil vapor sampling locations (SV-1, SV-3, SV-4, SV-7, and SV-11) installed during Langan's Interim Phase 1 RI where PCE and/or TCE were identified in soil vapor. The soil vapor results from the Phase 1 RI are presented on Figure 11.

MW-18 was installed next to SV-7 where TCE was detected above its New York State Department of Health (NYSDOH) Air Guidance Value (AGV). The distance between MW-18 and SV-7 is about 25 feet. TCE was not detected in surface or subsurface soil at the groundwater interface at SB-18, but was detected in groundwater at MW-18 at a low estimated concentration (0.42 µg/L) below its TOGS SGV (5 µg/L). Daughter products (cis-1,2-dichloroethene and vinyl chloride) were detected in MW-18 above TOGS SGVs. The presence

of chlorinated solvents in groundwater at MW-18 may be attributed to the presence of a negligible amount of TCE adsorbed to suspended solids (derived from historic fill material and/or wood fragments) in groundwater or a potential off-site source, as MW-18 is located in an upgradient area of the site. TCE in groundwater is likely the source of the TCE detected in soil vapor at SV-7. The presence of TCE's degradation products in groundwater and soil vapor indicates that there is no ongoing source of TCE in the vicinity of this sampling area and that the residual TCE is degrading under anaerobic conditions. It should also be noted that neither TCE nor degradation products were detected in nearby monitoring well MW-14, indicating a localized condition.

Soil borings and groundwater monitoring wells were located and sampled proximate to SV-1 (MW-26), SV-3 (MW-25), SV-4 (MW-17) and SV-11 (MW-22) to evaluate possible sources for PCE and TCE detected in soil vapor. At each boring/monitoring well location, neither PCE nor TCE were detected in soil or groundwater. These data indicate that the presence of PCE and TCE in soil vapor in these locations is not likely the result of a release of solvents to the areas; rather, it is more likely attributable to localized sources of PCE and TCE in historic fill material proximate to where the sampling probes were installed.

9.0 CONCLUSIONS AND RECOMMENDATIONS

9.1 Conclusions

Based on the geophysical survey results, field observations, and soil vapor, soil, and groundwater analytical data presented in this report, the following conclusions were reached:

- The geophysical survey did not identify subsurface anomalies with reflections or signatures consistent with USTs;
- The stratigraphy underlying the site consists of a surficial layer of historic fill material overlying native fine- to coarse-grained sandy soil and silty soil. The surficial historic fill material extends from ground surface to about 10-15 feet bgs across most of the site (but only 3 feet bgs in some areas) and is composed of varying amounts of sand, silt, gravel, coal, coal ash, cinders, slag, and brick, wood, concrete, and asphalt fragments;
- No visual, olfactory, or PID evidence of petroleum or other gross contamination was identified in the borings completed for the soil vapor, soil and groundwater programs.
- PCE and TCE were reported at concentrations above their AGVs in soil vapor at several sample locations. No other VOCs were detected above applicable regulatory criteria. The PCE and TCE detections are limited to surficial historic fill material and confined to three geographically limited areas of the site. Previous investigations and the RI did not identify PCE or TCE in soil or groundwater above applicable regulatory criteria. With the exception of one soil vapor sampling location, PCE and TCE were not detected in soil or groundwater in nearby soil and groundwater testing locations. Therefore, the presence of PCE and TCE in soil vapor in all but one of these locations is not likely the result of a release of solvents to the areas; rather, it is more likely attributable to localized sources of PCE and TCE in historic fill material proximate to where the sampling probes were installed The one sampling area (SV-7 and MW-18) where solvents were detected in both soil vapor and groundwater is located in a hydraulically upgradient location on the site, suggesting a possible off-site source.
- The results of Phase 2 RI are consistent with the property's historical light industrial use for the storage of coal/lumber and heavy equipment and machinery, confirm the presence of historic fill material[5] across the site, support and confirm the findings from

[5] As defined by NYS DEC's DER-10 Technical Guidance for Site Investigation and Remediation, Section 1.3 (b) 25: "Historic fill material" means non-indigenous or non-native material, historically deposited or disposed in the general area of, or on, a site to create useable land by filling water bodies, wetlands or topographic depressions, which is in no way connected with the subsequent operations at the location of the emplacement, and which prior to

previous environmental investigations across the site and development property, and are consistent with what one would expect to find on urban waterfront property across New York City.

- The nature and highly localized distribution of volatile constituents in soil and groundwater does not suggest widespread releases of petroleum or hazardous substances on the site.
- Although the site functioned as a lumber yard for almost a century, there was no indication in soil and groundwater that lumber treatment (e.g. creosote) occurred with any frequency (if at all) across the site. The presence of wood fragments in soil borings is the likely source of the inorganic (e.g. arsenic) and organic constituents (e.g., TCE and naphthalene), commonly used in wood finishing, treatment and preservative products, that were observed in soil and fill material in localized areas across the site.
- No indication of primary (e.g., transformers) or secondary sources (e.g., carrier fluids) of PCBs was observed at the site. The concentrations and distribution of PCBs are consistent with what might be expected in typical historic urban fill material. No historic uses of the site are known to be associated with a high likelihood of PCB use. Thus, the presence of PCBs in on-site soil is associated with the presence of historic fill material. No PCBs were detected in groundwater at the site.
- The suite of SVOCs, primarily PAHs, found in soil and groundwater are attributed to historic fill material and are regarded as background concentrations and considered as characteristic of properties in the urban environment.
- The suite of metals and their concentrations detected in soil across the site are characteristic of and attributed to historic fill material. No potential current or historical sources of metals related to industrial and/or commercial activity on the site were identified by previous environmental studies. The concentrations of metals in soil are regarded as background concentrations and considered characteristic of properties in the urban environment.
- The metals (iron, magnesium, manganese, and sodium) frequently detected in groundwater above their TOGS SGVs were seldom detected in soil and are characteristic of saline groundwater conditions. This demonstrates that the site groundwater directly communicates with the estuarine waters of the East River and Newtown Creek.

emplacement. Historic fill may be solid waste including, but not limited to, coal ash, wood ash, municipal solid waste incinerator ash, construction and demolition debris, dredged sediments, railroad ballast, refuse and land clearing debris, which was used prior to October 10, 1962. [see 6 NYCRR 375-1.2(x)].

9.2 Recommendations

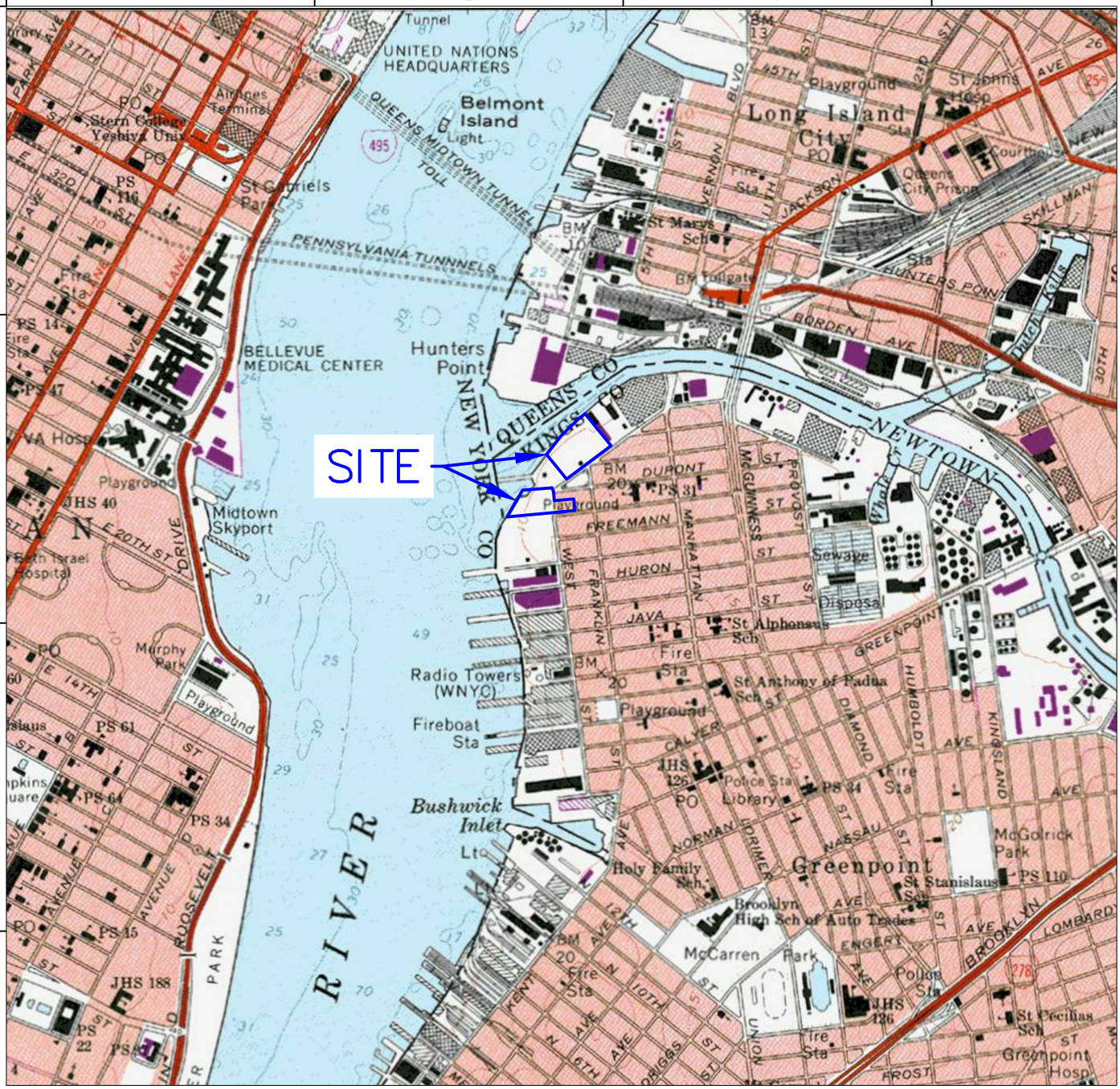
This RIR and the results of previous environmental investigations provide area-wide information for establishing remedial action objectives, evaluating remedial action alternatives, and selecting a remedy that is protective of human health and the environment that is consistent with the proposed use of the site. Supplemental remedial investigations of Parcel G2 and E3 were requested by the OER in a meeting with the agency on April 8, 2014. As each parcel to be proposed for development, a separate supplemental remedial investigation report for each parcel will be prepared in the future as addenda to this RIR and submitted to the OER.

10.0 LIMITATIONS

This Remedial Investigation Report was prepared expressly for Greenpoint Storage Terminal, LLC (GST) for the proposed development at Greenpoint Landing, Brooklyn, New York and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by other professionals. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations.

FIGURES



LEGEND

APPROXIMATE SITE BOUNDARY

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

SOURCE: USGS TOPOGRAPHIC QUADRANGLE MAP, BROOKLYN, NY

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Project	Drawing Title	Project No.	Drawing No.
GREENPOINT LANDING BROOKLYN KINGS NEW YORK	SITE LOCATION MAP	170229002	1
		Date 5/2/2014	
		Scale NTS	
		Drawn By GCW	
		Submission Date 5/2/2014	Sheet 1 of 13

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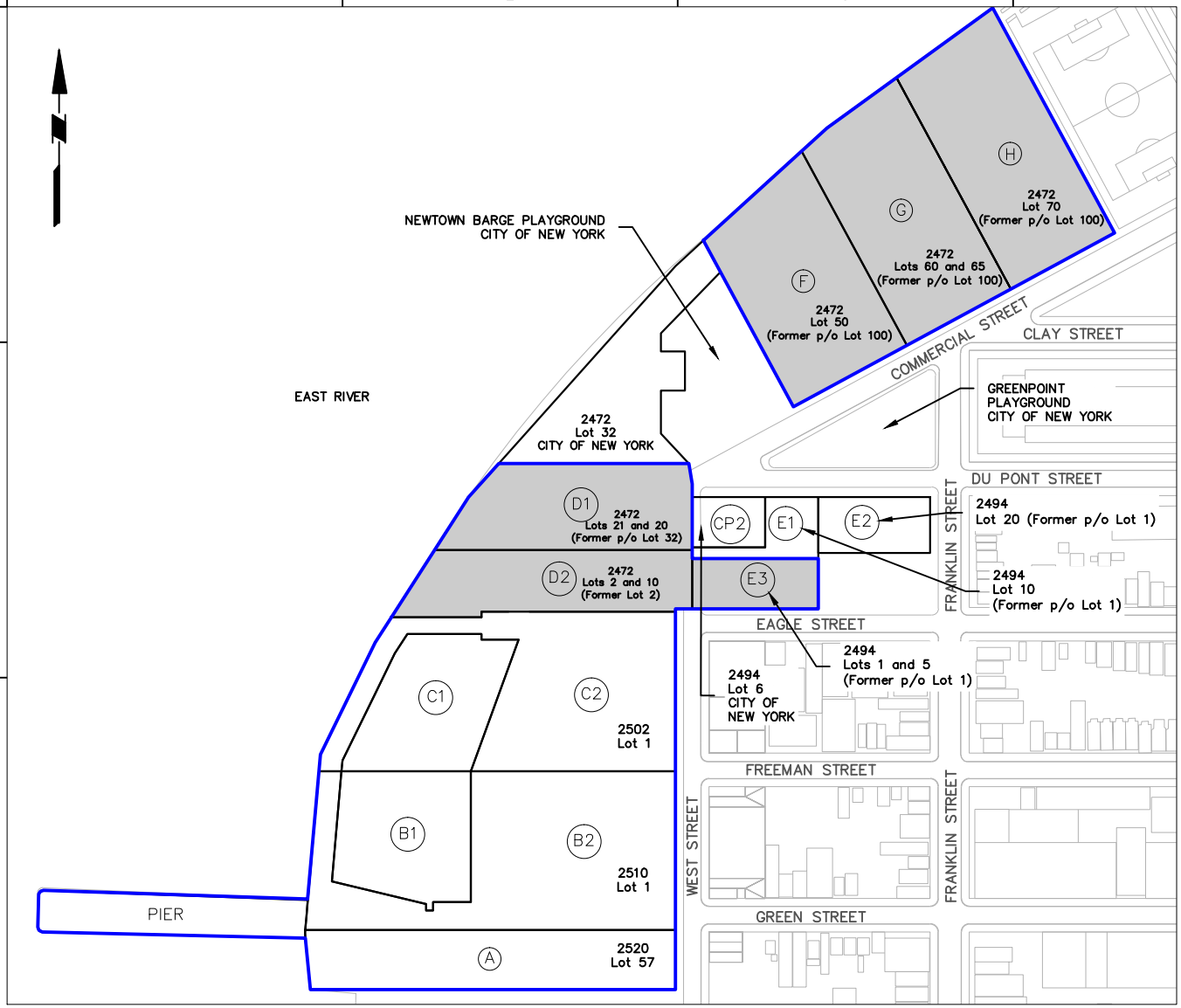
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-RIR\Remedial Investigation Reports\Parcel E3-D1-D2-F-G-H\170229002-Phase 2 RI Site Location Map.dwg Date: 5/2/2014 Time: 12:01 User: gwyka Style Table: Langan.stb Layout: ANSIA-BP



LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO THE REMEDIAL INVESTIGATION (THE SITE)
- (A) PARCEL ID
- 2494 Lot 1 — BLOCK AND LOT NUMBER

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "310215-FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. NORTH ARROW SHOWS PROJECT NORTH.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

300 0 150 300

SCALE IN FEET

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC

Collectively known as Langan

Project: **GREENPOINT LANDING**

BROOKLYN

KINGS NEW YORK

Drawing Title: **SITE PLAN**

Project No. 170229002	Drawing No. 2
Date 5/16/2014	
Scale 1" = 300'	
Drawn By GCW	
Submission Date 5/16/2014	Sheet 2 of 13

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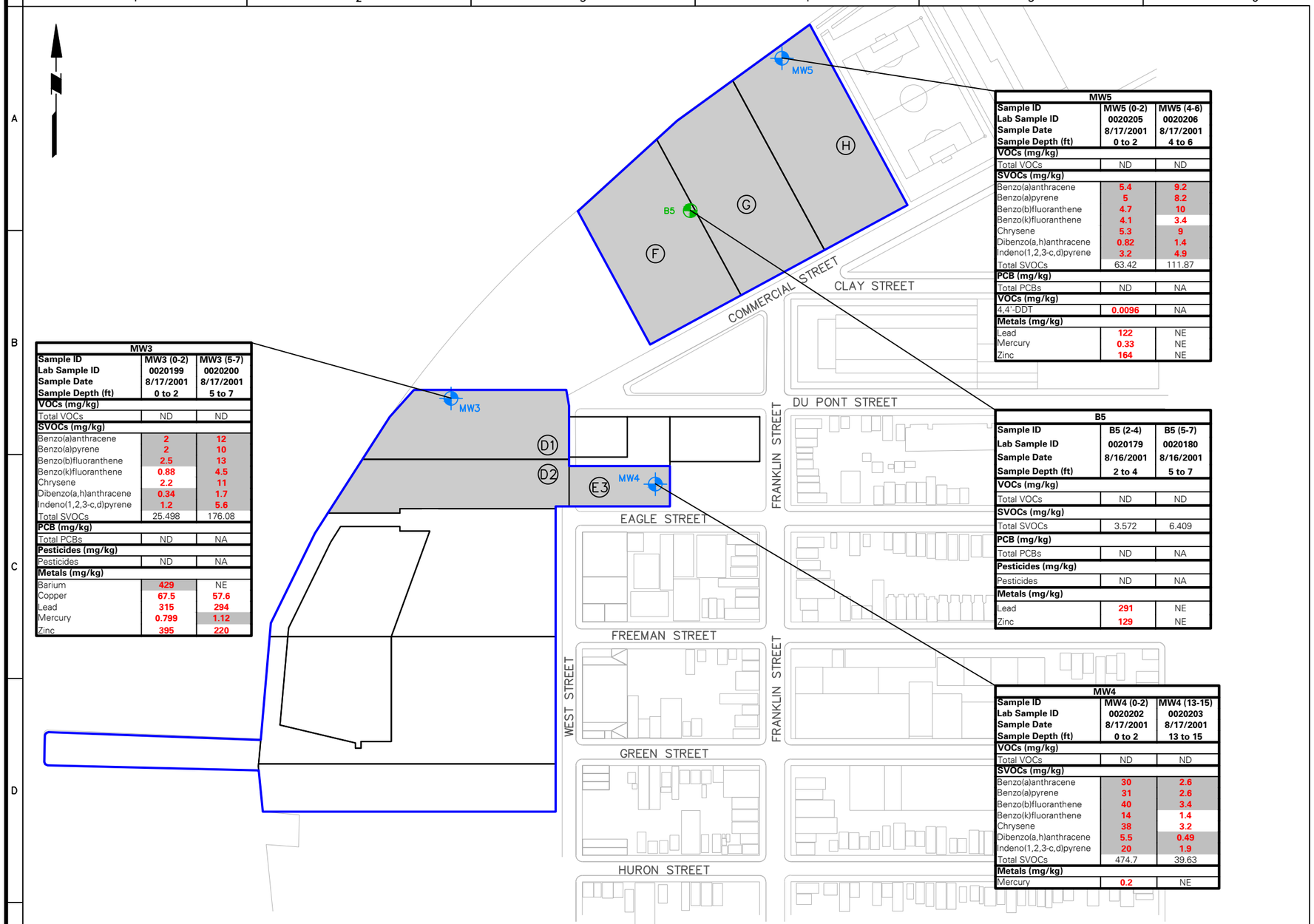
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-RIR\Remedial Investigation Reports\Parcel E3-D1-D2-F-G-H\170229002-Phase 2 RI Site Plan.dwg Date: 5/16/2014 Time: 15:41 User: gwyka Style Table: Langan.stb Layout: ANSIA-BL



MW5		
Sample ID	**MW5 (0-2)**	**MW5 (4-6)**
Lab Sample ID	**0020205**	**0020206**
Sample Date	**8/17/2001**	**8/17/2001**
Sample Depth (ft)	**0 to 2**	**4 to 6**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	5.4	9.2
Benzo(a)pyrene	5	8.2
Benzo(b)fluoranthene	4.7	10
Benzo(k)fluoranthene	4.1	3.4
Chrysene	5.3	9
Dibenzo(a,h)anthracene	0.82	1.4
Indeno(1,2,3-c,d)pyrene	3.2	4.9
Total SVOCs	63.42	111.87
PCB (mg/kg)		
Total PCBs	ND	NA
VOCs (mg/kg)		
4,4'-DDT	0.0096	NA
Metals (mg/kg)		
Lead	122	NE
Mercury	0.33	NE
Zinc	164	NE

MW3		
Sample ID	**MW3 (0-2)**	**MW3 (5-7)**
Lab Sample ID	**0020199**	**0020200**
Sample Date	**8/17/2001**	**8/17/2001**
Sample Depth (ft)	**0 to 2**	**5 to 7**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	2	12
Benzo(a)pyrene	2	10
Benzo(b)fluoranthene	2.5	13
Benzo(k)fluoranthene	0.88	4.5
Chrysene	2.2	11
Dibenzo(a,h)anthracene	0.34	1.7
Indeno(1,2,3-c,d)pyrene	1.2	5.6
Total SVOCs	25.498	176.08
PCB (mg/kg)		
Total PCBs	ND	NA
Pesticides (mg/kg)		
Pesticides	ND	NA
Metals (mg/kg)		
Barium	429	NE
Copper	67.5	57.6
Lead	315	294
Mercury	0.799	1.12
Zinc	395	220

B5		
Sample ID	**B5 (2-4)**	**B5 (5-7)**
Lab Sample ID	**0020179**	**0020180**
Sample Date	**8/16/2001**	**8/16/2001**
Sample Depth (ft)	**2 to 4**	**5 to 7**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Total SVOCs	3.572	6.409
PCB (mg/kg)		
Total PCBs	ND	NA
Pesticides (mg/kg)		
Pesticides	ND	NA
Metals (mg/kg)		
Lead	291	NE
Zinc	129	NE

MW4		
Sample ID	**MW4 (0-2)**	**MW4 (13-15)**
Lab Sample ID	**0020202**	**0020203**
Sample Date	**8/17/2001**	**8/17/2001**
Sample Depth (ft)	**0 to 2**	**13 to 15**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	30	2.6
Benzo(a)pyrene	31	2.6
Benzo(b)fluoranthene	40	3.4
Benzo(k)fluoranthene	14	1.4
Chrysene	38	3.2
Dibenzo(a,h)anthracene	5.5	0.49
Indeno(1,2,3-c,d)pyrene	20	1.9
Total SVOCs	474.7	39.63
Metals (mg/kg)		
Mercury	0.2	NE

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO THE REMEDIAL INVESTIGATION (THE SITE)
- (G) PARCEL ID
- MW1 PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2001)
- B5 PREVIOUS ON-SITE BORING LOCATION AND ID (AKRF 2001)

GENERAL NOTES

1. DATA SOURCE: AKRF, INC. 2001 PHASE II ESI
2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) AND UNRESTRICTED USE SCO (TABLE 1).
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC PART 375 RESTRICTED USE RESTRICTED-RESIDENTIAL SCO EXCEEDANCES ARE SHADED.
6. NYSDEC PART 375 UNRESTRICTED USE SCO EXCEEDANCES ARE BOLDED AND IN RED.
7. VOC = VOLATILE ORGANIC COMPOUNDS
8. SVOC = SEMIVOLATILE ORGANIC COMPOUNDS
9. PCB = POLYCHLORINATED BIPHENYLS
9. mg/kg = MILLIGRAMS PER KILOGRAM
10. NA = NOT ANALYZED
11. ND = NOT DETECTED
12. NE = NO EXCEEDANCE

Table 1

Analyte	NYSDEC Part 375 Restricted Residential Use SCO	NYSDEC Part 375 Unrestricted Use SCOs
VOCs (mg/kg)		
Acetone	100	0.05
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-c,d)pyrene	0.5	0.5
PCB (mg/kg)		
Total PCBs	1	0.1
Pesticides (mg/kg)		
4,4'-DDT	7.9	0.0033
Metals (mg/kg)		
Barium	400	350
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Zinc	10000	109

250 0 125 250
SCALE IN FEET

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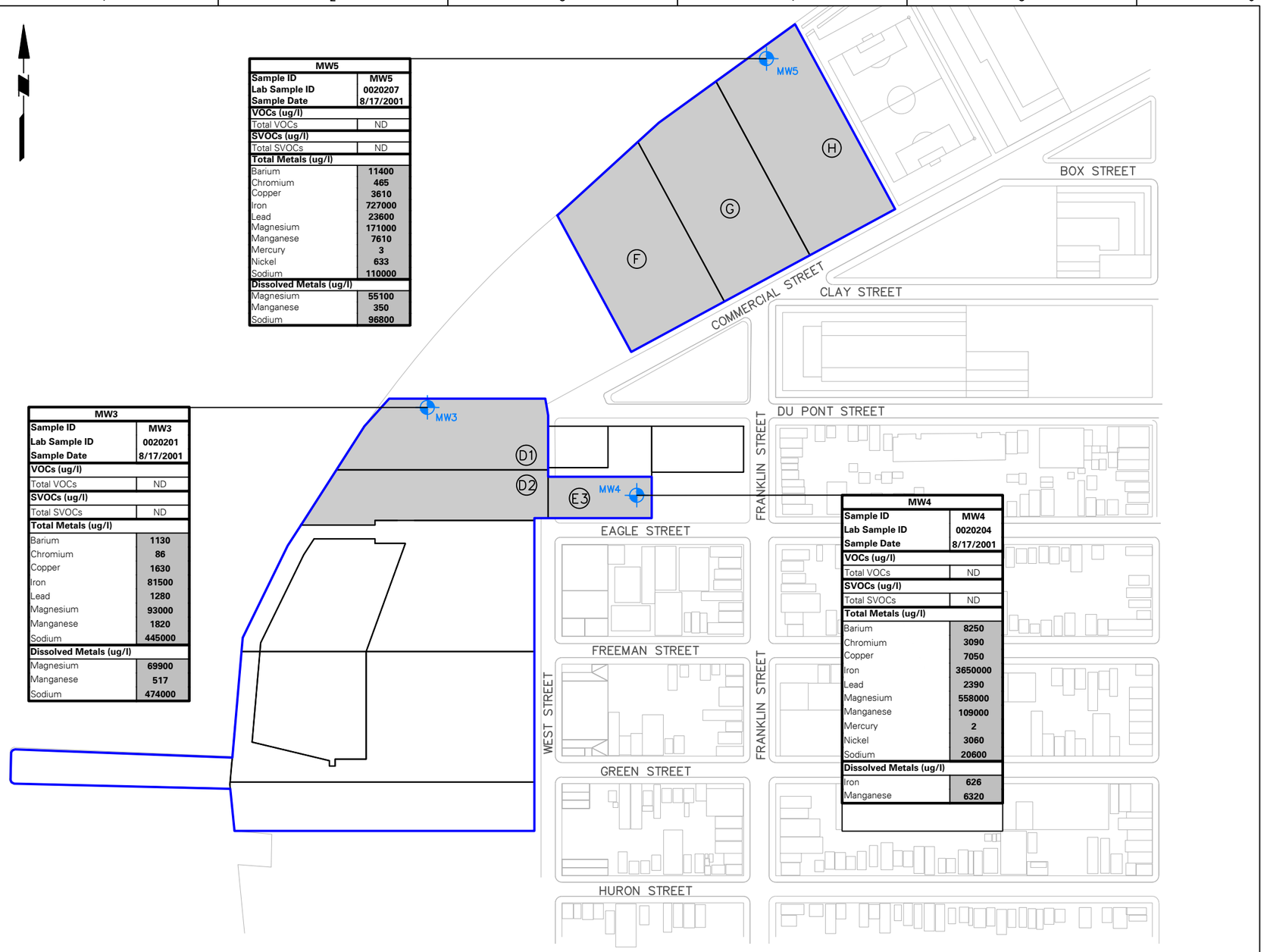
Project
GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title
PREVIOUS SOIL ANALYTICAL RESULTS
AKRF 2001

Project No. 170229002
Date 5/2/2014
Scale 1"=250'
Drawn By GCW
Submission Date 5/2/2014
Drawing No. 3
Sheet 3 of 13



MW5	
Sample ID	**MW5**
Lab Sample ID	**0020207**
Sample Date	**8/17/2001**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
Total Metals (ug/l)	
Barium	**11400**
Chromium	**465**
Copper	**3610**
Iron	**727000**
Lead	**23600**
Magnesium	**171000**
Manganese	**7610**
Mercury	**3**
Nickel	**633**
Sodium	**110000**
Dissolved Metals (ug/l)	
Magnesium	**55100**
Manganese	**350**
Sodium	**96800**

MW3	
Sample ID	**MW3**
Lab Sample ID	**0020201**
Sample Date	**8/17/2001**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
Total Metals (ug/l)	
Barium	**1130**
Chromium	**86**
Copper	**1630**
Iron	**81500**
Lead	**1280**
Magnesium	**93000**
Manganese	**1820**
Sodium	**445000**
Dissolved Metals (ug/l)	
Magnesium	**69900**
Manganese	**517**
Sodium	**474000**

MW4	
Sample ID	**MW4**
Lab Sample ID	**0020204**
Sample Date	**8/17/2001**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
Total Metals (ug/l)	
Barium	**8250**
Chromium	**3090**
Copper	**7050**
Iron	**3650000**
Lead	**2390**
Magnesium	**558000**
Manganese	**109000**
Mercury	**2**
Nickel	**3060**
Sodium	**20600**
Dissolved Metals (ug/l)	
Iron	**626**
Manganese	**6320**

LEGEND

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- (G) PARCEL ID
- MW1 PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2001)

GENERAL NOTES

1. DATA SOURCE: AKRF, INC. 2001 PHASE II ESI
2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. GROUNDWATER SAMPLES ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONVERSATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS)1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (SGVs) FOR DRINKING WATER (CLASS GA), SHOWN IN TABLE 1.
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC TOGS 1.1.1 SGVs EXCEEDANCES ARE BOLDED AND SHADED.
6. VOC = VOLATILE ORGANIC COMPOUNDS.
7. ug/l = MICROGRAMS PER LITER
8. '–' NOT AVAILABLE
9. ND = NOT DETECTED

Table 1

Analyte	NYSDEC TOGS 1.1.1 AWQS
VOCs (ug/l)	
Total VOCs	-
SVOCs (ug/l)	
Naphthalene	10
Total Metals (ug/l)	
Antimony	3
Barium	1000
Chromium	50
Copper	200
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Mercury	0.7
Nickel	100
Silver	50
Sodium	20000

250 0 125 250
SCALE IN FEET

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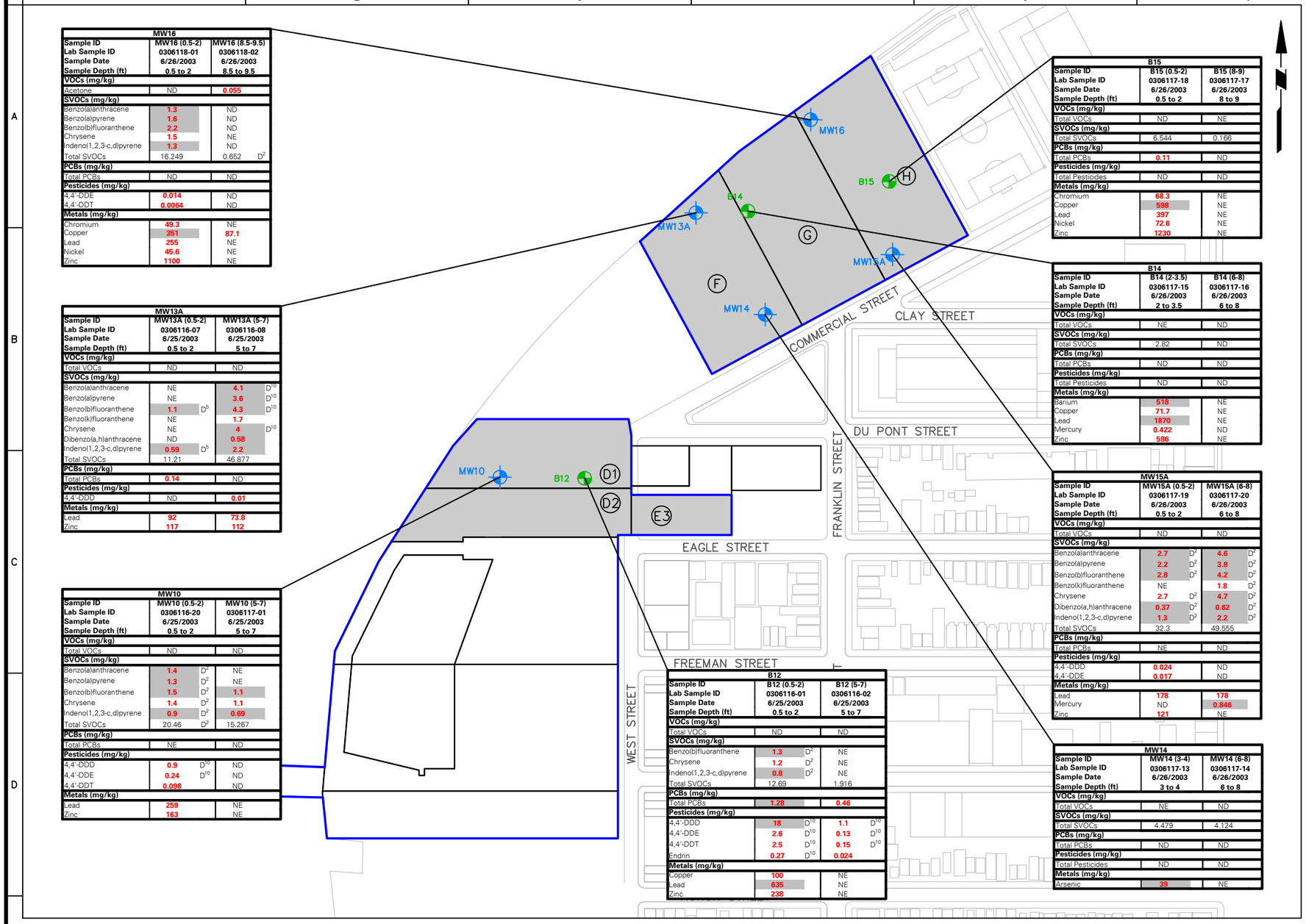
Project
GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title
PREVIOUS GROUNDWATER ANALYTICAL RESULTS
AKRF 2001

Project No. 170229002	Drawing No. 4
Date 5/2/2014	
Scale 1"=250'	
Drawn By GCW	
Submission Date 5/2/2014	Sheet 4 of 13



MW16		
Sample ID	**MW16 (0.5-2)**	**MW16 (8.5-9.5)**
Lab Sample ID	**0306118-01**	**0306118-02**
Sample Date	**6/26/2003**	**6/26/2003**
Sample Depth (ft)	**0.5 to 2**	**8.5 to 9.5**
VOCs (mg/kg)		
Acetone	ND	**0.055**
SVOCs (mg/kg)		
Benzo(a)anthracene	**1.3**	ND
Benzo(a)pyrene	**1.6**	ND
Benzo(b)fluoranthene	**2.2**	ND
Chrysene	**1.5**	NE
Indeno(1,2,3-c,d)pyrene	**1.3**	ND
Total SVOCs	16.249	0.652 D^2
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
4,4'-DDE	**0.014**	ND
4,4'-DDT	**0.0064**	ND
Metals (mg/kg)		
Chromium	**49.3**	NE
Copper	**351**	**87.1**
Lead	**255**	NE
Nickel	**45.6**	NE
Zinc	**1100**	NE

MW13A		
Sample ID	**MW13A (0.5-2)**	**MW13A (5-7)**
Lab Sample ID	**0306116-07**	**0306116-08**
Sample Date	**6/25/2003**	**6/25/2003**
Sample Depth (ft)	**0.5 to 2**	**5 to 7**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	NE	**4.1** D^{10}
Benzo(a)pyrene	NE	**3.6** D^{10}
Benzo(b)fluoranthene	**1.1** D^5	**4.3** D^{10}
Benzo(k)fluoranthene	NE	**1.7**
Chrysene	NE	**4** D^{10}
Dibenzo(a,h)anthracene	ND	**0.58**
Indeno(1,2,3-c,d)pyrene	**0.59** D^5	**2.2**
Total SVOCs	11.21	46.877
PCBs (mg/kg)		
Total PCBs	**0.14**	ND
Pesticides (mg/kg)		
4,4'-DDD	ND	**0.01**
Metals (mg/kg)		
Lead	**92**	**73.8**
Zinc	**117**	**112**

MW10		
Sample ID	**MW10 (0.5-2)**	**MW10 (5-7)**
Lab Sample ID	**0306116-20**	**0306117-01**
Sample Date	**6/25/2003**	**6/25/2003**
Sample Depth (ft)	**0.5 to 2**	**5 to 7**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	**1.4** D^2	NE
Benzo(a)pyrene	**1.3** D^2	NE
Benzo(b)fluoranthene	**1.5** D^2	**1.1**
Chrysene	**1.4** D^2	**1.1**
Indeno(1,2,3-c,d)pyrene	**0.9** D^2	**0.69**
Total SVOCs	20.46 D^2	15.267
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDD	**0.9** D^{10}	ND
4,4'-DDE	**0.24** D^{10}	ND
4,4'-DDT	**0.098**	ND
Metals (mg/kg)		
Lead	**259**	NE
Zinc	**163**	NE

B15		
Sample ID	**B15 (0.5-2)**	**B15 (8-9)**
Lab Sample ID	**0306117-18**	**0306117-17**
Sample Date	**6/26/2003**	**6/26/2003**
Sample Depth (ft)	**0.5 to 2**	**8 to 9**
VOCs (mg/kg)		
Total VOCs	ND	NE
SVOCs (mg/kg)		
Total SVOCs	6.544	0.166
PCBs (mg/kg)		
Total PCBs	**0.11**	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Chromium	**68.3**	NE
Copper	**598**	NE
Lead	**397**	NE
Nickel	**72.6**	NE
Zinc	**1230**	NE

B14		
Sample ID	**B14 (2-3.5)**	**B14 (6-8)**
Lab Sample ID	**0306117-15**	**0306117-16**
Sample Date	**6/26/2003**	**6/26/2003**
Sample Depth (ft)	**2 to 3.5**	**6 to 8**
VOCs (mg/kg)		
Total VOCs	NE	ND
SVOCs (mg/kg)		
Total SVOCs	2.82	ND
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Barium	**518**	NE
Copper	**71.7**	NE
Lead	**1870**	NE
Mercury	**0.422**	ND
Zinc	**586**	NE

MW15A		
Sample ID	**MW15A (0.5-2)**	**MW15A (6-8)**
Lab Sample ID	**0306117-19**	**0306117-20**
Sample Date	**6/26/2003**	**6/26/2003**
Sample Depth (ft)	**0.5 to 2**	**6 to 8**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	**2.7** D^2	**4.6** D^2
Benzo(a)pyrene	**2.2** D^2	**3.8** D^2
Benzo(b)fluoranthene	**2.8** D^2	**4.2** D^2
Benzo(k)fluoranthene	NE	**1.8** D^2
Chrysene	**2.7** D^2	**4.7** D^2
Dibenzo(a,h)anthracene	**0.37** D^2	**0.62** D^2
Indeno(1,2,3-c,d)pyrene	**1.3** D^2	**2.2** D^2
Total SVOCs	32.3	49.555
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
4,4'-DDD	**0.024**	ND
4,4'-DDE	**0.017**	ND
Metals (mg/kg)		
Lead	**178**	**178**
Mercury	ND	**0.846**
Zinc	**121**	NE

B12		
Sample ID	**B12 (0.5-2)**	**B12 (5-7)**
Lab Sample ID	**0306116-01**	**0306116-02**
Sample Date	**6/25/2003**	**6/25/2003**
Sample Depth (ft)	**0.5 to 2**	**5 to 7**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(b)fluoranthene	**1.3** D^2	NE
Chrysene	**1.2** D^2	NE
Indeno(1,2,3-c,d)pyrene	**0.8** D^2	NE
Total SVOCs	12.69	1.916
PCBs (mg/kg)		
Total PCBs	**1.28**	**0.46**
Pesticides (mg/kg)		
4,4'-DDD	**18** D^{10}	**1.1** D^{10}
4,4'-DDE	**2.6** D^{10}	**0.13** D^{10}
4,4'-DDT	**2.5** D^{10}	**0.15** D^{10}
Endrin	**0.27** D^{10}	**0.024**
Metals (mg/kg)		
Copper	**100**	NE
Lead	**635**	NE
Zinc	**238**	NE

MW14		
Sample ID	**MW14 (3-4)**	**MW14 (6-8)**
Lab Sample ID	**0306117-13**	**0306117-14**
Sample Date	**6/26/2003**	**6/26/2003**
Sample Depth (ft)	**3 to 4**	**6 to 8**
VOCs (mg/kg)		
Total VOCs	NE	ND
SVOCs (mg/kg)		
Total SVOCs	4.479	4.124
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Arsenic	**39**	NE

LEGEND

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- (G) PARCEL ID
- MW1 PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2003)
- B5 PREVIOUS ON-SITE BORING LOCATION AND ID (AKRF 2003)

GENERAL NOTES

1. DATA SOURCE: AKRF, INC. 2003 SUPPLEMENTAL PHASE II ESI
2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 RESTRICTED USE RESTRICTED –RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) AND UNRESTRICTED USE SCO (TABLE 1).
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC PART 375 UNRESTRICTED USE SCO EXCEEDANCES ARE BOLDED AND IN RED.
6. NYSDEC PART 375 RESTRICTED USE RESTRICTED –RESIDENTIAL SCO EXCEEDANCES ARE BOLDED IN RED AND SHADED.
7. VOCs = VOLATILE ORGANIC COMPOUNDS
8. SVOCs = SEMIVOLATILE ORGANIC COMPOUNDS
9. PCBs = POLYCHLORINATED BIPHENYLS
10. mg/kg = MILLIGRAMS PER KILOGRAM
11. ND = NOT DETECTED
12. NE = NO EXCEEDANCE
13. J = DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, RESULT IS AN ESTIMATED CONCENTRATION.
14. D = SAMPLE DILUTED, D^{10}= DILUTION FACTOR 10

Table 1

Analyte	NYSDEC Part 375 Restricted Residential Use SCO	NYSDEC Part 375 Unrestricted Use SCOs
VOCs (mg/kg)		
Acetone	100	0.05
SVOCs (mg/kg)		
2,4-Methylphenol	100	0.33
Acenaphthene	100	20
Anthracene	100	100
Benzo(a)anthracene	1	1
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(g,h,i)perylene	100	100
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-c,d)pyrene	0.50	0.50
PCB (mg/kg)		
Total PCBs	1	0.1
Pesticides (mg/kg)		
4,4'-DDD	13	0.0033
4,4'-DDE	8.9	0.0033
4,4'-DDT	7.9	0.0033
Chlordane	4.2	0.0940
Endrin	11.0	0.0140
Metals (mg/kg)		
Arsenic	16	13
Barium	400	350
Cadmium	4	2.5
Chromium	180	30
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Zinc	10000	109

250 0 125 250

SCALE IN FEET

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Project
GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title
PREVIOUS SOIL ANALYTICAL RESULTS
AKRF 2003

Project No. 170229002	Drawing No. 5
Date 5/2/2014	
Scale 1"=250'	
Drawn By GCW	
Submission Date 5/2/2014	Sheet 5 of 13

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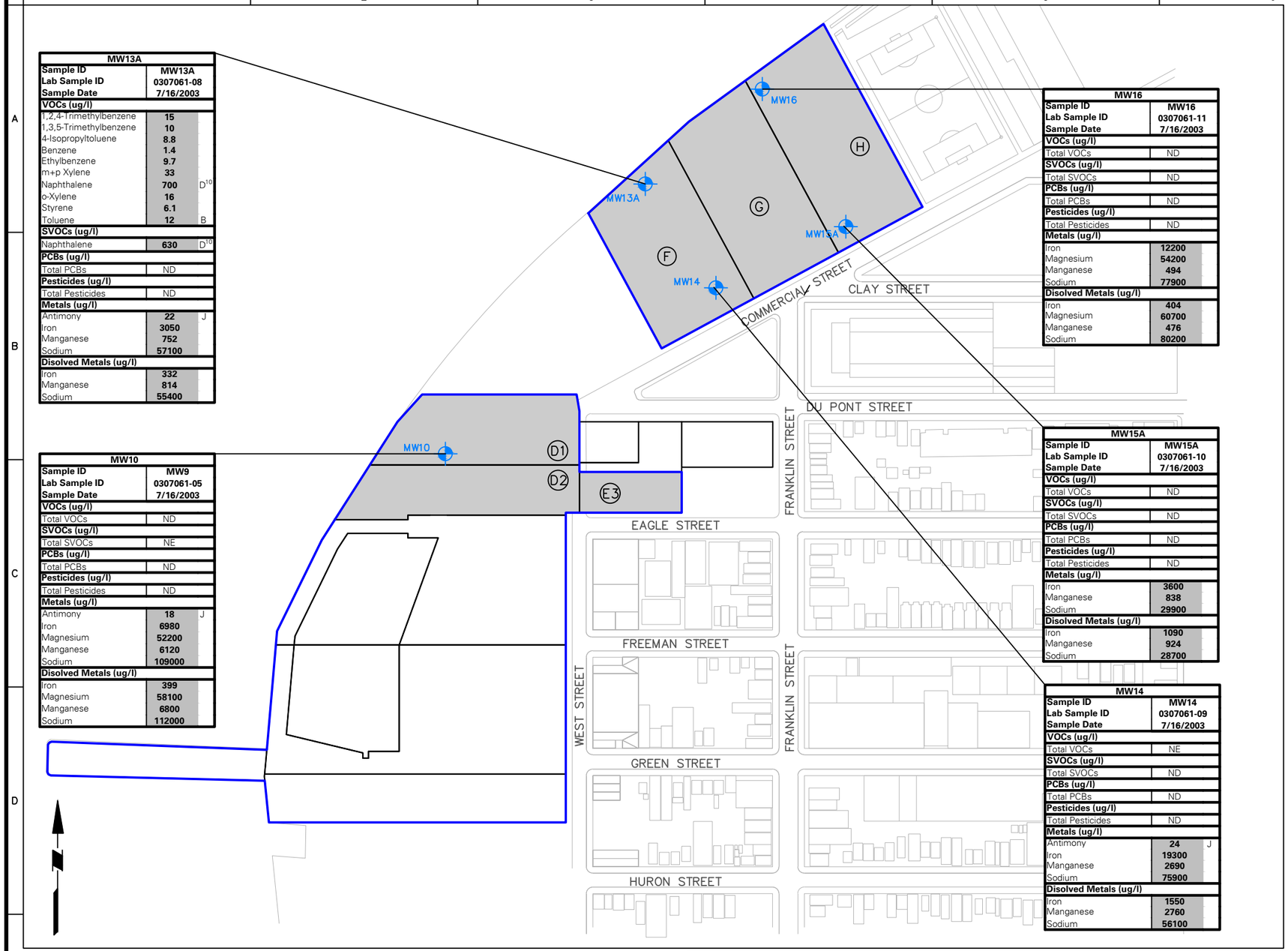

MW13A	
Sample ID	**MW13A**
Lab Sample ID	**0307061-08**
Sample Date	**7/16/2003**
VOCs (ug/l)	
1,2,4-Trimethylbenzene	**15**
1,3,5-Trimethylbenzene	**10**
4-Isopropyltoluene	**8.8**
Benzene	**1.4**
Ethylbenzene	**9.7**
m+p Xylene	**33**
Naphthalene	**700** D[10]
o-Xylene	**16**
Styrene	**6.1**
Toluene	**12** B
SVOCs (ug/l)	
Naphthalene	**630** D[10]
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	**22** J
Iron	**3050**
Manganese	**752**
Sodium	**57100**
Disolved Metals (ug/l)	
Iron	**332**
Manganese	**814**
Sodium	**55400**

MW10	
Sample ID	**MW9**
Lab Sample ID	**0307061-05**
Sample Date	**7/16/2003**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	NE
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	**18** J
Iron	**6980**
Magnesium	**52200**
Manganese	**6120**
Sodium	**109000**
Disolved Metals (ug/l)	
Iron	**399**
Magnesium	**58100**
Manganese	**6800**
Sodium	**112000**

MW16	
Sample ID	**MW16**
Lab Sample ID	**0307061-11**
Sample Date	**7/16/2003**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Iron	**12200**
Magnesium	**54200**
Manganese	**494**
Sodium	**77900**
Disolved Metals (ug/l)	
Iron	**404**
Magnesium	**60700**
Manganese	**476**
Sodium	**80200**

MW15A	
Sample ID	**MW15A**
Lab Sample ID	**0307061-10**
Sample Date	**7/16/2003**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Iron	**3600**
Manganese	**838**
Sodium	**29900**
Disolved Metals (ug/l)	
Iron	**1090**
Manganese	**924**
Sodium	**28700**

MW14	
Sample ID	**MW14**
Lab Sample ID	**0307061-09**
Sample Date	**7/16/2003**
VOCs (ug/l)	
Total VOCs	NE
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	**24** J
Iron	**19300**
Manganese	**2690**
Sodium	**75900**
Disolved Metals (ug/l)	
Iron	**1550**
Manganese	**2760**
Sodium	**56100**

LEGEND

APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY

APPROXIMATE PARCEL BOUNDARY

INITIAL PARCELS SUBJECT TO THE REMEDIAL INVESTIGATION (THE SITE)

(G) PARCEL ID

MW14 PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2003)

GENERAL NOTES

1. DATA SOURCE: AKRF, INC. SUPPLEMENTAL PHASE II ESI
2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. GROUNDWATER SAMPLES ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONVERSATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS)1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (SGVs) FOR DRINKING WATER (CLASS GA), SHOWN IN TABLE 1.
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC TOGS 1.1.1 SGVs EXCEEDANCES ARE BOLDED AND SHADED.
6. VOC = VOLATILE ORGANIC COMPOUNDS.
7. SVOC = SEMIVOLATILE ORGANIC COMPOUNDS
8. PCB = POLYCHLORINATED BIPHENYLS
9. ug/l = MICROGRAMS PER LITER
10. ND = NOT DETECTED
11. NE = NO EXCEEDANCES
12. J = DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, RESULT IS AN ESTIMATED CONCENTRATION.
13. B = REPORTED VALUE IS LESS THAN THE CONTRACT REQUIRED DETECTION LIMIT, BUT GREATER THAN OR EQUAL TO THE INSTRUMENT DETECTION LIMIT.
14. D = SAMPLE DILUTED, D^{10}= DILUTION FACTOR 10

Table 1

Analyte	NYSDEC TOGS 1.1.1 AWQS
VOCs (ug/l)	
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
4-Isopropyltoluene	5
Benzene	1
Ethylbenzene	5
m+p Xylene	5
Naphthalene	10
o-Xylene	5
Styrene	5
Tetrachloroethene	5
Toluene	5
SVOCs (ug/l)	
Naphthalene	10
Phenol	1
Pesticides (ug/l)	
Hexachlorobenzene	0.04
Metals (ug/l)	
Antimony	3
Iron	300
Magnesium	35000
Manganese	300
Nickel	100
Sodium	20000
Thallium	0.5

250 0 125 250

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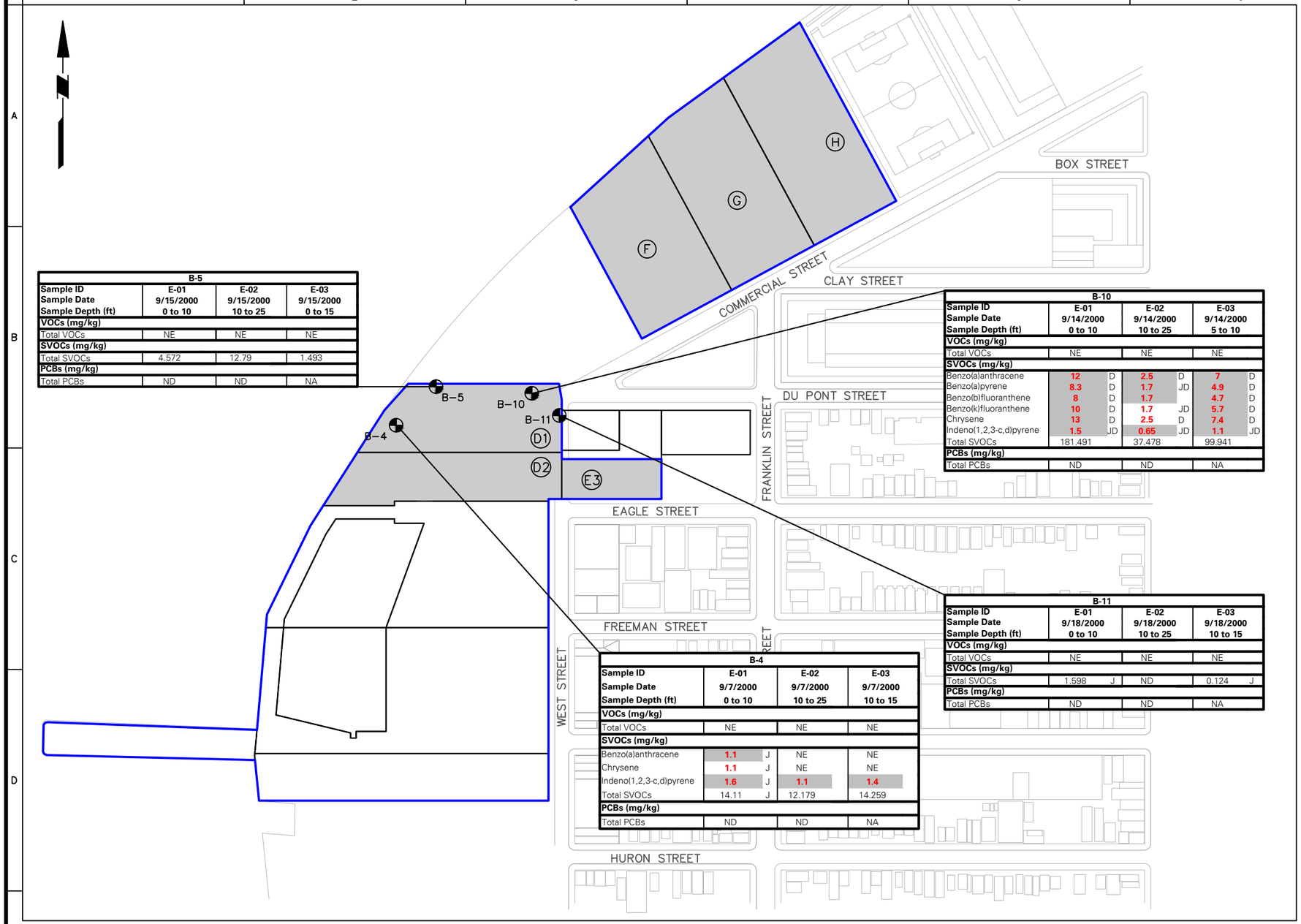
PREVIOUS GROUNDWATER ANALYTICAL RESULTS
AKRF 2003

Project No. 170229002	Drawing No. 6
Date 5/2/2014	
Scale 1"=250'	
Drawn By GCW	
Submission Date 5/2/2014	Sheet 6 of 13



B-5			
Sample ID	**E-01**	**E-02**	**E-03**
Sample Date	**9/15/2000**	**9/15/2000**	**9/15/2000**
Sample Depth (ft)	**0 to 10**	**10 to 25**	**0 to 15**
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Total SVOCs	4.572	12.79	1.493
PCBs (mg/kg)			
Total PCBs	ND	ND	NA

B-10						
Sample ID	**E-01**		**E-02**		**E-03**	
Sample Date	**9/14/2000**		**9/14/2000**		**9/14/2000**	
Sample Depth (ft)	**0 to 10**		**10 to 25**		**5 to 10**	
VOCs (mg/kg)						
Total VOCs	NE		NE		NE	
SVOCs (mg/kg)						
Benzo(a)anthracene	**12**	D	**2.5**	D	**7**	D
Benzo(a)pyrene	**8.3**	D	**1.7**	JD	**4.9**	D
Benzo(b)fluoranthene	**8**	D	**1.7**		**4.7**	D
Benzo(k)fluoranthene	**10**	D	**1.7**	JD	**5.7**	D
Chrysene	**13**	D	**2.5**	D	**7.4**	D
Indeno(1,2,3-c,d)pyrene	**1.5**	JD	**0.65**	JD	**1.1**	JD
Total SVOCs	181.491		37.478		99.941	
PCBs (mg/kg)						
Total PCBs	ND		ND		NA	

B-11						
Sample ID	**E-01**		**E-02**		**E-03**	
Sample Date	**9/18/2000**		**9/18/2000**		**9/18/2000**	
Sample Depth (ft)	**0 to 10**		**10 to 25**		**10 to 15**	
VOCs (mg/kg)						
Total VOCs	NE		NE		NE	
SVOCs (mg/kg)						
Total SVOCs	1.598	J	ND		0.124	J
PCBs (mg/kg)						
Total PCBs	ND		ND		NA	

B-4					
Sample ID	**E-01**		**E-02**		**E-03**
Sample Date	**9/7/2000**		**9/7/2000**		**9/7/2000**
Sample Depth (ft)	**0 to 10**		**10 to 25**		**10 to 15**
VOCs (mg/kg)					
Total VOCs	NE		NE		NE
SVOCs (mg/kg)					
Benzo(a)anthracene	**1.1**	J	NE		NE
Chrysene	**1.1**	J	NE		NE
Indeno(1,2,3-c,d)pyrene	**1.6**	J	**1.1**		**1.4**
Total SVOCs	14.11	J	12.179		14.259
PCBs (mg/kg)					
Total PCBs	ND		ND		NA

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO THE REMEDIAL INVESTIGATION (THE SITE)
- (G) PARCEL ID
- B-5 PREVIOUS ON-SITE BORING LOCATION AND ID (NYCDEP 2000)

GENERAL NOTES

1. DATA SOURCE: NYCDEP 2007 ENVIRONMENTAL DESIGN REPORT
2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) AND UNRESTRICTED USE SCO (TABLE 1).
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC PART 375 RESTRICTED USE RESTRICTED-RESIDENTIAL SCO EXCEEDANCES ARE SHADED AND IN RED.
6. NYSDEC PART 375 UNRESTRICTED USE SCO EXCEEDANCES ARE BOLDED AND IN RED.
7. E-01 AND E-02 = COMPOSITE SAMPLES
8. E-03 = GRAB (DISCRETE) SAMPLES
9. VOC = VOLATILE ORGANIC COMPOUNDS
10. SVOC = SEMIVOLATILE ORGANIC COMPOUNDS
11. PCB = POLYCHLORINATED BIPHENYLS
12. mg/kg = MILLIGRAMS PER KILOGRAM
13. NA = NOT ANALYZED
14. NE = NO EXCEEDANCE
15. ND = NOT DETECTED
16. J = DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, RESULT IS AN ESTIMATED CONCENTRATION.
17. D = SAMPLE DILUTED

Table 1

Analyte	NYSDEC Part 375 Restricted Residential Use SCO	NYSDEC Part 375 Unrestricted Use SCOs
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Indeno(1,2,3-c,d)pyrene	0.50	0.50

250 0 125 250

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BROOKLYN
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Drawing Title

PREVIOUS SOIL ANALYTICAL RESULTS

NYCDEP 2007

Project No. 170229002	Drawing No. 7
Date 5/2/2014	
Scale 1"=250'	
Drawn By GCW	
Submission Date 5/2/2014	Sheet 7 of 13

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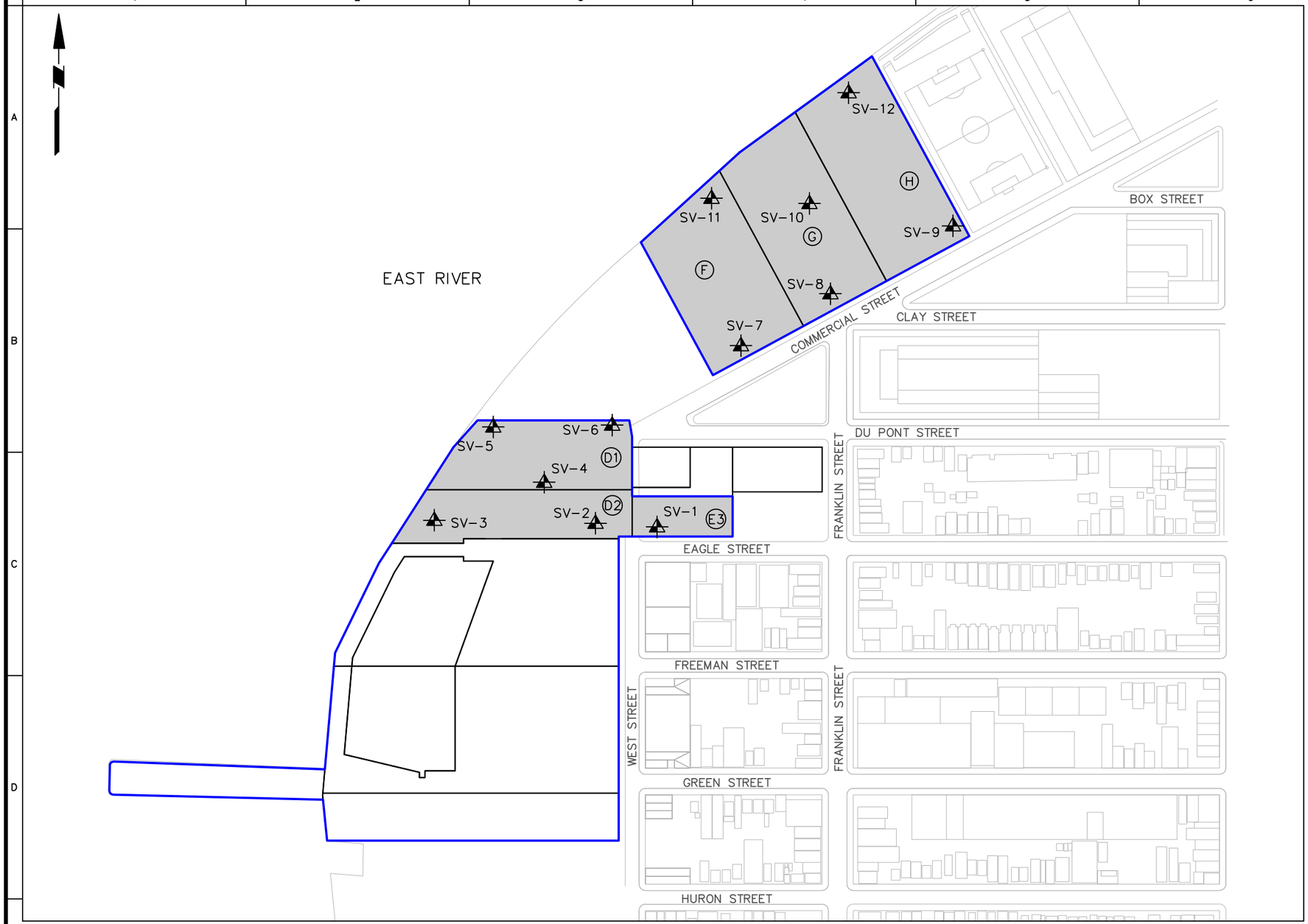

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION (THE SITE)
- (G) PARCEL ID
- SV-1 SOIL VAPOR SAMPLING LOCATION AND ID

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. SAMPLING LOCATIONS WERE SURVEYED BY LANGAN.
3. NORTH ARROW REPRESENTS PROJECT NORTH.

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Drawing Title
SOIL VAPOR SAMPLING LOCATION MAP
PHASE 1 REMEDIAL INVESTIGATION

Project No. 170229002	Drawing No. 8
Date 5/2/2014	
Scale 1' = 250'	
Drawn By MB / Checked By GCW	
Submission Date 5/2/2014	Sheet 8 of 13

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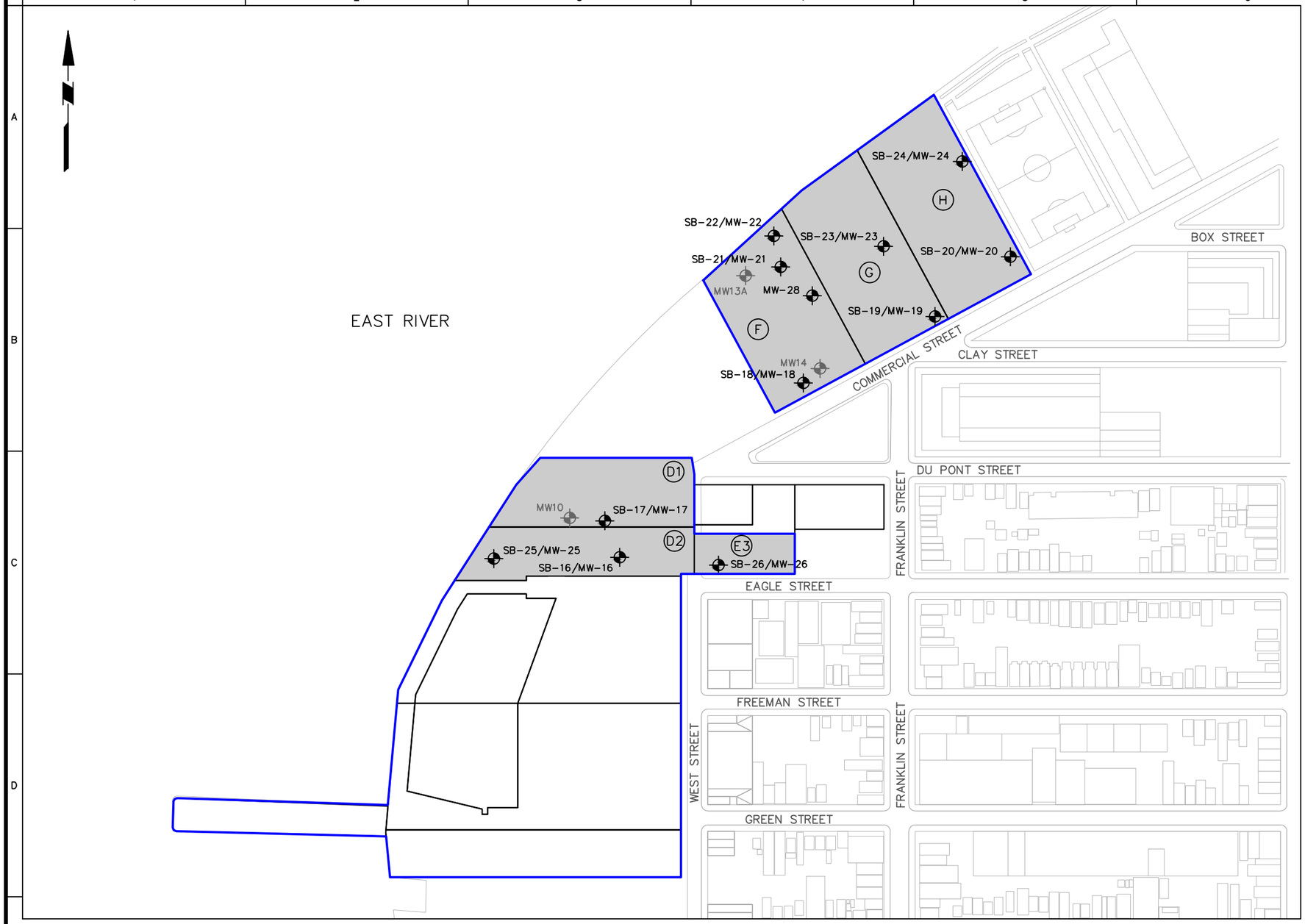

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION (THE SITE)
- (G) PARCEL ID
- MW10 — MONITORING WELL LOCATION AND ID (AKRF 2003)
- MW-28 — MONITORING WELL LOCATION AND ID (LANGAN GEOTECH 2013)
- SB-16/MW-16 — SOIL BORING AND MONITORING WELL LOCATION AND ID (LANGAN 2014)

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. SOIL BORINGS WERE LOCATED BY GPS. MONITORING WELLS WERE SURVEYED BY LANGAN SURVEY.
2. NORTH ARROWS SHOWS PROJECT NORTH.

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Drawing Title
SOIL AND GROUNDWATER SAMPLING LOCATION MAP
PHASE 2 REMEDIAL INVESTIGATION

Project No. 170229002	Drawing No. 9
Date 5/2/2014	
Scale 1"=250'	
Drawn By GCW	
Submission Date 5/2/2014	Sheet 9 of 13

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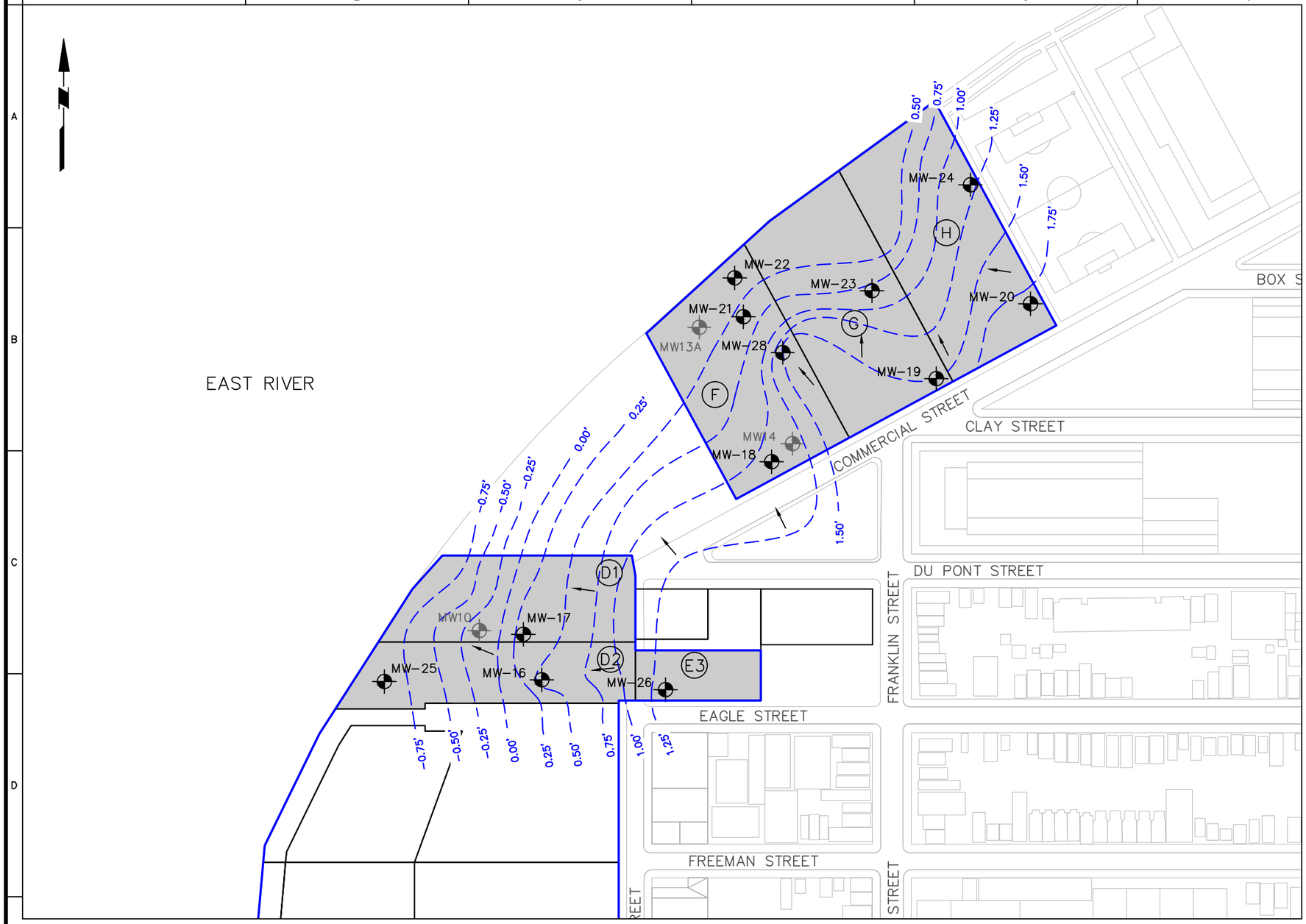

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION (THE SITE)
- (G) PARCEL ID
- MW10 MONITORING WELL LOCATION AND ID (AKRF 2003)
- MW-28 MONITORING WELL LOCATION AND ID (LANGAN GEOTECH 2013)
- MW-16 SOIL BORING AND MONITORING WELL LOCATION AND ID (LANGAN 2014)
- INFERRED GROUNDWATER CONTOUR
- DIRECTION OF GROUNDWATER FLOW

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. SOIL BORINGS WERE LOCATED BY GPS. MONITORING WELLS WERE SURVEYED BY LANGAN SURVEY.
3. NORTH ARROWS SHOWS PROJECT NORTH.
4. MONITORING WELLS WERE SURVEYED BY LANGAN ON MARCH 6, 2014
5. MONITORING WELLS WERE GAUGED BY LANGAN ON MARCH 12, 2014. THE GAUGING RECORD IS PRESENTED IN TABLE 6 OF THE RI REPORT.
6. GAUGING DATA FROM MW-23 WAS EXCLUDED FROM THE EVALUATION OF GROUNDWATER CONTOURS BECAUSE THE TOP OF THE INNER CASING WAS NOT SURVEYED.
7. GROUNDWATER ELEVATIONS ARE BASED ON BOROUGH OF BROOKLYN HIGHWAY DATUM.

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Drawing Title: GROUNDWATER CONTOUR MAP

Project No. 170229002	Drawing No. 10
Date 5/2/2014	
Scale 1"=200'	
Drawn By GCW	
Submission Date 5/2/2014	Sheet 10 of 13

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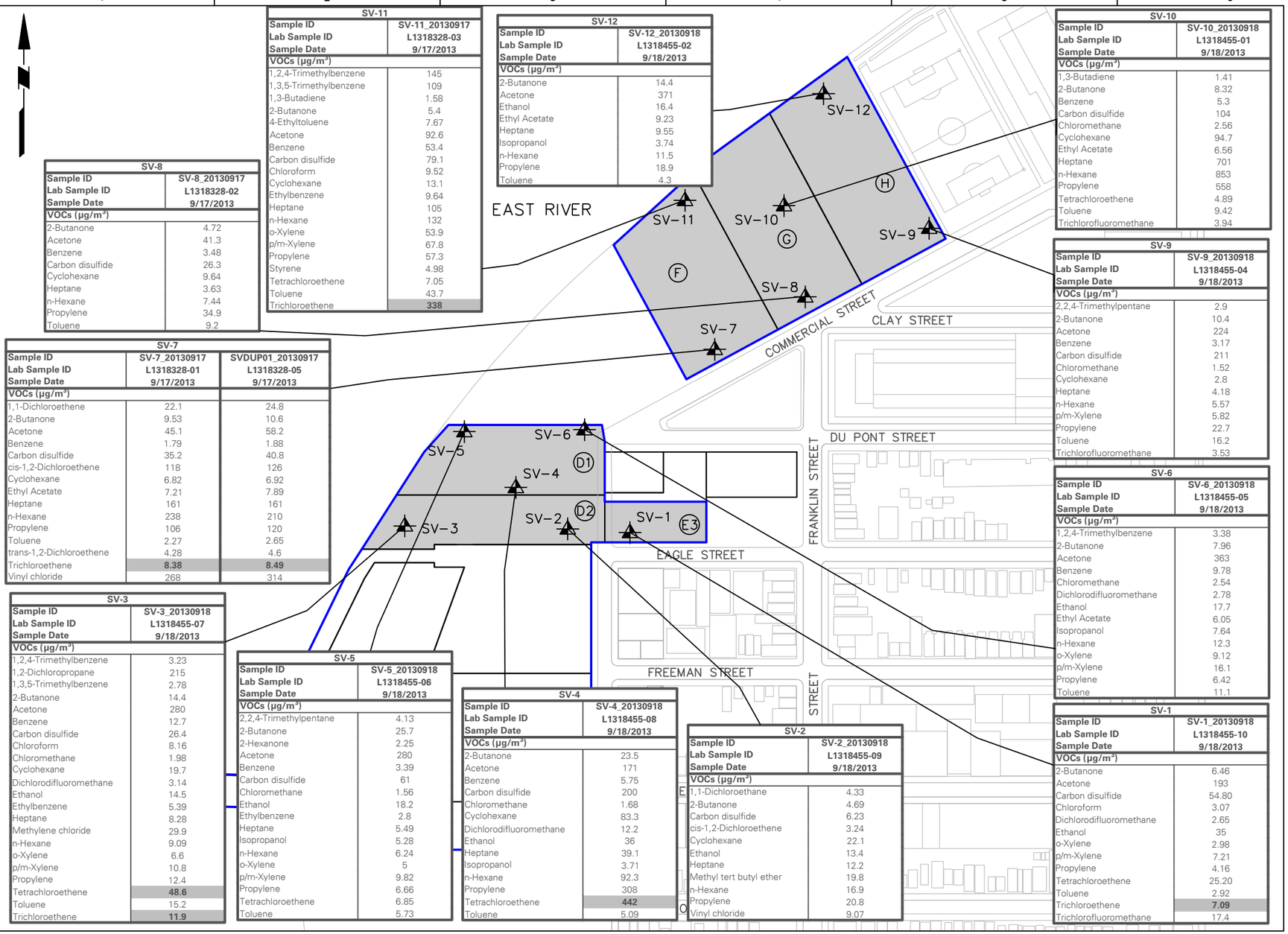

SV-8	
Sample ID	SV-8_20130917
Lab Sample ID	L1318328-02
Sample Date	9/17/2013
VOCs (µg/m³)	
2-Butanone	4.72
Acetone	41.3
Benzene	3.48
Carbon disulfide	26.3
Cyclohexane	9.64
Heptane	3.63
n-Hexane	7.44
Propylene	34.9
Toluene	9.2

SV-11	
Sample ID	SV-11_20130917
Lab Sample ID	L1318328-03
Sample Date	9/17/2013
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	145
1,3,5-Trimethylbenzene	109
1,3-Butadiene	1.58
2-Butanone	5.4
4-Ethyltoluene	7.67
Acetone	92.6
Benzene	53.4
Carbon disulfide	79.1
Chloroform	9.52
Cyclohexane	13.1
Ethylbenzene	9.64
Heptane	105
n-Hexane	132
o-Xylene	53.9
p/m-Xylene	67.8
Propylene	57.3
Styrene	4.98
Tetrachloroethene	7.05
Toluene	43.7
Trichloroethene	338

SV-12	
Sample ID	SV-12_20130918
Lab Sample ID	L1318455-02
Sample Date	9/18/2013
VOCs (µg/m³)	
2-Butanone	14.4
Acetone	371
Ethanol	16.4
Ethyl Acetate	9.23
Heptane	9.55
Isopropanol	3.74
n-Hexane	11.5
Propylene	18.9
Toluene	4.3

SV-10	
Sample ID	SV-10_20130918
Lab Sample ID	L1318455-01
Sample Date	9/18/2013
VOCs (µg/m³)	
1,3-Butadiene	1.41
2-Butanone	8.32
Benzene	5.3
Carbon disulfide	104
Chloromethane	2.56
Cyclohexane	94.7
Ethyl Acetate	6.56
Heptane	701
n-Hexane	853
Propylene	558
Tetrachloroethene	4.89
Toluene	9.42
Trichlorofluoromethane	3.94

SV-9	
Sample ID	SV-9_20130918
Lab Sample ID	L1318455-04
Sample Date	9/18/2013
VOCs (µg/m³)	
2,2,4-Trimethylpentane	2.9
2-Butanone	10.4
Acetone	224
Benzene	3.17
Carbon disulfide	211
Chloromethane	1.52
Cyclohexane	2.8
Heptane	4.18
n-Hexane	5.57
p/m-Xylene	5.82
Propylene	22.7
Toluene	16.2
Trichlorofluoromethane	3.53

SV-7		
Sample ID	SV-7_20130917	SVDUP01_20130917
Lab Sample ID	L1318328-01	L1318328-05
Sample Date	9/17/2013	9/17/2013
VOCs (µg/m³)		
1,1-Dichloroethene	22.1	24.8
2-Butanone	9.53	10.6
Acetone	45.1	58.2
Benzene	1.79	1.88
Carbon disulfide	35.2	40.8
cis-1,2-Dichloroethene	118	126
Cyclohexane	6.82	6.92
Ethyl Acetate	7.21	7.89
Heptane	161	161
n-Hexane	238	210
Propylene	106	120
Toluene	2.27	2.65
trans-1,2-Dichloroethene	4.28	4.6
Trichloroethene	8.38	8.49
Vinyl chloride	268	314

SV-6	
Sample ID	SV-6_20130918
Lab Sample ID	L1318455-05
Sample Date	9/18/2013
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	3.38
2-Butanone	7.96
Acetone	363
Benzene	9.78
Chloromethane	2.54
Dichlorodifluoromethane	2.78
Ethanol	17.7
Ethyl Acetate	6.05
Isopropanol	7.64
n-Hexane	12.3
o-Xylene	9.12
p/m-Xylene	16.1
Propylene	6.42
Toluene	11.1

SV-3	
Sample ID	SV-3_20130918
Lab Sample ID	L1318455-07
Sample Date	9/18/2013
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	3.23
1,2-Dichloropropane	215
1,3,5-Trimethylbenzene	2.78
2-Butanone	14.4
Acetone	280
Benzene	12.7
Carbon disulfide	26.4
Chloroform	8.16
Chloromethane	1.98
Cyclohexane	19.7
Dichlorodifluoromethane	3.14
Ethanol	14.5
Ethylbenzene	5.39
Heptane	8.28
Methylene chloride	29.9
n-Hexane	9.09
o-Xylene	6.6
p/m-Xylene	10.8
Propylene	12.4
Tetrachloroethene	48.6
Toluene	15.2
Trichloroethene	11.9

SV-5	
Sample ID	SV-5_20130918
Lab Sample ID	L1318455-06
Sample Date	9/18/2013
VOCs (µg/m³)	
2,2,4-Trimethylpentane	4.13
2-Butanone	25.7
2-Hexanone	2.25
Acetone	280
Benzene	3.39
Carbon disulfide	61
Chloromethane	1.56
Ethanol	18.2
Ethylbenzene	2.8
Heptane	5.49
Isopropanol	5.28
n-Hexane	6.24
o-Xylene	5
p/m-Xylene	9.82
Propylene	6.66
Tetrachloroethene	6.85
Toluene	5.73

SV-4	
Sample ID	SV-4_20130918
Lab Sample ID	L1318455-08
Sample Date	9/18/2013
VOCs (µg/m³)	
2-Butanone	23.5
Acetone	171
Benzene	5.75
Carbon disulfide	200
Chloromethane	1.68
Cyclohexane	83.3
Dichlorodifluoromethane	12.2
Ethanol	36
Heptane	39.1
Isopropanol	3.71
n-Hexane	92.3
Propylene	308
Tetrachloroethene	442
Toluene	5.09

SV-2	
Sample ID	SV-2_20130918
Lab Sample ID	L1318455-09
Sample Date	9/18/2013
VOCs (µg/m³)	
1,1-Dichloroethane	4.33
2-Butanone	4.69
Carbon disulfide	6.23
cis-1,2-Dichloroethene	3.24
Cyclohexane	22.1
Ethanol	13.4
Heptane	12.2
Methyl tert butyl ether	19.8
n-Hexane	16.9
Propylene	20.8
Vinyl chloride	9.07

SV-1	
Sample ID	SV-1_20130918
Lab Sample ID	L1318455-10
Sample Date	9/18/2013
VOCs (µg/m³)	
2-Butanone	6.46
Acetone	193
Carbon disulfide	54.80
Chloroform	3.07
Dichlorodifluoromethane	2.65
Ethanol	35
o-Xylene	2.98
p/m-Xylene	7.21
Propylene	4.16
Tetrachloroethene	25.20
Toluene	2.92
Trichloroethene	7.09
Trichlorofluoromethane	17.4

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION (THE SITE)
- (G) PARCEL ID
- SV–1 SOIL VAPOR SAMPLING LOCATION AND ID

Compound name	NYSDOH AGV
VOCs (µg/m³)	
1,1-Dichloroethane	~
1,1-Dichloroethene	~
1,2,4-Trimethylbenzene	~
1,2-Dichloropropane	~
1,3,5-Trimethylbenzene	~
1,3-Butadiene	~
2,2,4-Trimethylpentane	~
2-Butanone	~
2-Hexanone	~
4-Ethyltoluene	~
Acetone	~
Benzene	~
Carbon disulfide	~
Chloroform	~
Chloromethane	~
cis-1,2-Dichloroethene	~
Cyclohexane	~
Dichlorodifluoromethane	~
Ethanol	~
Ethyl Acetate	~
Ethylbenzene	~
Heptane	~
Isopropanol	~
Methyl tert butyl ether	~
Methylene chloride	60
n-Hexane	~
o-Xylene	~
p/m-Xylene	~
Propylene	~
Styrene	~
Tetrachloroethene	30
Toluene	~
trans-1,2-Dichloroethene	~
Trichloroethene	5
Trichlorofluoromethane	~
Vinyl chloride	~

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. SAMPLING LOCATIONS WERE SURVEYED BY LANGAN.
3. NORTH ARROW REPRESENTS PROJECT NORTH.
4. SOIL VAPOR SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDANCE VALUE (AGV).
5. ALL DETECTIONS ARE SHOWN ON THE FIGURE.
6. NYSDOH AGV EXCEEDANCES ARE SHADED AND BOLDED.
7. VOCs = VOLATILE ORGANIC COMPOUNDS
8. $\mu g/m^3$ = MICROGRAMS PER CUBIC METER
9. TWO AMBIENT AIR SAMPLES WERE COLLECTED: AA01_2013-917 AND AA02_20130918; THE RESULTS DO NOT EXCEED THE NYSDOH AGV CRITERIA.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

250 0 125 250

SCALE IN FEET

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Langan International LLC

Collectively known as Langan

Project: GREENPOINT LANDING

KINGS — BROOKLYN — NEW YORK

Drawing Title: SOIL VAPOR ANALYTICAL RESULTS

PHASE 1 REMEDIAL INVESTIGATION

Project No. 170229002	Drawing No. 11
Date 5/2/2014	
Scale 1' = 250'	
Drawn By MB / Checked By GCW	
Submission Date 5/2/2014	Sheet 11 of 13

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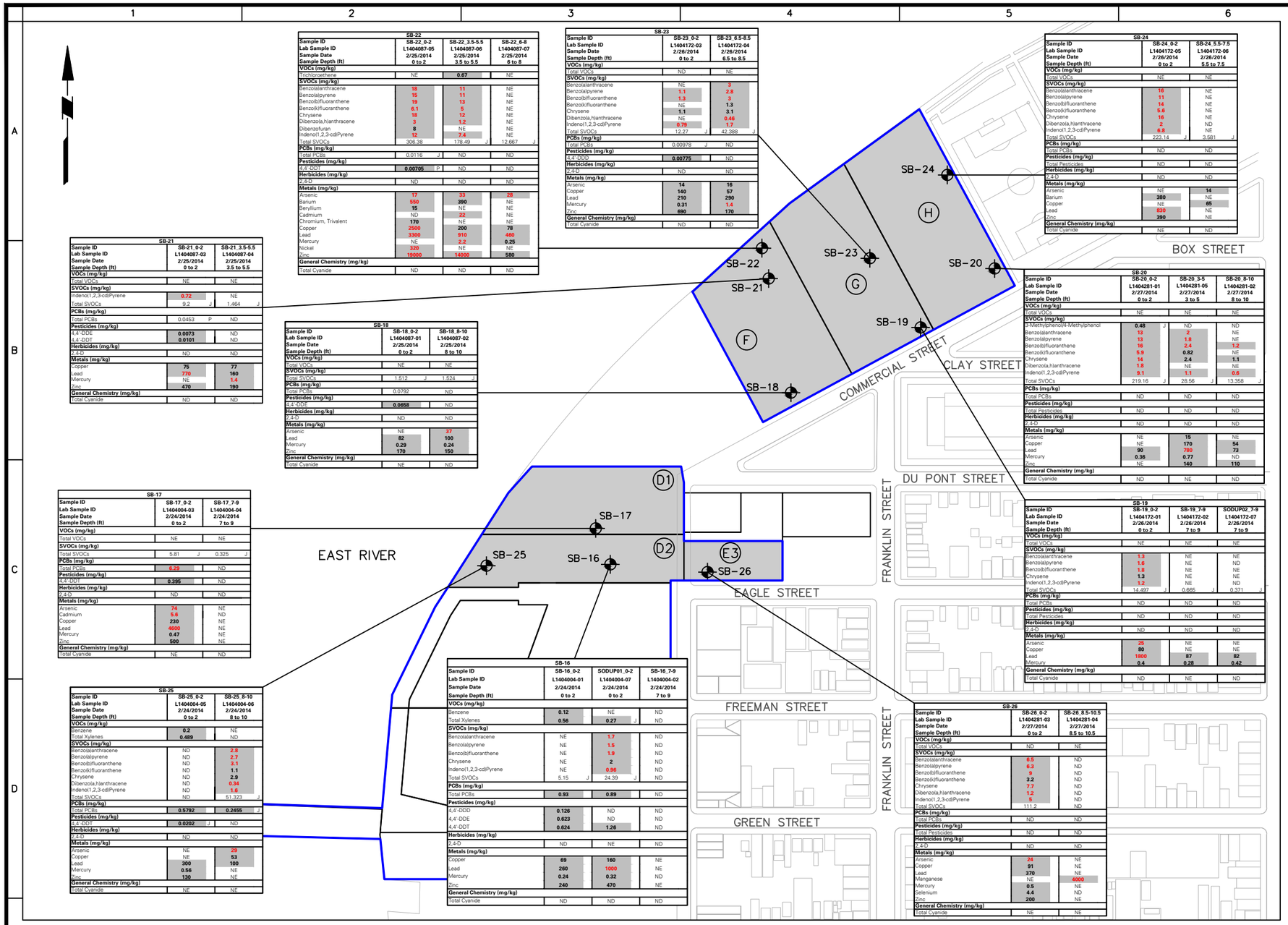

SB-22			
Sample ID	SB-22_0-2	SB-22_3.5-5.5	SB-22_6-8
Lab Sample ID	L1404087-05	L1404087-06	L1404087-07
Sample Date	2/25/2014	2/25/2014	2/25/2014
Sample Depth (ft)	0 to 2	3.5 to 5.5	6 to 8
VOCs (mg/kg)			
Trichloroethene	NE	**0.67**	NE
SVOCs (mg/kg)			
Benzo(a)anthracene	18	11	NE
Benzo(a)pyrene	15	11	NE
Benzo(b)fluoranthene	19	13	NE
Benzo(k)fluoranthene	6.1	5	NE
Chrysene	18	12	NE
Dibenzo(a,h)anthracene	3	1.2	NE
Dibenzofuran	8	NE	NE
Indeno(1,2,3-cd)Pyrene	12	7.4	NE
Total SVOCs	306.38	178.49 J	12.667 J
PCBs (mg/kg)			
Total PCBs	0.0116 J	ND	ND
Pesticides (mg/kg)			
4,4'-DDT	0.00705 P	ND	ND
Herbicides (mg/kg)			
2,4-D	ND	ND	ND
Metals (mg/kg)			
Arsenic	17	33	28
Barium	550	390	NE
Beryllium	15	NE	NE
Cadmium	ND	22	NE
Chromium, Trivalent	170	NE	NE
Copper	2500	200	78
Lead	3300	910	460
Mercury	NE	2.2	0.25
Nickel	320	NE	NE
Zinc	19000	14000	580
General Chemistry (mg/kg)			
Total Cyanide	ND	ND	ND

SB-23		
Sample ID	SB-23_0-2	SB-23_6.5-8.5
Lab Sample ID	L1404172-03	L1404172-04
Sample Date	2/26/2014	2/26/2014
Sample Depth (ft)	0 to 2	6.5 to 8.5
VOCs (mg/kg)		
Total VOCs	ND	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	NE	3
Benzo(a)pyrene	1.1	2.8
Benzo(b)fluoranthene	1.3	3
Benzo(k)fluoranthene	NE	1.3
Chrysene	1.1	3.1
Dibenzo(a,h)anthracene	NE	0.46
Indeno(1,2,3-cd)Pyrene	0.79	1.7
Total SVOCs	12.27 J	42.388 J
PCBs (mg/kg)		
Total PCBs	0.00978 J	ND
Pesticides (mg/kg)		
4,4'-DDD	0.00775	ND
Herbicides (mg/kg)		
2,4-D	ND	ND
Metals (mg/kg)		
Arsenic	14	16
Copper	140	57
Lead	210	290
Mercury	0.31	1.4
Zinc	690	170
General Chemistry (mg/kg)		
Total Cyanide	ND	ND

SB-24		
Sample ID	SB-24_0-2	SB-24_5.5-7.5
Lab Sample ID	L1404172-05	L1404172-06
Sample Date	2/26/2014	2/26/2014
Sample Depth (ft)	0 to 2	5.5 to 7.5
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	16	NE
Benzo(a)pyrene	11	NE
Benzo(b)fluoranthene	14	NE
Benzo(k)fluoranthene	5.6	NE
Chrysene	16	NE
Dibenzo(a,h)anthracene	2	ND
Indeno(1,2,3-cd)Pyrene	6.8	NE
Total SVOCs	223.14 J	3.581 J
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Herbicides (mg/kg)		
2,4-D	ND	ND
Metals (mg/kg)		
Arsenic	NE	14
Barium	380	NE
Copper	NE	65
Lead	830	NE
Zinc	390	NE
General Chemistry (mg/kg)		
Total Cyanide	NE	ND

SB-21		
Sample ID	SB-21_0-2	SB-21_3.5-5.5
Lab Sample ID	L1404087-03	L1404087-04
Sample Date	2/25/2014	2/25/2014
Sample Depth (ft)	0 to 2	3.5 to 5.5
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Indeno(1,2,3-cd)Pyrene	0.72	NE
Total SVOCs	9.2 J	1.464 J
PCBs (mg/kg)		
Total PCBs	0.0453 P	ND
Pesticides (mg/kg)		
4,4'-DDE	0.0073	ND
4,4'-DDT	0.0101	ND
Herbicides (mg/kg)		
2,4-D	ND	ND
Metals (mg/kg)		
Copper	75	77
Lead	770	160
Mercury	NE	1.4
Zinc	470	190
General Chemistry (mg/kg)		
Total Cyanide	ND	ND

SB-20			
Sample ID	SB-20_0-2	SB-20_3-5	SB-20_8-10
Lab Sample ID	L1404281-01	L1404281-05	L1404281-02
Sample Date	2/27/2014	2/27/2014	2/27/2014
Sample Depth (ft)	0 to 2	3 to 5	8 to 10
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
3-Methylphenol/4-Methylphenol	0.48 J	ND	ND
Benzo(a)anthracene	13	2	NE
Benzo(a)pyrene	13	1.8	NE
Benzo(b)fluoranthene	16	2.4	1.2
Benzo(k)fluoranthene	5.9	0.82	NE
Chrysene	14	2.4	1.1
Dibenzo(a,h)anthracene	1.8	NE	NE
Indeno(1,2,3-cd)Pyrene	9.1	1.1	0.6
Total SVOCs	219.16 J	28.56 J	13.358 J
PCBs (mg/kg)			
Total PCBs	ND	ND	ND
Pesticides (mg/kg)			
Total Pesticides	ND	ND	ND
Herbicides (mg/kg)			
2,4-D	ND	ND	ND
Metals (mg/kg)			
Arsenic	NE	15	NE
Copper	NE	170	54
Lead	90	780	73
Mercury	0.36	0.77	ND
Zinc	NE	140	110
General Chemistry (mg/kg)			
Total Cyanide	ND	NE	ND

SB-18		
Sample ID	SB-18_0-2	SB-18_8-10
Lab Sample ID	L1404087-01	L1404087-02
Sample Date	2/25/2014	2/25/2014
Sample Depth (ft)	0 to 2	8 to 10
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Total SVOCs	1.512 J	1.524 J
PCBs (mg/kg)		
Total PCBs	0.0792	ND
Pesticides (mg/kg)		
4,4'-DDE	0.0658	ND
Herbicides (mg/kg)		
2,4-D	ND	ND
Metals (mg/kg)		
Arsenic	NE	37
Lead	82	100
Mercury	0.29	0.24
Zinc	170	150
General Chemistry (mg/kg)		
Total Cyanide	NE	ND

SB-19			
Sample ID	SB-19_0-2	SB-19_7-9	SODUP02_7-9
Lab Sample ID	L1404172-01	L1404172-02	L1404172-07
Sample Date	2/26/2014	2/26/2014	2/26/2014
Sample Depth (ft)	0 to 2	7 to 9	7 to 9
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Benzo(a)anthracene	1.3	NE	NE
Benzo(a)pyrene	1.6	NE	ND
Benzo(b)fluoranthene	1.8	NE	NE
Chrysene	1.3	NE	NE
Indeno(1,2,3-cd)Pyrene	1.2	NE	ND
Total SVOCs	14.497 J	0.665 J	0.371 J
PCBs (mg/kg)			
Total PCBs	ND	ND	ND
Pesticides (mg/kg)			
Total Pesticides	ND	ND	ND
Herbicides (mg/kg)			
2,4-D	ND	ND	ND
Metals (mg/kg)			
Arsenic	25	NE	NE
Copper	80	NE	NE
Lead	1800	87	82
Mercury	0.4	0.28	0.42
General Chemistry (mg/kg)			
Total Cyanide	ND	NE	ND

SB-17		
Sample ID	SB-17_0-2	SB-17_7-9
Lab Sample ID	L1404004-03	L1404004-04
Sample Date	2/24/2014	2/24/2014
Sample Depth (ft)	0 to 2	7 to 9
VOCs (mg/kg)		
Total VOCs	NE	NE
SVOCs (mg/kg)		
Total SVOCs	5.81 J	0.325 J
PCBs (mg/kg)		
Total PCBs	6.29	ND
Pesticides (mg/kg)		
4,4'-DDT	0.395	ND
Herbicides (mg/kg)		
2,4-D	ND	ND
Metals (mg/kg)		
Arsenic	74	NE
Cadmium	5.6	ND
Copper	230	NE
Lead	4850	NE
Mercury	0.47	NE
Zinc	500	NE
General Chemistry (mg/kg)		
Total Cyanide	NE	ND

SB-16			
Sample ID	SB-16_0-2	SODUP01_0-2	SB-16_7-9
Lab Sample ID	L1404004-01	L1404004-07	L1404004-02
Sample Date	2/24/2014	2/24/2014	2/24/2014
Sample Depth (ft)	0 to 2	0 to 2	7 to 9
VOCs (mg/kg)			
Benzene	0.12	NE	ND
Total Xylenes	0.56	0.27 J	ND
SVOCs (mg/kg)			
Benzo(a)anthracene	NE	1.7	ND
Benzo(a)pyrene	NE	1.5	ND
Benzo(b)fluoranthene	NE	1.9	ND
Chrysene	NE	2	ND
Indeno(1,2,3-cd)Pyrene	NE	0.96	ND
Total SVOCs	5.15 J	24.39 J	ND
PCBs (mg/kg)			
Total PCBs	0.93	0.89	ND
Pesticides (mg/kg)			
4,4'-DDD	0.126	ND	ND
4,4'-DDE	0.623	ND	ND
4,4'-DDT	0.624	1.26	ND
Herbicides (mg/kg)			
2,4-D	ND	NE	ND
Metals (mg/kg)			
Copper	69	160	NE
Lead	260	1000	NE
Mercury	0.24	0.32	ND
Zinc	240	470	NE
General Chemistry (mg/kg)			
Total Cyanide	ND	ND	ND

SB-25		
Sample ID	SB-25_0-2	SB-25_8-10
Lab Sample ID	L1404004-05	L1404004-06
Sample Date	2/24/2014	2/24/2014
Sample Depth (ft)	0 to 2	8 to 10
VOCs (mg/kg)		
Benzene	0.2	NE
Total Xylenes	0.489	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	ND	2.8
Benzo(a)pyrene	ND	2.7
Benzo(b)fluoranthene	ND	3.1
Benzo(k)fluoranthene	ND	1.1
Chrysene	ND	2.9
Dibenzo(a,h)anthracene	ND	0.34
Indeno(1,2,3-cd)Pyrene	ND	1.6
Total SVOCs	ND	51.323 J
PCBs (mg/kg)		
Total PCBs	0.5792	0.2455 J
Pesticides (mg/kg)		
4,4'-DDT	0.0202 J	ND
Herbicides (mg/kg)		
2,4-D	ND	ND
Metals (mg/kg)		
Arsenic	NE	29
Copper	NE	53
Lead	300	100
Mercury	0.56	NE
Zinc	130	NE
General Chemistry (mg/kg)		
Total Cyanide	NE	NE

SB-26		
Sample ID	SB-26_0-2	SB-26_8.5-10.5
Lab Sample ID	L1404281-03	L1404281-04
Sample Date	2/27/2014	2/27/2014
Sample Depth (ft)	0 to 2	8.5 to 10.5
VOCs (mg/kg)		
Total VOCs	ND	NE
SVOCs (mg/kg)		
Benzo(a)anthracene	6.5	ND
Benzo(a)pyrene	6.3	ND
Benzo(b)fluoranthene	8	ND
Benzo(k)fluoranthene	3.2	ND
Chrysene	7.7	ND
Dibenzo(a,h)anthracene	1.2	ND
Indeno(1,2,3-cd)Pyrene	5	ND
Total SVOCs	111.2	ND
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Herbicides (mg/kg)		
2,4-D	ND	ND
Metals (mg/kg)		
Arsenic	24	NE
Copper	91	NE
Lead	370	NE
Manganese	NE	4000
Mercury	0.5	NE
Selenium	4.4	ND
Zinc	200	NE
General Chemistry (mg/kg)		
Total Cyanide	NE	NE

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROPERTY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO THE REMEDIAL INVESTIGATION (THE SITE)
- (G) PARCEL ID
- SB-16 SOIL BORING LOCATION AND ID (LANGAN 2014)

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. SOIL BORING LOCATIONS WERE LOCATED BY GPS.
3. NORTH ARROWS SHOWS PROJECT NORTH.
4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC 6 NYCRR PAR 375-6.8(A,B) UNRESTRICTED USE AND RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) (TABLE 1).
5. ONLY ANALYTES WITH DETECTIONS ARE SHOWN.
6. NYSDEC PART 375-6.8(A) UNRESTRICTED USE SCO EXCEEDANCES ARE SHADED AND BOLDED BLACK.
7. NYSDEC PART 375-6.8(B) RESTRICTED-RESIDENTIAL SCO EXCEEDANCES ARE SHADED AND BOLDED RED.
8. VOC - VOLATILE ORGANIC COMPOUND
9. SVOC - SEMIVOLATILE ORGANIC COMPOUND
10. PCB - POLYCHLORINATED BIPHENYL
11. MG/KG - MILLIGRAMS PER KILOGRAM
12. NA - NOT ANALYZED
13. NE - NO EXCEEDANCE OF CRITERIA
14. ND - NOT DETECTED
15. "~" - CRITERIA DOES NOT EXIST
16. J - THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.
17. P - THE RELATIVE PERCENT DIFFERENCE (RPD) BETWEEN THE RESULTS FOR TWO COLUMNS EXCEEDS THE METHOD-SPECIFIED CRITERIA.

TABLE 1

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted-Residential Use SCO
VOCs (mg/kg)		
Benzene	0.06	4.8
Total Xylenes	0.26	100
Trichloroethene	0.47	21
SVOCs (mg/kg)		
3-Methylphenol/4-Methylphenol	0.33	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(g,h,i)perylene	100	100
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Dibenzofuran	7	59
Indeno(1,2,3-c,d)pyrene	0.50	0.50
PCB (mg/kg)		
Total PCBs	0.1	1
Pesticides (mg/kg)		
4,4'-DDD	0.0033	13
4,4'-DDE	0.0033	8.9
4,4'-DDT	0.0033	7.9
Herbicides (mg/kg)		
2,4-D	~	~
Metals (mg/kg)		
Arsenic	13	16
Barium	350	400
Beryllium	7	72
Cadmium	2.5	4
Chromium, Trivalent	30	180
Copper	50	270
Lead	63	400
Manganese	1600	2000
Mercury	0.18	0.81
Nickel	30	310
Selenium	3.9	180
Zinc	109	10000
General Chemistry (mg/kg)		
Total Cyanide	27	27

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Langan International LLC
Collectively known as Langan

Project
GREENPOINT LANDING
KINGS BROOKLYN NEW YORK

Drawing Title
SOIL ANALYTICAL RESULTS
PHASE 2
REMEDIAL INVESTIGATION

Project No. 170229002
Date 5/2/2014
Scale 1"=250'
Drawn By GCW
Submission Date 5/2/2014

Drawing No. 12

Sheet 12 of 13

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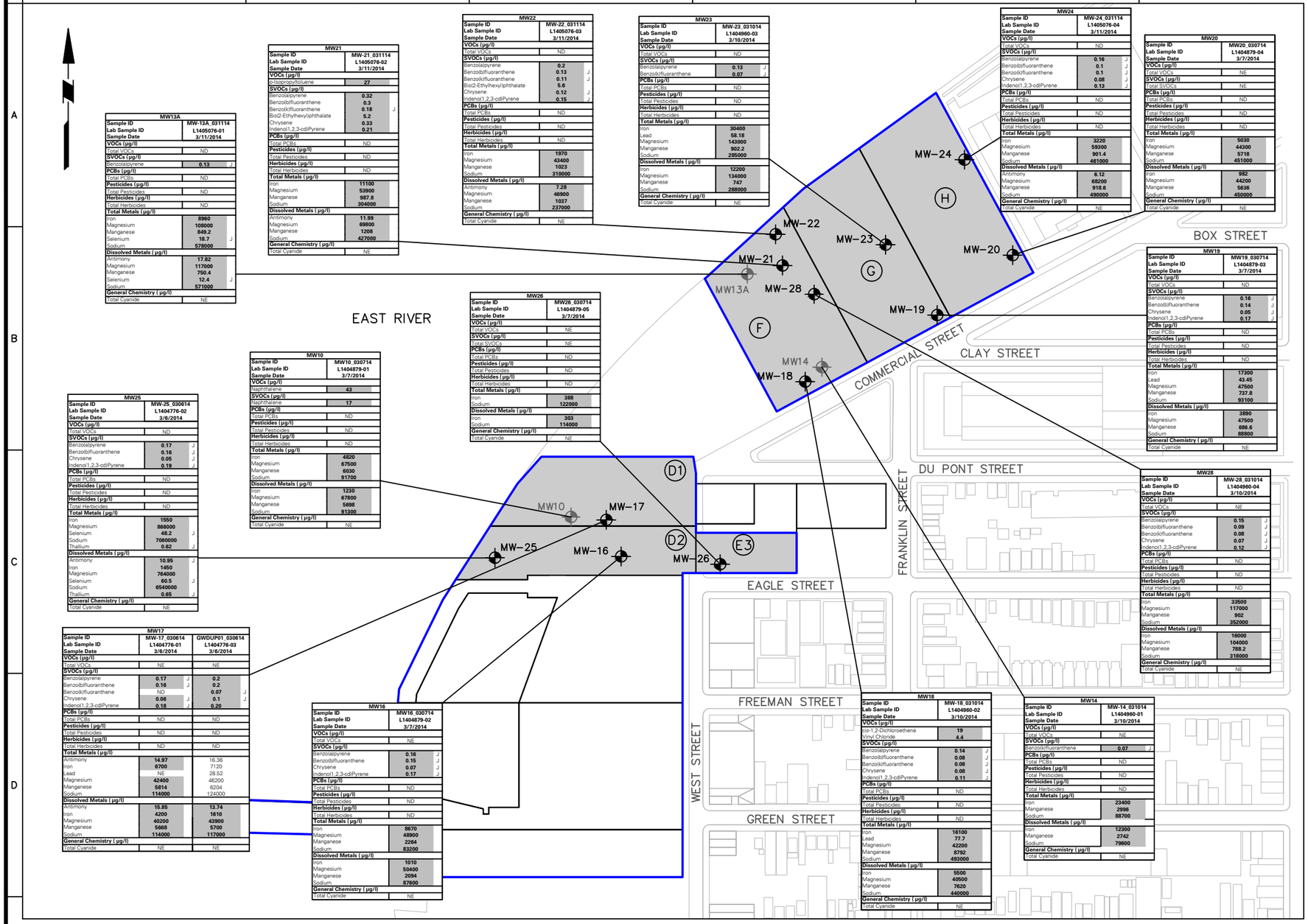
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-RIR\Remedial Investigation Reports\Parcel E3-D1-D2-F-G-H\170229002-Phase 2 RI Soil Tag Map.dwg Date: 5/2/2014 Time: 12:20 User: gwyka Style Table: Langan.stb Layout: ANSIB-BL



MW13A	
Sample ID	MW-13A_031114
Lab Sample ID	L1405076-01
Sample Date	3/11/2014
VOCs (µg/l)	
Total VOCs	ND
SVOCs (µg/l)	
Benzo(a)pyrene	0.13 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	8960
Magnesium	108000
Manganese	849.2
Selenium	18.7 J
Sodium	578000
Dissolved Metals (µg/l)	
Antimony	17.82
Magnesium	117000
Manganese	750.4
Selenium	12.4 J
Sodium	571000
General Chemistry (µg/l)	
Total Cyanide	NE

MW21	
Sample ID	MW-21_031114
Lab Sample ID	L1405076-02
Sample Date	3/11/2014
VOCs (µg/l)	
p-Isopropyltoluene	27
SVOCs (µg/l)	
Benzo(a)pyrene	0.32
Benzo(b)fluoranthene	0.3
Benzo(k)fluoranthene	0.18 J
Bis(2-Ethylhexyl)phthalate	5.2
Chrysene	0.33
Indeno(1,2,3-cd)Pyrene	0.21
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	11100
Magnesium	53900
Manganese	987.8
Sodium	304000
Dissolved Metals (µg/l)	
Antimony	11.99
Magnesium	69800
Manganese	1208
Sodium	427000
General Chemistry (µg/l)	
Total Cyanide	NE

MW22	
Sample ID	MW-22_031114
Lab Sample ID	L1405076-03
Sample Date	3/11/2014
VOCs (µg/l)	
Total VOCs	ND
SVOCs (µg/l)	
Benzo(a)pyrene	0.2
Benzo(b)fluoranthene	0.13 J
Benzo(k)fluoranthene	0.11 J
Bis(2-Ethylhexyl)phthalate	5.6
Chrysene	0.12 J
Indeno(1,2,3-cd)Pyrene	0.15 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	1970
Magnesium	43400
Manganese	1023
Sodium	310000
Dissolved Metals (µg/l)	
Antimony	7.28
Magnesium	46900
Manganese	1037
Sodium	237000
General Chemistry (µg/l)	
Total Cyanide	NE

MW23	
Sample ID	MW-23_031014
Lab Sample ID	L1404960-03
Sample Date	3/10/2014
VOCs (µg/l)	
Total VOCs	ND
SVOCs (µg/l)	
Benzo(a)pyrene	0.13 J
Benzo(k)fluoranthene	0.07 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	30400
Lead	58.18
Magnesium	143000
Manganese	902.2
Sodium	285000
Dissolved Metals (µg/l)	
Iron	12200
Magnesium	134000
Manganese	747
Sodium	268000
General Chemistry (µg/l)	
Total Cyanide	NE

MW24	
Sample ID	MW-24_031114
Lab Sample ID	L1405076-04
Sample Date	3/11/2014
VOCs (µg/l)	
Total VOCs	ND
SVOCs (µg/l)	
Benzo(a)pyrene	0.16 J
Benzo(b)fluoranthene	0.1 J
Benzo(k)fluoranthene	0.1 J
Chrysene	0.08 J
Indeno(1,2,3-cd)Pyrene	0.13 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	3220
Magnesium	59300
Manganese	901.4
Sodium	461000
Dissolved Metals (µg/l)	
Antimony	6.12
Magnesium	68200
Manganese	918.6
Sodium	490000
General Chemistry (µg/l)	
Total Cyanide	NE

MW20	
Sample ID	MW20_030714
Lab Sample ID	L1404879-04
Sample Date	3/7/2014
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Total SVOCs	NE
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	5030
Magnesium	44300
Manganese	5718
Sodium	451000
Dissolved Metals (µg/l)	
Iron	982
Magnesium	44200
Manganese	5636
Sodium	450000
General Chemistry (µg/l)	
Total Cyanide	NE

MW26	
Sample ID	MW26_030714
Lab Sample ID	L1404879-05
Sample Date	3/7/2014
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Total SVOCs	NE
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	389
Sodium	122000
Dissolved Metals (µg/l)	
Iron	303
Sodium	114000
General Chemistry (µg/l)	
Total Cyanide	NE

MW19	
Sample ID	MW19_030714
Lab Sample ID	L1404879-03
Sample Date	3/7/2014
VOCs (µg/l)	
Total VOCs	ND
SVOCs (µg/l)	
Benzo(a)pyrene	0.16 J
Benzo(b)fluoranthene	0.14 J
Chrysene	0.05 J
Indeno(1,2,3-cd)Pyrene	0.17 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	17300
Lead	43.45
Magnesium	47500
Manganese	737.8
Sodium	93100
Dissolved Metals (µg/l)	
Iron	3890
Magnesium	47500
Manganese	686.6
Sodium	88800
General Chemistry (µg/l)	
Total Cyanide	NE

MW10	
Sample ID	MW10_030714
Lab Sample ID	L1404879-01
Sample Date	3/7/2014
VOCs (µg/l)	
Naphthalene	43
SVOCs (µg/l)	
Naphthalene	17
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	4820
Magnesium	67500
Manganese	6030
Sodium	91700
Dissolved Metals (µg/l)	
Iron	1230
Magnesium	67800
Manganese	5698
Sodium	91300
General Chemistry (µg/l)	
Total Cyanide	NE

MW25	
Sample ID	MW-25_030614
Lab Sample ID	L1404776-02
Sample Date	3/6/2014
VOCs (µg/l)	
Total VOCs	ND
SVOCs (µg/l)	
Benzo(a)pyrene	0.17 J
Benzo(b)fluoranthene	0.16 J
Chrysene	0.05 J
Indeno(1,2,3-cd)Pyrene	0.19 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	1550
Magnesium	866000
Selenium	48.2 J
Sodium	7060000
Thallium	0.62 J
Dissolved Metals (µg/l)	
Antimony	10.95 J
Iron	1450
Magnesium	764000
Selenium	60.5 J
Sodium	6540000
Thallium	0.65 J
General Chemistry (µg/l)	
Total Cyanide	NE

MW28	
Sample ID	MW-28_031014
Lab Sample ID	L1404960-04
Sample Date	3/10/2014
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Benzo(a)pyrene	0.15 J
Benzo(b)fluoranthene	0.09 J
Benzo(k)fluoranthene	0.08 J
Chrysene	0.07 J
Indeno(1,2,3-cd)Pyrene	0.12 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	33500
Magnesium	117000
Manganese	902
Sodium	352000
Dissolved Metals (µg/l)	
Iron	16000
Magnesium	104000
Manganese	788.2
Sodium	318000
General Chemistry (µg/l)	
Total Cyanide	NE

MW17		
Sample ID	MW-17_030614	GWDUP01_030614
Lab Sample ID	L1404776-01	L1404776-03
Sample Date	3/6/2014	3/6/2014
VOCs (µg/l)		
Total VOCs	NE	NE
SVOCs (µg/l)		
Benzo(a)pyrene	0.17 J	0.2
Benzo(b)fluoranthene	0.16 J	0.2
Benzo(k)fluoranthene	ND	0.07 J
Chrysene	0.06 J	0.1 J
Indeno(1,2,3-cd)Pyrene	0.18 J	0.20
PCBs (µg/l)		
Total PCBs	ND	ND
Pesticides (µg/l)		
Total Pesticides	ND	ND
Herbicides (µg/l)		
Total Herbicides	ND	ND
Total Metals (µg/l)		
Antimony	14.97	16.36
Iron	6700	7120
Lead	NE	28.52
Magnesium	42400	46200
Manganese	5814	6204
Sodium	114000	124000
Dissolved Metals (µg/l)		
Antimony	15.85	13.74
Iron	4200	1610
Magnesium	40200	43900
Manganese	5668	5700
Sodium	114000	117000
General Chemistry (µg/l)		
Total Cyanide	NE	NE

MW16	
Sample ID	MW16_030714
Lab Sample ID	L1404879-02
Sample Date	3/7/2014
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Benzo(a)pyrene	0.16 J
Benzo(b)fluoranthene	0.15 J
Chrysene	0.07 J
Indeno(1,2,3-cd)Pyrene	0.17 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	8670
Magnesium	48900
Manganese	2264
Sodium	83200
Dissolved Metals (µg/l)	
Iron	1010
Magnesium	50400
Manganese	2094
Sodium	87600
General Chemistry (µg/l)	
Total Cyanide	NE

MW18	
Sample ID	MW-18_031014
Lab Sample ID	L1404960-02
Sample Date	3/10/2014
VOCs (µg/l)	
cis-1,2-Dichloroethene	19
Vinyl Chloride	4.4
SVOCs (µg/l)	
Benzo(a)pyrene	0.14 J
Benzo(b)fluoranthene	0.08 J
Benzo(k)fluoranthene	0.08 J
Chrysene	0.08 J
Indeno(1,2,3-cd)Pyrene	0.11 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	16100
Lead	77.7
Magnesium	42200
Manganese	8792
Sodium	493000
Dissolved Metals (µg/l)	
Iron	5500
Magnesium	40500
Manganese	7620
Sodium	440000
General Chemistry (µg/l)	
Total Cyanide	NE

MW14	
Sample ID	MW-14_031014
Lab Sample ID	L1404960-01
Sample Date	3/10/2014
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Benzo(b)fluoranthene	0.07 J
PCBs (µg/l)	
Total PCBs	ND
Pesticides (µg/l)	
Total Pesticides	ND
Herbicides (µg/l)	
Total Herbicides	ND
Total Metals (µg/l)	
Iron	23400
Manganese	2996
Sodium	88700
Dissolved Metals (µg/l)	
Iron	12300
Manganese	2742
Sodium	79600
General Chemistry (µg/l)	
Total Cyanide	NE

LEGEND

- APPROXIMATE BOUNDARY OF DEVELOPMENT PROJECT
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO THE REMEDIAL INVESTIGATION (THE SITE)
- (G) PARCEL ID
- MW10 MONITORING WELL LOCATION AND ID (AKRF 2003)
- MW-16 MONITORING WELL LOCATION AND ID (LANGAN 2014)

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. WELL LOCATIONS WERE SURVEYED BY LANGAN SURVEY.
3. NORTH ARROW SHOWS PROJECT NORTH.
4. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR (SGVs) CLASS GA WATER-TABLE 1.
5. ONLY ANALYTES WITH DETECTIONS ARE SHOWN.
6. NYSDEC TOGS 1.1.1 SGVs EXCEEDANCES ARE HIGHLIGHTED AND BOLDED.
7. VOC – VOLATILE ORGANIC COMPOUND
8. SVOC – SEMIVOLATILE ORGANIC COMPOUND
9. PCB – POLYCHLORINATED BIPHENYL
10. (µg/l) – MICROGRAM PER LITER
11. NE – NO EXCEEDANCE OF CRITERIA
12. ND – NOT DETECTED
13. "~" – CRITERIA DOES NOT EXIST
14. J – THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

TABLE 1

Analyte	NYSDEC TOGS Standards and Guidance Values - GA
VOCs (µg/l)	
cis-1,2-Dichloroethene	5
Naphthalene	10
p-Isopropyltoluene	5
Vinyl chloride	2
SVOCs (µg/l)	
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Benzo(g,h,i)perylene	0.002
Bis(2-Ethylhexyl)phthalate	5
Chrysene	0.002
Indeno(1,2,3-cd)Pyrene	0.002
Naphthalene	10
PCB (µg/l)	
Total PCBs	0.09
Pesticides (µg/l)	
Total Pesticides	--
Herbicides (µg/l)	
Total Herbicides	--
Total Metals (µg/l)	
Antimony	3
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000
Thallium	0.5
Dissolved Metals (µg/l)	
Antimony	3
Iron	300
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000
Thallium	0.5
General Chemistry (µg/l)	
Total Cyanide	200

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Project
GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title
GROUNDWATER ANALYTICAL RESULTS
PHASE 2 REMEDIAL INVESTIGATION

Project No. 170229002	Drawing No. 13
Date 5/2/2014	
Scale 1"=250'	
Drawn By GCW	
Submission Date 5/2/2014	Sheet 13 of 13

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TABLES

Table 1
Soil Vapor Program Samples
Remedial Invesitgation Report
Parcels E3, D1, D2, F, G, and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Parent Sample	Sample Type	Sample Location	Analysis
1	SV-1_20130918	N/A	Soil Vapor	SV-1	TO-15 VOCs
2	SV-2_20130918	N/A	Soil Vapor	SV-2	TO-15 VOCs
3	SV-3_20130918	N/A	Soil Vapor	SV-3	TO-15 VOCs
4	SV-4_20130918	N/A	Soil Vapor	SV-4	TO-15 VOCs
5	SV-5_20130918	N/A	Soil Vapor	SV-5	TO-15 VOCs
6	SV-6_20130918	N/A	Soil Vapor	SV-6	TO-15 VOCs
7	SV-7_20130917	N/A	Soil Vapor	SV-7	TO-15 VOCs
8	SVDUP01_20130917	SV-7_20130917	Duplicate	SV-7	TO-15 VOCs
9	SV-8_20130917	N/A	Soil Vapor	SV-8	TO-15 VOCs
10	SV-9_20130918	N/A	Soil Vapor	SV-9	TO-15 VOCs
11	SV-10_20130918	N/A	Soil Vapor	SV-10	TO-15 VOCs
12	SV-11_20130917	N/A	Soil Vapor	SV-11	TO-15 VOCs
13	SV-12_20130918	N/A	Soil Vapor	SV-12	TO-15 VOCs
14	AA01_20130917	N/A	Ambient Air	AA01	TO-15 VOCs
15	AA02_20130918	N/A	Ambient Air	AA02	TO-15 VOCs

Notes:
1. VOCs - Volatile Organic Compounds
2. N/A -Not Applicable

Table 2
Soil Program Samples
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample ID	Boring ID	Sample Date	Sample Type	Depth (ft bgs)	Analysis
1	SB-16_0-2	SB-16	2/24/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
2	SB-16_7-9	SB-16	2/24/2014	Grab	7 to 9	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
3	SB-17_0-2	SB-17	2/24/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
4	SB-17_7-9	SB-17	2/24/2014	Grab	7 to 9	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
5	SB-18_0-2	SB-18	2/25/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
6	SB-18_8-10	SB-18	2/25/2014	Grab	8 to 10	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
7	SB-19_0-2	SB-19	2/26/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
8	SB-19_7-9	SB-19	2/26/2014	Grab	7 to 9	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
9	SB-20_0-2	SB-20	2/27/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
10	SB-20_3-5	SB-20	2/27/2014	Grab	3 to 5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
11	SB-20_8-10	SB-20	2/27/2014	Grab	8 to 10	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
12	SB-21_0-2	SB-21	2/25/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
13	SB-21_3.5-5.5	SB-21	2/25/2014	Grab	3.5 to 5.5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
14	SB-22_0-2	SB-22	2/25/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
15	SB-22_3.5-5.5	SB-22	2/25/2014	Grab	3.5 to 5.5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
16	SB-22_6-8	SB-22	2/25/2014	Grab	6 to 8	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
17	SB-23_0-2	SB-23	2/26/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
18	SB-23_6.5-8.5	SB-23	2/26/2014	Grab	6.5 to 8.5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
19	SB-24_0-2	SB-24	2/26/2014	Grab	0 to 2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
20	SB-24_5.5-7.5	SB-24	2/26/2014	Grab	5.5 to 7.5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
21	SB-25_0-2	SB-25	2/24/2014	Grab	0-2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
22	SB-25_8-10	SB-25	2/24/2014	Grab	10-Aug	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
23	SB-26_0-2	SB-26	2/27/2014	Grab	Grab	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
24	SB-26_8.5-10.5	SB-26	2/27/2014	Grab	Grab	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium

Notes:
1. All soil samples for VOC analysis were collected using EnCore sample devices.
2. ft bgs - feet below ground surface
3. TCL - Target Compound List
4. TAL - Target Analyte List
5. VOCs - Volatile Organic Compounds
6. SVOCs - Semivolatile Organic Compounds
7. PCBs - Polychlorinated Biphenyls

Table 3
Soil Program QA/QC Samples
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample ID	Parent Sample ID	Sampling Location	Sample Date	QA/QC Type	Sample Type	Sampling Frequency	Analysis
SODUP01_0-2	SB-16_0-2	SB-16	2/24/2014	Field Duplicate	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
SODUP02_7-9	SB-19_7-9	SB-19	2/26/2014	Field Duplicate	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
SB-20_3-5	SB-20_3-5	SB-20	2/27/2014	MS/MSD	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
SB-22_6-8	SB-22_6-8	SB-22	2/25/2014	MS/MSD	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
SOFB01_22514	N/A	N/A	2/25/2014	Field Blank	N/A	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
SOFB02_22714	N/A	N/A	2/27/2014	Field Blank	N/A	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
SOTB01_022414	N/A	N/A	2/24/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
SOTB02_022514	N/A	N/A	2/25/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
SOTB03_022614	N/A	N/A	2/26/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
SOTB04_022714	N/A	N/A	2/27/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)

Notes:
1. MS/MSD - Matrix Spike/Matrix Spike Duplicate
2. TCL - Target Compound List
3. TAL - Target Analyte List
4. VOCs - Volatile Organic Compounds
5. SVOCs - Semivolatile Organic Compounds
6. PCBs - Polychlorinated Biphenyls

Table 4
Groundwater Program Samples
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample ID	Well ID	Sample Date	Sample Type	Depth (ft BTOC)	Analysis
1	MW16_030714	MW-16	3/7/2014	Grab	8.15	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
2	MW-17	MW-17	3/6/2014	Grab	9.5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
3	MW-18_031014	MW-18	3/10/2014	Grab	8.86	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
4	MW19_030714	MW-19	3/7/2014	Grab	10.56	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
5	MW20_030714	MW-20	3/7/2014	Grab	10.29	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
6	MW-21_031114	MW-21	3/11/2014	Grab	6.8	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
7	MW-22_031114	MW-22	3/11/2014	Grab	7.62	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
8	MW-23_0301014	MW-23	3/10/2014	Grab	7.51	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
9	MW-24_031114	MW-24	3/11/2014	Grab	7.03	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
10	MW-25	MW-25	3/6/2014	Grab	6.87	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
11	MW26_030714	MW26	3/7/2014	Grab	10.2	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
12	MW-28_031014	MW-28	3/10/2014	Grab	7.5	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
13	MW10_030714	MW10	3/7/2014	Grab	7.75	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
14	MW-13A_031114	MW13A	3/11/2014	Grab	6.62	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium
15	MW-14_031014	MW14	3/10/2014	Grab	9.1	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [*Filtered and Unfiltered*]), Cyanide, Trivalent Chromium, Hex Chromium

Notes:
1. BTOC - Below top of casing
2. Depth (ft BTOC) refers to approximate depth of groundwater during sampling
3. TCL - Target Compound List
4. TAL - Target Analyte List
5. VOCs - Volatile Organic Compounds
6. SVOCs - Semivolatile Organic Compounds
7. PCBs - Polychlorinated Biphenyls

Table 5
Groundwater Program QA-QC Samples
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample ID	Parent Sample ID	Sampling Location	Sample Date	QA/QC Type	Sample Type	Sampling Frequency	Analysis
GWDUP01_030614	MW-17	MW-17	3/6/2014	Field Duplicate	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium
MW26_030714_MS	MW26_030714	MW-26	3/7/2014	MS	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium
MW26_030714_MSD	MW26_030714	MW-26	3/7/2014	MSD	Grab	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium
GWFB_030714	N/A	N/A	3/7/2014	Field Blank	N/A	1 per 20 samples	TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals), Cyanide, Trivalent Chromium, Hex Chromium
GWTB01_030614	N/A	N/A	3/6/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
GWTB02_030614	N/A	N/A	3/6/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
GWTB_030714	N/A	N/A	3/7/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
GWTB04_031014	N/A	N/A	3/10/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)
GWTB05_031114	N/A	N/A	3/11/2014	Trip Blank	N/A	One per cooler of VOC samples	TCL List (VOCs)

Notes:
1. MS - Matrix Spike
2. MSD - Matrix Spike Duplicate
3. TCL - Target Compound List
4. TAL - Target Analyte List
5. VOCs - Volatile Organic Compounds
6. SVOCs - Semivolatile Organic Compounds
7. PCBs - Polychlorinated Biphenyls

Table 6
Groundwater Elevations
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Well ID	Inner Casing Elevation (ft BBHD)	Screened Interval (ft bgs)	Total Well Depth (ft bgs)	Date Gauged	Time Gauged	Depth to Groundwater (ft bgs)	Groundwater Elevation (ft BBHD)
MW10	6.62	4 to 14	14	3/12/2014	13:55	6.84	-0.22
MW13A	6.56	2 to 12	12	3/12/2014	14:40	6.21	0.35
MW14	10.23	4 to 14	14	3/12/2014	14:32	9.01	1.22
MW-16	7.91	4 to 12	12	3/12/2014	13:59	7.38	0.53
MW-17	7.26	4 to 13	13	3/12/2014	13:52	6.95	0.31
MW-18	9.86	5 to 15	15	3/12/2014	14:29	8.70	1.16
MW-19	10.45	5 to 15	15	3/12/2014	14:15	9.00	1.45
MW-20	11.43	5 to 15	15	3/12/2014	14:18	9.64	1.79
MW-21	7.38	4 to 11	11	3/12/2014	14:43	6.63	0.75
MW-22	7.04	4 to 11	11	3/12/2014	14:46	7.30	-0.26
MW-23	9.17[a]	5 to 15	15	3/12/2014	14:38	7.28	1.89
MW-24	8.21	5 to 15	15	3/12/2014	14:24	7.00	1.21
MW-25	5.97	5 to 15	15	3/12/2014	13:49	6.85	-0.88
MW-26	11.44	5 to 15	15	3/12/2014	14:06	10.10	1.34
MW-28	8.95	10 to 20	20	3/12/2014	14:35	7.46	1.49

Notes:
1. All monitoring wells were completed with flush-mount well covers and a concrete collar.
2. BBHD - Borough of Brooklyn Highway Datum
3. "a" - Elevation refers to ground surface. Well was under vehicle during survey. Top of inner casing was not surveyed.
4. ft bgs - feet below ground surface

Table 7
Soil Vapor Sample Detections
Remedial Investigation Report
Parcels E3, D1, D2, F, G, and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location		SV-1		SV-2		SV-3		SV-4		SV-5		SV-6		SV-7				SV-8		SV-9		SV-10		SV-11		SV-12		AA01		AA02	
Client Sample ID	NYSDOH	SV-1_20130918		SV-2_20130918		SV-3_20130918		SV-4_20130918		SV-5_20130918		SV-6_20130918		SV-7_20130917		SVDUP01_20130917		SV-8_20130917		SV-9_20130918		SV-10_20130918		SV-11_20130917		SV-12_20130918		AA01_20130917		AA02_20130918	
Sampling Date	AGV	9/18/2013		9/18/2013		9/18/2013		9/18/2013		9/18/2013		9/18/2013		9/17/2013		9/17/2013		9/17/2013		9/18/2013		9/18/2013		9/17/2013		9/18/2013		9/17/2013		9/18/2013	
Lab Sample ID		L1318455-10		L1318455-09		L1318455-07		L1318455-08		L1318455-06		L1318455-05		L1318328-01		L1318328-05		L1318328-02		L1318455-04		L1318455-01		L1318328-03		L1318455-02		L1318328-04		L1318455-03	
VOC (µg/m³)																															
1,1-Dichloroethane	~	2.15	U	4.33		2.27	U	2.2	U	2.2	U	2.19	U	2.21	U	2.19	U	2.23	U	2.15	U	2.3	U	2.22	U	2.42	U	2.18	U	2.22	U
1,1-Dichloroethene	~	2.11	U	2.14	U	2.23	U	2.15	U	2.15	U	2.14	U	22.1		24.8		2.18	U	2.11	U	2.25	U	2.17	U	2.37	U	2.14	U	2.17	U
1,2,4-Trimethylbenzene	~	2.62	U	2.65	U	3.23		2.67	U	2.67	U	3.38		2.68	U	2.65	U	2.7	U	2.62	U	2.79	U	145		2.94	U	2.65	U	2.69	U
1,2-Dichloropropane	~	2.46	U	2.5	U	215		2.51	U	2.51	U	2.5	U	2.52	U	2.5	U	2.54	U	2.46	U	2.63	U	2.53	U	2.76	U	2.49	U	2.53	U
1,3,5-Trimethylbenzene	~	2.62	U	2.65	U	2.78		2.67	U	2.67	U	2.65	U	2.68	U	2.65	U	2.7	U	2.62	U	2.79	U	109		2.94	U	2.65	U	2.69	U
1,3-Butadiene	~	1.18	U	1.19	U	1.24	U	1.2	U	1.2	U	1.19	U	1.21	U	1.19	U	1.22	U	1.18	U	1.41		1.58		1.32	U	1.19	U	1.21	U
2,2,4-Trimethylpentane	~	2.48	U	2.52	U	2.62	U	2.54	U	4.13		2.52	U	2.55	U	2.52	U	2.57	U	2.9		2.65	U	2.56	U	2.79	U	2.52	U	2.56	U
2-Butanone	~	6.64		4.69		14.4		23.5		25.7		7.96		9.53		10.6		4.72		10.4		8.32		5.4		14.4		1.59	U	1.62	U
2-Hexanone	~	2.18	U	2.21	U	2.3	U	2.23	U	2.25		2.21	U	2.23	U	2.21	U	2.25	U	2.18	U	2.33	U	2.25	U	2.45	U	2.21	U	2.25	U
4-Ethyltoluene	~	2.62	U	2.65	U	2.76	U	2.67	U	2.67	U	2.65	U	2.68	U	2.65	U	2.7	U	2.62	U	2.79	U	7.67		2.94	U	2.65	U	2.69	U
Acetone	~	193		6.41	U	280		171		280		363		45.1		58.2		41.3		224		6.75	U	92.6		371		8.24		9.1	
Benzene	~	1.7	U	1.73	U	12.7		5.75		3.39		9.78		1.79		1.88		3.48		3.17		5.3		53.4		1.91	U	1.72	U	1.75	U
Carbon disulfide	~	54.8		6.23		26.4		200		61		1.68	U	35.2		40.8		26.3		211		104		79.1		1.86	U	1.68	U	1.71	U
Chloroform	~	3.07		2.64	U	8.16		2.65	U	2.65	U	2.64	U	2.66	U	2.64	U	2.69	U	2.6	U	2.77	U	9.52		2.92	U	2.63	U	2.68	U
Chloromethane	~	1.1	U	1.12	U	1.98		1.68		1.56		2.54		1.13	U	1.12	U	1.14	U	1.52		2.56		1.13	U	1.23	U	1.11		1.13	U
cis-1,2-Dichloroethene	~	2.11	U	3.24		2.23	U	2.15	U	2.15	U	2.14	U	118		126		2.18	U	2.11	U	2.25	U	2.17	U	2.37	U	2.14	U	2.17	U
Cyclohexane	~	1.83	U	22.1		19.7		83.3		1.87	U	1.86	U	6.82		6.92		9.64		2.8		94.7		13.1		2.06	U	1.86	U	1.89	U
Dichlorodifluoromethane	~	2.65		2.67	U	3.14		12.2		2.69	U	2.78		2.69	U	2.67	U	2.72	U	2.63	U	2.81	U	2.71	U	2.96	U	2.67	U	2.87	
Ethanol	~	35		13.4		14.5		36		18.2		17.7		12.8	U	12.7	U	13	U	12.5	U	13.4	U	12.9	U	16.4		12.7	U	12.9	U
Ethyl Acetate	~	4.79	U	4.86	U	5.05	U	4.9	U	4.9	U	6.05		7.21		7.89		4.97	U	4.79	U	6.56		4.94	U	9.23		4.86	U	4.94	U
Ethylbenzene	~	2.31	U	2.35	U	5.39		2.36	U	2.8		2.35	U	2.37	U	2.35	U	2.39	U	2.31	U	2.47	U	9.64		2.6	U	2.34	U	2.38	U
Heptane	~	2.18	U	12.2		8.28		39.1		5.49		2.21	U	161		161		3.63		4.18		701		105		9.55		2.21	U	2.25	U
Isopropanol	~	3.27	U	3.32	U	3.44	U	3.71		5.28		7.64		3.34	U	3.32	U	3.39	U	3.27	U	3.49	U	3.37	U	3.74		5.9		3.37	U
Methyl tert butyl ether	~	1.92	U	19.8		2.03	U	1.96	U	1.96	U	1.95	U	1.96	U	1.95	U	1.98	U	1.92	U	2.05	U	1.98	U	2.16	U	1.94	U	1.98	U
Methylene chloride	60	9.24	U	9.38	U	29.9		9.45	U	9.45	U	9.38	U	9.45	U	9.38	U	9.55	U	9.24	U	9.87	U	9.52	U	10.4	U	9.35	U	9.52	U
n-Hexane	~	1.87	U	16.9		9.09		92.3		6.24		12.3		238		210		7.44		5.57		853		132		11.5		1.9	U	1.93	U
o-Xylene	~	2.98		2.35	U	6.6		2.36	U	5		9.12		2.37	U	2.35	U	2.39	U	2.31	U	2.47	U	53.9		2.6	U	2.34	U	2.38	U
p/m-Xylene	~	7.21		4.69	U	10.8		4.73	U	9.82		16.1		4.73	U	4.69	U	4.78	U	5.82		4.95	U	67.8		5.21	U	4.69	U	4.78	U
Propylene	~	4.16		20.8		12.4		308		6.66		6.42		106		120		34.9		22.7		558		57.3		18.9		2.32	U	2.36	U
Styrene	~	2.27	U	2.3	U	2.39	U	2.31	U	2.31	U	2.3	U	2.32	U	2.3	U	2.34	U	2.27	U	2.42	U	4.98		2.55	U	2.29	U	2.33	U
Tetrachloroethene	30	25.2		3.66	U	**48.6**		**442**		6.85		3.66	U	3.7	U	3.66	U	3.73	U	3.61	U	4.89		7.05		4.06	U	3.66	U	3.72	U
Toluene	~	2.92		2.03	U	15.2		5.09		5.73		11.1		2.27		2.65		9.2		16.2		9.42		43.7		4.3		2.03	U	2.24	
trans-1,2-Dichloroethene	~	2.11	U	2.14	U	2.23	U	2.15	U	2.15	U	2.14	U	4.28		4.6		2.18	U	2.11	U	2.25	U	2.17	U	2.37	U	2.14	U	2.17	U
Trichloroethene	5	**7.09**		2.9	U	**11.9**		2.92	U	2.92	U	2.9	U	**8.38**		**8.49**		2.96	U	2.86	U	3.05	U	**338**		3.21	U	2.9	U	2.95	U
Trichlorofluoromethane	~	17.4		3.03	U	3.16	U	3.05	U	3.05	U	3.03	U	3.06	U	3.03	U	3.09	U	3.53		3.94		3.08	U	3.36	U	3.03	U	3.08	U
Vinyl chloride	~	1.36	U	9.07		1.44	U	1.39	U	1.39	U	1.38	U	268		314		1.41	U	1.36	U	1.45	U	1.4	U	1.53	U	1.38	U	1.4	U

Notes:
1. Soil vapor and ambient air samples analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs).
2. Only compounds with detections are shown in the table.
3. NYSDOH AGV exceedances are highligted and bolded.
4. VOCs = Volatile Organic Compounds
5. µg/m³ = micrograms per cubic meter
6. ~ = This indicates that no AGV exists for this compound

Qualifiers:
U = Analyte not detected at or above the reporting limit.

Table 8A
Grab Soil Sample Detections - VOCs
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	SB-16		SB-16		SB-16		SB-17		SB-17		SB-18		SB-18		SB-19		SB-19		SB-19		SB-20		SB-20		SB-20	
Client Sample ID			SB-16_0-2		SODUP01_0-2		SB-16_7-9		SB-17_0-2		SB-17_7-9		SB-18_0-2		SB-18_8-10		SB-19_0-2		SB-19_7-9		SODUP02_7-9		SB-20_0-2		SB-20_3-5		SB-20_8-10	
Lab Sample ID			L1404004-01		L1404004-07		L1404004-02		L1404004-03		L1404004-04		L1404087-01		L1404087-02		L1404172-01		L1404172-02		L1404172-07		L1404281-01		L1404281-05		L1404281-02	
Sampling Date			2/24/2014		2/24/2014		2/24/2014		2/24/2014		2/24/2014		2/25/2014		2/25/2014		2/26/2014		2/26/2014		2/26/2014		2/27/2014		2/27/2014		2/27/2014	
Sample Depth (feet)			0 to 2		0 to 2		7 to 9		0 to 2		7 to 9		0 to 2		8 to 10		0 to 2		7 to 9		7 to 9		0 to 2		3 to 5		8 to 10	
Volatile Organic Compounds (mg/kg)																												
1,2,4,5-Tetramethylbenzene	~	~	0.022	J	0.3	U	0.0044	U	0.0058	U	0.0041	U	0.0058	U	0.005	U	0.0047	U	0.0039	U	0.0043	U	0.0063	U	0.0064	U	0.0055	U
1,2,4-Trimethylbenzene	3.6	52	0.12	J	0.067	J	0.0055	U	0.0072	U	0.0051	U	0.0072	U	0.0062	U	0.0059	U	0.0049	U	0.0054	U	0.0079	U	0.0081	U	0.0068	U
1,3,5-Trimethylbenzene	8.4	52	0.023	J	0.015	J	0.0055	U	0.0072	U	0.0051	U	0.0072	U	0.0062	U	0.0059	U	0.0049	U	0.0054	U	0.0079	U	0.0081	U	0.0068	U
2-Butanone	0.12	100	*0.8*	U	*0.74*	U	0.011	U	0.0017	J	0.0025	J	0.0031	J	0.0046	J	0.012	U	0.0013	J	0.011	U	0.016	U	0.016	U	0.014	U
Acetone	0.05	100	*0.8*	U	*0.74*	U	0.012		0.022		0.023		0.022		0.031		0.0038	J	0.012		0.012		0.0056	J	0.0092	J	0.0053	J
Benzene	0.06	4.8	**0.12**		0.031	J	0.0011	U	0.0014	U	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.00097	U	0.0011	U	0.0016	U	0.0016	U	0.0014	U
Cyclohexane	~	~	0.16	J	0.096	J	0.022	U	0.029	U	0.02	U	0.029	U	0.025	U	0.024	U	0.019	U	0.021	U	0.032	U	0.032	U	0.027	U
Ethylbenzene	1	41	0.14		0.059	J	0.0011	U	0.0014	U	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.00097	U	0.0011	U	0.0016	U	0.0016	U	0.0014	U
Isopropylbenzene	~	~	0.081		0.048	J	0.0011	U	0.0014	U	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.00097	U	0.0011	U	0.0016	U	0.0016	U	0.0014	U
Methyl cyclohexane	~	~	0.55		0.34		0.0044	U	0.0058	U	0.0041	U	0.0058	U	0.005	U	0.0047	U	0.0039	U	0.0043	U	0.0063	U	0.0064	U	0.0055	U
Methyl tert butyl ether	0.93	100	0.16	U	0.15	U	0.0022	U	0.0029	U	0.002	U	0.0029	U	0.0012	J	0.0024	U	0.0019	U	0.0021	U	0.0032	U	0.0032	U	0.0027	U
Methylene chloride	0.05	100	*0.8*	U	*0.74*	U	0.0024	J	0.014	U	0.01	U	0.014	U	0.012	U	0.012	U	0.0097	U	0.011	U	0.016	U	0.016	U	0.014	U
Naphthalene	12	100	0.21	J	0.12	J	0.0055	U	0.0072	U	0.0051	U	0.0072	U	0.0062	U	0.0059	U	0.0049	U	0.0054	U	0.0017	J	0.0081	U	0.0068	U
n-Butylbenzene	12	100	0.028	J	0.074	U	0.0011	U	0.0014	U	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.00097	U	0.0011	U	0.0016	U	0.0016	U	0.0014	U
n-Propylbenzene	3.9	100	0.093		0.046	J	0.0011	U	0.0014	U	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.00097	U	0.0011	U	0.0016	U	0.0016	U	0.0014	U
o-Xylene	~	~	0.26		0.13	J	0.0022	U	0.0029	U	0.002	U	0.0029	U	0.0025	U	0.0024	U	0.0019	U	0.0021	U	0.0032	U	0.0032	U	0.0027	U
p/m-Xylene	~	~	0.3		0.14	J	0.0022	U	0.0029	U	0.002	U	0.0029	U	0.0025	U	0.0024	U	0.0019	U	0.0021	U	0.0032	U	0.0032	U	0.0027	U
Total Xylenes	0.26	100	**0.56**		**0.27**	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
p-Diethylbenzene	~	~	0.32	U	0.3	U	0.0044	U	0.0058	U	0.0041	U	0.0058	U	0.005	U	0.0047	U	0.0039	U	0.0043	U	0.0063	U	0.0064	U	0.0055	U
p-Ethyltoluene	~	~	0.11	J	0.055	J	0.0044	U	0.0058	U	0.0041	U	0.0058	U	0.005	U	0.0047	U	0.0039	U	0.0043	U	0.0063	U	0.0064	U	0.0055	U
p-Isopropyltoluene	~	~	0.016	J	0.074	U	0.0011	U	0.0014	U	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.00097	U	0.0011	U	0.0016	U	0.0016	U	0.0014	U
sec-Butylbenzene	11	100	0.026	J	0.015	J	0.0011	U	0.0014	U	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.00097	U	0.0011	U	0.0016	U	0.0016	U	0.0014	U
Toluene	0.7	100	0.46		0.15		0.0016	U	0.0022	U	0.0015	U	0.0022	U	0.0019	U	0.0018	U	0.0015	U	0.0016	U	0.0024	U	0.0024	U	0.002	U
Trichloroethene	0.47	21	0.08	U	0.074	U	0.0011	U	0.0014	U	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.00097	U	0.0011	U	0.0016	U	0.0016	U	0.0014	U

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 8A
Grab Soil Sample Detections - VOCs
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	SB-21	SB-21	SB-22	SB-22	SB-22	SB-23	SB-23	SB-24	SB-24	SB-25	SB-25	SB-26	SB-26
Client Sample ID			SB-21_0-2	SB-21_3.5-5.5	SB-22_0-2	SB-22_3.5-5.5	SB-22_6-8	SB-23_0-2	SB-23_6.5-8.5	SB-24_0-2	SB-24_5.5-7.5	SB-25_0-2	SB-25_8-10	SB-26_0-2	SB-26_8.5-10.5
Lab Sample ID			L1404087-03	L1404087-04	L1404087-05	L1404087-06	L1404087-07	L1404172-03	L1404172-04	L1404172-05	L1404172-06	L1404004-05	L1404004-06	L1404281-03	L1404281-04
Sampling Date			2/25/2014	2/25/2014	2/25/2014	2/25/2014	2/25/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/24/2014	2/24/2014	2/27/2014	2/27/2014
Sample Depth (feet)			0 to 2	3.5 to 5.5	0 to 2	3.5 to 5.5	6 to 8	0 to 2	6.5 to 8.5	0 to 2	5.5 to 7.5	0 to 2	8 to 10	0 to 2	8.5 to 10.5
Volatile Organic Compounds (mg/kg)															
1,2,4,5-Tetramethylbenzene	~	~	0.004 U	0.0052 U	0.29 U	0.27 U	0.0043 U	0.0055 U	0.00054 J	0.022 J	0.0069 U	0.018 J	0.0066 U	0.0056 U	0.0046 U
1,2,4-Trimethylbenzene	3.6	52	0.005 U	0.0065 U	0.36 U	0.34 U	0.0053 U	0.0069 U	0.0063 J	0.061 J	0.0087 U	0.076 J	0.0082 U	0.007 U	0.0058 U
1,3,5-Trimethylbenzene	8.4	52	0.005 U	0.0065 U	0.36 U	0.34 U	0.0053 U	0.0069 U	0.0028 J	0.4 U	0.0087 U	0.064 J	0.0082 U	0.007 U	0.0058 U
2-Butanone	0.12	100	0.01 U	0.0029 J	*0.73* U	*0.68* U	0.011 U	0.014 U	0.0027 J	*0.81* U	0.017 U	*0.66* U	0.011 J	0.014 U	0.012 U
Acetone	0.05	100	0.01 U	0.02	*0.73* U	*0.68* U	0.0037 J	0.014 U	0.02	*0.81* U	0.013 J	*0.66* U	0.018	0.014 U	0.0077 J
Benzene	0.06	4.8	0.001 U	0.0013 U	*0.073* U	*0.068* U	0.0011 U	0.0014 U	0.0017	*0.081* U	0.0017 U	**0.2**	0.003	0.0014 U	0.0004 J
Cyclohexane	~	~	0.02 U	0.026 U	1.4 U	1.4 U	0.021 U	0.028 U	0.03 U	1.6 U	0.035 U	0.087 J	0.033 U	0.028 U	0.023 U
Ethylbenzene	1	41	0.001 U	0.0013 U	0.02 J	0.068 U	0.0011 U	0.0014 U	0.0023	0.081 U	0.0017 U	0.042 J	0.0016 U	0.0014 U	0.0012 U
Isopropylbenzene	~	~	0.001 U	0.0013 U	0.073 U	0.068 U	0.0011 U	0.0014 U	0.0015 U	0.081 U	0.0017 U	0.066 U	0.0016 U	0.0014 U	0.0012 U
Methyl cyclohexane	~	~	0.004 U	0.0052 U	0.29 U	0.27 U	0.0043 U	0.0055 U	0.006 U	0.32 U	0.0069 U	0.19 J	0.0066 U	0.0056 U	0.0046 U
Methyl tert butyl ether	0.93	100	0.002 U	0.0026 U	0.14 U	0.14 U	0.0021 U	0.0028 U	0.003 U	0.16 U	0.0035 U	0.13 U	0.0033 U	0.0028 U	0.0023 U
Methylene chloride	0.05	100	0.01 U	0.013 U	*0.73* U	*0.68* U	0.011 U	0.014 U	0.015 U	*0.81* U	0.017 U	*0.66* U	0.0034 J	0.014 U	0.012 U
Naphthalene	12	100	0.005 U	0.0065 U	7.9	1.5	0.0027 J	0.0069 U	0.2	5.3	0.0087 U	0.11 J	0.0082 U	0.007 U	0.0058 U
n-Butylbenzene	12	100	0.001 U	0.0013 U	0.073 U	0.068 U	0.0011 U	0.0014 U	0.0015 U	0.081 U	0.0017 U	0.066 U	0.0016 U	0.0014 U	0.0012 U
n-Propylbenzene	3.9	100	0.001 U	0.0013 U	0.073 U	0.068 U	0.0011 U	0.0014 U	0.0015 U	0.081 U	0.0017 U	0.013 J	0.0016 U	0.0014 U	0.0012 U
o-Xylene	~	~	0.002 U	0.0026 U	0.14 U	0.14 U	0.0021 U	0.0028 U	0.0054	0.16 U	0.0035 U	0.059 J	0.0033 U	0.0028 U	0.0023 U
p/m-Xylene	~	~	0.002 U	0.0026 U	0.14 U	0.14 U	0.0021 U	0.0028 U	0.0075	0.16 U	0.0035 U	0.43	0.0033 U	0.0028 U	0.0023 U
Total Xylenes	0.26	100	ND	ND	ND	ND	ND	ND	0.0129	ND	ND	**0.489** J	ND	ND	ND
p-Diethylbenzene	~	~	0.004 U	0.0052 U	0.051 J	0.27 U	0.0043 U	0.0055 U	0.006 U	0.11 J	0.0069 U	0.26 U	0.0066 U	0.0056 U	0.0046 U
p-Ethyltoluene	~	~	0.004 U	0.0052 U	0.056 J	0.27 U	0.0043 U	0.0055 U	0.0033 J	0.06 J	0.0069 U	0.11 J	0.0066 U	0.0056 U	0.0046 U
p-Isopropyltoluene	~	~	0.001 U	0.0013 U	0.073 U	0.068 U	0.0011 U	0.0014 U	0.0015 U	0.081 U	0.0017 U	0.014 J	0.0016 U	0.0014 U	0.0012 U
sec-Butylbenzene	11	100	0.001 U	0.0013 U	0.073 U	0.068 U	0.0011 U	0.0014 U	0.0015 U	0.081 U	0.0017 U	0.066 U	0.0016 U	0.0014 U	0.0012 U
Toluene	0.7	100	0.0015 U	0.0019 U	0.11 U	0.1 U	0.0016 U	0.0021 U	0.0038	0.019 J	0.0026 U	0.32	0.0025 U	0.0021 U	0.00081 J
Trichloroethene	0.47	21	0.02	0.0011 J	0.17	**0.67**	0.00084 J	0.0014 U	0.0015 U	0.081 U	0.0017 U	0.066 U	0.0016 U	0.0014 U	0.0012 U

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 8B
Grab Soil Sample Detections - SVOCs
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	SB_16	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
Client Sample ID			SB-16_0-2	SODUP01_0-2	SB-16_7-9	SB-17_0-2	SB-17_7-9	SB-18_0-2	SB-18_8-10	SB-19_0-2	SB-19_7-9	SODUP02_7-9	SB-20_0-2	SB-20_3-5	SB-20_8-10
Lab Sample ID			L1404004-01	L1404004-07	L1404004-02	L1404004-03	L1404004-04	L1404087-01	L1404087-02	L1404172-01	L1404172-02	L1404172-07	L1404281-01	L1404281-05	L1404281-02
Sampling Date			2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/25/2014	2/25/2014	2/26/2014	2/26/2014	2/26/2014	2/27/2014	2/27/2014	2/27/2014
Sample Depth (feet)			0 to 2	0 to 2	7 to 9	0 to 2	7 to 9	0 to 2	8 to 10	0 to 2	7 to 9	7 to 9	0 to 2	3 to 5	8 to 10
Semivolatile Organic Compounds (mg/kg)															
1,2,4-Trichlorobenzene	~	~	0.36 U	0.72 U	0.2 U	0.37 J	0.19 U	0.37 U	0.2 U	0.38 U	0.19 U	0.19 U	0.37 U	0.19 U	0.19 U
2,4-Dimethylphenol	~	~	0.36 U	0.72 U	0.2 U	0.74 U	0.19 U	0.37 U	0.2 U	0.38 U	0.19 U	0.19 U	0.24 J	0.19 U	0.19 U
2-Methylnaphthalene	~	~	0.39 J	1.2	0.24 U	0.62 J	0.23 U	0.44 U	0.24 U	0.46 U	0.23 U	0.23 U	1.5	0.2 J	0.23 U
2-Methylphenol	0.33	100	*0.36* U	*0.72* U	0.2 U	*0.74* U	0.19 U	*0.37* U	0.2 U	*0.38* U	0.19 U	0.19 U	0.15 J	0.19 U	0.19 U
3-Methylphenol/4-Methylphenol	0.33	100	*0.52* U	*1* U	0.29 U	*1.1* U	0.27 U	*0.53* U	0.28 U	*0.55* U	0.28 U	0.28 U	**0.48** J	0.27 U	0.28 U
Acenaphthene	20	100	0.29	0.43 J	0.16 U	0.59 U	0.15 U	0.29 U	0.16 U	0.31 U	0.15 U	0.15 U	2.6	0.4	0.21
Acenaphthylene	100	100	0.29 U	0.16 J	0.16 U	0.59 U	0.15 U	0.29 U	0.16 U	0.087 J	0.15 U	0.15 U	3.8	0.21	0.094 J
Acetophenone	~	~	0.36 U	0.72 U	0.2 U	0.74 U	0.19 U	0.37 U	0.2 U	0.38 U	0.19 U	0.19 U	0.18 J	0.19 U	0.19 U
Anthracene	100	100	0.091 J	0.75	0.12 U	0.15 J	0.11 U	0.22 U	0.047 J	0.15 J	0.12 U	0.12 U	6.9	0.99	0.3
Benzaldehyde	~	~	0.48 U	0.95 U	0.26 U	0.98 U	0.25 U	0.49 U	0.26 U	0.51 U	0.25 U	0.26 U	1.4	0.25 U	0.25 U
Benzo(a)anthracene	1	1	0.26	**1.7**	0.12 U	0.34 J	0.04 J	0.13 J	0.13	**1.3**	0.067 J	0.051 J	**13**	**2**	0.99
Benzo(a)pyrene	1	1	0.26 J	**1.5**	0.16 U	0.36 J	0.15 U	0.17 J	0.12 J	**1.6**	0.063 J	0.15 U	**13**	**1.8**	0.98
Benzo(b)fluoranthene	1	1	0.35	**1.9**	0.12 U	0.54	0.04 J	0.21 J	0.13	**1.8**	0.078 J	0.058 J	**16**	**2.4**	**1.2**
Benzo(ghi)perylene	100	100	0.21 J	0.95	0.16 U	0.31 J	0.15 U	0.19 J	0.071 J	1.2	0.044 J	0.15 U	8.4	0.98	0.58
Benzo(k)fluoranthene	0.8	3.9	0.14 J	0.74	0.12 U	0.44 U	0.11 U	0.076 J	0.054 J	0.8	0.12 U	0.12 U	**5.9**	**0.82**	0.48
Benzoic Acid	~	~	1.2 U	2.3 U	0.64 U	2.4 U	0.61 U	1.2 U	0.64 U	1.2 U	0.62 U	0.63 U	1 J	0.6 U	0.62 U
Biphenyl	~	~	0.82 U	1.6 U	0.45 U	1.7 U	0.43 U	0.84 U	0.45 U	0.88 U	0.44 U	0.44 U	0.41 J	0.42 U	0.44 U
Bis(2-Ethylhexyl)phthalate	~	~	0.36 U	0.72 U	0.2 U	0.74 U	0.19 U	0.37 U	0.2 U	0.38 U	0.19 U	0.19 U	0.37 U	0.19 U	0.19 U
Butyl benzyl phthalate	~	~	0.36 U	0.72 U	0.2 U	0.74 U	0.19 U	0.37 U	0.2 U	0.38 U	0.19 U	0.19 U	0.37 U	0.19 U	0.19 U
Carbazole	~	~	0.36 U	0.72 U	0.2 U	0.74 U	0.19 U	0.37 U	0.2 U	0.38 U	0.19 U	0.19 U	3.3	0.41	0.14 J
Chrysene	1	3.9	0.33	**2**	0.12 U	0.61	0.04 J	0.17 J	0.15	**1.3**	0.074 J	0.058 J	**14**	**2.4**	**1.1**
Dibenzo(a,h)anthracene	0.33	0.33	0.22 U	0.25 J	0.12 U	*0.44* U	0.11 U	0.22 U	0.12 U	0.27	0.12 U	0.12 U	**1.8**	0.28	0.16
Dibenzofuran	7	59	0.14 J	0.55 J	0.2 U	0.74 U	0.19 U	0.37 U	0.2 U	0.38 U	0.19 U	0.19 U	2.5	0.4	0.099 J
Fluoranthene	100	100	0.53	3.4	0.12 U	0.69	0.08 J	0.17 J	0.29	2.1	0.12	0.084 J	39	4.8	2.3
Fluorene	30	100	0.13 J	0.53 J	0.2 U	0.74 U	0.19 U	0.37 U	0.2 U	0.38 U	0.19 U	0.19 U	3.1	0.47	0.14 J
Indeno(1,2,3-cd)Pyrene	0.5	0.5	0.19 J	**0.96**	0.16 U	*0.59* U	0.15 U	0.15 J	0.072 J	**1.2**	0.046 J	0.15 U	**9.1**	**1.1**	**0.6**
Naphthalene	12	100	0.97	0.95	0.2 U	0.43 J	0.19 U	0.37 U	0.2 U	0.38 U	0.19 U	0.19 U	3.4	0.3	0.085 J
Phenanthrene	100	100	0.37	2.4	0.12 U	0.64	0.058 J	0.086 J	0.22	0.79	0.063 J	0.041 J	34	4.6	1.9
Phenol	0.33	100	*0.36* U	*0.72* U	0.2 U	*0.74* U	0.19 U	*0.37* U	0.2 U	*0.38* U	0.19 U	0.19 U	*0.37* U	0.19 U	0.19 U
Pyrene	100	100	0.5	3.3	0.12 U	0.75	0.067 J	0.16 J	0.24	1.9	0.11 J	0.079 J	34	4	2
Total SVOCs	~	~	5.151 J	24.39 J	ND	5.81 J	0.325 J	1.512 J	1.524 J	14.497 J	0.665 J	0.371 J	219.16 J	28.56 J	13.358 J

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded black.
4. NYSDEC Part 375 Restricted-Residential SCO exceedances are shaded and bolded red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 8B
Grab Soil Sample Detections - SVOCs
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	SB-21	SB-21	SB-22	SB-22	SB-22	SB-23	SB-23	SB-24	SB-24	SB-25	SB-25	SB-26	SB-26
Client Sample ID			SB-21_0-2	SB-21_3.5-5.5	SB-22_0-2	SB-22_3.5-5.5	SB-22_6-8	SB-23_0-2	SB-23_6.5-8.5	SB-24_0-2	SB-24_5.5-7.5	SB-25_0-2	SB-25_8-10	SB-26_0-2	SB-26_8.5-10.5
Lab Sample ID			L1404087-03	L1404087-04	L1404087-05	L1404087-06	L1404087-07	L1404172-03	L1404172-04	L1404172-05	L1404172-06	L1404004-05	L1404004-06	L1404281-03	L1404281-04
Sampling Date			2/25/2014	2/25/2014	2/25/2014	2/25/2014	2/25/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/24/2014	2/24/2014	2/27/2014	2/27/2014
Sample Depth (feet)			0 to 2	3.5 to 5.5	0 to 2	3.5 to 5.5	6 to 8	0 to 2	6.5 to 8.5	0 to 2	5.5 to 7.5	0 to 2	8 to 10	0 to 2	8.5 to 10.5
Semivolatile Organic Compounds (mg/kg)															
1,2,4-Trichlorobenzene	~	~	0.36 U	0.18 U	0.35 U	0.91 U	0.2 U	0.95 U	0.2 U	0.95 U	0.19 U	6.2 U	0.19 U	0.36 U	0.18 U
2,4-Dimethylphenol	~	~	0.36 U	0.18 U	0.35 U	0.91 U	0.2 U	0.95 U	0.2 U	0.95 U	0.19 U	6.2 U	0.08 J	0.36 U	0.18 U
2-Methylnaphthalene	~	~	0.43 U	0.22 U	3.4	0.85 J	0.063 J	1.1 U	0.24	2.5	0.23 U	7.4 U	0.7	0.71	0.21 U
2-Methylphenol	0.33	100	*0.36* U	0.18 U	*0.35* U	*0.91* U	0.2 U	*0.95* U	0.2 U	*0.95* U	0.19 U	*6.2* U	0.19 U	*0.36* U	0.18 U
3-Methylphenol/4-Methylphenol	0.33	100	*0.51* U	0.27 U	*0.51* U	*1.3* U	0.28 U	*1.4* U	0.28 U	*1.4* U	0.28 U	*8.9* U	0.17 J	*0.52* U	0.25 U
Acenaphthene	20	100	0.28 U	0.15 U	9	2.2	0.25	0.76 U	0.72	4.4	0.068 J	4.9 U	1.6	1.2	0.14 U
Acenaphthylene	100	100	0.14 J	0.15 U	0.28 U	1.7	0.054 J	0.2 J	0.068 J	0.3 J	0.15 U	4.9 U	0.19	0.61	0.14 U
Acetophenone	~	~	0.36 U	0.18 U	0.35 U	0.91 U	0.2 U	0.95 U	0.2 U	0.95 U	0.19 U	6.2 U	0.19 U	0.36 U	0.18 U
Anthracene	100	100	0.22	0.038 J	16	6.3	0.51	0.3 J	1.6	10	0.13	3.7 U	1.6	2.6	0.1 U
Benzaldehyde	~	~	0.47 U	0.24 U	0.47 U	1.2 U	0.26 U	1.2 U	0.26 U	1.2 U	0.25 U	8.1 U	0.25 U	0.48 U	0.23 U
Benzo(a)anthracene	1	1	0.75	0.12	**18**	**11**	0.91	0.98	**3**	**16**	0.26	*3.7* U	**2.8**	**6.5**	0.1 U
Benzo(a)pyrene	1	1	0.88	0.14 J	**15**	**11**	0.75	**1.1**	**2.8**	**11**	0.22	*4.9* U	**2.7**	**6.3**	0.14 U
Benzo(b)fluoranthene	1	1	0.97	0.16	**19**	**13**	0.87	**1.3**	**3**	**14**	0.25	*3.7* U	**3.1**	**9**	0.1 U
Benzo(ghi)perylene	100	100	0.74	0.12 J	11	7.3	0.42	0.76	1.6	6.4	0.12 J	4.9 U	1.5	4.5	0.14 U
Benzo(k)fluoranthene	0.8	3.9	0.47	0.05 J	**6.1**	**5**	0.38	0.58	**1.3**	**5.6**	0.11 J	*3.7* U	**1.1**	**3.2**	0.1 U
Benzoic Acid	~	~	1.2 U	0.6 U	1.1 U	2.9 U	0.64 U	3.1 U	0.64 U	3.1 U	0.62 U	20 U	0.62 U	1.2 U	0.57 U
Biphenyl	~	~	0.81 U	0.42 U	0.98	0.34 J	0.45 U	2.2 U	0.1 J	0.64 J	0.44 U	14 U	0.2 J	0.16 J	0.4 U
Bis(2-Ethylhexyl)phthalate	~	~	0.36 U	0.18 U	0.35 U	0.91 U	0.2 U	0.26 J	0.2 U	0.95 U	0.18 J	6.2 U	0.19 U	0.36 U	0.18 U
Butyl benzyl phthalate	~	~	0.36 U	0.036 J	0.35 U	0.91 U	0.2 U	0.95 U	0.2 U	0.95 U	0.19 U	6.2 U	0.19 U	0.36 U	0.18 U
Carbazole	~	~	0.14 J	0.18 U	9.1	2.2	0.19 J	0.95 U	0.51	2.9	0.058 J	6.2 U	0.75	2	0.18 U
Chrysene	1	3.9	0.84	0.13	**18**	**12**	0.94	**1.1**	**3.1**	**16**	0.27	*3.7* U	**2.9**	**7.7**	0.1 U
Dibenzo(a,h)anthracene	0.33	0.33	0.14 J	0.11 U	**3**	**1.2**	0.097 J	0.2 J	**0.46**	**2**	0.12 U	*3.7* U	**0.34**	**1.2**	0.1 U
Dibenzofuran	7	59	0.36 U	0.18 U	**8**	1.9	0.14 J	0.95 U	0.41	3.2	0.19 U	6.2 U	1.1	1.2	0.18 U
Fluoranthene	100	100	1.3	0.22	47	33	2.2	1.8	7.6	36	0.62	3.7 U	8.9	21	0.1 U
Fluorene	30	100	0.36 U	0.18 U	12	2.4	0.24	0.95 U	0.74	5.7	0.075 J	6.2 U	1.4	1.4	0.18 U
Indeno(1,2,3-cd)Pyrene	0.5	0.5	**0.72**	0.11 J	**12**	**7.4**	0.47	**0.79**	**1.7**	**6.8**	0.13 J	*4.9* U	**1.6**	**5**	0.14 U
Naphthalene	12	100	0.36 U	0.18 U	6.8	1.7	0.083 J	0.95 U	0.44	3.7	0.19 U	6.2 U	1.7	0.92	0.18 U
Phenanthrene	100	100	0.69	0.15	56	30	2.3	1.2	6.6	44	0.57	3.7 U	9.8	19	0.1 U
Phenol	0.33	100	*0.36* U	0.18 U	*0.35* U	*0.91* U	0.2 U	*0.95* U	0.2 U	*0.95* U	0.19 U	*6.2* U	0.093 J	*0.36* U	0.18 U
Pyrene	100	100	1.2	0.19	36	28	1.8	1.7	6.4	32	0.52	3.7 U	7	17	0.1 U
Total SVOCs	~	~	9.2 J	1.464 J	306.38	178.49 J	12.667 J	12.27 J	42.388 J	223.14 J	3.581 J	ND	51.323 J	111.2	ND

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded black.
4. NYSDEC Part 375 Restricted-Residential SCO exceedances are shaded and bolded red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.

Table 8C
Grab Soil Sample Detections - PCBs, Pest, Herb, Metals, General Chemistry
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	SB_16		SB-16		SB-16		SB-17		SB-17		SB-18		SB-18		SB-19		SB-19		SB-19		SB-20		SB-20		SB-20	
Client Sample ID			SB-16_0-2		SODUP01_0-2		SB-16_7-9		SB-17_0-2		SB-17_7-9		SB-18_0-2		SB-18_8-10		SB-19_0-2		SB-19_7-9		SODUP02_7-9		SB-20_0-2		SB-20_3-5		SB-20_8-10	
Lab Sample ID			L1404004-01		L1404004-07		L1404004-02		L1404004-03		L1404004-04		L1404087-01		L1404087-02		L1404172-01		L1404172-02		L1404172-07		L1404281-01		L1404281-05		L1404281-02	
Sampling Date			2/24/2014		2/24/2014		2/24/2014		2/24/2014		2/24/2014		2/25/2014		2/25/2014		2/26/2014		2/26/2014		2/26/2014		2/27/2014		2/27/2014		2/27/2014	
Sample Depth (feet)			0 to 2		0 to 2		7 to 9		0 to 2		7 to 9		0 to 2		8 to 10		0 to 2		7 to 9		7 to 9		0 to 2		3 to 5		8 to 10	
Polychlorinated Biphenyls (mg/kg)																												
Aroclor 1248	~	~	0.18	U	0.173	U	0.0381	U	0.73	U	0.0372	U	0.0368	U	0.0382	U	0.0381	U	0.0384	U	0.0382	U	0.0377	U	0.0364	U	0.0372	U
Aroclor 1254	~	~	0.18	U	0.173	U	0.0381	U	0.73	U	0.0372	U	0.0368	U	0.0382	U	0.0381	U	0.0384	U	0.0382	U	0.0377	U	0.0364	U	0.0372	U
Aroclor 1260	~	~	0.93		0.886		0.0381	U	6.29		0.0372	U	0.0792		0.0382	U	0.0381	U	0.0384	U	0.0382	U	0.0377	U	0.0364	U	0.0372	U
Total PCBs	0.1	1	**0.93**		**0.886**		ND		**6.29**		ND		0.0792		ND		ND		ND		ND		ND		ND		ND	
Pesticides (mg/kg)																												
4,4'-DDD	0.0033	13	**0.126**		*0.0165*	U	0.00193	U	*0.0175*	U	0.00176	U	0.00176	U	0.00186	U	0.00179	U	0.0019	U	0.00184	U	0.00172	U	0.00174	U	0.00183	U
4,4'-DDE	0.0033	8.9	**0.623**		*0.0165*	U	0.00193	U	*0.0175*	U	0.00176	U	**0.0658**		0.00186	U	0.00179	U	0.0019	U	0.00184	U	0.00172	U	0.00174	U	0.00183	U
4,4'-DDT	0.0033	7.9	**0.624**		**1.26**		*0.00361*	U	**0.395**		0.0033	U	0.00329	U	*0.00348*	U	*0.00336*	U	*0.00356*	U	*0.00345*	U	0.00323	U	0.00326	U	*0.00343*	U
Dieldrin	0.005	0.2	*0.0109*	U	*0.0103*	U	0.0012	U	*0.0109*	U	0.0011	U	0.0011	U	0.00296	P	0.00112	U	0.00119	U	0.00115	U	0.00108	U	0.00108	U	0.00114	U
Herbicides (mg/kg)																												
2,4-D	~	~	0.183	U	5.48		0.201	U	0.183	U	0.192	U	0.182	U	0.197	U	0.183	U	0.195	U	0.194	U	0.189	U	0.185	U	0.19	U
Metals (mg/kg)																												
Aluminum, Total	~	~	4600		3300		9500		8100		7900		10000		7200		8800		2300		3700		4400		13000		8000	
Antimony, Total	~	~	1.9	J	4.9		4.6	U	140		4.4	U	4.4	U	4.7	U	7.3		1.5	J	4.6	U	2.7	J	1.1	J	4.5	U
Arsenic, Total	13	16	11		12		5.4		**74**		7		6.6		**37**		**25**		10		11		11		**15**		5.6	
Barium, Total	350	400	130		320		45		140		32		96		54		100		30		32		45		85		24	
Beryllium, Total	7.2	72	0.33	J	0.24	J	0.57		0.41	J	0.44		0.43	J	0.31	J	1.2		0.28	J	0.36	J	0.13	J	0.96		0.41	J
Cadmium, Total	2.5	4.3	0.16	J	1.1		0.93	U	**5.6**		0.89	U	0.28	J	0.94	U	0.89	U	0.91	U	0.92	U	0.86	U	0.11	J	0.9	U
Calcium, Total	~	~	46000		36000		580		62000		680		62000		1200		2300		4500		2800		1200		22000		5800	
Chromium, Total	~	~	14		13		12		29		12		14		16		23		7.8		11		23		10		10	
Chromium, Hexavalent	1	110	0.88	U	0.87	U	0.44	J	0.2	J	0.92	U	0.2	J	0.96	U	0.94	U	0.95	U	0.94	U	0.91	U	0.9	U	0.94	U
Chromium, Trivalent	30	180	14		13		12		29		12		14		16		23		7.8		11		23		10		10	
Cobalt, Total	~	~	4.3		4		7.5		8.7		4.1		4.8		7.7		6.2		4.7		8.8		3.1		10		18	
Copper, Total	50	270	**69**		**160**		15		**230**		24		10		49		**80**		34		21		50		**170**		**54**	
Iron, Total	~	~	14000		14000		16000		22000		15000		13000		26000		32000		15000		22000		33000		25000		19000	
Lead, Total	63	400	**260**		**1000**		15		**4600**		29		**82**		**100**		**1800**		**87**		**82**		**90**		**780**		**73**	
Magnesium, Total	~	~	7800		10000		2700		26000		2000		5600		2200		2200		860		1100		1200		2000		2300	
Manganese, Total	1600	2000	220		140		130		160		140		240		330		120		150		300		64		440		390	
Mercury, Total	0.18	0.81	**0.24**		**0.32**		0.08	U	**0.47**		0.04	J	**0.29**		**0.24**		**0.4**		**0.28**		**0.42**		**0.36**		**0.77**		0.08	U
Nickel, Total	30	310	12		14		15		29		10		13		18		18		8.8		10		8.3		15		16	
Potassium, Total	~	~	660		600		570		590		700		2500		1200		920		330		440		600		970		740	
Selenium, Total	3.9	180	1.7	U	0.36	J	1.9	U	2		1.8	U	1.7	U	0.51	J	2		0.71	J	1.9		0.64	J	0.71	J	1.8	U
Silver, Total	2	180	0.84	U	0.85	U	0.93	U	0.52	J	0.89	U	0.87	U	0.94	U	0.46	J	0.37	J	0.47	J	0.86	U	0.87	U	0.9	U
Sodium, Total	~	~	200		160	J	47	J	180		31	J	540		92	J	1000		150	J	110	J	130	J	1300		110	J
Thallium, Total	~	~	1.7	U	1.7	U	1.9	U	2		1.8	U	1.7	U	1.9	U	1.8	U	1.8	U	1.8	U	1.7	U	1.7	U	1.8	U
Vanadium, Total	~	~	22		25		15		26		16		18		29		22		12		18		24		14		15	
Zinc, Total	109	10000	**240**		**470**		62		**500**		53		**170**		**150**		91		58		55		41		**140**		**110**	
General Chemistry																												
Cyanide, Total (mg/kg)	27	27	1	U	1	U	1.2	U	0.75	J	1.1	U	0.52	J	1.2	U	1.1	U	0.28	J	1.1	U	1.1	U	0.26	J	1.2	U
Solids, Total (%)	~	~	90.5		92		82.5		88.8		86.4		88.8		83.3		84.9		84.1		84.6		87.6		88.5		85.1	

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded black.
4. NYSDEC Part 375 Restricted-Residential SCO exceedances are shaded and bolded red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.
P = The relative percent difference (RPD) between the results for the two columns exceeds the method-specified criteria.

Table 8C
Grab Soil Sample Detections - PCBs, Pest, Herb, Metals, General Chemistry
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	SB-21	SB-21	SB-22	SB-22	SB-22	SB-23	SB-23	SB-24	SB-24	SB-25	SB-25	SB-26	SB-26
Client Sample ID			SB-21_0-2	SB-21_3.5-5.5	SB-22_0-2	SB-22_3.5-5.5	SB-22_6-8	SB-23_0-2	SB-23_6.5-8.5	SB-24_0-2	SB-24_5.5-7.5	SB-25_0-2	SB-25_8-10	SB-26_0-2	SB-26_8.5-10.5
Lab Sample ID			L1404087-03	L1404087-04	L1404087-05	L1404087-06	L1404087-07	L1404172-03	L1404172-04	L1404172-05	L1404172-06	L1404004-05	L1404004-06	L1404281-03	L1404281-04
Sampling Date			2/25/2014	2/25/2014	2/25/2014	2/25/2014	2/25/2014	2/26/2014	2/26/2014	2/26/2014	2/26/2014	2/24/2014	2/24/2014	2/27/2014	2/27/2014
Sample Depth (feet)			0 to 2	3.5 to 5.5	0 to 2	3.5 to 5.5	6 to 8	0 to 2	6.5 to 8.5	0 to 2	5.5 to 7.5	0 to 2	8 to 10	0 to 2	8.5 to 10.5
Polychlorinated Biphenyls (mg/kg)															
Aroclor 1248	~	~	0.0348 U	0.0363 U	0.0345 U	0.0368 U	0.0394 U	0.0379 U	0.0383 U	0.0369 U	0.037 U	0.256	0.109	0.0349 U	0.0351 U
Aroclor 1254	~	~	0.0348 U	0.0363 U	0.0345 U	0.0368 U	0.0394 U	0.0379 U	0.0383 U	0.0369 U	0.037 U	0.258	0.102	0.0349 U	0.0351 U
Aroclor 1260	~	~	0.0453 P	0.0363 U	0.0116 J	0.0368 U	0.0394 U	0.00978 J	0.0383 U	0.0369 U	0.037 U	0.0652	0.0345 J	0.0349 U	0.0351 U
Total PCBs	0.1	1	0.0453 P	ND	0.0116 J	ND	ND	0.00978 J	ND	ND	ND	**0.5792**	**0.2455** J	ND	ND
Pesticides (mg/kg)															
4,4'-DDD	0.0033	13	0.00155 J	0.00176 U	0.00166 U	0.00176 U	0.00188 U	**0.00775**	*0.0191* U	*0.0174* U	0.00182 U	*0.0169* U	*0.018* U	0.0017 U	0.00169 U
4,4'-DDE	0.0033	8.9	**0.0073**	0.00176 U	0.00198 P	0.00176 U	0.00188 U	0.00176 U	*0.0191* U	*0.0174* U	0.00182 U	*0.0169* U	*0.018* U	0.0017 U	0.00169 U
4,4'-DDT	0.0033	7.9	**0.0101**	0.00329 U	**0.00705** P	0.00329 U	*0.00352* U	0.0033 U	*0.0358* U	*0.0326* U	*0.00342* U	**0.0202** J	*0.0338* U	0.00318 U	0.00317 U
Dieldrin	0.005	0.2	0.00103 U	0.0011 U	0.00104 U	0.0011 U	0.00117 U	0.0011 U	*0.0119* U	*0.0109* U	0.00114 U	*0.0106* U	*0.0112* U	0.00106 U	0.00106 U
Herbicides (mg/kg)															
2,4-D	~	~	0.176 U	0.188 U	0.178 U	0.182 U	0.196 U	0.191 U	0.199 U	0.188 U	0.194 U	0.18 U	0.185 U	0.172 U	0.175 U
Metals (mg/kg)															
Aluminum, Total	~	~	4800	4700	14000	4500	6100	7700	2700	7300	3400	5000	900	4900	4000
Antimony, Total	~	~	4.1 U	4.4 U	5	12	0.91 J	1.3 J	0.89 J	4.3 U	0.93 J	1.5 J	0.84 J	2.2 J	4.2 U
Arsenic, Total	13	16	8.7	10	**17**	**33**	**28**	**14**	**16**	5.6	**14**	9.1	**29**	**24**	2.7
Barium, Total	350	400	180	55	**550**	**390**	58	140	90	**380**	42	120	32	130	140
Beryllium, Total	7.2	72	0.49	0.32 J	**15**	0.8	0.52	2.6	0.28 J	0.41 J	0.59	0.22 J	0.1 J	0.34 J	0.28 J
Cadmium, Total	2.5	4.3	0.16 J	0.23 J	0.86 U	**22**	0.94	0.88 U	0.96 U	0.22 J	0.9 U	0.22 J	0.89 U	0.84 U	0.84 U
Calcium, Total	~	~	75000	26000	30000	40000	2800	80000	2300	53000	2100	55000	2000	8700	16000
Chromium, Total	~	~	14	9.6	170	17	14	30	7.3	11	6.4	10	15	16	17
Chromium, Hexavalent	1	110	0.86 U	0.91 U	0.87 U	0.89 U	0.56 J	0.93 U	0.97 U	0.92 U	0.94 U	0.87 U	0.92 U	0.87 U	0.87 U
Chromium, Trivalent	30	180	14	9.6	**170**	17	14	30	7.3	11	6.4	10	15	16	17
Cobalt, Total	~	~	5.4	6.5	130	9.1	7.8	8.9	6.5	3.1	5.1	5.6	2.3	8.3	11
Copper, Total	50	270	**75**	**77**	**2500**	**200**	**78**	**140**	**57**	28	**65**	47	**53**	**91**	17
Iron, Total	~	~	11000	9700	98000	90000	24000	15000	18000	13000	24000	14000	16000	31000	23000
Lead, Total	63	400	**770**	**160**	**3300**	**910**	**460**	**210**	**290**	**830**	49	**300**	**100**	**370**	9.1
Magnesium, Total	~	~	32000	3600	5800	1900	2000	19000	740	5900	860	19000	940	2300	6500
Manganese, Total	1600	2000	160	91	870	310	160	200	200	230	130	230	34	450	**4000**
Mercury, Total	0.18	0.81	0.07 J	**1.4**	0.05 J	**2.2**	**0.25**	**0.31**	**1.4**	0.04 J	0.08	**0.56**	0.18	**0.5**	0.07 U
Nickel, Total	30	310	15	17	**320**	22	18	20	13	7.4	9.9	11	6.6	15	12
Potassium, Total	~	~	540	590	1600	620	1400	920	420	610	300	760	1100	1100	1400
Selenium, Total	3.9	180	1.6 U	0.62 J	1.7 U	1.3 J	0.76 J	0.71 J	1.8 J	1.7 U	0.8 J	1.7 U	0.39 J	**4.4**	1.7 U
Silver, Total	2	180	0.82 U	0.87 U	0.66 J	0.66 J	0.92 U	0.44 J	0.54 J	0.48 J	0.9 U	0.85 U	0.89 U	0.19 J	0.51 J
Sodium, Total	~	~	220	490	2100	880	220	320	290	420	93 J	320	2800	82 J	79 J
Thallium, Total	~	~	1.6 U	1.7 U	0.62 J	0.35 J	1.8	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U
Vanadium, Total	~	~	19	12	32	13	18	18	11	16	9.5	24	8.8	21	19
Zinc, Total	109	10000	**470**	**190**	**19000**	**14000**	**580**	**690**	**170**	**390**	30	**130**	57	**200**	44
General Chemistry															
Cyanide, Total (mg/kg)	27	27	2.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.68 J	1.1 U	1.6	1.3	0.32 J	0.47 J
Solids, Total (%)	~	~	93.3	87.8	91.5	89.4	83.8	86.2	82.8	87.2	84.9	92.1	87	91.7	92.2

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded black.
4. NYSDEC Part 375 Restricted-Residential SCO exceedances are shaded and bolded red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.
P = The relative percent difference (RPD) between the results for the two columns exceeds the method-specified criteria.

Table 9A
Groundwater Sample Detections - VOCs
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sampling Date	NYSDEC TOGS Standards and Guidance Values - GA	MW10 MW10_030714 L1404879-01 3/7/2014		MW-13A MW-13A_031114 L1405076-01 3/11/2014		MW-14 MW-14_031014 L1404960-01 3/10/2014		MW16 MW16_030714 L1404879-02 3/7/2014		MW-17 MW-17_030614 L1404776-01 3/6/2014		MW-17 GWDUP01_030614 L1404776-03 3/6/2014		MW-18 MW-18_031014 L1404960-02 3/10/2014		MW19 MW19_030714 L1404879-03 3/7/2014	
Volatile Organic Compounds (µg/l)																	
1,2,4-Trimethylbenzene	5	1.9	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene	5	0.73	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	5	U	3.2	J	5	U	8.5		4.5	J	5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.52		0.5	U
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	**19**		2.5	U
Ethyl ether	~	2.5	U	2.5	U	25		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	2.5	U	2.5	U	2.8		2.9		2.5	U	2.5	U	0.97	J	2.5	U
Naphthalene	10	**43**		2.5	U	2.5	U	1.1	J	0.8	J	0.79	J	0.75	J	2.5	U
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.42	J	0.5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U	**4.4**		1	U

Sample Location Client Sample ID Lab Sample ID Sampling Date	NYSDEC TOGS Standards and Guidance Values - GA	MW20 MW20_030714 L1404879-04 3/7/2014		MW-21 MW-21_031114 L1405076-02 3/11/2014		MW-22 MW-22_031114 L1405076-03 3/11/2014		MW-23 MW-23_031014 L1404960-03 3/10/2014		MW-24 MW-24_031114 L1405076-04 3/11/2014		MW-25 MW-25_030614 L1404776-02 3/6/2014		MW26 MW26_030714 L1404879-05 3/7/2014		MW-28 MW-28_031014 L1404960-04 3/10/2014	
Volatile Organic Compounds (µg/l)																	
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	2.2	J	5	U	5	U	5	U	5	U	5	U	6		5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	3.9		2.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethyl ether	~	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	0.92	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.93	J
Naphthalene	10	2.5	U	1.9	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Isopropyltoluene	5	2.5	U	**27**		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:
1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Drinking Water (class GA).
2. Only compounds with detections are shown in the table.
3. NYSDEC TOGS 1.1.1 SGVs exceedances are shaded and bolded black.
4. µg/l = micrograms per liter
5. ~ = This criteria does not exist.

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 9B
Groundwater Sample Detections - SVOCs
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sampling Date	NYSDEC TOGS Standards and Guidance Values - GA	MW10 MW10_030714 L1404879-01 3/7/2014		MW-13A MW-13A_031114 L1405076-01 3/11/2014		MW-14 MW-14_031014 L1404960-01 3/10/2014		MW16 MW16_030714 L1404879-02 3/7/2014		MW-17 MW-17_030614 L1404776-01 3/6/2014		MW-17 GWDUP01_030614 L1404776-03 3/6/2014		MW-18 MW-18_031014 L1404960-02 3/10/2014		MW19 MW19_030714 L1404879-03 3/7/2014	
Semi-volatile Organic Compounds (µg/l)																	
2-Methylnaphthalene	~	2.4		0.06	J	0.2	U	0.2	U	0.12	J	0.13	J	0.12	J	0.2	U
Acenaphthene	20	1.8		0.39		0.2	U	0.16	J	0.19	J	0.19	J	0.43		0.2	U
Acenaphthylene	~	1	U	0.11	J	0.2	U	0.2	U	0.23		0.22		0.2	U	0.2	U
Anthracene	50	1	U	0.2	U	0.2	U	0.08	J	0.13	J	0.15	J	0.19	J	0.2	U
Benzo(a)anthracene	~	1	U	0.06	J	0.06	J	0.07	J	0.07	J	0.12	J	0.1	J	0.06	J
Benzo(a)pyrene	0	*1*	U	**0.13**	J	*0.2*	U	**0.16**	J	**0.17**	J	**0.2**		**0.14**	J	**0.16**	J
Benzo(b)fluoranthene	0.002	*1*	U	*0.2*	U	*0.2*	U	**0.15**	J	**0.16**	J	**0.2**		**0.08**	J	**0.14**	J
Benzo(ghi)perylene	~	1	U	0.2	U	0.2	U	0.12	J	0.12	J	0.14	J	0.2	U	0.12	J
Benzo(k)fluoranthene	0.002	*1*	U	*0.2*	U	**0.07**	J	*0.2*	U	*0.2*	U	**0.07**	J	**0.08**	J	*0.2*	U
Bis(2-Ethylhexyl)phthalate	5	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Carbazole	~	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Chrysene	0.002	*1*	U	*0.2*	U	*0.2*	U	**0.07**	J	**0.06**	J	**0.1**	J	**0.08**	J	**0.05**	J
Dibenzo(a,h)anthracene	~	1	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Fluoranthene	50	0.64	J	0.2		0.05	J	0.18	J	0.28		0.4		0.26		0.14	J
Fluorene	50	0.68	J	0.2	U	0.2	U	0.1	J	0.22		0.26		0.33		0.2	U
Indeno(1,2,3-cd)Pyrene	0.002	*1*	U	*0.2*	U	*0.2*	U	**0.17**	J	**0.18**	J	**0.2**		**0.11**	J	**0.17**	J
Naphthalene	10	**17**		0.34		0.2	U	0.11	J	0.59		0.61		0.45		0.2	U
Pentachlorophenol	1	*4*	U	0.8	U	0.8	U	0.8	U	0.63	J	0.41	J	0.8	U	0.8	U
Phenanthrene	50	0.42	J	0.08	J	0.2	U	0.15	J	0.46		0.54		0.47		0.12	J
Pyrene	50	0.56	J	0.3		0.21		0.15	J	0.22		0.33		0.23		0.13	J

Sample Location Client Sample ID Lab Sample ID Sampling Date	NYSDEC TOGS Standards and Guidance Values - GA	MW20 MW20_030714 L1404879-04 3/7/2014		MW-21 MW-21_031114 L1405076-02 3/11/2014		MW-22 MW-22_031114 L1405076-03 3/11/2014		MW-23 MW-23_031014 L1404960-03 3/10/2014		MW-24 MW-24_031114 L1405076-04 3/11/2014		MW-25 MW-25_030614 L1404776-02 3/6/2014		MW26 MW26_030714 L1404879-05 3/7/2014		MW-28 MW-28_031014 L1404960-04 3/10/2014	
Semi-volatile Organic Compounds (µg/l)																	
2-Methylnaphthalene	~	0.2	U	1		0.14	J	0.2	U	0.16	J	0.2	U	0.2	U	0.4	
Acenaphthene	20	0.2	U	5.8		0.32		0.2	U	0.23		0.2	U	0.09	J	5.7	
Acenaphthylene	~	0.2	U	0.2	U	0.06	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Anthracene	50	0.09	J	1		0.12	J	0.2	U	0.1	J	0.2	U	0.2	U	0.28	
Benzo(a)anthracene	~	0.2	U	0.38		0.15	J	0.06	J	0.09	J	0.07	J	0.2	U	0.09	J
Benzo(a)pyrene	0	*0.2*	U	**0.32**		**0.2**		**0.13**	J	**0.16**	J	**0.17**	J	*0.2*	U	**0.15**	J
Benzo(b)fluoranthene	0.002	*0.2*	U	**0.3**		**0.13**	J	*0.2*	U	**0.1**	J	**0.16**	J	*0.2*	U	**0.09**	J
Benzo(ghi)perylene	~	0.2	U	0.16	J	0.11	J	0.2	U	0.07	J	0.14	J	0.2	U	0.2	U
Benzo(k)fluoranthene	0.002	*0.2*	U	**0.18**	J	**0.11**	J	**0.07**	J	**0.1**	J	*0.2*	U	*0.2*	U	**0.08**	J
Bis(2-Ethylhexyl)phthalate	5	3	U	**5.2**		**5.6**		3	U	3	U	3	U	3	U	3	U
Carbazole	~	2	U	0.74	J	2	U	2	U	2	U	2	U	2	U	2	U
Chrysene	0.002	*0.2*	U	**0.33**		**0.12**	J	*0.2*	U	**0.08**	J	**0.05**	J	*0.2*	U	**0.07**	J
Dibenzo(a,h)anthracene	~	0.2	U	0.13	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Fluoranthene	50	0.14	J	1.7		0.3		0.1	J	0.21		0.16	J	0.08	J	0.62	
Fluorene	50	0.09	J	3		0.18	J	0.2	U	0.18	J	0.2	U	0.09	J	1.7	
Indeno(1,2,3-cd)Pyrene	0.002	*0.2*	U	**0.21**		**0.15**	J	*0.2*	U	**0.13**	J	**0.19**	J	*0.2*	U	**0.12**	J
Naphthalene	10	0.2	U	2.3		0.77		0.2	U	0.36		0.2	U	0.2	U	0.13	J
Pentachlorophenol	1	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Phenanthrene	50	0.2		4.8		0.37		0.09	J	0.51		0.2	U	0.1	J	0.49	
Pyrene	50	0.13	J	1.3		0.32		0.08	J	0.18	J	0.14	J	0.06	J	0.46	

Notes:
1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Drinking Water (class GA).
2. Only compounds with detections are shown in the table.
3. NYSDEC TOGS 1.1.1 SGVs exceedances are shaded and bolded black.
4. Reporting Limits (RL) above NYSDEC TOGS 1.1.1 AWQS and Guidance Values are italicized.
5. µg/l = micrograms per liter
6. ~ = This criteria does not exist.

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.

Table 9C
Groundwater Sample Detections - PCBs, Pest, Herb, Metals, General Chemistry
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sampling Date	NYSDEC TOGS Standards and Guidance Values - GA	MW10 MW10_030714 L1404879-01 3/7/2014		MW-13A MW-13A_031114 L1405076-01 3/11/2014		MW-14 MW-14_031014 L1404960-01 3/10/2014		MW16 MW16_030714 L1404879-02 3/7/2014		MW-17 MW-17_030614 L1404776-01 3/6/2014		MW-17 GWDUP01_030614 L1404776-03 3/6/2014		MW-18 MW-18_031014 L1404960-02 3/10/2014		MW19 MW19_030714 L1404879-03 3/7/2014	
Polychlorinated Biphenyls (µg/l)																	
Total PCBs	0.09	ND		ND		ND		ND		ND		ND		ND		ND	
Pesticides (µg/l)																	
Total Pesticides	~	ND		ND		ND		ND		ND		ND		ND		ND	
Herbicides (µg/l)																	
Total Herbicides	~	ND		ND		ND		ND		ND		ND		ND		ND	
Metals (µg/l)																	
Aluminum, Total	~	154		30.8	J	13.5		237		430		361		1460		356	
Antimony, Total	3	0.56	J	1.79	J	0.15	J	0.87	J	**14.97**		**16.36**		0.65	J	0.37	J
Arsenic, Total	25	1.32		9.23		5.77		2.89		8.43		9.24		5.13		2.21	
Barium, Total	1000	67.98		47.12		273		170.7		153		164.6		280.2		322.8	
Cadmium, Total	5	0.22		0.82		0.2	U	0.06	J	0.16	J	0.19	J	0.12	J	0.29	
Calcium, Total	~	298000		885000		109000		222000		170000		181000		295000		225000	
Chromium, Total	50	2.34		2.01	J	0.36	J	2.49		3.02		2.57		3.42		1.51	
Chromium, Hexavalent	50	10	U	10	U	10	U	10	U	5	J	10	U	10	U	10	U
Chromium, Trivalent	~	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Cobalt, Total	~	0.62		4.41		1.81		3.13		4.03		4.3		5.59		0.71	
Copper, Total	200	5.77		1.53	J	0.68	J	3.46		4.39		4.65		22.86		3.27	
Iron, Total	300	**4820**		**8960**		**23400**		**8670**		**6700**		**7120**		**16100**		**17300**	
Lead, Total	25	6.9		4.33		2.14		19.42		21.82		**28.52**		**77.7**		**43.45**	
Magnesium, Total	35000	**67500**		**108000**		12800		**48900**		**42400**		**46200**		**42200**		**47500**	
Manganese, Total	300	**6030**		**849.2**		**2996**		**2264**		**5814**		**6204**		**8792**		**737.8**	
Mercury, Total	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Total	100	3.59		25.46		2.06		6.2		8.53		8.78		7.72		3.34	
Potassium, Total	~	27100		29900		7870		16200		18500		19800		14300		8890	
Selenium, Total	10	2.18	J	**18.7**	J	0.86	J	1.64	J	0.84	J	1.46	J	2.33	J	1.21	J
Sodium, Total	20000	**91700**		**578000**		**88700**		**83200**		**114000**		**124000**		**493000**		**93100**	
Thallium, Total	0.5	0.03	J	*2*	U	0.5	U	0.04	J	0.1	J	0.12	J	0.07	J	0.5	U
Vanadium, Total	~	1.18	J	0.65	J	0.26	J	1.51	J	1.83	J	1.82	J	4.41	J	2.14	J
Zinc, Total	2000	36.85		116.8		5.8	J	15.96		49.72		58.44		40.04		185	
Dissolved Metals (µg/l)																	
Aluminum	~	3.51	J	40	U	2.13	J	2.76	J	157		41.8		20	U	3.97	J
Antimony	3	1.31		**17.82**		0.29	J	0.9	J	**15.85**		**13.74**		2.09	J	0.3	J
Arsenic	25	1.02		1.89	J	2.31		1.39		6.99		4.76		2.72		0.75	
Barium	1000	37.64		41.24		189.9		111.9		151.2		141.5		218.8		227.7	
Cadmium	5	0.2	U	0.25	J	0.2	U	0.2	U	0.12	J	0.4	U	0.4	U	0.2	U
Calcium	~	290000		831000		99200		230000		172000		171000		257000		224000	
Chromium	50	0.54	J	4	U	1.36		0.39	J	1.64	J	0.67	J	1.28	J	0.32	J
Cobalt	~	0.51		3.76		1.56		2.48		3.85		3.7		3.96		0.37	J
Copper	200	1.49		4	U	0.24	J	1.32		3.17		1.23	J	0.45	J	1.05	
Iron	300	**1230**		200	U	**12300**		**1010**		**4200**		**1610**		**5500**		**3890**	
Lead	25	0.52	J	4	U	1	U	1	U	13.1		2.13		2	U	0.33	J
Magnesium	35000	**67800**		**117000**		11300		**50400**		**40200**		**43900**		**40500**		**47500**	
Manganese	300	**5698**		**750.4**		**2742**		**2094**		**5668**		**5700**		**7620**		**686.6**	
Nickel	100	2.77		20.15		1.76		5.43		7.88		7.81		5.4		2.59	
Potassium	~	25800		31300		6770		16500		17600		17900		13100		8640	
Selenium	10	2.02	J	**12.4**	J	0.52	J	1.39	J	2.87	J	2.42	J	1.51	J	0.91	J
Silver	50	0.49		1.6	U	0.4	U	0.4	U	0.8	U	0.8	U	0.27	J	0.4	U
Sodium	20000	**91300**		**571000**		**79600**		**87600**		**114000**		**117000**		**440000**		**88800**	
Thallium	0.5	0.05	J	*2*	U	0.5	U	0.03	J	0.1	J	0.08	J	0.08	J	0.04	J
Vanadium	~	0.7	J	20	U	0.3	J	0.14	J	0.94	J	0.22	J	0.25	J	0.13	J
Zinc	2000	10.33		82.16		8.59	J	13.13		43.58		29.42		35.58		10.82	
General Chemistry (µg/l)																	
Cyanide, Total	200	4	J	2	J	4	J	26		4		5		4	J	4	J

Notes and Qualifiers:

1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Drinking Water (class GA).

2. Only compounds with detections are shown in the table.

3. NYSDEC TOGS 1.1.1 SGVs exceedances are shaded and bolded black.

4. Reporting Limits (RL) above NYSDEC TOGS 1.1.1 SGVs are italicized.
5. µg/l = micrograms per liter
6. ~ = This criteria does not exist.
7. ND = Not Detected

8. J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.

9. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 9C
Groundwater Sample Detections - PCBs, Pest, Herb, Metals, General Chemistry
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sampling Date	NYSDEC TOGS Standards and Guidance Values - GA	MW20 MW20_030714 L1404879-04 3/7/2014		MW-21 MW-21_031114 L1405076-02 3/11/2014		MW-22 MW-22_031114 L1405076-03 3/11/2014		MW-23 MW-23_031014 L1404960-03 3/10/2014		MW-24 MW-24_031114 L1405076-04 3/11/2014		MW-25 MW-25_030614 L1404776-02 3/6/2014		MW26 MW26_030714 L1404879-05 3/7/2014		MW-28 MW-28_031014 L1404960-04 3/10/2014	
Polychlorinated Biphenyls (µg/l)																	
Total PCBs	0.09	ND		ND		ND		ND		ND		ND		ND		ND	
Pesticides (µg/l)																	
Total Pesticides	~	ND		ND		ND		ND		ND		ND		ND		ND	
Herbicides (µg/l)																	
Total Herbicides	~	ND		ND		ND		ND		ND		ND		ND		ND	
Metals (µg/l)																	
Aluminum, Total	~	220		154		79.7		646		177		200	U	25.5		84.9	
Antimony, Total	3	0.41	J	0.27	J	1.46	J	0.29	J	0.32	J	2.16	J	0.29	J	0.26	J
Arsenic, Total	25	3.72		3.24		11.33		4.37		4.32		12.85		0.72		2.48	
Barium, Total	1000	102.9		147.2		120.6		484.6		193		18.44		87.06		542	
Cadmium, Total	5	0.06	J	0.2	U	0.4	U	0.4	U	0.4	U	4	U	0.2	U	0.4	U
Calcium, Total	~	197000		201000		187000		293000		173000		278000		78000		294000	
Chromium, Total	50	0.74	J	3.02		36.22		1.88	J	1.17	J	20	U	1.78		0.66	J
Chromium, Hexavalent	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chromium, Trivalent	~	10	U	10	U	36		10	U	10	U	10	U	10	U	10	U
Cobalt, Total	~	2.07		0.45	J	6.19		1.16		0.59	J	10	U	0.39	J	0.83	J
Copper, Total	200	1.28		1.31		1.86	J	7.34		0.64	J	5.44	J	1.13		2.62	
Iron, Total	300	**5030**		**11100**		**1970**		**30400**		**3220**		**1550**		**388**		**33500**	
Lead, Total	25	2.88		14.65		10.7		**58.18**		4.23		20	U	0.98	J	12.34	
Magnesium, Total	35000	**44300**		**53900**		**43400**		**143000**		**59300**		**866000**		8210		**117000**	
Manganese, Total	300	**5718**		**987.8**		**1023**		**902.2**		**901.4**		4.97	J	87.78		**902**	
Mercury, Total	0.7	0.2	U	0.2	U	0.2	U	0.08	J	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Total	100	3.7		3.58		38.66		3.9		5.23		7.51	J	1.84		3.89	
Potassium, Total	~	16000		17200		14300		50400		25300		238000		3670		29100	
Selenium, Total	10	2.84	J	3.83	J	4.27	J	4.89	J	5.1	J	**48.2**	J	4.52	J	5.75	J
Sodium, Total	20000	**451000**		**304000**		**310000**		**285000**		**461000**		**7060000**		**122000**		**352000**	
Thallium, Total	0.5	0.05	J	0.5	U	*1*	U	*1*	U	*1*	U	**0.62**	J	0.06	J	*1*	U
Vanadium, Total	~	0.33	J	0.84	J	0.85	J	3.57	J	1.37	J	100	U	0.7	J	0.71	J
Zinc, Total	2000	18.01		8.64	J	119.2		34.68		6.79	J	39.82	J	6.07	J	20.24	
Dissolved Metals (µg/l)																	
Aluminum	~	2.55	J	10	U	20	U	20	U	20	U	200	U	5.06	J	8.04	J
Antimony	3	0.34	J	**11.99**		**7.28**		0.48	J	**6.12**		**10.95**	J	0.19	J	2.31	J
Arsenic	25	2.04		0.59		5.93		1.81		1.85		17.93		0.49	J	2.19	
Barium	1000	102.6		108.3		116.4		260.4		160.4		33.54		77.27		385.8	
Cadmium	5	0.05	J	0.2	U	0.4	U	1	U	0.4	U	4	U	0.2	U	0.4	U
Calcium	~	197000		264000		177000		255000		168000		266000		73800		255000	
Chromium	50	0.34	J	0.31	J	2	U	3.36		2	U	20	U	0.69	J	2.33	
Cobalt	~	2.09		0.11	J	6.26		0.63		0.28	J	10	U	0.28	J	0.75	J
Copper	200	1.17		1	U	0.21	J	0.78	J	2	U	6.93	J	0.96	J	0.78	J
Iron	300	**982**		50	U	100	U	**12200**		100	U	**1450**		**303**		**16000**	
Lead	25	1	U	1	U	2	U	2	U	2	U	20	U	0.25	J	0.41	J
Magnesium	35000	**44200**		**69800**		**46900**		**134000**		**68200**		**764000**		7610		**104000**	
Manganese	300	**5636**		**1208**		**1037**		**747**		**918.6**		6.92	J	76.73		**788.2**	
Nickel	100	3.74		0.99		26.88		2.97		2.8		7.12	J	1.34		4.05	
Potassium	~	16600		18400		13700		43600		26900		224000		3260		27100	
Selenium	10	3.03	J	0.32	J	2.69	J	3.99	J	1.12	J	**60.5**	J	4.7	J	5.66	J
Silver	50	0.4	U	0.4	U	0.2	J	0.8	U	0.8	U	2.41	J	0.4	U	0.8	U
Sodium	20000	**450000**		**427000**		**237000**		**268000**		**490000**		**6540000**		**114000**		**318000**	
Thallium	0.5	0.05	J	0.5	U	*1*	U	*1*	U	*1*	U	**0.65**	J	0.03	J	*1*	U
Vanadium	~	5	U	5	U	0.34	J	0.97	J	0.81	J	100	U	0.58	J	0.54	J
Zinc	2000	18.6		10	U	92.58		22.02	J	20	U	45.16	J	5.95	J	14.58	J
General Chemistry (µg/l)																	
Cyanide, Total	200	19		2	J	2	J	3	J	9		6		4	J	3	J

Notes and Qualifiers:

1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Drinking Water (class GA).

2. Only compounds with detections are shown in the table.

3. NYSDEC TOGS 1.1.1 SGVs exceedances are shaded and bolded black.

4. Method Detection Limits (MDL) above NYSDEC TOGS 1.1.1 SGVs are italicized.
5. µg/l = micrograms per liter
6. ~ = This criteria does not exist.
7. ND = Not Detected

8. J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.

9. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination; the value shown in the table is the RL.

Table 10
Soil Program QA/QC Sample Detections
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Type Client Sample ID Lab Sample ID Sampling Date	Field Blank SOFB01_022514 L1404087-08 2/25/2014		Field Blank SOFB02_022714 L1404281-06 2/27/2014		Trip Blank SOTB01_022414 L1404004-08 2/24/2014		Trip Blank SOTB02_022514 L1404087-09 2/25/2014		Trip Blank SOTB03_022614 L1404172-08 2/26/2014		Trip Blank SOTB04_022714 L1404281-07 2/27/2014	
Volatile Organic Compounds (µg/l)												
2-Butanone	5	U	4.5	J	5	U	5	U	5	U	5	U
Acetone	5	U	3.5	J	5	U	5	U	5	U	5	U
Semivolatile Organic Compounds (µg/l)												
Naphthalene	0.07	J	0.08	J	NA		NA		NA		NA	
Polychlorinated Biphenyls (µg/l)												
Total PCBs	ND		ND		NA		NA		NA		NA	
Pesticides (µg/l)												
Pesticides	ND		ND		NA		NA		NA		NA	
Herbicides (µg/l)												
Herbicides	ND		ND		NA		NA		NA		NA	
Metals (µg/l)												
Aluminum, Total	3.28	J	10	U	NA		NA		NA		NA	
Antimony, Total	0.71	J	0.97	J	NA		NA		NA		NA	
Barium, Total	0.28	J	0.16	J	NA		NA		NA		NA	
Chromium, Total	0.33	J	0.3	J	NA		NA		NA		NA	
Copper, Total	0.16	J	0.13	J	NA		NA		NA		NA	
Manganese, Total	0.15	J	0.5	U	NA		NA		NA		NA	
Nickel, Total	0.11	J	0.5	U	NA		NA		NA		NA	
Sodium, Total	35	J	28.6	J	NA		NA		NA		NA	
Zinc, Total	2.68	J	2.9	J	NA		NA		NA		NA	
General Chemistry												
Cyanide, Total	2	J	3	J	NA		NA		NA		NA	

Notes:
1. Only compounds with detections are shown in the table.
4. PCBs = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. NA = Not Analyzed
7. ND= Not Detected

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of reporting limit (RL); the value shown in the table is the RL.
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.

Table 11
Groundwater Program QA/QC Sample Detections
Remedial Investigation Report
Parcels E3, D1, D2, F, G and H

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sampling Date	Field Blank GWFB_030714 L1404879-06 3/7/2014		Trip Blank GWTB01_030614 L1404776-04 3/6/2014		Trip Blank GWTB02_030614 L1404776-05 3/6/2014		Trip Blank GWTB_030714 L1404879-07 3/7/2014		Trip Blank GWTB04_031014 L1404960-05 3/10/2014		Trip Blank GWTB05_031114 L1405076-05 3/11/2014	
Volatile Organic Compounds (µg/l)												
2-Butanone	5	U	5	U	5	U	5	U	5	U	1.8	J
Acetone	5	U	5	U	5	U	5	U	5	U	1.2	J
Semi-volatile Organic Compounds (µg/l)												
Naphthalene	0.1	J	NA		NA		NA		NA		NA	
Polychlorinated Biphenyls (µg/l)												
Total PCBs	ND		NA		NA		NA		NA		NA	
Pesticides (µg/l)												
Total Pesticides	ND		NA		NA		NA		NA		NA	
Herbicides (µg/l)												
Total Herbicides	ND		NA		NA		NA		NA		NA	
Metals (µg/l)												
Antimony, Total	0.91	J	NA		NA		NA		NA		NA	
Barium, Total	0.55		NA		NA		NA		NA		NA	
Calcium, Total	53.1	J	NA		NA		NA		NA		NA	
Chromium, Total	0.32	J	NA		NA		NA		NA		NA	
Copper, Total	0.37	J	NA		NA		NA		NA		NA	
Manganese, Total	0.42	J	NA		NA		NA		NA		NA	
Sodium, Total	244	J	NA		NA		NA		NA		NA	
Zinc, Total	2.46	J	NA		NA		NA		NA		NA	
Dissolved Metals (µg/l)												
Aluminum	2.02	J	NA		NA		NA		NA		NA	
Antimony	0.17	J	NA		NA		NA		NA		NA	
Barium	0.33	J	NA		NA		NA		NA		NA	
Calcium	129	J	NA		NA		NA		NA		NA	
Chromium	0.28	J	NA		NA		NA		NA		NA	
Copper	0.24	J	NA		NA		NA		NA		NA	
Magnesium	42.3	J	NA		NA		NA		NA		NA	
Manganese	0.16	J	NA		NA		NA		NA		NA	
Sodium	339	J	NA		NA		NA		NA		NA	
Zinc	8.19	J	NA		NA		NA		NA		NA	
General Chemistry (µg/l)												
Cyanide, Total	2	J	NA		NA		NA		NA		NA	

Notes:
1. Only compounds with detections are shown in the table.
2. µg/l = micrograms per liter
3. NA = Not Analyzed
4. ND = Not Detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

APPENDIX A

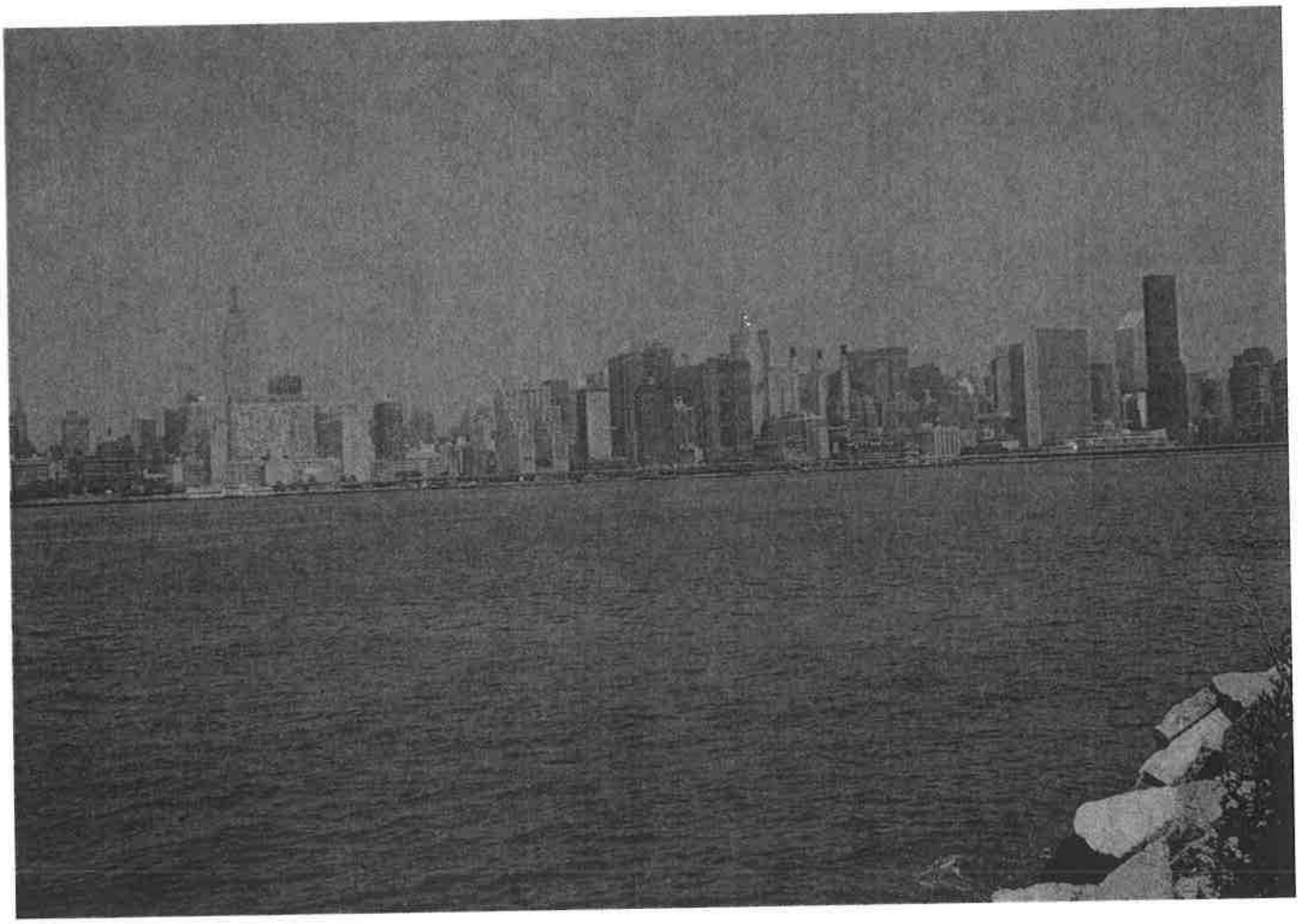
PREVIOUS ENVIRONMENTAL REPORTS

Greenpoint Lumber Yard

Brooklyn, New York

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Project Number: 30260-0001



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July 2001

EXECUTIVE SUMMARY

AKRF, Inc. was retained by Park Tower Realty Corporation to perform an Environmental Site Assessment of the approximately 21-acre former lumber yard located along West and Commercial Streets in the Greenpoint neighborhood of Brooklyn, New York (See Figure 1). The objective of this assessment is to identify any potential environmental concerns associated with the site resulting from past or current usage of the site as well as similar usage of neighboring properties. The site is currently used primarily for the storage and transfer of heavy equipment, trucks, contractor's materials and lumber. Twelve tenants currently occupy the site. The subject blocks are generally bounded to the north by Newtown Creek; to the east by portions of Commercial Street, Franklin Street and West Street; to the south by Huron Street; and to the west by the East River. The surrounding neighborhood is predominantly mixed-use residential and industrial in nature.

This assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, this practice are described in Section 6.0 of this report.

The regulatory databases, Fire Department records, historical land-use atlases, and the visual site inspection indicate that the subject property has over a 100-year history of industrial use related primarily to the lumber and coal industries. Lumber Exchange Terminal, Inc, the current owner of the property, reportedly assembled the property in the 1930s, 1940s and 1950s. The owner began to phase out lumber yard operations in the 1980's when he began leasing portions of the property to industrial tenants, mainly for use as contractor's storage yards. Currently, only a small portion of the property remains occupied by Lumber Exchange Terminal, Inc. For the purpose of clarity, each Tax Block will be discussed individually (See Figure 2), and then potential environmental impairments located outside of the subject property will be discussed.

- **Tax Block 2520, Lot 57** - This portion of the property was historically occupied by a portion of the New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (also located on Block 2510); it was used for logwood, wagon and pattern storage. This Lot was also occupied by a portion of the New York Quebracho Extract Company ca. 1916 (also located on Block 2510); it contained a cooperage and a wagon house. Quebracho is a natural bark extract, rich in tannins, which is used to treat leather. Although quebracho is an organic substance, the process used to extract it may have involved the use or generation of hazardous materials or wastes. However, it appears this portion of the business was used more for storage than for manufacturing. Block 2520, Lot 57 was occupied by Lumber Exchange Terminal Inc. prior to 1942 through the present (Area 1 - Areas are shown in Figure 2). Other tenants currently occupying the Lot include Acquisitions Investment, Inc. (Area 2 - used for bus parking and minor repair) and Trochom Construction Corporation (a portion of Area 3 - used for auto parking and contractor's materials storage). This portion of the property currently contains a two-story brick office building (which

first appeared on Sanborn Maps in 1887), a large corrugated metal garage (which first appeared on Sanborn Maps in 1965), and a small guard shed near the Green Street entrance. Surface staining was observed in Areas 1, 2, and 3. 20- and 30-cubic yard waste containers were observed in Areas 2 and 3, respectively.

Suspect asbestos-containing materials, including boiler insulation, pipe insulation, spray-on fire proofing, floor and ceiling tiles were observed in the two-story brick building during site inspection. The roof was inaccessible at the time of inspection, however, due to the age of the structure, it can be assumed to contain asbestos. This structure was reportedly heated by fuel oil located in one 550-gallon tank enclosed behind a brick wall near the boiler room. In addition, one fuel pump was observed outside of the two-story brick building, which was reportedly serviced by two 550-gallon underground gasoline tanks. New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing an underground gasoline tank located at the northwest corner of a two-story brick building, a 1938 Permit to install one 550-gallon underground gasoline tank and one fuel pump and a 1957 record showing one 550-gallon fuel oil tank within a two-story building. A search of computerized Fire Department records did not locate any heating or motor fuel oil records for the property.

The small guard shed may contain asbestos-containing and/or lead paint-containing materials, though none were observed during site inspection.

The eastern portion of the garage building was used primarily to store fork lifts and old car parts; the western portion of the garage was primarily used for the storage of car batteries, tires and tools. The area was illuminated with new-looking pole mounted fluorescent lights, however, old, ceiling mounted fluorescent lights (potentially with PCB-containing ballasts) were observed throughout the structure. One 275-gallon aboveground storage tank of hydraulic oil, one 275-gallon aboveground storage tank of motor oil and over twenty 55-gallon drums and several 5-gallon drums of petroleum products were observed in the eastern portion of the structure; several 55-gallon drums of lube oil and antifreeze and two oxygen and acetylene tanks were observed in the western portion. AKRF personnel were informed that auto and fork lift repair occurred in the areas directly east and west of the garage building. Severe surface staining and several 55-gallon drums of petroleum products were observed in these areas.

The fuel oil, gasoline, hydraulic oil and motor oil tanks; the 55- and 5-gallon containers of petroleum products; and the Block's current usage for auto repair could have contributed to petroleum contamination in soil and/or groundwater. The Block's former usage as a dye and chemical factory, as a quebracho extract company and as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site. Asbestos-containing and/or lead paint containing building materials could be present in the two-story brick office building and/or in the corrugated metal garage on the Block. Finally, mercury-containing fluorescent lights and/or PBC-containing ballasts could be present in lighting fixtures in on-site structures.

- **Tax Block 2510** - This portion of the property was historically occupied by a portion of the New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (also located on Block 2520, Lot 57); it contained a large logwood storage shed, a small oil storage shed, an area with 15 wooden dye tanks, a large tank house, and storage, cutting and manufacturing buildings. This Lot was also occupied by a portion of the New York Quebracho Extract Company ca. 1916 (also located on Block 2510); it contained several storage sheds and industrial buildings, a large tank room and two areas with dye wood tanks and logwood tanks. This portion of the business appeared to have been used both for manufacturing and for storage. Block 2510 was occupied by Lumber Exchange Terminal Inc. prior to 1942 through 1989. Tenants currently occupying the Block include Trochom Construction Corporation (a portion of Area 3 - used for contractor's materials storage), Bay Crane Services, Inc., (Area 4 - used for storage of cranes and other large construction vehicles), Safway Steel Products, Inc./ Spring Scaffolding (a portion of Area 6 - used for storage of scaffolding materials) and Hylan Electrical Contracting, Inc. (Area 7 - used for storage of materials used to install fiber optic cabling). 55-gallon drums of water-based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed in Area 3. Surface staining was also observed in Area 3. Generators, several fork lifts and 55-gallon drums of fiber optic cable lubricator were observed in Area 6. 20- and 30-cubic yard waste containers were observed in Areas 3 and 6, respectively.

  The 55- and 5-gallon containers of chemicals and petroleum products and the Block's former usage as a dye and chemical factory, as a quebracho extract company and as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site.

- **Tax Block 2502** - This portion of the property was historically occupied by A.K. Meserole & Company (a mason material and coal storage yard) and a portion of C. Winant's Spar Company ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard and a two-story lumber shed belonging to P.M. Dingee & Sons ca. 1905; Export Auto Case Company and vacant land ca. 1916; vacant land ca. 1942; and the Lumber Exchange Terminal, Inc. ca. 1951 through ca. 2000. Tenants currently occupying the Block include Trochom Construction Corporation (a portion of Area 3 - used for contractor's materials storage), River Hauling, Inc. (a portion of Area 5 - used for temporary storage and transport of large items), Safway Steel Products, Inc. (a portion of Area 6 - used for storage of scaffolding materials) and Far Better Towing, Inc. / R-D Towing Corporation (Area 8 - used for the storage of repossessed automobiles). 55-gallon drums of water-based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed in Area 3. Surface staining was observed in Areas 3 and 5. Pony generators, several fork lifts and 55-gallon drums of fiber optic cable lubricator were observed in Area 6. 20- and 30-cubic yard waste containers were observed in Areas 3 and 6.

  The 55-gallon containers of chemicals and petroleum products currently on-site and the Block's former usage as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Tax Block 2472, Lots 2, 32, 100, 410 and 425** - Block 2472 was historically occupied by a portion of C. Winant's Spar Company and Church and Reeves Lumber Yard ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard, the Bergen & Company Lumber Yard and the O'Rourke Engineering Construction Company ca. 1905; the Bergen & Company Lumber Yard, a portion of the New York State Barge Canal Terminal; a portion of Alberene Stone Company Tub Storage and vacant land ca. 1916; the New York State Canal Terminal, Greenpoint Coal Docks, Inc. and vacant land ca. 1942 through ca. 1951; and the Lumber Exchange Terminal, Inc. ca. 1965 through ca. 2000. Sanborn Maps from the year 2000 indicated Block 2472 to also contain Two Guys Towing and Auto Repair and a parking lot. Current tenants include Far Better Towing, Inc. / R-D Towing Corporation (a portion of Area 8 - used to park repossessed automobiles), Lumber Exchange Terminal, Inc. (a portion of Area 1 - used to store lumber), River Hauling, Inc. (a portion of Area 5 - used for temporary storage and transport of large items), New York City Housing Authority (Area 9 - used to park cars and store materials), Henkles & McCoy (Area 10 - used to park cars and store contractor's materials), Supreme Trucking (Area 11 - used for parking and minor repair large cargo trucks and for the staging of large items), MWK Transport, Inc./SJK Transport (Area 12 - used for truck parking and the storage of materials), and Spring Scaffolding (Area 13 - used to store scaffolding materials). Several fork lifts, 55-gallon drums of hydraulic oil, a 20-cubic yard waste container and surface staining in several areas were observed in this portion of Area 5. It was reported that minor auto repairs, truck washing and tire changes were performed in Area 11. Several 55-gallon drums of lube oil were observed in Area 11. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988. It is unknown whether these potential tanks were located aboveground or underground.

  The 55-gallon containers of petroleum products currently on-site, the potential storage tanks on-site, the Block's former usage as a lumber yard (if pressure treatment occurred on-site), and the Block's current use for auto repair could have contributed to petroleum and/or hazardous materials contamination on-site. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Block 2494, Lot 1** - Block 2494, Lot 1 was historically occupied by dwellings and stores ca. 1887 through ca. 1905; a garage and repair shop with a tank house and an underground storage tank ca. 1916; vacant land ca. 1951; and the Lumber Exchange Terminal ca. 1965 through 2000. Far Better Towing, Inc. / R-D Towing Corporation is the current occupant of the Lot (a portion of Area 8 - used to repair, park and auction seized vehicles). A trailer office and a one-story brick auto-repair shop were observed near the entrance to Area 8 (at the intersection of Franklin and Dupont Streets). The one-story building contained brick walls, concrete floors and a wood ceiling. The roof was not inspected, but can be assumed to contain asbestos. One 55-gallon drum of diesel fuel was observed in this building and three more were observed outside of the building. An employee of Far Better Towing, Inc. informed AKRF personnel that oil and tires are changed and minor repairs occur. No vehicles were reportedly fueled on the property. Piles of trash, tires, car parts, a

tank of carbon dioxide gas and one 275-gallon abandoned aboveground storage tank were observed surrounding the trailer and the one-story structure.

The 55-gallon containers of petroleum products currently on-site, the current and former auto-repair operation, the underground gasoline storage tank identified on the property, the hydraulic lift system identified on-site and the former usage as a lumber yard (if pressure treatment occurred on-site) could have contributed to petroleum and/or hazardous materials contamination on-site. Asbestos-containing and/or lead paint containing materials could be present in the one-story auto repair shop. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Environmental Conditions Located Outside of the Subject Property -** In the New York State Resource Conservation and Recovery Act (RCRA) database, one Treatment, Storage, and Disposal facilities was identified within a one-mile radius of the subject area and ten RCRA generators were listed within a one-eighth mile radius of the project site. Several of these industrial facilities with known generation of hazardous wastes (including halogenated solvents) are located up-gradient with respect to groundwater to the subject property. Several facilities have Class One RCRA violations, indicating releases may have occurred. Groundwater quality may have been impaired by these operations.

RECOMMENDATIONS:

- AKRF recommends a Phase II Subsurface Site Investigation to determine the presence and possible extent of underground storage tanks as well as petroleum and/or hazardous materials contamination in on site soil and groundwater;

- AKRF recommends any identifies tanks be properly registered, if required, with the New York State Department of Environmental Conservation and the New York City Fire Department. Prior to any renovation or demolition activities with the potential to disturb known tanks, they should be property assessed, closed and removed from the property in accordance with all federal, state and local regulations;

- Prior to any renovation or demolition activities with the potential to disturb suspect asbestos containing materials, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all sate and federal regulations;

- Any renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 - Lead Exposure in Construction). Current New York State Department of Environmental Conservation guidance permits the disposal of construction materials covered with lead-based paint as demolition debris within an approved landfill; and

- The suspect mercury-containing fluorescent lights and suspect PCB-containing lighting fixtures do not currently present a potential hazard to human health. Unless there is labeling or test data to indicate they are not mercury- and/or PCB-containing, if disposal is required, it should be in accordance with applicable federal, state, and local regulations and guidelines.

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FIGURES

Figure 1 Project Site Location
Figure 2 Project Site Map

APPENDICES

Appendix A Photographic Documentation
Appendix B Historical Sanborn Maps
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Appendix D New York City Fire and Buildings Department Records

1.0 INTRODUCTION

AKRF, Inc. was retained by Park Tower Realty Corporation to perform an Environmental Site Assessment of the approximately 21-acre former lumber yard located at 171 West Street in the Greenpoint neighborhood of Brooklyn, New York. (Please see Figure 1 for a map of the area.) The legal definition of the subject property is Tax Block 2472, Lots 2, 32, 100, 410 and 425; Tax Block 2494, Lot 1; Tax Block 2502, Lot 1; Tax Block 2510, Lot 1; and Tax Block 2520, Lot 57, as shown in Figure 2. The subject blocks are generally bounded to the north by Newtown Creek; to the east by portions of Commercial Street, Franklin Street and West Street; to the south by Huron Street; and to the west by the East River. The site is currently used primarily for the storage and transfer of heavy equipment, trucks, contractor's materials and lumber. Twelve tenants currently occupy the site (see Figure 2).

The scope of services for this assessment included the following:

- Visual observations of the project site and surrounding property were made to identify potential sources or indications of chemical contamination. The potential sources of contamination included, but were not limited to, underground storage tanks (USTs), aboveground storage tanks (ASTs), objects that could potentially contain polychlorinated biphenyls (PCBs), and areas where hazardous materials were used, stored, treated, generated and/or disposed. Indications of chemical contamination include stained surfaces and chemical odors.

  In addition, readily observable portions of the properties immediately adjacent to the site were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination.
- Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.
- A visual inspection of the property was conducted to identify and evaluate the condition of any suspect asbestos-containing building materials (ACMs).
- The property was evaluated for the potential presence of lead-based paint, and the condition of painted surfaces was assessed.
- A review of radon concentrations in Kings County (Brooklyn) was conducted to determine if radon levels in the general area complied with United States Environmental Protection Agency (US EPA) guidelines.
- Historical land-use atlases for the site and adjacent properties were reviewed to evaluate previous land use.
- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); and the US EPA Civil Enforcement Docket. The federal listing of facilities that are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: the listings of hazardous material spills (SPILLS), Resource Conservation and Recovery Act Notifiers (RCRA), Chemical Bulk Storage (CBS), Solid Waste Facilities (SWF), Petroleum Bulk Storage (PBS), State Inactive Hazardous Waste Disposal Sites (SHWS), Major Oil Storage Facilities (MOSF), and Air Discharge Facilities (ADF).
- A review of available local Fire Department and Buildings Department records was conducted to obtain any information pertinent to the assessment of the environmental condition of the subject property. Specifically, records regarding past and present on-site fuel oil tanks and historical uses were requested and reviewed.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on June 28, 2001 by Mimi Sotiriou of AKRF, accompanied by John Doyle and Ramon Quintero of Lumber Exchange Terminal, Inc. The inspection was conducted at 10:00 AM. At the time of the inspection, the weather was clear, the visibility was good, and the premises were adequately illuminated. The site was inspected for the presence of stained surfaces and soils, stressed vegetation, storage tanks, drums, leaking pipes, transformers, suspect asbestos-containing materials, suspect lead-containing paint, or any other evidence of hazardous material usage and storage on-site. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The project site consisted of an approximately 20-acre parcel of land, used primarily for the storage and transfer of heavy equipment, trucks, contractor's materials and lumber. Twelve tenants currently occupy the site (see Figure 2 for approximate tenant location). Partial fences partitioned the tenants apart on the property. The majority of the site consisted of a flat, asphalt-paved lot. Only three structures were noted on the property: a two-story brick office building and a corrugated metal garage located in Area 1 and a small one-story brick auto repair shop located in Area 8. Each tenant area will be described separately below:

***Area 1:* Lumber Exchange Terminal, Inc.**

The portion of Area 1 that is located at the intersection of Green Street and West Street contained one two-story brick and concrete office building and one large corrugated metal garage on an asphalt-paved area. The office and the garage were used by both the Lumber Exchange Terminal, Inc. and by Acquisitions Investments, Inc. to a lesser extent.

The two-story office building was reportedly built as a barn. The building is currently used primarily for office use; however, a tool room and a storage room were located in the western portion of the first floor of the building. The floors of the building consisted of concrete, wood, ceramic (bathrooms) or several colors of 9" and 12" suspect asbestos-containing vinyl floor tiles. The walls of the building consisted of brick, concrete, plaster, wood and 1'x1' ceiling tile. The ceilings of the structure consisted of wood, concrete, plaster, and suspect asbestos-containing 1'x1' and 2'x4' suspended ceiling tiles. The ceiling of the garage room was sprayed with suspect asbestos-containing fire proofing material. The roof of the building was inaccessible at the time of inspection. Mr. Doyle informed AKRF personnel that no roof replacement activities, only patching, had been performed to his knowledge.

The two-story building was cooled with window-mounted air conditioning units. It was heated with oil-heated hot water. A boiler room was located in the western portion of the first floor. This room contained a domestic hot water heater and a boiler covered with suspect asbestos-containing insulation. Some pipes in this area were also covered with suspect asbestos-containing thermal insulation and other were un-insulated. One 550-gallon fuel oil tank was reportedly located in a concrete and brick enclosed wall adjacent to the boiler room.

The garage had a concrete floor and corrugated metal walls and roof. The area was illuminated with new-looking pole mounted fluorescent lights, however, old, ceiling mounted fluorescent lights (potentially with PCB-containing ballasts) were observed throughout the structure.

Lumber Exchange Terminal, Inc. occupied the eastern portion and Acquisitions Investments, Inc. occupied the western portion. The eastern portion of the garage was used primarily to store fork lifts and old car parts. One 275-gallon aboveground storage tank of hydraulic oil and one 275-gallon aboveground storage tank of motor oil were observed against the eastern wall of the structure. Additionally, over twenty 55-gallon drums and several 5-gallon drums of petroleum products were observed in the eastern portion of the garage. Mr. Quintero informed AKRF personnel that no auto repair is performed by Lumber Exchange Terminal, Inc. in this portion of the garage; it is performed in the paved area between the garage and the two-story office building.

The western portion of the garage was primarily used for the storage of car batteries, tires and tools. Several 55-gallon drums of lube oil and antifreeze and two oxygen and acetylene tanks were observed in this area. Mr. Quintero informed AKRF that no bus repair is performed in this portion of the garage; it is performed in Area 2 of the site, where double-decker buses are parked.

The remainder of Area 1 consisted of an asphalt paved area. One fuel pump was located directly east-adjacent to the two-story structure. Two 550-gallon underground gasoline tanks are reportedly connected to this pump. Several machines and old generators were located to the east of the garage building on the paved area. Severe surface staining was observed on the asphalt located between the two-story building and the garage. Several 55-gallon drums of unknown materials were located in this area.

A small guard shack was observed at the entrance to the property, on green street. This structure was constructed of concrete and brick, with plywood and plaster interior walls, ceilings and floors.

The portion of Area 1 located at the intersection of Commercial and Dupont Streets consisted of an asphalt-paved area with large piles of neatly-stacked lumber. Surface staining was observed in the area.

***Area 2* - Acquisitions Investments, Inc.**

Area 2 was used for double-decker tour bus parking. More than ten double-decker buses were observed parked on the asphalt-paved lot. One 20-yard waste container was also observed. Mr. Quintero informed AKRF personnel that no fuel tanks exist in this area; the buses are fueled by a fuel truck. Minor bus repair, however, was reportedly performed in this area; stained surfaces were observed.

***Area 3* - Trochom Construction Corp.**

Trochom Construction Corp used Area 3 for the storage of materials used to repair streets. The portion of Area 3 located north of Area 2 consists of an asphalt-paved parking area. Several cars and contractor's materials were stored in this area. A small wooden shack, formerly used by longshoremen, was located in this area.

The portion of Area 3 located south of Area 6 consisted of a paved, flat area. Surface staining was observed in several areas. One stream roller, one street cleaner, pipes, steel mesh, traffic lights and other street-related materials were stored in this area. 55-gallon drums of water based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed stored in this area. One thirty cubic yard container of wood waste was located in this portion of Area 3.

***Area 4* - Bay Crane Service, Inc.**

Area 4 was used for the storage of large cranes and other large construction equipment. The area consisted of a paved lot.

***Area 5* - River Hauling, Inc.**

River Hauling, Inc. arranges for the temporary storage and transport of very large items, including new storage tanks, heating, ventilation and air conditioning (HVAC) equipment, and computer equipment. The portion of Area 5 located north of Area 4 consisted of a flat paved lot. This portion of Area 5 was used to store HVAC equipment. The portion of Area 5 located east of Area 12 consisted of a paved lot. Surface staining was observed in several locations. This area was used for truck parking and to store HVAC units, lumber, computer equipment, metal storage cubes, computer equipment and storage tanks. Several fork lifts and 55-gallon drums of transformer fluid were observed in this portion of Area 5. Three large trailer offices were located on the property. A 20-cubic yard waste container was also located in this area.

***Area 6* - Safway Steel Products, Inc.**

Safway Steel Products, Inc. and Spring Scaffolding used Area 6 to store materials used to construct scaffolding, including steel poles and corrugated metal sheets. A trailer office, a corrugated metal shed, fork lifts, and one 20-cubic yard water container filled with household debris, wood and scaffolding netting were observed in Area 6. Area 6 was paved with asphalt.

***Area 7* - Hylan Electrical Contracting, Inc.**

Hylan Electrical Contracting, Inc. installs cable and computer fiber optic cabling. Area 7, a paved lot, was used to store large spools of cable, pony generators, trucks, 55-gallon drums of fiber optic cable lubricator, and metal storage cubes. Several fork lifts were observed in Area 7.

***Area 8* - Far Better Towing, Inc. and R-D Towing Corp.**

Far Better Towing, Inc. and R-D Towing Corp. tow and impound cars and hold car auctions. The paved lot was filled with parked cars. A trailer office and a one-story brick auto-repair shop were observed near the entrance to Area 8 (at the intersection of Franklin and Dupont Streets). The one-story building contained brick walls, concrete floors and a wood ceiling. The roof was not inspected. The structure contained one hydraulic car lift system, tools, tires, and car parts. One 55-gallon drum of diesel fuel was observed in this building and three more were observed outside of the building. An employee of Far Better Towing, Inc. informed AKRF personnel that oil and tires are changed and minor repairs occur on-site. No vehicles were reportedly fueled on the property. Piles of trash, tires, car parts, a tank of carbon dioxide gas and one 275-gallon abandoned aboveground storage tank were observed surrounding the trailer and the one-story structure.

***Area 9* - New York City Housing Authority**

Area 9 was inaccessible at the time of inspection. An eight-foot high chain link fence with a locking gate bounded the property on all sides. From a public sidewalk, AKRF personnel observed several metal storage cubes, a trailer office, and trucks and cars parked on a paved lot.

***Area 10* - Henkels & McCoy, Inc.**

Henkles & McCoy, Inc. are construction contractors. The paved lot was nearly empty, except for cars, one front end loader, several pipes and a two cubic yard waste container.

***Area 11* - Supreme Trucking, Inc.**

Supreme Trucking, Inc. arranges for the transport of large items. Several large closed cargo truck and cabs and two fork lifts were parked in this area. An employee of Supreme Trucking, Inc. informed AKRF personnel that minor auto repair, truck washing and tire changes were performed on the property. Several 55-gallon drums of lube oil were observed on Area 11.

***Area 12* - MWK Transport, Inc. / SJK Transport**

MWK Transport, Inc./SJK Transport arranges for the transport of large items. Area 12 was inaccessible at the time of inspection. An eight-foot high chain link fence with a locking gate bounded the property on all sides. From a public sidewalk, AKRF personnel observed one metal storage cube and several trucks and cars parked on a paved lot.

***Area 13* - Spring Scaffolding**

Spring Scaffolding is the tenant of Area 5, however, they only use the area to store scaffolding materials when they are conducting high volumes of business. At the time of inspection, this area appeared to be being used by River Hauling for the storage of large items.

2.2 Topography and Hydrogeology

The surface topography slopes down to the north towards Newtown Creek and to the west towards the East River. Based on reports compiled by the U.S. Geological Survey, the property lies at an elevations ranging from approximately five to fifteen feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). The approximate depth to bedrock is 50 feet below the surface, with groundwater most likely situated approximately five to fifteen feet below the surface. Groundwater most likely flows in a northerly direction toward Newtown Creek and/or in a westerly direction towards the East River. However, actual groundwater flow at the site can be affected by many factors, including past filling activities, underground utilities and other subsurface openings, tidal fluctuations, and other factors beyond the scope of this study. Groundwater in Brooklyn is not used as a source of potable water.

2.3 Storage Tanks

2.3.1 Underground Storage Tanks (USTs)

During site inspection, one fuel pump was observed outside of the two-story office building in Area 1. Two 550-gallon gasoline tanks were reportedly associated with this pump. New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing a gasoline tank located at the northwest corner of a two-story brick building, a 1938 Permit to install one 550-gallon gasoline tank and one fuel pump, and a 1957 record showing one 550-gallon fuel oil tank within a two-story building. Gasoline tanks are almost always required to be installed underground. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988. It is unknown whether these potential tanks were located aboveground or underground.

Off-site USTs are discussed in Sections 4.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

One 550-gallon fuel oil tank was reportedly located behind a brick and concrete wall adjacent to the boiler room in the two-story office building in Area 1. One 275-gallon aboveground storage tank of hydraulic oil and one 275-gallon aboveground storage tank of motor oil were observed against the eastern wall of the corrugated metal garage structure in Area 1. An abandoned 275-gallon aboveground storage tank was observed behind an office trailer in Area 8. The tenant of Area 5 arranges for the transport of storage tanks; several new storage tanks were observed in this area.

New York City Buildings Department Block and Lot records for Block 2492, Lot 1 included a record showing one 550-gallon fuel oil tank within a two-story building. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988. It is unknown whether these potential tanks were located aboveground or underground.

2.4 Polychlorinated Biphenyls (PCBs)

Prior to 1979, PCBs were widely used for their cooling properties in electrical equipment such as transformers, capacitors, switches, and voltage regulators. No known transformers are currently located on-site.

Transformers were observed in Areas 1 and 7. Hydraulic oil associated with fork lifts (observed in many Areas of the property) would not be expected to contain PCBs. Fluorescent lighting fixtures observed in the corrugated metal garage in Area 1 may include PCB-containing components, including capacitors and potting compounds. There was no observed evidence of leaks or stains from these lighting fixtures and they do not currently present a potential hazard to building occupants.

2.5 Asbestos-Containing Materials (ACMs)

The United States Occupational Safety and Health Administration (OSHA) has amended Part 1910 to Title 29 of the Code of Federal Regulations which addresses occupational exposure to asbestos. The final rule, applicable to general industry (29 CFR 1910.1001), construction (29 CFR 1926.1101, previously 1926.58), and the shipyard industry (29 CFR 1915.1001) became effective on October 1, 1995. All thermal systems insulation; sprayed-on, troweled-on or otherwise applied surfacing materials (including decorative plaster, acoustical materials, and fireproofing); asphalt; and vinyl flooring materials in buildings constructed prior to 1981 are presumed to contain asbestos unless proven otherwise.

The regulation requires owners of buildings to inform housekeeping, custodial and maintenance workers of the presence, location, and quantity of confirmed or presumed asbestos that they may come into contact with or disturb in the course of their work activities. These employees and/or employers of employees must receive asbestos awareness training each year at no expense to them. Building owners must provide appropriate warning signs and labels, as defined specifically in the regulation, and meet certain requirements on the care of these surfaces (such as resilient floor coverings). An Operations and Maintenance Plan is recommended for buildings built prior to 1981 that have not been proven to be free of asbestos. Building owners must

maintain records concerning the presence, location, and quantity of known or suspected ACMs for the duration of ownership and transfer these records to successive owners.

Mimi Sotiriou, a New York State licensed asbestos inspector, conducted a limited visual inspection for potential asbestos-containing materials in the accessible areas on-site. Asbestos is typically found in the form of friable or non-friable materials. Friable materials are those which can be crushed or reduced to a powder by hand pressure and, as such, are associated with a higher risk of producing potentially hazardous dust. Conversely, non-friable materials (such as older vinyl floor tiles or built-up roofing materials) do not typically produce significant amounts of asbestos dust while intact. As such, non-friable materials do not constitute a threat to health and may remain in place unless they will be disturbed by renovation activities.

Suspect asbestos-containing materials were observed in the two-story office building in Area 1 during site inspection. Thermal pipe insulation and boiler insulation were observed in the boiler room. Spray-on fire proofing was observed on the ceiling of the storage room. Several colors of 9" and 12" vinyl floor tiles and 1'x1' and 2'x4' ceiling tiles were also observed. The roof of this structure was not accessible at the time of inspection, however, Mr. Doyle was unaware of any roof replacement activities, only patching activities.

No suspect asbestos-containing materials were observed during site inspection in the corrugated metal garage or in the small guard shed in Area 1. No suspect asbestos-containing materials were observed in the one-story brick auto repair shop in Area 8 during site inspection. The roofs of these buildings were not accessible at the time of inspection. It should be noted that older flat roofs composed of tar paper materials are typically constructed of multiple layers, some of which may consist of asbestos- containing materials.

2.6 Lead Paint

The use of lead paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Since the current two-story brick office building on Area 1 was reportedly completed prior to 1887 and the current corrugated metal garage also on Area 1 was reportedly completed prior to 1965, lead-based paint may be present in the buildings. It is unknown when the one-story guard building in Area 1 and the one-story auto repair building in Area 8 were constructed; it will be assumed that it was prior to 1977. Lead paint is potentially hazardous when in a deteriorating condition (i.e., chipped, broken, crumbling, pulverized); lead is potentially harmful to humans, particularly children, if ingested, inhaled, or otherwise absorbed.

Painted surfaces observed in the two-story brick office building, the corrugated metal garage and the small guard shed located in Area 1 and small one-story brick auto repair shop located in Area 8 were in good condition.

2.7 Utilities

Keyspan and Consolidated Edison provides natural gas and electricity, respectively, to the three on-site structures. Municipal water and sewage services are provided to the property.

2.8 Waste Management and Chemical Handling

Any wastes produced by tenants are collected and removed from the property by private haulers. 55-gallon drums of several different petroleum and other products were observed throughout the property, as were larger dumpsters (20- and 30-cubic yard). Stained surfaces, indicative of poor chemical handling, were observed in most Areas of the property.

2.9 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products which include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the Bureau of Radiation Protection, a division of the New York State Department of Health, Kings County (Brooklyn) has one of the lower average levels of basement radon measurements in New York State, 1.9 picocuries/liter. The US EPA recommended action level is 4.0 picocuries/liter.

3.0 ADJACENT LAND USE

The subject property is located in a mixed-use residential, commercial and industrial area of Brooklyn. An envelope factory was observed directly south-adjacent to Areas 1, 2 and 3. Industrial structures and lofts (some have been converted to residences) were observed on blocks east of West and Franklin Streets. A playground was observed west and south of Commercial Street. A baseball diamond was observed adjacent to Areas 1, 9 and 10 on the property. A paved lot used for parking and storage was observed east of Area 5. And Newtown Creek and the East River were located north and west of the property, respectively.

4.0 SITE HISTORY AND RECORDS REVIEW

4.1 Prior Ownership and Usage

4.1.1 Historical Land-Use Maps

Historical insurance maps were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the subject property. Specifically, Sanborn Fire Insurance maps from 1887, 1905, 1916, 1942, 1951, 1965, 1979, 1989, and 2000 were reviewed. Copies of portions of these maps are included in Appendix B.

1887

Sanborn Maps from 1887 indicated Block 2520, Lot 57 and Block 2510 to be occupied by New York Dye-Wood Extract and Chemical Company. Block 2520, Lot 57 was used for logwood storage and was shown to contain a two-story structure used for wagon and pattern storage in the eastern portion of the Lot, where the current two-story brick building is located in Area 1. Block 2510 was shown to contain a large logwood storage shed, a small oil storage shed, an area with 15 wooden dye tanks, a tank house, and storage, cutting and manufacturing buildings.

The southwestern portion of Block 2502 was shown to contain A. K. Meserole & Company - a mason material and coal storage yard. The remainder of Block 2502 and the southern portion of Block 2472 were shown to be occupied by C. Winant's Spar Yard. Church and Reeves Lumber Yard was indicated on the eastern portion of Block 2472. Finally, Block 2494, Lot 1 was shown to be vacant, except for a residence hall and two dwellings located near Franklin Street. The remainder of Block 2494, Lot 1 was shown to be vacant.

A lumber yard was indicated south-adjacent to the subject property on Block 2520. A sugar refining company was indicated east-adjacent to Block 2472. Vacant land, residential buildings, a piano manufacturer, a veneer factory, a machine shop, and a lubricator factory were indicated south of Commercial Street and east of West Street on the subject property.

1905

Sanborn Maps from 1905 indicated Block 2520, Lot 57 and Block 2510 to continue to be occupied by New York Dye-wood Extract and Chemical Company. Block 2502 and the southern portion of Block 2472 were shown to be occupied by Nesmith and Constantine Log Storage Yard, a two-story lumber shed belonging to P.M. Dingee & Sons (at the corner of Freeman and West Streets), and a small mahogany storage yard (at the intersection of Eagle and West Streets) which extended onto Block 2494. The remainder of Block 2472 was shown to be occupied by Bergen & Company Lumber Yard and by the O'Rourke Engineering Construction Company. Finally, Block 2494, Lot 1 was shown to contain the International Mahogany Company at the intersection of Eagle and West Streets and two dwellings and a store fronting Franklin Street. The remainder of Block 2494, Lot 1 was shown to be vacant.

A mahogany and veneer yard was indicated south-adjacent to the subject property on Block 2520. A sugar refining company was indicated east-adjacent to Block 2472. Vacant land, residential buildings, a lubricator factory and an iron works were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

1916

Sanborn Maps from 1916 indicated Block 2520, Lot 57 and Block 2510 to be occupied by New York Quebracho Extract Company. Several storage shed, a cooperage, a wagon house, several industrial buildings, a tank room, and two areas shown to contain dye wood tanks and logwood tanks were associated with this company. It should be noted that much of the writing on these maps was illegible. The southeastern corner of Block 2502 was shown to be occupied by Export Auto Case Company, a manufacturer and packing facility; the remainder of the block was shown to be vacant. Block 2472 was shown to be occupied by Bergen & Company Lumber Yard, a portion of the New York State Barge Canal Terminal, a portion of Alberene Stone Company Tub Storage, and by vacant land. Finally, Block 2494, Lot 1 was shown to contain a dwelling at the intersection of Eagle and West Streets and a garage and auto repair shop with a pump house and an underground gasoline tank at the intersection of Dupont and Franklin Streets. The remainder of the Lot was shown to be vacant.

A lumber company was indicated south-adjacent to the subject property on Block 2520. West Street Improvement Company was indicated east-adjacent to Block 2472; two large tanks of unknown contents were indicated on the western property boundary. Vacant land, residential buildings, a machine shop, a display fixtures factory, and a plating and machine store were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

1942

Sanborn Maps from 1942 indicated Block 2520, Lot 57 and Block 2510 to be occupied by Lumber Exchange Terminal, Inc. A small two-story structure and a large one- to two-story lumber shed were indicated on Lot 57. A gas tank was shown to be located adjacent to the two-story building. Block 2502 was shown to be vacant. Block 2472 was shown to contain the New York State Canal Terminal, Greenpoint Coal Docks, Inc., and vacant land. Finally, Block 2494, Lot 1 was shown to be vacant except for a lumber shed fronting Franklin Street.

Vacant land was indicated south-adjacent to the subject property on Block 2520. Brooklyn and Queens Transit Corporation Trolley Car Storage was indicated east-adjacent to Block 2472. A steam laundry was indicated adjacent to the subject property on Block 2494. Vacant land, residential and commercial buildings, industrial structures, and two garages were indicated south of Commercial Street and east of West Street on the subject property. A store with four gasoline tanks was indicated at the intersection of Clay and Commercial Streets. No further significant changes were indicated for the subject property or for the surrounding area.

1951

Sanborn Maps from 1951 indicated Block 2520, Lot 57, Block 2510, Block 2502, Block 2494 and the southwestern portion of Block 2472 to be occupied by Lumber Exchange Terminal, Inc. The northeastern portion of Block 2472 was shown to contain Greenpoint Coal Docks, Inc. The New York State Canal Terminal occupied a pier off of Block 2472.

Vacant land was indicated south-adjacent to the subject property on Block 2520. Brooklyn and Queens Transit Corporation Trolley Car Storage was indicated east-adjacent to Block 2472. A steam laundry was indicated adjacent to the subject property on Block 2494. Vacant land, residential and commercial buildings, industrial structures, a sheet metal works, display fixture manufacturing, and a public park were indicated south of Commercial Street and east of West Street on the subject property. A store with four gasoline tanks was indicated at the intersection

of Clay and Commercial Streets. No further significant changes were indicated for the subject property or for the surrounding area.

1965

Sanborn Maps from 1965 indicated Block 2520, Lot 57; Block 2510; Block 2494, and Block 2502; Block 2472, Lots 2, 32, 100, 410 and 425 to be occupied by Lumber Exchange Terminal, Inc. The majority of the property was shown to be used for lumber storage. A shed (approximately the same size as the current corrugated metal garage located in Area 1) was shown to have replaced the larger shed shown in the 1951 Map. The New York State Canal Terminal occupied a pier off of Block 2472.

Vacant land and four dry cement tanks were indicated south-adjacent to the subject property on Block 2520. The New York City Transit System Crosstown Depot was indicated east-adjacent to Block 2472. A steam laundry was indicated adjacent to the subject property on Block 2494. Residential and commercial buildings, industrial structures, a sheet metal works, a display fixture manufacturing facility, and a public park were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

1979

Sanborn Maps from 1979 indicated Block 2520, Lot 57; Block 2510; Block 2494, and Block 2502; Block 2472, Lots 2, 32, 100, 410 and 425 to be occupied by Lumber Exchange Terminal, Inc.

A two-story structure labeled 'Metal Products' and a two- to three-story manufacturing and commercial structure were indicated south-adjacent to the subject property on Block 2520. The New York City Transit System Crosstown Depot was indicated east-adjacent to Block 2472. In addition to the steam laundry, a sludge tank was indicated on Block 2474. Vacant land, residential and commercial buildings, industrial structures, manufacturing facilities, and a public park were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

1989

Sanborn Maps from 1989 indicated Block 2520, Lot 57; Block 2510; Block 2494, and Block 2502; Block 2472, Lots 2, 32, 100, 410 and 425 to be occupied by Lumber Exchange Terminal, Inc.

A two-story structure labeled 'Devon Lithography, Inc.' and a two- to three-story manufacturing and commercial structure were indicated south-adjacent to the subject property on Block 2520. The New York City Transit System Crosstown Depot was indicated east-adjacent to Block 2472. A steam laundry and a sludge tank were indicated on Block 2474. Vacant land, residential and commercial buildings, industrial structures, manufacturing facilities, and a public park were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

2000

Sanborn Maps from 2000 indicated Block 2520, Lot 57; Block 2510; Block 2494, and the southwestern portion of Block 2472 to be occupied by Lumber Exchange Terminal, Inc. The

northeastern portion of Block 2472 was shown to contain Two Guy's Towing and Auto Repair and a parking lot.

Vacant land, residential and commercial buildings, industrial structures, manufacturing facilities, a steam laundry, a sludge storage tank, and a public park were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

To summarize, the Sanborn maps indicate that the subject property was developed prior to 1887 and has maintained its industrial functions for more than 110 years. Construction for the current two-story brick office building on Area 1 was reportedly completed prior to 1887. Construction for the current corrugated metal garage also on Area 1 was reportedly completed prior to 1965. Block 2520, Lot 57 and Block 2510 reportedly contained the New York Dye - Wood Extract and Chemical Company ca 1887 through ca. 1905; the New York Quebracho Extract Company ca. 1916; and the Lumber Exchange Terminal, Inc. ca. 1942 through ca. 2000. Block 2502 reportedly contained A.K. Meserole & Company (a mason material and coal storage yard) and a portion of C. Winant's Spar Company ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard and a two-story lumber shed belonging to P.M. Dingee & Sons ca. 1905; Export Auto Case Company and vacant land ca. 1916; vacant land ca. 1942; and the Lumber Exchange Terminal, Inc. ca. 1951 through ca. 2000. Block 2472 was shown to contain a portion of C. Winant's Spar Company and Church and Reeves Lumber Yard ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard, the Bergen & Company Lumber Yard and the O'Rourke Engineering Construction Company ca. 1905; the Bergen & Company Lumber Yard, a portion of the New York State Barge Canal Terminal; a portion of Alberene Stone Company Tub Storage and vacant land ca. 1916; the New York State Canal Terminal, Greenpoint Coal Docks, Inc. and vacant land ca. 1942 through ca. 1951; and the Lumber Exchange Terminal, Inc. ca. 1965 through ca. 2000. Sanborn Maps from the year 2000 indicated Block 2472 to also contain Two Guys Towing and Auto Repair and a parking lot. Block 2494, Lot 1 was shown to contain dwellings and stores ca. 1887 through ca. 1905; a garage and repair shop with a tank house and an underground storage tank ca. 1916; vacant land ca. 1951; and the Lumber Exchange Terminal ca. 1965 through 2000.

4.1.2 Historical Aerial Photographs

Complete and thorough coverage was available for the subject property utilizing historical land-use maps. The maps typically include detailed information such as dates of construction, building occupants or a vacant status, and use and/or zoning use of structures on the site and surrounding area. Aerial photographs would most likely not provide additional, unique information that is pertinent to the environmental condition of the property. As such, aerial photographs were not reviewed for the project site.

4.1.4 Site Interviews

Mr. John Doyle, a 40-year employee of Lumber Exchange Terminal, Inc. and Mr. Ramon Quintero, a 19-year employee of Lumber Exchange Terminal, Inc. toured AKRF personnel during site inspection and answered all pertinent questions. Mr. Doyle stated that the Lumber Exchange Terminal property was assembled mostly in the 1930's and has served as a lumber yard until the 1980's, when the owner began to phase out lumber yard operations and began leasing portions of the property to industrial tenants, mainly for use as contractor's storage

yards. Mr. Doyle also stated that lumber was never pressure treated in the yard; it was simply stored, cut, and bundled for transport. To his knowledge, the only storage tanks on the property are two 550-gallon underground gasoline tanks associated with the pump in Area 1; one 550-gallon aboveground fuel oil tank associated with the two-story brick office building in Area 1; one 275-gallon aboveground storage tank of hydraulic oil and one 275-gallon aboveground storage tank of motor oil associated with the corrugated metal garage in Area 1; and one abandoned 275-gallon aboveground storage tank in Area 8. Additionally, Mr. Doyle stated that there were three mailing addresses that he knew for the property: 171 West Street, 237 Franklin Street, and 37 Commercial Street. These were the addresses used to search New York City Fire Department records. For more information, please see Section 2.0.

4.2 Regulatory Review

Toxics Targeting, Inc. of Ithaca, New York, was contracted to obtain information regarding the regulatory status of the property and the surrounding area. This information included records from databases maintained by the US EPA and New York State Department of Environmental Conservation (NYS DEC). AKRF reviewed these records to identify the use, generation, storage, treatment and/or disposal of hazardous materials and chemicals, or releases of such materials which may impact the project site. Copies of the pertinent sections of the Toxics Targeting, Inc. report are included in Appendix C.

4.2.1 Federal

The federal records reviewed included the National Priority List (NPL) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); and the US EPA Civil Enforcement Docket. The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

National Priority List (NPL)

The NPL is the US EPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

No NPL sites were identified within a one-mile radius of the project site.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the US EPA has investigated, or plans to investigate, for a release or threatened release of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the US EPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus impacting property values.

One CERCLIS sites was reported within a one-mile radius of the subject property. Brooklyn Union Gas / Williamsburgh Works, located at the intersection of Kent Avenue and North 12th Street, approximately 3,265 feet southeast of the subject property, is the location of a former manufactured gas plant. One of the byproducts produced during operation of the plant was a hydrocarbon tar, which was temporarily stored on the site until sold for use in roofing or road surfacing. This site was given a No Further Remediation Action Planned (NFRAP) listing. Furthermore, this site is located greater than a half-mile away from the subject property and any contamination would be expected to flow towards the East River.

Emergency Response Notification System (ERNS)

This federal database compiled by the Emergency Response Notification System records and stores information on reported releases of petroleum and other potentially hazardous substances.

The subject property is not currently listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the US EPA and/or NYS DEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. The TRIS was mandated by Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Available information includes the maximum amount of chemicals stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on the transfer of chemicals off-site.

One TRIS sites was identified within a one-eighth mile radius of the project site. Liquimark, located at 19 Clay Street, approximately 410 feet northeast of the subject property, was listed in this database, however, no chemical information was provided.

Permit Compliance System of Toxic Wastewater Discharges (WWD)

This federal- and state- maintained database contains a listing of sites which discharge wastewater containing potentially hazardous chemicals.

No WWD facilities were reported within a one-eighth mile radius of the subject property.

United States Environmental Protection Agency Civil Enforcement Docket

This database is the US EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice.

No facilities are listed in the US EPA's Civil Enforcement Docket within a one-eighth mile radius of the subject property.

4.2.2 State

The state records reviewed included the listings of hazardous material spills (SPILLS), Resource Conservation and Recovery Act Notifiers (RCRA), Chemical Bulk Storage (CBS), Solid Waste Facilities (SWF), Petroleum Bulk Storage (PBS), State Inactive Hazardous Waste Disposal Sites (SHWS), Major Oil Storage Facilities (MOSF), and Air Discharge Facilities (ADF).

New York SPILLS Database

The New York SPILLS database includes a list of releases reported to the NYS DEC, including those attributed to tank test failures and tank failures. The tank test failures list only covers tanks that are below ground, while the tank failures list includes tanks that are either below or above ground. This database also lists spills that occur during the transportation of chemicals.

Sixty-five releases were reported within a quarter of a mile radius of the subject property, thirty three of which were within one-eighth of a mile. The closest active release involved the report of an one pint of unknown petroleum on three gallons of water in Manhole # 4273, located at the intersection of Freeman Street and West Street in April of 2000. The majority of other active spills reported within 450 feet of the subject property are either tank test failures or reports of discoveries of petroleum in manholes. These releases typically involve less than one gallon of spilled material, and most occurred aboveground and have been cleaned up with due diligence. Most small quantity on-land releases do not spread beyond the directly adjacent properties, and they are often contained within the immediate vicinity of the spill. As such, none of the listings for the surrounding area would be expected to have significantly affected the subject property.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYS DEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and large-quantity generators; and transporters of hazardous waste regulated under RCRA. The discussion below includes the CORRACTS listings (if any) of facilities which are subject to corrective action under RCRA.

One TSD facilities was identified within a one-mile radius of the subject area. Ten RCRA generators were listed within a one-eighth mile radius of the project site. Several of these industrial facilities with known generation of hazardous wastes (including halogenated solvents) are located up-gradient with respect to groundwater to the subject property. Several facilities have Class One RCRA violations, indicating releases may have occurred. Groundwater quality may have been impaired by these operations.

Kosan Industrial Corp., a treatment, storage and disposal facility located at 5-49 49th Avenue, is located north of Newtown Creek in Long Island City, therefore, it would not be expected to affect the subject property.

The following generators were listed within one-eighth mile of the subject property:

- NuHart Company, located at 49 Dupont Street, at the intersection of Franklin Street, across the street from the subject property, was listed twice as a Large Quantity Generator of Solid Wastes that exhibits the characteristics of ignitability and corrosivity, barium, spent halogenated solvents, and formaldehyde in 1990 and 1997. One Class One and one Class Two violation were listed for this facility;
- Consolidated Edison, located at 7466-7489 Huron Street, approximately 190 feet southeast of the subject property, was listed as a generator of lead in 1997;
- New York City Transit Authority, located at 65 Commercial Street, northeast adjacent to the subject property, was listed as a Large Quantity Generator of spent non-halogenated solvents, spent halogenated solvents; solid waste that exhibits the characteristic of ignitability, lead and benzene in 1992, 1993, 1996 and 1998. Two Class One violations were listed for this facility;
- Liquimark, located at 71 Green Street, approximately 205 feet southeast of the subject property, was listed in this database for generating solid waste that exhibits the characteristic

of corrosivity and spent non-halogenated solvents in 1994. Nine Class One violations were reported for this facility;

- Harte & Company, Inc., located at 77 Commercial Street, approximately 225 feet northeast of the subject property, was listed in this database as a Large Quantity Generator, however, no chemical information was provided;
- Pat & Doms Body & Fender Repair, located at 246 Franklin Street, approximately 300 feet east of the subject property, was listed as a Small Quantity Generator of five different kinds of waste in 1990;
- Huxley Envelope Corporation, located at 145 West Street, approximately 332 feet to the southeast of the subject property, was listed as a Large Quantity Generator of spent halogenated solvents used in degreasing in 1994. One Class One violation was reported for this facility;
- Interflo Technologies, located at 19 Clay Street, approximately 400 feet northeast of the subject property, was listed in this database for having generated four different kinds of waste in 1994 and 1995. Twenty-four violations were reported for this facility; and
- Electrical Precision Mete, located at 214 Franklin Street, approximately 470 feet southeast of the subject property, was listed in this database, however, not hazardous waste information was provided.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

No CBS facilities were identified within a one-eighth mile radius of the subject property.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites that manage solid waste.

Fourteen SWFs were reported within a one-mile radius of the project site, the closest of which was DH Farney Contractors, Inc., located at 5502 Sencond Street, approximately 1270 feet north of the subject property. This facility was listed as a Large Transfer Station of residential waste. No waste is stored or disposed at transfer stations; waste is mainly transferred from small garbage trucks to larger vehicles for transportation to a landfill, recycling center or incinerator. These facilities are, therefore, unlikely to affect soil or groundwater conditions at the project site.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground in excess of 1,100 gallons and less than 400,000 gallons.

Eleven PBS listings were reported within an eighth of a mile radius of the subject property, three of which are in the immediate vicinity. The closest three listings for bulk petroleum storage are summarized below:

- Eagle Street Association, located at 48 Eagle Street, directly across the street from the subject property, was listed as having two 10,000-gallon and one 6,000-gallon, closed-in-place, underground, #1, 2 or 4 fuel oil tanks;

- Rialto Products, Inc., located at 61-65 Green Street, directly across West Street from the subject property, was listed as having one, in-service, 2,000-gallon vaulted underground, #1, 2 or 4 fuel oil tank; and
- Deven Lithographers, Inc., located at 15 Huron Street, directly south-adjacent to the subject property on Block 2520, was listed as having one 5,000-gallon, underground, #1, 2 or 4 fuel oil tank.

It should also be noted that the Crosstown Bus Depot, located directly northeast-adjacent to the subject property, was listed as having seven closed underground and aboveground storage tanks with a total capacity of 18,320 gallons. This depot is located cross-gradient from the subject property with respect to groundwater and would therefore be less likely to have affected the subject property unless very large unreported releases occurred.

During site inspection, one 275-gallon aboveground storage tank of hydraulic oil and one 275-gallon aboveground storage tank of motor oil were observed in the corrugated metal garage in Area 1 and one abandoned 275-gallon aboveground storage tank was observed behind an office trailer in Area 8. Mr. Doyle reported that two 550-gallon underground gasoline tanks were associated with the fuel pump in Area 1 and one 550-gallon aboveground fuel oil tank was associated with the two-story brick office building in Area 1. The fuel oil tank was not observed during site inspection.

New York City Fire Department computerized records did not list any motor vehicle fuel tank of heating oil tanks for the subject property. New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing a gasoline tank located at the northwest corner of a two-story brick building, and a 1938 Permit to install one 550-gallon gasoline tank and one fuel pump. New York City Buildings Department Block and Lot records for Block 2492, Lot 1 included a record showing one 550-gallon fuel oil tank within a two-story building. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

This database maintains information and aids decision-making regarding the investigation and clean-up of hazardous sites. The Registry's information includes the clean-up status, type of clean-up, types and quantities of contaminants involved, and the assessment of health and environmental concerns.

Six State listed inactive Hazardous Waste Sites were reported within a one-mile radius of the project site, however, all of these are located greater than one-half mile away from the subject property and are, therefore, unlikely to be of concern.

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels, with petroleum storage capacities of 400,000 gallons or more.

Eight MOSFs were reported within a 1-mile radius of the project site, however, all are located either in Long Island City (across Newtown Creek) or greater than one-half mile away from the subject property and are, therefore, not of concern.

Air Discharge Facilities Index (ADF)

This listing of sites tracked by the New York State Regulatory Compliance Information System includes address information on each facility and the source of its associated air emissions.

Twelve ADF listings were reported within a one-eighth mile radius of the subject property. The closest three listings are summarized below:

- Courier Packaging, Inc, at both 220 West Street and 48 Eagle Street, was listed as having the potential to release volatile organic compounds. The address listed for this facility, 220 West Street, would place it in Area 8 of the subject property, however, Courier Packaging, Inc. is not currently a tenant of the property. Therefore, the facility is likely located at 48 Eagle Street, directly across the street from the subject property;
- Consolidated Laundries; located at 32-48 Eagle Street, adjacent to Area 8 on the subject property, was listed in this database, however, no further information was provided; and
- NuHart & Company, located at 49 Dupont Street, approximately 40 feet northeast of the subject property, was listed twice in this database as having the actual or potential emissions of volatile organic compounds above the applicable major source thresholds. This facility was reportedly in violation with regard to procedural compliance.

4.2.3 Local

Records maintained by the New York City Fire and Buildings Departments were investigated to determine the potential presence of hazardous materials. These records typically include fuel oil, gasoline and waste oil tank installation applications and permits and records of prior uses. Mr. Doyle stated that there were three mailing addresses that he knew for the property: 171 West Street, 237 Franklin Street, and 37 Commercial Street. These were the addressed used to search New York City Fire Department records. Buildings Department records were requested for Block and Lots of the subject property, however, the following computerized records were available: Block 2472, Lot 410; Block 2492, Lot 1; Block 2510, Lot 1; and Block 2520, Lot 57. The following Block and Lot folders were available for review: Block 2494, Lot 1; Block 2502, Lot 1; and Block 2520, Lot 57. Copies of pertinent legible information are included in Appendix D.

New York City Fire Department computerized records did not list any motor vehicle fuel tank of heating oil tanks for the subject property.

New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included an 1890 blue print for the construction of a brick building, a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing a gasoline tank located at the northwest corner of a two-story brick building, a 1938 Permit to install one 550-gallon gasoline tank and one fuel pump, and a 1935 New Building Permit to construct a garage.

New York City Buildings Department Block and Lot records for Block 2492, Lot 1 included a record showing one 550-gallon fuel oil tank within a two-story building. This record indicated the property to be occupied by the Greenpoint Lumber Exchange.

New York City Buildings Department Block 2502, Lot 1 included a 1936 Demolition Permit for a frame dwelling house shown on the southeast corner of the block. This Permit was addressed to the Newtown Creek Coal and Coke Company, Inc.

New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of our investigation, there appears to be a high potential for environmental impairments. The following concerns are noted:

The regulatory databases, Fire Department records, historical land-use atlases, and the visual site inspection indicate that the subject property has over a 100-year history of industrial use related primarily to the lumber and coal industries. Lumber Exchange Terminal, Inc, the current owner of the property, reportedly assembled the property in the 1930s, 1940s and 1950s. The owner began to phase out lumber yard operations in the 1980's when he began leasing portions of the property to industrial tenants, mainly for use as contractor's storage yards. Currently, only a small portion of the property remains occupied by Lumber Exchange Terminal, Inc. For the purpose of clarity, each Tax Block will be discussed individually (See Figure 2), and then potential environmental impairments located outside of the subject property will be discussed.

- **Tax Block 2520, Lot 57** - This portion of the property was historically occupied by a portion of the New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (also located on Block 2510); it was used for logwood, wagon and pattern storage. This Lot was also occupied by a portion of the New York Quebracho Extract Company ca. 1916 (also located on Block 2510); it contained a cooperage and a wagon house. Quebracho is a natural bark extract, rich in tannins, which is used to treat leather. Although quebracho is an organic substance, the process used to extract it may have involved the use or generation of hazardous materials or wastes. However, it appears this portion of the business was used more for storage than for manufacturing. Block 2520, Lot 57 was occupied by Lumber Exchange Terminal Inc. prior to 1942 through the present (Area 1 - Areas are shown in Figure 2). Other tenants currently occupying the Lot include Acquisitions Investment, Inc. (Area 2 - used for bus parking and minor repair) and Trochom Construction Corporation (a portion of Area 3 - used for auto parking and contractor's materials storage). This portion of the property currently contains a two-story brick office building (which first appeared on Sanborn Maps in 1887), a large corrugated metal garage (which first appeared on Sanborn Maps in 1965), and a small guard shed near the Green Street entrance. Surface staining was observed in Areas 1, 2, and 3. 20- and 30-cubic yard waste containers were observed in Areas 2 and 3, respectively.

  Suspect asbestos-containing materials, including boiler insulation, pipe insulation, spray-on fire proofing, floor and ceiling tiles were observed in the two-story brick building during site inspection. The roof was inaccessible at the time of inspection, however, due to the age of the structure, it can be assumed to contain asbestos. This structure was reportedly heated by fuel oil located in one 550-gallon tank enclosed behind a brick wall near the boiler room. In addition, one fuel pump was observed outside of the two-story brick building, which was reportedly serviced by two 550-gallon underground gasoline tanks. New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing an underground gasoline tank located at the northwest corner of a two-story brick building, a 1938 Permit to install one 550-gallon underground gasoline tank and one fuel pump and a 1957 record showing one 550-gallon fuel oil tank within a two-story building. A search of computerized Fire Department records did not locate any heating or motor fuel oil records for the property.

The small guard shed may contain asbestos-containing and/or lead paint-containing materials, though none were observed during site inspection.

The eastern portion of the garage building was used primarily to store fork lifts and old car parts; the western portion of the garage was primarily used for the storage of car batteries, tires and tools. The area was illuminated with new-looking pole mounted fluorescent lights, however, old, ceiling mounted fluorescent lights (potentially with PCB-containing ballasts) were observed throughout the structure. One 275-gallon aboveground storage tank of hydraulic oil, one 275-gallon aboveground storage tank of motor oil and over twenty 55-gallon drums and several 5-gallon drums of petroleum products were observed in the eastern portion of the structure; several 55-gallon drums of lube oil and antifreeze and two oxygen and acetylene tanks were observed in the western portion. AKRF personnel were informed that auto and fork lift repair occurred in the areas directly east and west of the garage building. Severe surface staining and several 55-gallon drums of petroleum products were observed in these areas.

The fuel oil, gasoline, hydraulic oil and motor oil tanks; the 55- and 5-gallon containers of petroleum products; and the Block's current usage for auto repair could have contributed to petroleum contamination in soil and/or groundwater. The Block's former usage as a dye and chemical factory, as a quebracho extract company and as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site. Asbestos-containing and/or lead paint containing building materials could be present in the two-story brick office building and/or in the corrugated metal garage on the Block. Finally, mercury-containing fluorescent lights and/or PBC-containing ballasts could be present in lighting fixtures in on-site structures.

- **Tax Block 2510** - This portion of the property was historically occupied by a portion of the New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (also located on Block 2520, Lot 57); it contained a large logwood storage shed, a small oil storage shed, an area with 15 wooden dye tanks, a large tank house, and storage, cutting and manufacturing buildings. This Lot was also occupied by a portion of the New York Quebracho Extract Company ca. 1916 (also located on Block 2510); it contained several storage sheds and industrial buildings, a large tank room and two areas with dye wood tanks and logwood tanks. This portion of the business appeared to have been used both for manufacturing and for storage. Block 2510 was occupied by Lumber Exchange Terminal Inc. prior to 1942 through 1989. Tenants currently occupying the Block include Trochom Construction Corporation (a portion of Area 3 - used for contractor's materials storage), Bay Crane Services, Inc., (Area 4 - used for storage of cranes and other large construction vehicles), Safway Steel Products, Inc./ Spring Scaffolding (a portion of Area 6 - used for storage of scaffolding materials) and Hylan Electrical Contracting, Inc. (Area 7 - used for storage of materials used to install fiber optic cabling). 55-gallon drums of water-based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed in Area 3. Surface staining was also observed in Area 3. Generators, several fork lifts and 55-gallon drums of fiber optic cable lubricator were observed in Area 6. 20- and 30-cubic yard waste containers were observed in Areas 3 and 6, respectively.

  The 55- and 5-gallon containers of chemicals and petroleum products and the Block's former usage as a dye and chemical factory, as a quebracho extract company and as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site.

- **Tax Block 2502** - This portion of the property was historically occupied by A.K. Meserole & Company (a mason material and coal storage yard) and a portion of C. Winant's Spar Company ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard and a two-story lumber shed belonging to P.M. Dingee & Sons ca. 1905; Export Auto Case Company and vacant land ca. 1916; vacant land ca. 1942; and the Lumber Exchange Terminal, Inc. ca. 1951 through ca. 2000. Tenants currently occupying the Block include Trochom Construction Corporation (a portion of Area 3 - used for contractor's materials storage), River Hauling, Inc. (a portion of Area 5 - used for temporary storage and transport of large items), Safway Steel Products, Inc. (a portion of Area 6 - used for storage of scaffolding materials) and Far Better Towing, Inc. / R-D Towing Corporation (Area 8 - used for the storage of repossessed automobiles). 55-gallon drums of water-based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed in Area 3. Surface staining was observed in Areas 3 and 5. Pony generators, several fork lifts and 55-gallon drums of fiber optic cable lubricator were observed in Area 6. 20- and 30-cubic yard waste containers were observed in Areas 3 and 6.

  The 55-gallon containers of chemicals and petroleum products currently on-site and the Block's former usage as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Tax Block 2472, Lots 2, 32, 100, 410 and 425** - Block 2472 was historically occupied by a portion of C. Winant's Spar Company and Church and Reeves Lumber Yard ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard, the Bergen & Company Lumber Yard and the O'Rourke Engineering Construction Company ca. 1905; the Bergen & Company Lumber Yard, a portion of the New York State Barge Canal Terminal; a portion of Alberene Stone Company Tub Storage and vacant land ca. 1916; the New York State Canal Terminal, Greenpoint Coal Docks, Inc. and vacant land ca. 1942 through ca. 1951; and the Lumber Exchange Terminal, Inc. ca. 1965 through ca. 2000. Sanborn Maps from the year 2000 indicated Block 2472 to also contain Two Guys Towing and Auto Repair and a parking lot. Current tenants include Far Better Towing, Inc. / R-D Towing Corporation (a portion of Area 8 - used to park repossessed automobiles), Lumber Exchange Terminal, Inc. (a portion of Area 1 - used to store lumber), River Hauling, Inc. (a portion of Area 5 - used for temporary storage and transport of large items), New York City Housing Authority (Area 9 - used to park cars and store materials), Henkles & McCoy (Area 10 - used to park cars and store contractor's materials), Supreme Trucking (Area 11 - used for parking and minor repair large cargo trucks and for the staging of large items), MWK Transport, Inc./SJK Transport (Area 12 - used for truck parking and the storage of materials), and Spring Scaffolding (Area 13 - used to store scaffolding materials). Several fork lifts, 55-gallon drums of hydraulic oil, a 20-cubic yard waste container and surface staining in several areas were observed in this portion of Area 5. It was reported that minor auto repairs, truck washing and tire changes were performed in Area 11. Several 55-gallon drums of lube oil were observed in Area 11. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988. It is unknown whether these potential tanks were located aboveground or underground.

  The 55-gallon containers of petroleum products currently on-site, the potential storage tanks on-site, the Block's former usage as a lumber yard (if pressure treatment occurred on-site), and

the Block's current use for auto repair could have contributed to petroleum and/or hazardous materials contamination on-site. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Block 2494, Lot 1** - Block 2494, Lot 1 was historically occupied by dwellings and stores ca. 1887 through ca. 1905; a garage and repair shop with a tank house and an underground storage tank ca. 1916; vacant land ca. 1951; and the Lumber Exchange Terminal ca. 1965 through 2000. Far Better Towing, Inc. / R-D Towing Corporation is the current occupant of the Lot (a portion of Area 8 - used to repair, park and auction seized vehicles). A trailer office and a one-story brick auto-repair shop were observed near the entrance to Area 8 (at the intersection of Franklin and Dupont Streets). The one-story building contained brick walls, concrete floors and a wood ceiling. The roof was not inspected, but can be assumed to contain asbestos. One 55-gallon drum of diesel fuel was observed in this building and three more were observed outside of the building. An employee of Far Better Towing, Inc. informed AKRF personnel that oil and tires are changed and minor repairs occur. No vehicles were reportedly fueled on the property. Piles of trash, tires, car parts, a tank of carbon dioxide gas and one 275-gallon abandoned aboveground storage tank were observed surrounding the trailer and the one-story structure.

  The 55-gallon containers of petroleum products currently on-site, the current and former auto-repair operation, the underground gasoline storage tank identified on the property, the hydraulic lift system identified on-site and the former usage as a lumber yard (if pressure treatment occurred on-site) could have contributed to petroleum and/or hazardous materials contamination on-site. Asbestos-containing and/or lead paint containing materials could be present in the one-story auto repair shop. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Environmental Conditions Located Outside of the Subject Property** - In the New York State Resource Conservation and Recovery Act (RCRA) database, one Treatment, Storage, and Disposal facilities was identified within a one-mile radius of the subject area and ten RCRA generators were listed within a one-eighth mile radius of the project site. Several of these industrial facilities with known generation of hazardous wastes (including halogenated solvents) are located up-gradient with respect to groundwater to the subject property. Several facilities have Class One RCRA violations, indicating releases may have occurred. Groundwater quality may have been impaired by these operations.

RECOMMENDATIONS:

- AKRF recommends a Phase II Subsurface Site Investigation to determine the presence and possible extent of underground storage tanks as well as petroleum and/or hazardous materials contamination in on site soil and groundwater;

- AKRF recommends any identifies tanks be properly registered, if required, with the New York State Department of Environmental Conservation and the New York City Fire Department. Prior to any renovation or demolition activities with the potential to disturb known tanks, they should be

property assessed, closed and removed from the property in accordance with all federal, state and local regulations;

- Prior to any renovation or demolition activities with the potential to disturb suspect asbestos containing materials, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all sate and federal regulations;

- Any renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 - Lead Exposure in Construction). Current New York State Department of Environmental Conservation guidance permits the disposal of construction materials covered with lead-based paint as demolition debris within an approved landfill; and

- The suspect mercury-containing fluorescent lights and suspect PCB-containing lighting fixtures do not currently present a potential hazard to human health. Unless there is labeling or test data to indicate they are not mercury- and/or PCB-containing, if disposal is required, it should be in accordance with applicable federal, state, and local regulations and guidelines.

6.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property and to identify existing and/or potential environmental problems associated with the property.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry and in accordance with ASTM Standard E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. It is intended for use as a supplement to the property appraisal and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the subject property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the property. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

This Phase I Assessment is not and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

A preliminary visual screening was performed to identify suspect asbestos-containing materials in readily accessible and visible areas. Hidden materials, such as those inside walls, crawl spaces and inside duct work were not accessed.

This report is based on services performed by AKRF, Inc. professional staff and observation of the site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than Park Tower Realty Corp. and their successors or assignees and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

7.0 REFERENCES

1. Toxics Targeting, Inc.; *Greenpoint Lumber Yard, Brooklyn, New York*; Regulatory Radius Search; June 19, 2001.
2. U.S. Geological Survey; *Brooklyn Quadrangle—New York*; 7.5 Minute Series (Topographic); Scale 1:24,000; 1966; Photorevised 1979.
3. U.S. Geological Survey; *Reconnaissance of the Ground-Water Resources of Kings and Queens Counties, New York*; U.S. Geological Survey; Open-File Report 81-1186; 1981.
4. U.S. Geological Survey; *The Water-Table Aquifer in Long Island, New York in March-April 1984*; Water Resources Investigations Report 86-4189, Plate 1A-Water Table Altitude-West; 1984.
5. New York State Department of Health: Office of Public Health—Environmental Radiation Section; *Basement Radon Screening Data*; December, 1999.

QUADRANGLE LOCATION

SCALE IN FEET

0' 1000' 2000' 4000'

SCALE: 1"=2000'

N

SOURCE:
USGS TOPOGRAPHIC MAP - BROOKLYN, N.Y.
QUADRANGLE - DATED 1967, PHOTOREVISED 1979

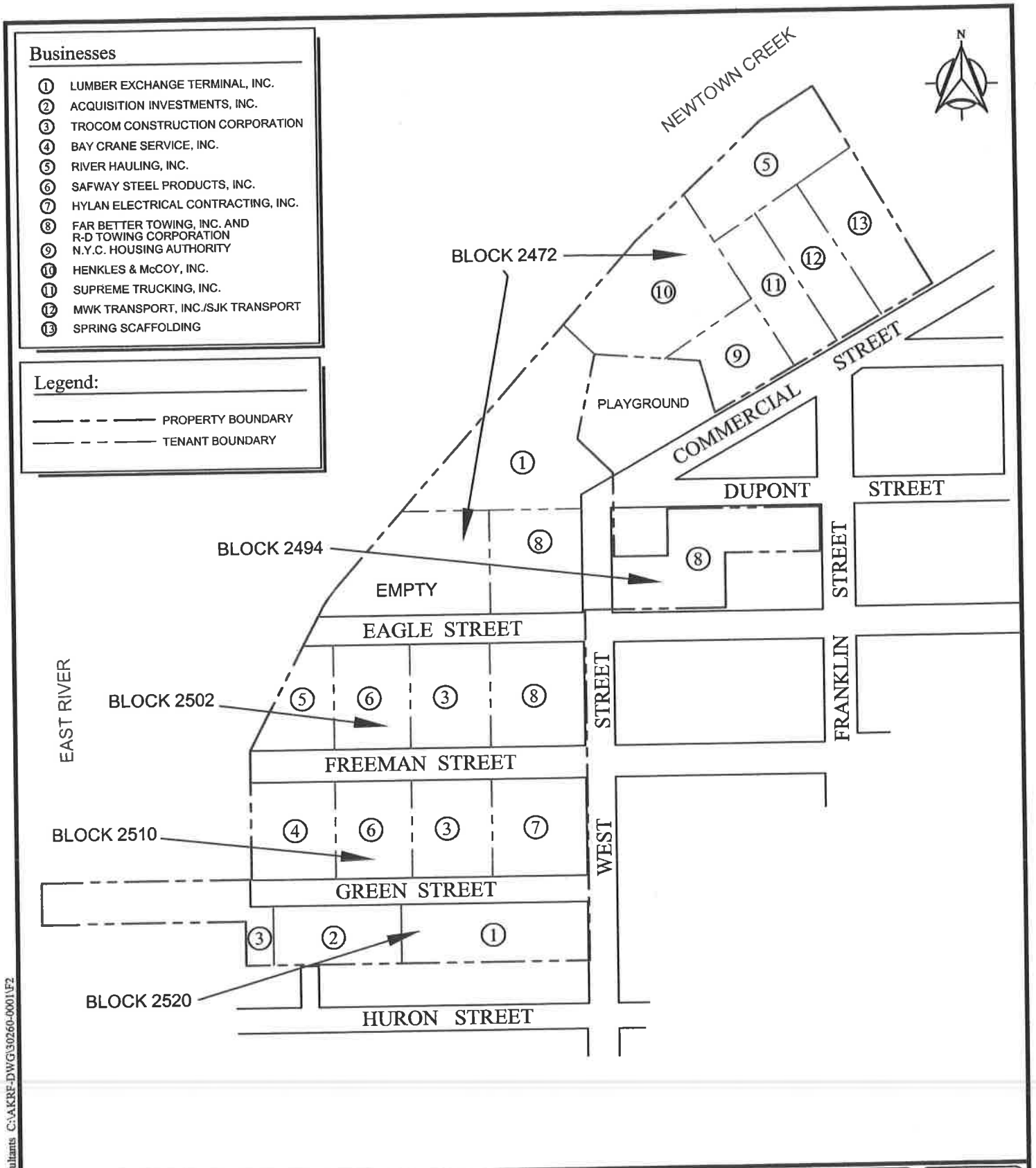
GREENPOINT LUMBER YARD
Brooklyn, New York

PROJECT SITE LOCATION

AKRF, Inc.
Environmental Consultants
117 East 29th Street New York, N.Y. 10016

DATE
06.28.01
PROJECT No.
30260
FIGURE No.
1

2001 AKRF, Inc. Environmental Consultants C:\MSPUB\30260-0001\F1.pub



GREENPOINT LUMBER YARD
Brooklyn, New York

PROJECT SITE DETAIL

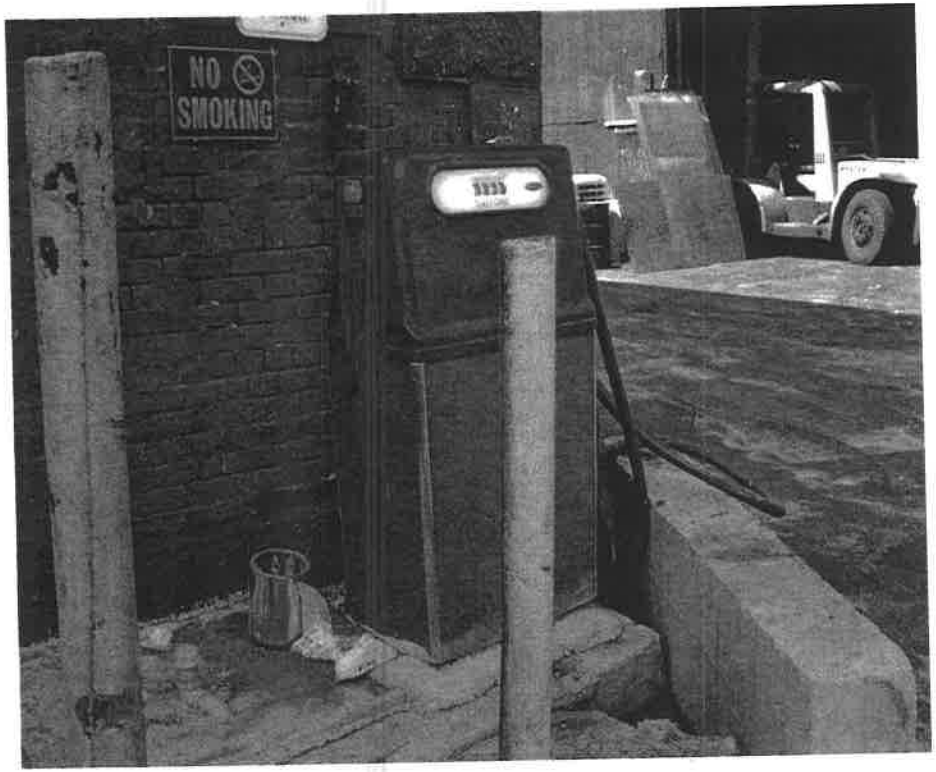
AKRF, Inc.
Environmental Consultants
117 East 29th Street, New York, N.Y. 10016

DATE 06.28.01
PROJECT No. 30260
FIGURE No. 2

2001 AKRF, Inc. Environmental Consultants C:\AKRF-DWG\30260-0001\F2

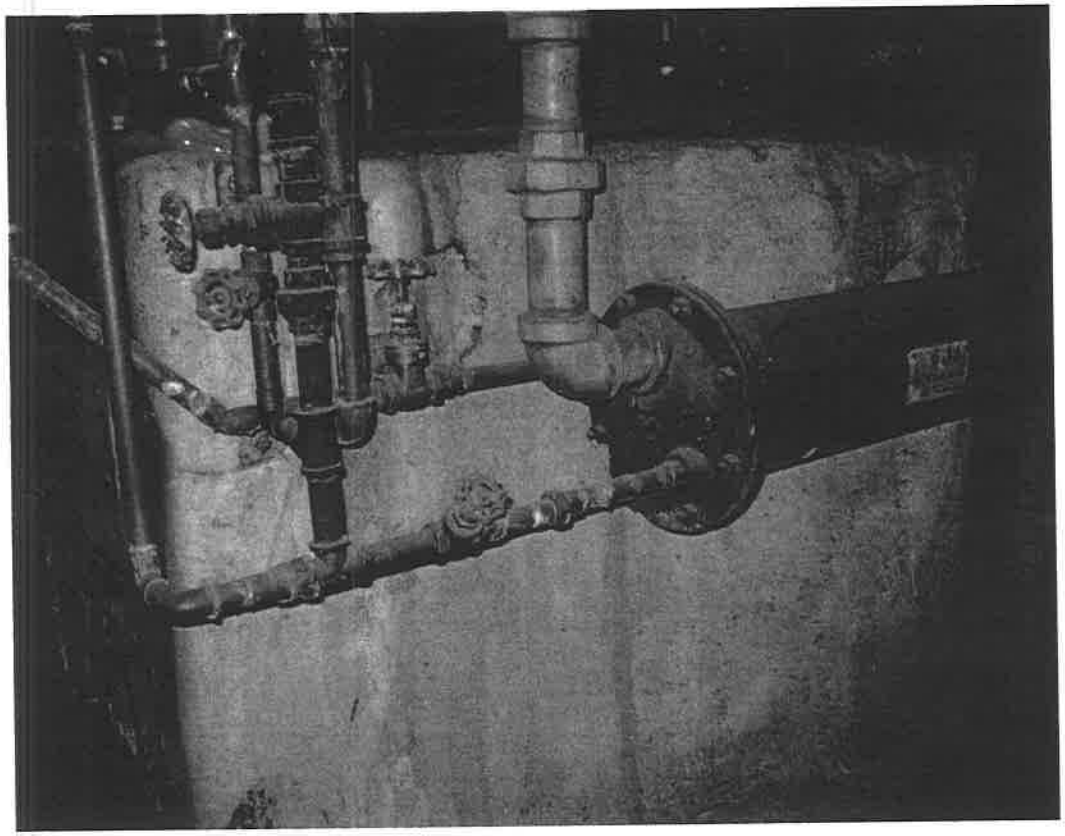
APPENDIX A
PHOTOGRAPHIC DOCUMENTATION

Photograph 1. COVER - View of Manhattan from the waterfront of the Greenpoint Lumber Yard.



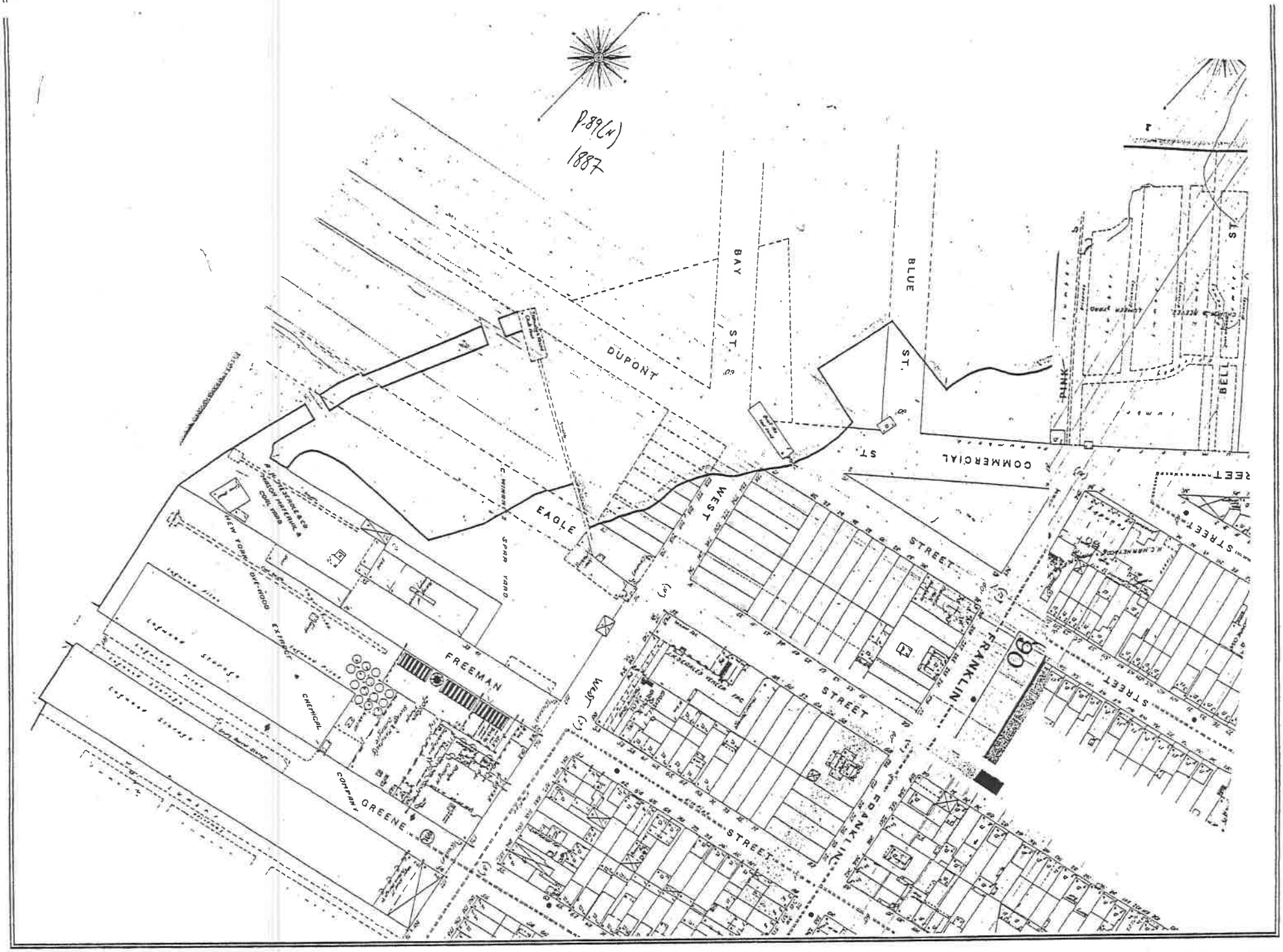
Photograph 2. Fuel pump located outside of two-story brick office in Area 1.

Photograph 3. Stained surface soil in Area 3.

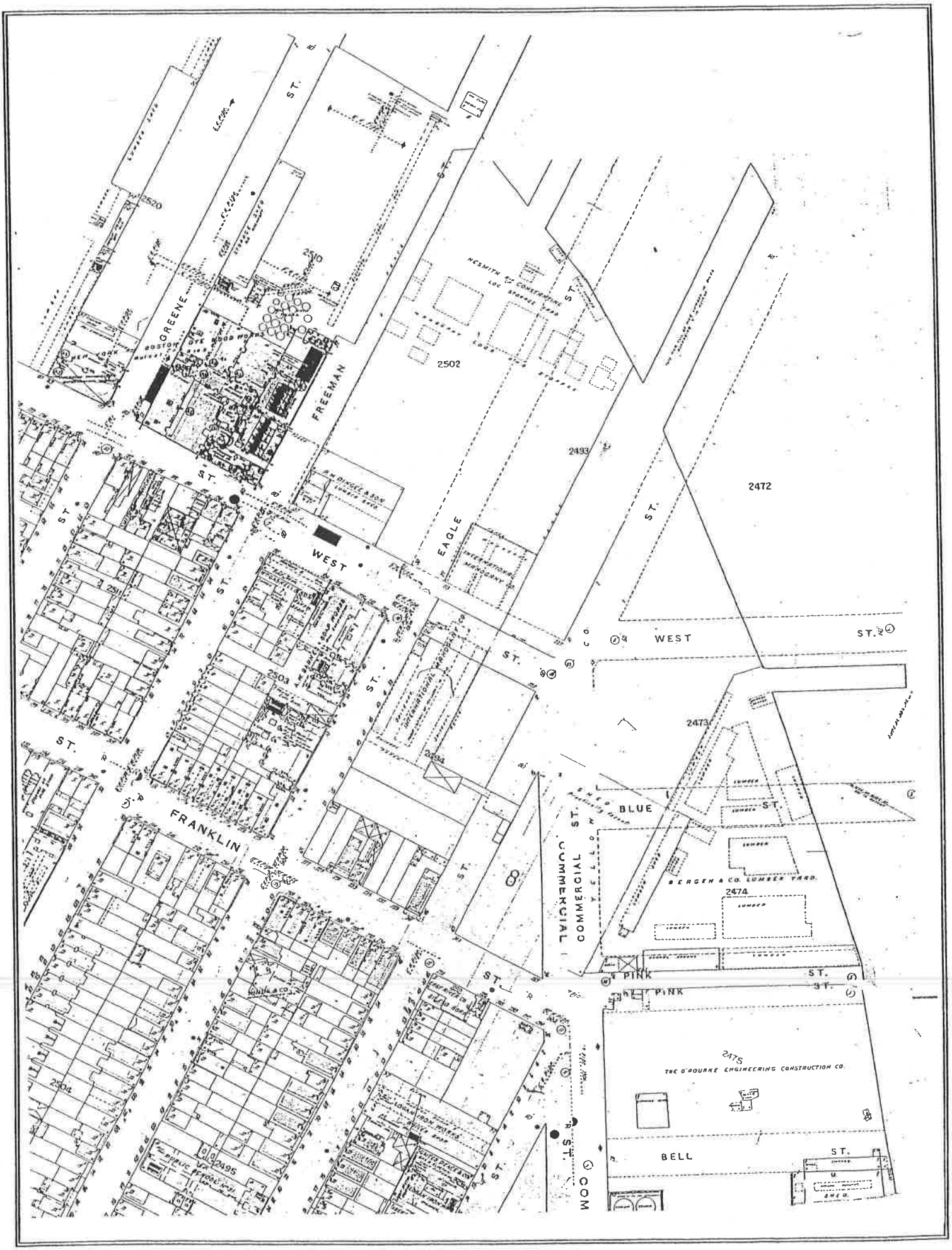


Photograph 4. Suspect asbestos-containing thermal insulation on boiler in two-story brick office building in Area 1.

APPENDIX B
HISTORICAL SANBORN MAPS



HISTORICAL SANBORN MAP 1887


GREENE
FREEMAN
EAGLE
WEST
FRANKLIN
COMMERCIAL
BLUE
PINK
BELL
ST.
2520
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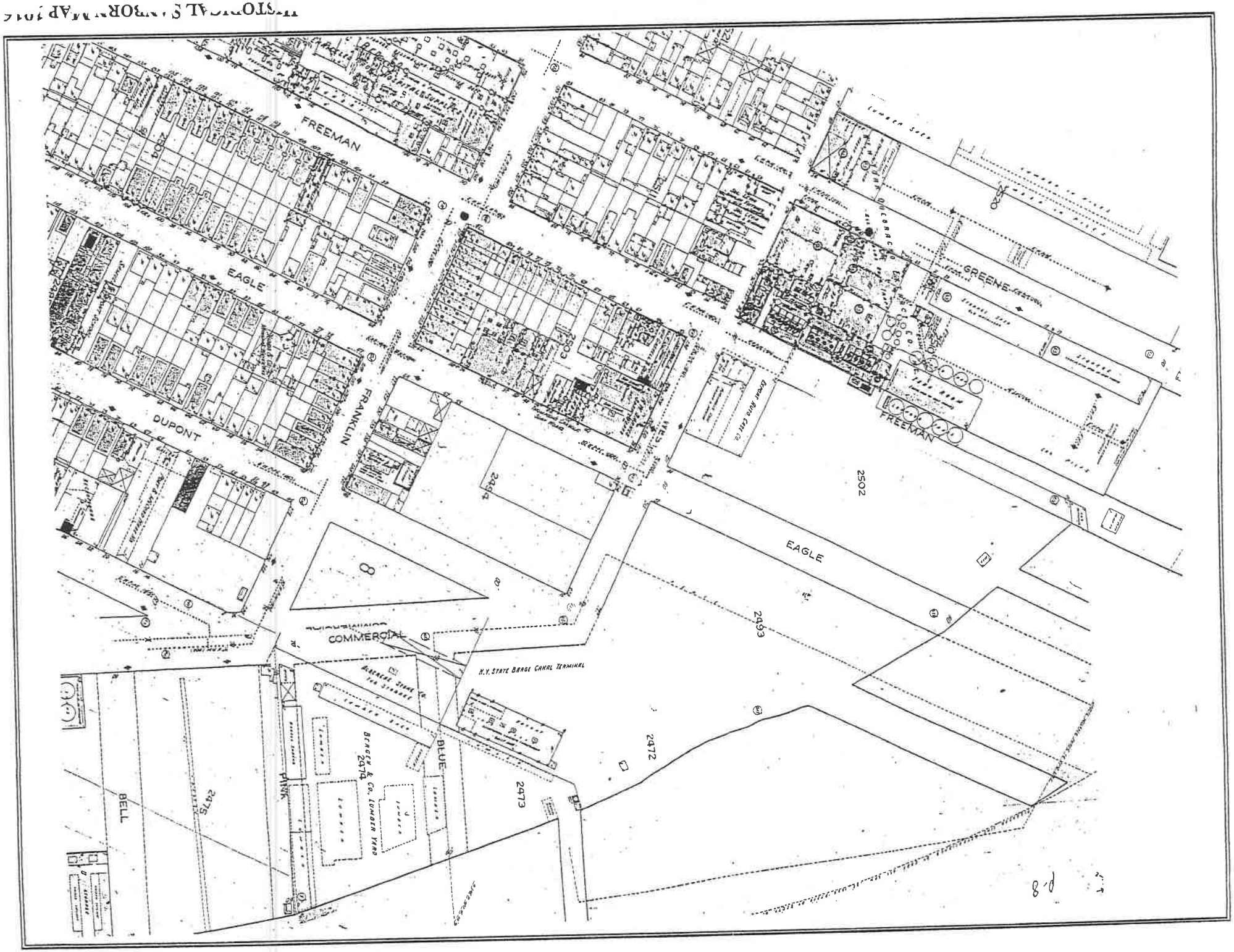
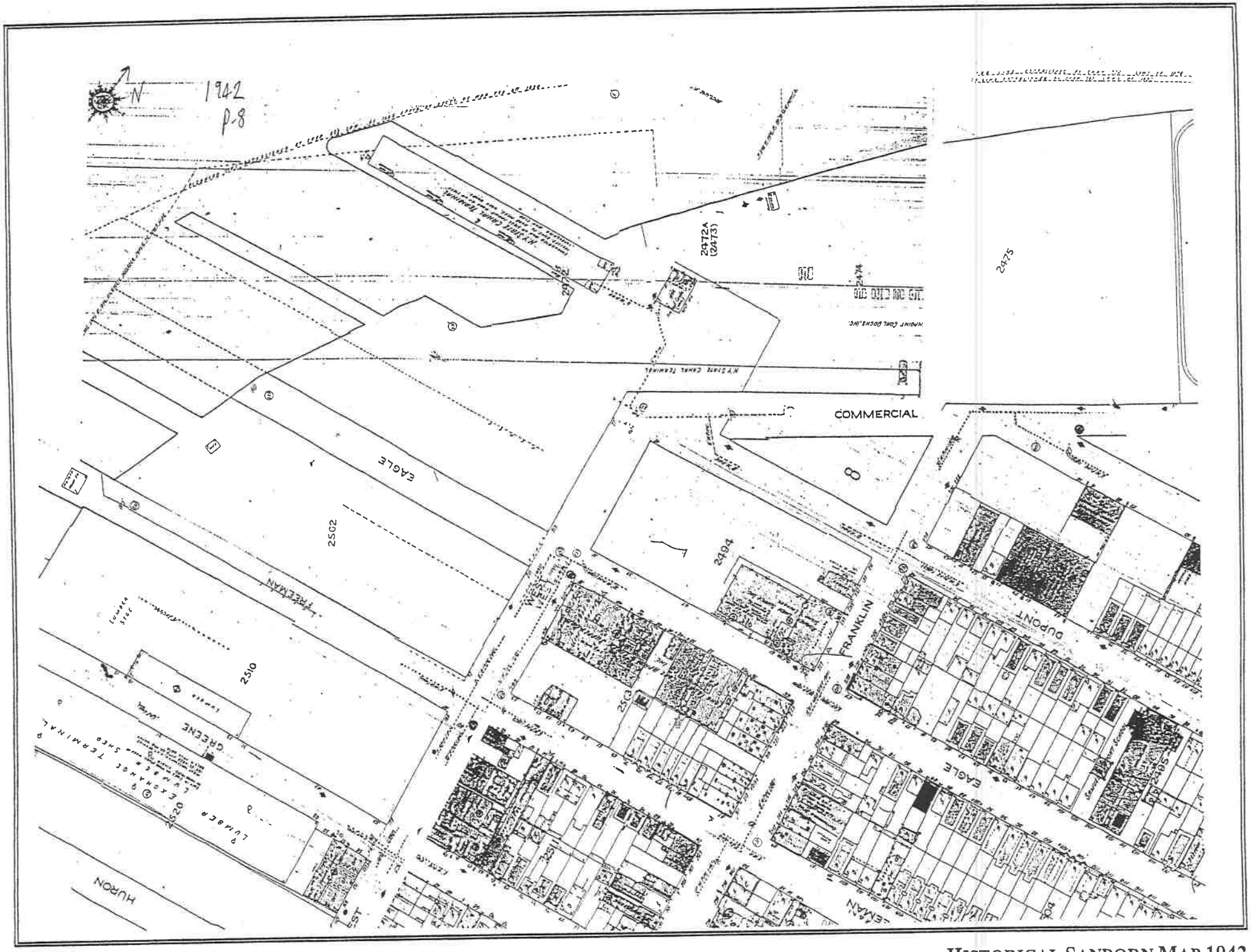
8
BERGEN & CO. LUMBER YARD
THE O'ROURKE ENGINEERING CONSTRUCTION CO.

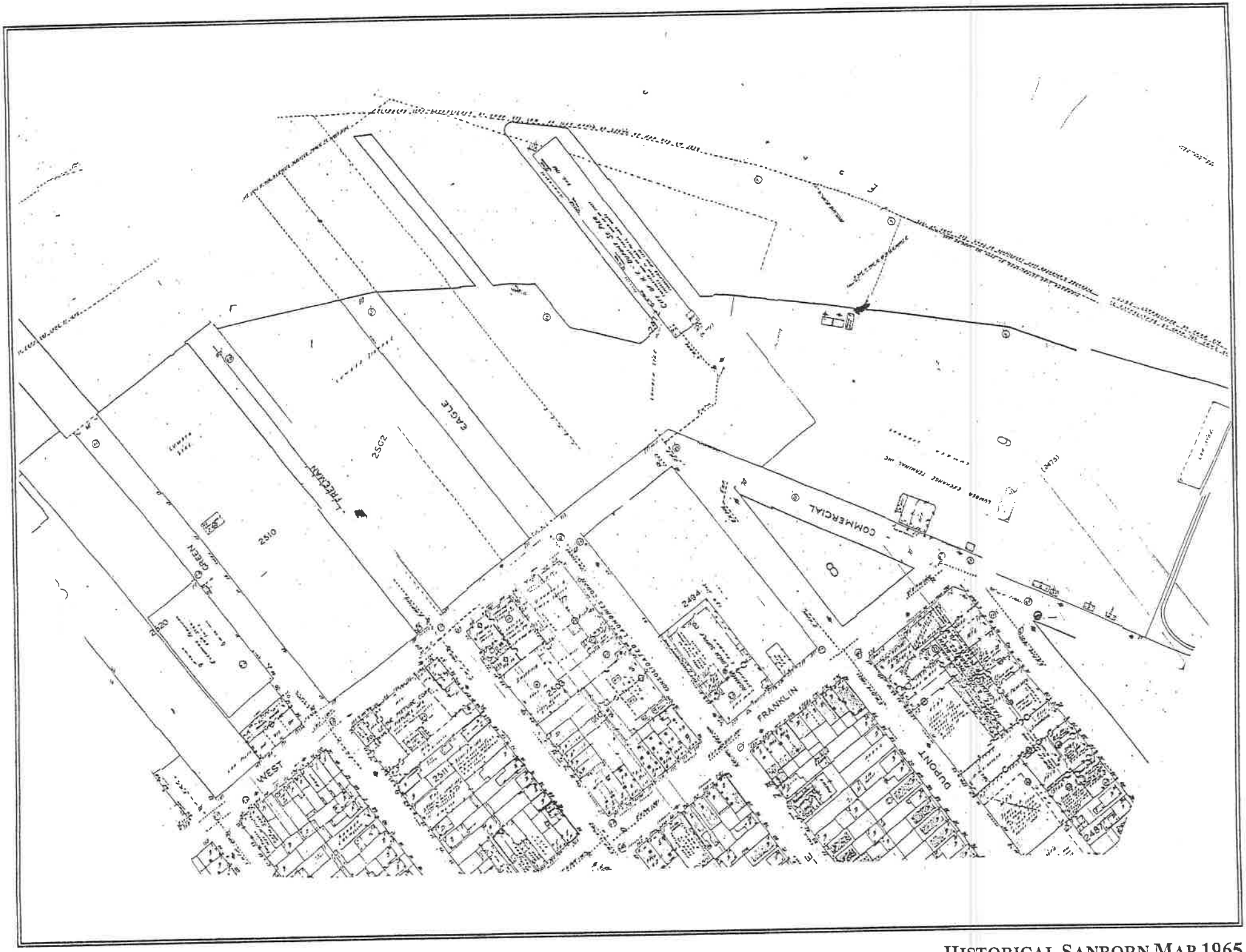


HISTORICAL SANBORN MAP 1916

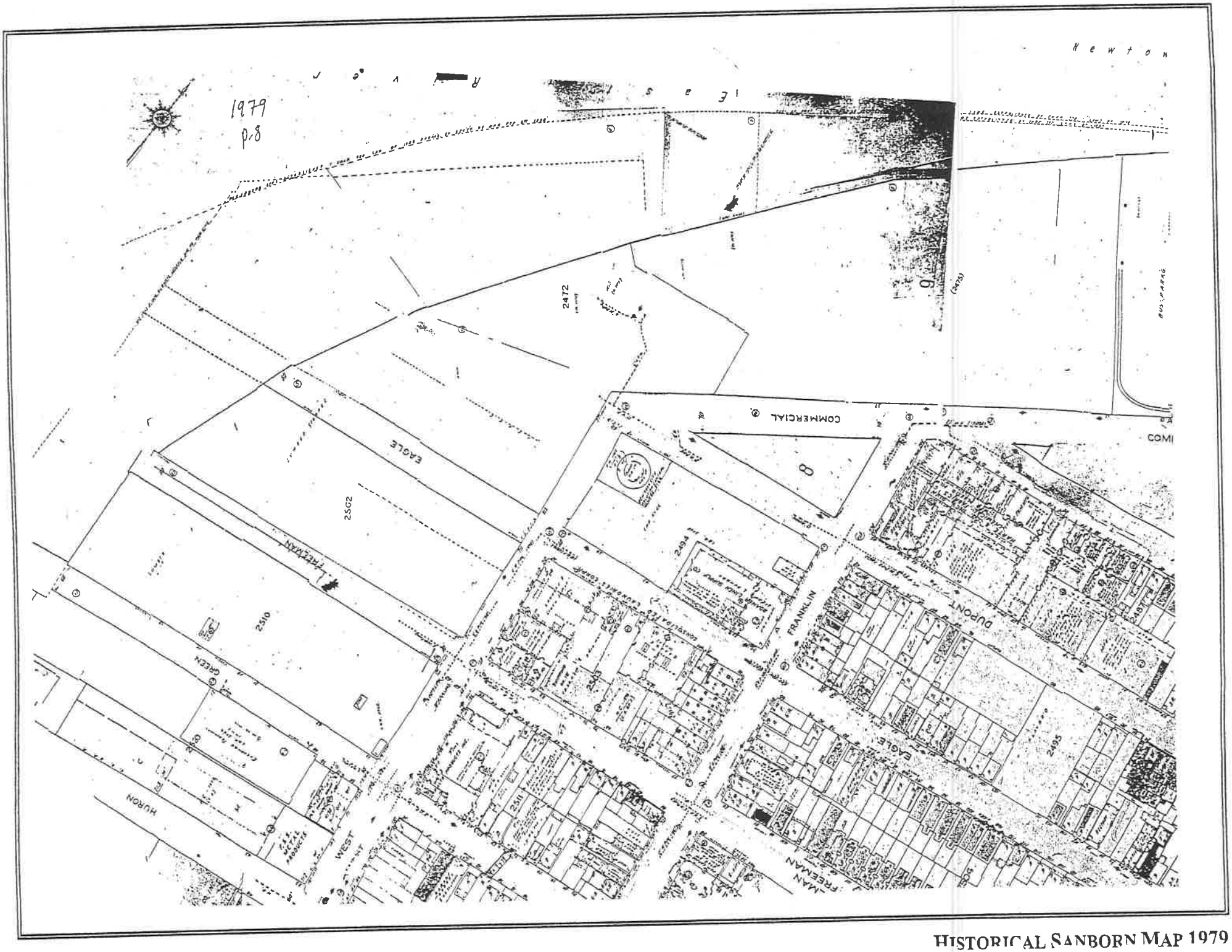


HISTORICAL SANBORN MAP 1942

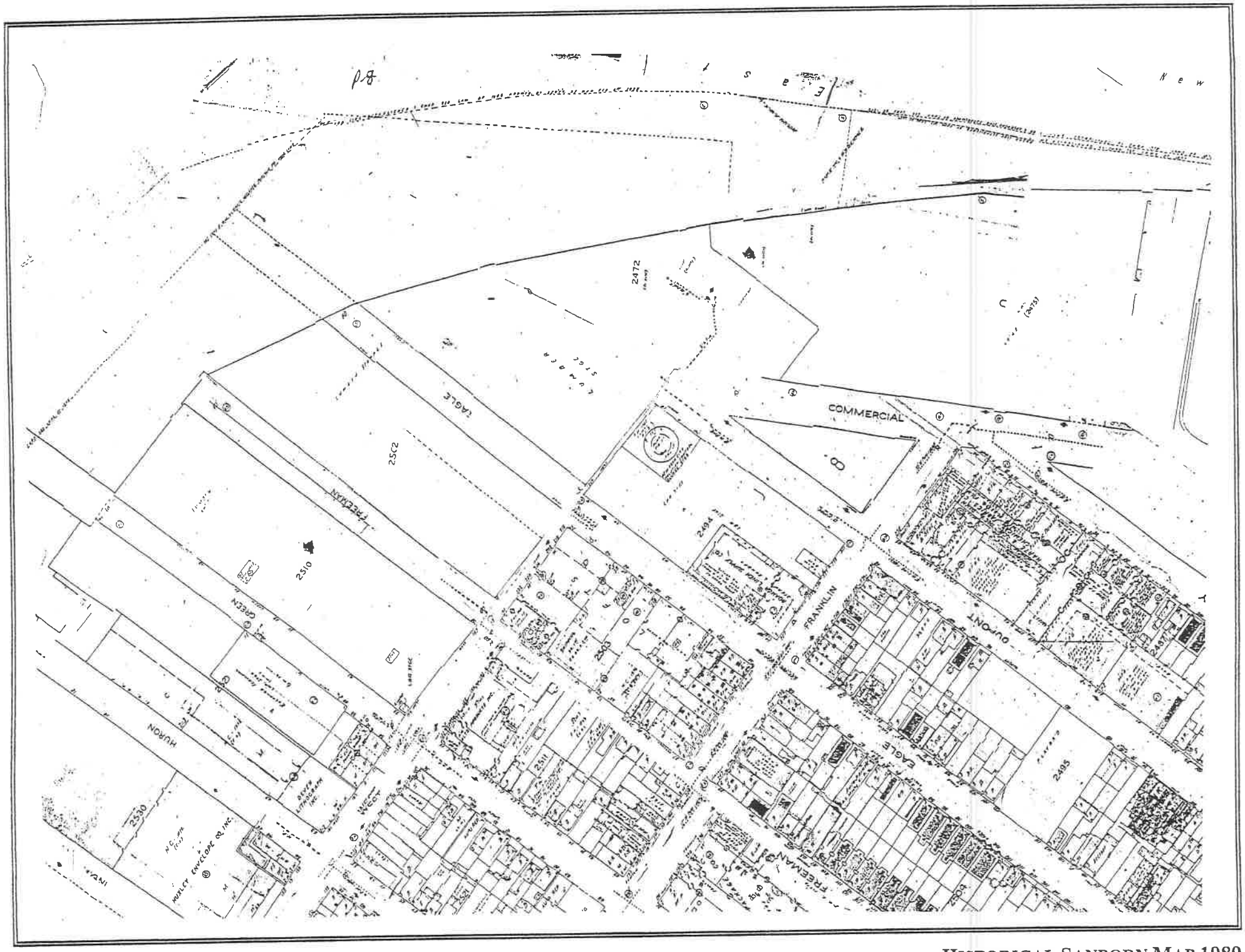
HISTORICAL SANBORN MAP 1951



HISTORICAL SANBORN MAP 1965



HISTORICAL SANBORN MAP 1979



HISTORICAL SANBORN MAP 1080

HISTORICAL SANBORN MAP 2000

APPENDIX C
REGULATORY RECORDS REVIEW

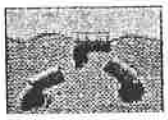
Toxics Targeting Computerized Environmental Report

Greenpoint Lumber Yard
Brooklyn, NY 11222

June 19, 2001

Toxic Site Databases Analyzed In Your Report

Search Radius

One-Mile 

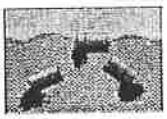
1) ***New York Inactive Hazardous Waste Disposal Site Registry:*** a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile

2) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile

3) ***National Priority List for Federal Superfund Cleanup:*** a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

One-Mile 

4) ***New York Hazardous Substance Disposal Site Draft Study:*** a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites are not eligible for state clean up funding programs.

One-Mile

5) ***New York Solid Waste Facilities Registry, including New York City 1934 Sites:*** active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

One-Mile

6) ***New York State Major Oil Storage Facilities:*** sites with more than a 400,000 gallon capacity for storing petroleum products.

One-Mile

7) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System.

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.
- ***RCRIS corrective action activity (CORRACTS):*** waste facilities with RCRIS corrective action activity reported by the USEPA.

Half-Mile

8a) ***Toxic Spills: active*** stationary source spills reported to state environmental authorities, including unremediated leaking underground storage tanks.

Half-Mile

8b) ***Toxic Spills: closed*** stationary and non-stationary source spills reported to state authorities, including remediated leaking underground storage tanks.

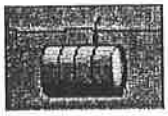
Quarter-Mile

9) ***New York and Local Petroleum Bulk Storage Facilities:*** sites with more than an 1,100 gallon capacity for storing petroleum products.

Quarter-Mile

10) ***New York and Federal Hazardous Waste Generators and Transporters:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System.

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.
- ***RCRIS corrective action activity (CORRACTS):*** waste facilities with RCRIS corrective action activity reported by the USEPA.

Quarter-Mile 

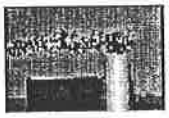
11) ***New York Chemical Bulk Storage Facilities:*** Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Quarter-Mile

12) ***New York Toxic Release Inventory Facilities:*** discharges of selected toxic chemicals to air, land, water or treatment facilities.

Quarter-Mile

13) ***Historic New York City Utility Sites (1890's to 1940's):*** power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Quarter-Mile 

14) ***Air Discharges:*** Air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Quarter-Mile

15) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Quarter-Mile

16) ***Federal Civil Enforcement Docket:*** civil judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

Property only

17) ***ERNS: Federal Emergency Response Notification System Spills:*** a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Computerized Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The computerized map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 17 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites Ranked By Proximity*
- *Table Four:* *Identified Toxic Sites By Category*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Quarter-Mile Radius Map*
- *Map Four:* *Quarter-Mile Radius Close up Map*

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NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

See Section 4.2 P.14-16

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site(s) Category Totals
NYS Inactive Hazardous Waste Disposal Sites *	0	0	0	[illegible]	[illegible]	6
CERCLIS Sites *	0	0	0	[illegible]	[illegible]	3
National Priority List Sites *	0	0	0	0	0	0
Hazardous Substance Waste Disposal Sites *	0	0	0	[illegible]	[illegible]	5
NYS Solid Waste Facilities *	0	0	[illegible]	4	[illegible]	14
NYS Major Oil Storage Facilities *	0	0	0	2	6	8
RCRA Hazardous Waste Treatment, Storage, Disposal Sites *	0	0	0	0	1	1
NYS Toxic Spills (incl. Leaking Undrgrnd Storage Tanks) **	13	20	32	75(39)	Not searched	140(39)
Local & State Petroleum Bulk Storage Sites ***	3	8	9	Not searched	Not searched	20
RCRA Hazardous Waste Generators & Transporters ***	2	8	9	Not searched	Not searched	19
NYS Chemical Bulk Storage Sites ***	0	0	2	Not searched	Not searched	2
Toxic Release Inventory Sites (TRI) ***	0	1	1	Not searched	Not searched	2
Historic Utility Facilities ***	0	0	0	Not searched	Not searched	0
Permit Compliance System Toxic Wastewater Discharges ***	0	0	0	Not searched	Not searched	0
NYS Air Discharges ***	6	6	9	Not searched	Not searched	21
Civil Enforcement Docket Facilities ***	0	0	1	Not searched	Not searched	1
ERNS (Onsite) *****	0	Not searched	Not searched	Not searched	Not searched	0
Distance Interval Totals	24	43	64	84(39)	27	242(39)

Search Radius: * 1 Mile Search Radius ** 1/2 Mile Search Radius *** 1/4 Mile Search Radius **** 1/8 Mile Search Radius ***** on-site only

Numbers in ( ) indicate spills not mapped and profiled, and are found in the tables at the end of the active and closed spills sections.
See these tables for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Category

Greenpoint Lumber Yard
Brooklyn, NY 11222

Compass directions can vary substantially for sites located very close to the subject property address.

CERCLIS/NYSDEC Inactive Hazardous Waste Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	3928 feet to the E
	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	3931 feet to the E
9	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	4639 feet to the ESE
10	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	4675 feet to the E

NYSDEC Inactive Hazardous Waste Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3	BROOKLYN NORTH 1 GARAGE	50 KENT AVENUE	3716 feet to the S
	CARBONA PRODUCTS	330 CALYER STREET	3866 feet to the ESE
	KENT TERMINAL	KENT AVE. BETWEEN N.5TH & N.11TH ST.	4037 feet to the S
[illegible]	AMTRAK SUNNYSIDE YARD	39-29 HONEYWELL STREET	4504 feet to the NE

CERCLIS Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3265 feet to the SSE
2	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3572 feet to the S

Hazardous Substance Waste Disposal Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
11	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3265 feet to the SSE
12	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3572 feet to the S
[illegible]	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	3931 feet to the E
[illegible]	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4031 feet to the E
[illegible]	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4650 feet to the ESE
16	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	4678 feet to the E

Solid Waste Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
17	DH FARNEY CONT. INC.		1267 feet to the N
18	MANHATTAN AVE. RECYCLING		1352 feet to the NE
[illegible]	ECONOMY CONTAINER SERVICE		1469 feet to the NE
[illegible]	MICHAEL FERRONE		2079 feet to the E
[illegible]	PRONTO DEMO. CORP		2492 feet to the E
22	PEREZ INTERBORO T.S.		2782 feet to the ENE
[illegible]	NEWTOWN CREEK DREDG SLF		2782 feet to the ENE
[illegible]	LOSTRITTO & CALANDRILLO		2918 feet to the SE
[illegible]	NYCDOS MTS @ GREENPOINT	NORTH HENRY STREET	3525 feet to the E
26	NORTH 12 STREET T.S.		3618 feet to the S
27	GREENPOINT INCINERATOR		3943 feet to the E
[illegible]	SUMMIT CARTING INC.		4671 feet to the E
[illegible]	NATIONAL PAPER STOCK CART		4767 feet to the SSE
30	NEKBOH RECYCLING INC.		4899 feet to the S

Major Oil Storage Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
[illegible]	DITMAS OIL-LONG ISLAND CITY	53-02 11TH ST.	2007 feet to the NE
32	MOTIVA ENTERPRISES, LLC	25 PAIDGE AVENUE	2135 feet to the ENE
[illegible]	DITMAS OIL-LONG ISLAND CITY	53-02 11TH ST.	2404 feet to the NE
[illegible]	EXXON COMPANY USA	320 FREEMAN STREET	2748 feet to the E
[illegible]	EXXON COMPANY USA	320 FREEMAN STREET	3037 feet to the E
36	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3113 feet to the SW
37	BAYSIDE FUEL OIL DEPOT CORP.	1 NORTH 12TH STREET	3137 feet to the S
[illegible]	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3462 feet to the SW
[illegible]	FORMER MOBIL GREENPOINT TERMINAL	403 GREENPOINT AVENUE	4225 feet to the E
40	METRO TERMINALS CORP.	498 KINGSLAND AVENUE	4370 feet to the E
41	MOBIL OIL CORPORATION BROOKLYN TERMINAL	300 NORTH HENRY STREET	4639 feet to the ESE

Hazardous Waste Treatment, Storage, Disposal Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
42	KOSAN INDUSTRIAL CORP	5-49 49TH AVENUE	3093 feet to the NNE

Active Tank Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
43	65 COMMERCIAL ST/BKLYN	65 COMMERCIAL STREET	201 feet to the NE
44	25 PAIDGE AVE/BKLYN/SHELL	25 PAIDGE AVENUE	2130 feet to the ENE

Active Tank Test Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
45	29 ASH ST	29 ASH ST	1540 feet to the NE
6	29 ASH ST/BKLYN/UNIVERSAL	29 ASH ST	1540 feet to the NE
7	52-00 2ND ST/QU'NS/NORVAL	52000 2ND ST	2186 feet to the NNE
48	SHIMENTO TRUCKING INC.	11 WEST STREET	2334 feet to the SSE
49	54 FRANKLIN ST/BKLYN	54 FRANKLIN ST	2565 feet to the SSE

Active Haz Spills (Unknown Causes & Other Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
50	MANHOLE 4273	FREEMAN ST & WEST ST	0 feet
51	MANHOLE 64829	FRANKLIN AVE/DUPONT AVE	2 feet to the NE*
52	MANHOLE 64829	FRANKLIN &DUPONT ST	2 feet to the NE*
53	MANHOLE #64829	FRANKLIN ST/OFF DUPONT	2 feet to the NE*
54	MANHOLE #64829	FRANKFORD ST & DUPONT ST	2 feet to the NE*
55	MANHOLE #64829	FRANKLIN AV & DUPONT ST	2 feet to the NE*
56	TM # 2792	55 FREEMAN ST	28 feet to the E*
57	TM 2792	55 FREEMAN ST	28 feet to the E*
58	TM2815	55 FREEMAN ST	28 feet to the E*
59	RESIDENCE	87 EAGLE STREET	188 feet to the ENE*
60	VAULT 852	10-20 CLAY ST	249 feet to the NE
61	VS 1106	2-20 CLAY ST	276 feet to the NE
62	V# 1109 & V# 852	20 CLAY ST	320 feet to the NE
63	MANHOLE 70407	I/F/I 20 CLAY ST	336 feet to the NE
64	VALUT 7059	INDIA ST/WEST ST	363 feet to the SSE
65	VAULT 5337	INDIA ST/ WEST ST	363 feet to the SSE
66	MANHOLE #4276	HURON ST / FRANKLIN ST	456 feet to the ESE
67	COMMERCIAL ST/BOX&CLAY ST	COMMERCIAL ST / BOX ST	716 feet to the NE
68		1079 MANHATTEN AVE	885 feet to the ENE
69	1071 MANHATTAN AVENUE	1071 MANHATTAN AVENUE	891 feet to the ENE
70	1109 MANHATTAN AVE	1109 MANHATTAN AVE	915 feet to the ENE
71	BTWN DUPONT & FREEDOM ST	MANHATTAN AV	927 feet to the ENE
72	MANHOLE #4294	MANHATEEN AV & BOX ST	1034 feet to the NE
73	MANHOLE AT BOX STREET AND	MANHATTAN AVE	1034 feet to the NE
74	MH 4285	MANHATTAN AVE/COMMERCIAL	1185 feet to the NE
75	NEW TOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE
76	TM 0647	HERON STREET/MANHATTAN AV	1293 feet to the E
77	TM #647	HURON ST/MANHATTEN AVE	1293 feet to the E
78	140 GREENPOINT AVE	140 GREENPOINT AVE	1621 feet to the SE
79		CLAY ST & MCGUINNES BL	1636 feet to the ENE
80	MANHOLE 19726	54TH AV WEST OF 2ND ST	1664 feet to the NNE
81	MANHOLE 19726	54TH AV / 2ND ST	1664 feet to the NNE
82	MANHOLE 19726	54TH AVE & 2ND ST	1664 feet to the NNE
83	TM 1081	NOBLE ST /W OF WEST ST	1679 feet to the SSE
84	MCGUINESS & BOX ST	MCGUINESS & BOX ST	1697 feet to the ENE
85	MANHOLE 4297	BOX ST & PAIDGE AVE	1714 feet to the ENE
86		137 MILTON ST	1784 feet to the SE
87	109 NOBLE ST/BROOKLYN	109 NOBLE STREET	1794 feet to the SE
88	MANHATTAN AND GREENPOINT	AVE MANHOLE-4327	1818 feet to the SE
89		MANHATTAN AV & GREENPOINT	1818 feet to the SE
90	VAULT 2772	45 WEST ST	1893 feet to the SSE
91	54-08 VERNON BLVD/QUEENS	54008 VERNON BLVD	1950 feet to the NE
92	PULASKI BRDG/SHELL TERMNL	NEWTOWN CREEK	1966 feet to the NE
93	MANHOLE #62845	MCGUINESS BLVE/INDIA ST	2041 feet to the E
94	MANHOLE 71304	MCGUINNESS BL/INDIA ST	2041 feet to the E
95	RZ METAL CORP	247 HURON ST	2078 feet to the E
96	NEW TOWN CREEK	PULASKI BR AND BUDWEISER	2082 feet to the NE
97	SHELL OIL CO	25 PAIDGE AV-WELS 15,16	2130 feet to the ENE
98	25 PAIDGE AVE/BKLYN	25 PAIDGE AVE	2130 feet to the ENE
99		53RD AVE/VERNON BLVD	2133 feet to the NE
100	MH #19726	2ND ST & BORDEN AVE	2193 feet to the NNE
101	QUEENS MIDTOWN TUNNEL	BORDEN & 2ND ST	2193 feet to the NNE
102	MCGUISNESS BL	BET JAVVA & KENT	2233 feet to the ESE
103	MCGUINNESS & 54 AVE.	MCGUINNESS & 54 AVE.	2332 feet to the NE
104	11 WEST STREET	11 WEST STREET	2334 feet to the SSE
105	NEWTOWN CREEK- PAIGE AVE	NEWTON CREEK -PAIGE AVE	2374 feet to the ENE
106	N E C / B N S	10-26 53RD AVE	2399 feet to the NE
107	MERIT GAS STATION	210 GREENPOINT AVE	2432 feet to the ESE
108	210 GREEN PT AVE.	210 GREEN PT AVE.	2432 feet to the ESE
109	AMERADA HESS	210 GREENPOINT AVE	2432 feet to the ESE
110	FORMER SHELL STATION	256 MCGUINNESS BLVD	2438 feet to the ESE

11	VAULT 5803	QUAY ST/WEST ST	2450 feet to the SSE
12	VS 5761	QUAY ST/ E OF WEST ST	2461 feet to the SSE
113	MANHOLE #5761	QUA STREET & FRANKLYN AV	2482 feet to the SSE

Active Haz Spills (Miscellaneous Spill Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
114	FRANKLIN STREET	HURON STREET	456 feet to the ESE
115	EAGLE ST & MANHATTAN AVE.	EAGLE ST / MANHATTAN AVE	927 feet to the ENE
116	EAGLE ST / MANHATTAN ST	EAGLE ST / MANH ST	927 feet to the ENE
117	VAULT #V4191	FREEMAN/MANHATTAN	999 feet to the E
118		535 54TH AVE	1822 feet to the NNE
119	PULASKI SERVICE STATION	321 MCGUINNESS BLVD	1852 feet to the E
120	OAK ST &FRANKLIN AV/BKLYN	OAK ST / FRANKLIN AVE	1969 feet to the SSE
121	502 BORDEN AVE/LIRR	502 BORDEN AVE	2245 feet to the NNE
122	LONG ISLAND CITY PASS YAR	5-01 BORDEN AV	2303 feet to the NNE
123	5TH ST & 51ST AVE	5TH ST & 51ST AVE	2526 feet to the NNE

Closed Status Tank Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
124	203 JAVA ST.	203 JAVA ST	2104 feet to the ESE

Closed Status Tank Test Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
125	145 WEST STREET	145 WEST STREET	331 feet to the SSE
126	145 WEST STREET	145 WEST STREET	331 feet to the SSE
127	FINK BAKING	5-35 54TH AVE	1822 feet to the NNE
128	02-24 51ST AVE/	02-24 51ST AVE	2425 feet to the NNE

Closed Status Spills (Unknown Causes & Other Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
29	EAST RIVER	EAST RIVER- & GREEN ST	8 feet to the SW*
30	GREENPOINT DOCK	DUPONT STREET	21 feet to the NNW*
131	262 FRANKLIN ST/BKLYN	262 FRANKLIN STREET	98 feet to the ENE*
132	MANHOLE 7489	66 URON ST	191 feet to the SE*
133	HUXLEY ENVELOPE/WEST ST	HUXLEY ENVELOPE/WEST ST	331 feet to the SSE
34	STEVEN SUPPLY CO	15 CLAY ST	363 feet to the NE
35	15 CLAY ST	15 CLAY ST	363 feet to the NE
136	MANHOLE 7489	HURRON ST/FRANKLIN AVE	456 feet to the ESE
137	MANHOLE 4284	COMMERCIAL ST AND BOX ST	716 feet to the NE
38	SB 8622	111 JAVA ST	985 feet to the SE
39	SERVICE BOX 8463	210/212 FREEMAN AVENUE	999 feet to the E
140	118 JAVA STREET	118 JAVE STREET	1045 feet to the SE
141	MANHOLE #TM642	BOX ST E OF MANHATTAN AV	1177 feet to the NE
42	TRANSFORMER MANHOLE	MANHATTAN AVE &COMMERCIAL	1185 feet to the NE
43	MANHOLE 4285	MANHATTEN AV & COMERCIAL	1185 feet to the NE
144	MANHOLE #4285	MANHATTEN AV & COMM.ST.	1185 feet to the NE
145	MANHATTAN AVE & ASH ST	MANHATTAN AVE & ASH ST	1185 feet to the NE
146	NEWTOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE
47	1155-1205 MANHATTAN AVE	1155-1205 MANAHATTAN AVE	1275 feet to the NE
48	116 GREENPOINT AVE	116 GREENPOINT AVE	1450 feet to the SE
149	MCGUINESS BLVD/CLAY ST	MCGUINESS BLVD/CLAY ST	1636 feet to the ENE
150	NEWTOWN CREEK/MANH AVE	NEWTOWN CREEK/MANH AVE	1712 feet to the NE
51	FRANKLIN & NOBLE ST	FRANKLIN & NOBLE ST	1720 feet to the SSE
52	CON ED MANHOLE 4313	MC GUINNESS & HURON ST	1879 feet to the E
153	315 MCGUINESS BLVD	315 MCGUINESS BLVD	1900 feet to the E
154	BORDEN AVE/LIRR PASS YARD	BORDEN AVE/LIRR PASS YARD	2011 feet to the NNE
55	54TH AVA & VERNON BLVD	54TH AVE & VERNON BLVD	2026 feet to the NE
56	54 STREET/VERNON BLVD	54 STREET/VERNON BLVD	2026 feet to the NE
157	24 PAIGE AVENUE	24 PAIGE AVENUE	2056 feet to the ENE
158	217 INDIA STREET	217 INDIA STREET	2228 feet to the E
159	262 HURON ST	262 HURON ST	2287 feet to the E
60		266 MCGUINNESS BLVD	2308 feet to the ESE
61	10-26 53RD AVENUE	10-26 53RD AVENUE	2399 feet to the NE
162	GREENPOINT AVE	GREENPOINT AVENUE &	2414 feet to the ESE
163	GREEN ST & PROVOST/BKLYN	GREEN ST & PROVOST	2455 feet to the E
64	GASETERIA / QUEENS	GASETERIA 11TH & BORDEN	2593 feet to the NE

Closed Status Spills (Miscellaneous Spill Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
165	DUPONT ST/COMMERCIAL ST	DUPONT ST / COMMERCIAL ST	0 feet
66	77 COMMERCIAL STREET	77 COMMERCIAL ST	233 feet to the NE
167	COMMERCIAL ST	FRANKLIN ST	240 feet to the NE

68	FRANKLIN / HURON STREETS	FRANKLIN / HURON STREETS	456 feet to the ESE
69	182 FREEMAN ST/BKLYN	182 FREEMAN STREET	1120 feet to the E
170	166 EAGLE ST	166 EAGLE ST	1126 feet to the ENE
171		111 INDIA ST	1164 feet to the ESE
72	1155-1205 MANHATTAN AVE	1155-1205 MANHATTAN AVE	1275 feet to the NE
73	1205 MANHATTAN AVE	1205 MANHATTAN AVE.	1275 feet to the NE
174	1205 MANHATTAN AVE	1205 MANHATTAN AVE	1275 feet to the NE
175	1205 MANHATTAN AVE/BKLYN	1205 MANHATTAN AVENUE	1275 feet to the NE
176	MANH AVE/NEWTOWN CREEK	MANH AVE/NEWTOWN CREEK	1712 feet to the NE
77	LI PASSENGER YARD	LI PASSENGER YARD	2011 feet to the NNE
78	860 MANHATTAN AVE/BKLYN	860 MANHATTAN AVENUE	2127 feet to the SE
179	25 PAIDGE AVE/BKLYN	25 PAIDGE AVENUE	2130 feet to the ENE
180	LONG ISLAND CITY YARD	5-02 BORDEN AVENUE	2245 feet to the NNE
81	266 FREEMAN ST/BROOKLYN	266 FREEMAN STREET	2256 feet to the E
82	SHELL GAS STATION	KENT ST/MCGINESS BLVD	2281 feet to the ESE

Petroleum Bulk Storage Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
83	EAGLE STREEET ASSOC.	48 EAGLE STREET	21 feet to the ENE*
184	RIALTO PRODUCTS INC	61-65 GREEN STREET	75 feet to the ESE*
185	DEVEN LITHOGRAPHERS, INC.	15 HURON STREET	99 feet to the S*
186	223 FRANKLIN ST	223 FRANKLIN ST	183 feet to the ENE*
87	CROSSTOWN BUS DEPOT	65 COMMERCIAL ST	195 feet to the NE*
88	FORMER UNITED FEATHER & DOWN INC.	77 COMMERCIAL STREET	227 feet to the NE
189	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE
190	OSCAR'S SERVICE STATION INC	193 FRANKLIN ST	399 feet to the ESE
91	STS CYRIL & METHODIOS RC SCH	96 DUPONT ST	600 feet to the ENE
92	KENT TRANS AMERICA CLOTHING CO	122 WEST ST	616 feet to the SSE
193	65 JAVA STREET	65 JAVA STREET	643 feet to the SE
194	MICHAEL PISTILLI	85 JAVA ST	766 feet to the SE
195	74 INDIA	74 INDIA ST	785 feet to the ESE
96	129 HURON ST	129 HURON ST	906 feet to the ESE
197	GREENPOINT HOTEL	1109 MANHATTAN AVENUE	921 feet to the ENE
198	DUPONT ASSOC	127 DUPONT ST	992 feet to the ENE
199	MADIS GREENPOINT REALTY CO	96 WEST ST	1044 feet to the SSE
00	GUARD GENERAL MERCHANDISE CO	61 GREENPOINT AVE	1247 feet to the SE
01	GREENPOINT MANUFACTURING & DESIGN CENTER	1155-1205 MANHATTAN AVENUE	1265 feet to the NE
202	APARTMENT HOUSE	168 HURON STREET	1295 feet to the E

Hazardous Waste Generators, Transporters

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
203	NUHART COMPANY	49 DUPONT STREET	31 feet to the NE*
204	NU HART	49 DUPONT STREET	31 feet to the NE*
205	CON ED	7489 - 66 HURON ST	187 feet to the SE*
06	NEW YORK CITY TRANSIT AUTHORITY	65 COMMERCIAL AVENUE	195 feet to the NE*
07	LIQUIMARK	71 GREEN ST	205 feet to the ESE
208	HARTE & CO INC	77 COMMERCIAL ST	227 feet to the NE
209	PAT & DOMS BODY & FENDERREPAIR	246 FRANKLIN STREET	300 feet to the E
10	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE
11	INTERFLO TECHNOLOGIES	19 CLAY ST	401 feet to the NE
212	ELECTRICAL PRECISION METE	214 FRANKLIN ST	467 feet to the ESE
213	VANGUARD INCORPORATED	10 JAVA ST	760 feet to the SSE
14	KELLY CLEANERS	1036 MANHATTAN AVENUE	1059 feet to the E
15	PORT AUTHORITY NEW YORK/NEW JERSEY	HUNTERS PT 5500 2ND ST	1103 feet to the N
216	APHRODITE CLEANERS II	1019 MANHATTAN AVENUE	1152 feet to the E
217	NYNEX	GREEN ST & MANHATTAN	1169 feet to the E
218	CONSOLIDATED EDISON CO OF NY INC	FRANKLIN ST F/O 113	1233 feet to the SSE
19	NEW YORK CITY DEPT OF ENVIROMENTAL PROTECTION	1205 MANHATTAN AVENUE	1282 feet to the NE
20	MINERALS & METALS - M & R CORP	1205 MANHATTAN AVE	1282 feet to the NE
221	ANHEUSER BUSCH DISTRIBUTORS	55-01 SECOND STREET	1301 feet to the NNE

Chemical Bulk Storage Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
222	NEWTOWN CREEK WATER POLLUTION CONTROL PLANT	310 GREENPOINT AVENUE	909 feet to the WSW
223	MOTIVA ENTERPRISES LLC	25 PAIDGE AVENUE	1227 feet to the NE

Toxic Release Inventory Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
224	LIQUIMARK	19 CLAY ST.	409 feet to the NE
225	VANGUARD CORP	10 JAVA STREET	761 feet to the SSE

Air Discharge Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
226	COURIER PACKAGING	220 WEST STREET	0 feet
27	COURIER PACKAGING CO.ENTRANCE ON WEST ST	48 EAGLE STREET	35 feet to the ENE*
28	CONSOLIDATED LAUNDRIES IN	3248 EAGLE STREET	35 feet to the ENE*
229	NUHART COMPANY	49 DUPONT STREET	40 feet to the NE*
230	NUHART & COMPANY	49 DUPONT STREET	40 feet to the NE*
231	RIALTO PRODUCTS INC	61 GREEN STREET	74 feet to the ESE*
32	NYCTA CROSSTOWN ANNEX	65 COMMERCIAL STREET	206 feet to the NE
33	HARTE & CO INC	14 CLAY ST	267 feet to the NE
234	OSCAR SERVICE STATIO	193 FRANKLIN STREET	404 feet to the ESE
235	REDOUND INDUSTRIES, INC - INTERFLO TECH	19 CLAY STREET	409 feet to the NE
36	DISTINCTION IN WOODS LTD	106 GREEN ST	638 feet to the ESE
37	DISTINCTION IN WOODS LTD	106 GREEN STREET	638 feet to the ESE
238	METROPOLITAN PACKAGING MANUFAC	68 JAVA STREET	695 feet to the SE
239	VANGUARD DIVERSIFIED INC	10 JAVA ST	756 feet to the SSE
40	VANGUARD/DIV STACOR	10 JAVA ST	756 feet to the SSE
41	METROPOLITAN PACKAGING	67-73 KENT STREET	933 feet to the SSE
242	KELLY CLEANERS	1036 MANHATTAN AVENUE	1070 feet to the E
243	S & G INC.	1155 MANHATTAN AVE	1278 feet to the NE
244	DISTINCTION IN WOOD INC.	1155-1205 MANHATTAN AVENUE	1278 feet to the NE
45	ASBESTOS FREE INC	144 FRANKLIN ST	1281 feet to the SE
46	ASBESTOS FREE INC.	144 FRANKLIN ST.	1281 feet to the SE

Civil Enforcement Docket Sites

AP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
47	VANGUARD DIVERSIFIED INC	10 JAVA ST	764 feet to the S

Identified Toxic Sites by Direction

Greenpoint Lumber Yard
Brooklyn, NY 11222

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
50	MANHOLE 4273	FREEMAN ST & WEST ST	0 feet	Active Haz Spill (Unknown/Other Cause)
165	DUPONT ST/COMMERCIAL ST	DUPONT ST / COMMERCIAL ST	0 feet	Closed Status Spill (Misc. Spill Cause)
226	COURIER PACKAGING	220 WEST STREET	0 feet	Air Discharge Site
51	MANHOLE 64829	FRANKLIN AVE/DUPONT AVE	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
52	MANHOLE 64829	FRANKLIN &DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
53	MANHOLE #64829	FRANKLIN ST/OFF DUPONT	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
54	MANHOLE #64829	FRANKFORD ST & DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
55	MANHOLE #64829	FRANKLIN AV & DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
129	EAST RIVER	EAST RIVER- & GREEN ST	8 feet to the SW*	Closed Status Spill (Unk/Other Cause)
130	GREENPOINT DOCK	DUPONT STREET	21 feet to the NNW*	Closed Status Spill (Unk/Other Cause)
183	EAGLE STREEET ASSOC.	48 EAGLE STREET	21 feet to the ENE*	Petroleum Bulk Storage Site
56	TM # 2792	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
57	TM 2792	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
58	TM2815	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
203	NUHART COMPANY	49 DUPONT STREET	31 feet to the NE*	Hazardous Waste Generator/Transporter
204	NU HART	49 DUPONT STREET	31 feet to the NE*	Hazardous Waste Generator/Transporter
227	COURIER PACKAGING CO.ENTRANCE ON WEST ST	48 EAGLE STREET	35 feet to the ENE*	Air Discharge Site
228	CONSOLIDATED LAUNDRIES IN	3248 EAGLE STREET	35 feet to the ENE*	Air Discharge Site
229	NUHART COMPANY	49 DUPONT STREET	40 feet to the NE*	Air Discharge Site
230	NUHART & COMPANY	49 DUPONT STREET	40 feet to the NE*	Air Discharge Site
231	RIALTO PRODUCTS INC	61 GREEN STREET	74 feet to the ESE*	Air Discharge Site
184	RIALTO PRODUCTS INC	61-65 GREEN STREET	75 feet to the ESE*	Petroleum Bulk Storage Site
131	262 FRANKLIN ST/BKLYN	262 FRANKLIN STREET	98 feet to the ENE*	Closed Status Spill (Unk/Other Cause)
185	DEVEN LITHOGRAPHERS, INC.	15 HURON STREET	99 feet to the S*	Petroleum Bulk Storage Site

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
187	CROSSTOWN BUS DEPOT	65 COMMERCIAL ST	195 feet to the NE*	Petroleum Bulk Storage Site
206	NEW YORK CITY TRANSIT AUTHORITY	65 COMMERCIAL AVENUE	195 feet to the NE*	Hazardous Waste Generator/Transporter
43	65 COMMERCIAL ST/BKLYN	65 COMMERCIAL STREET	201 feet to the NE	Active Tank Failure
232	NYCTA CROSSTOWN ANNEX	65 COMMERCIAL STREET	206 feet to the NE	Air Discharge Site
188	FORMER UNITED FEATHER & DOWN INC.	77 COMMERCIAL STREET	227 feet to the NE	Petroleum Bulk Storage Site
208	HARTE & CO INC	77 COMMERCIAL ST	227 feet to the NE	Hazardous Waste Generator/Transporter
166	77 COMMERCIAL STREET	77 COMMERCIAL ST	233 feet to the NE	Closed Status Spill (Misc. Spill Cause)
167	COMMERCIAL ST	FRANKLIN ST	240 feet to the NE	Closed Status Spill (Misc. Spill Cause)
60	VAULT 852	10-20 CLAY ST	249 feet to the NE	Active Haz Spill (Unknown/Other Cause)
233	HARTE & CO INC	14 CLAY ST	267 feet to the NE	Air Discharge Site

61	VS 1108	2-20 CLAY ST	276 feet to the NE	Active Haz Spill (Unknown/Other Cause)
62	V# 1109 & V# 852	20 CLAY ST	320 feet to the NE	Active Haz Spill (Unknown/Other Cause)
63	MANHOLE 70407	I/F/I 20 CLAY ST	336 feet to the NE	Active Haz Spill (Unknown/Other Cause)
134	STEVEN SUPPLY CO	15 CLAY ST	363 feet to the NE	Closed Status Spill (Unk/Other Cause)
135	15 CLAY ST	15 CLAY ST	363 feet to the NE	Closed Status Spill (Unk/Other Cause)
211	INTERFLO TECHNOLOGIES	19 CLAY ST	401 feet to the NE	Hazardous Waste Generator/Transporter
224	LIQUIMARK	19 CLAY ST.	409 feet to the NE	Toxic Release Inventory Site
235	REDOUND INDUSTRIES, INC - INTERFLO TECH	19 CLAY STREET	409 feet to the NE	Air Discharge Site
186	223 FRANKLIN ST	223 FRANKLIN ST	183 feet to the ENE*	Petroleum Bulk Storage Site
59	RESIDENCE	87 EAGLE STREET	188 feet to the ENE*	Active Haz Spill (Unknown/Other Cause)
191	STS CYRIL & METHODIOS RC SCH	96 DUPONT ST	600 feet to the ENE	Petroleum Bulk Storage Site
209	PAT & DOMS BODY & FENDERREPAIR	246 FRANKLIN STREET	300 feet to the E	Hazardous Waste Generator/Transporter
207	LIQUIMARK	71 GREEN ST	205 feet to the ESE	Hazardous Waste Generator/Transporter
190	OSCAR'S SERVICE STATION INC	193 FRANKLIN ST	399 feet to the ESE	Petroleum Bulk Storage Site
234	OSCAR SERVICE STATIO	193 FRANKLIN STREET	404 feet to the ESE	Air Discharge Site
66	MANHOLE #4276	HURON ST / FRANKLIN ST	456 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
114	FRANKLIN STREET	HURON STREET	456 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
136	MANHOLE 7489	HURRON ST/FRANKLIN AVE	456 feet to the ESE	Closed Status Spill (Unk/Other Cause)
168	FRANKLIN / HURON STREETS	FRANKLIN / HURON STREETS	456 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
212	ELECTRICAL PRECISION METE	214 FRANKLIN ST	467 feet to the ESE	Hazardous Waste Generator/Transporter
236	DISTINCTION IN WOODS LTD	106 GREEN ST	638 feet to the ESE	Air Discharge Site
237	DISTINCTION IN WOODS LTD	106 GREEN STREET	638 feet to the ESE	Air Discharge Site
205	CON ED	7489 - 66 HURON ST	187 feet to the SE*	Hazardous Waste Generator/Transporter
132	MANHOLE 7489	66 URON ST	191 feet to the SE*	Closed Status Spill (Unk/Other Cause)
193	65 JAVA STREET	65 JAVA STREET	643 feet to the SE	Petroleum Bulk Storage Site
125	145 WEST STREET	145 WEST STREET	331 feet to the SSE	Closed Status Tank Test Failure
126	145 WEST STREET	145 WEST STREET	331 feet to the SSE	Closed Status Tank Test Failure
133	HUXLEY ENVELOPE/WEST ST	HUXLEY ENVELOPE/WEST ST	331 feet to the SSE	Closed Status Spill (Unk/Other Cause)
189	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE	Petroleum Bulk Storage Site
210	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE	Hazardous Waste Generator/Transporter
64	VALUT 7059	INDIA ST/WEST ST	363 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
65	VAULT 5337	INDIA ST/ WEST ST	363 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
192	KENT TRANS AMERICA CLOTHING CO	122 WEST ST	616 feet to the SSE	Petroleum Bulk Storage Site

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
215	PORT AUTHORITY NEW YORK/NEW JERSEY	HUNTERS PT 5500 2ND ST	1103 feet to the N	Hazardous Waste Generator/Transporter
17	DH FARNEY CONT. INC.		1267 feet to the N	Solid Waste Facility
221	ANHEUSER BUSCH DISTRIBUTORS	55-01 SECOND STREET	1301 feet to the NNE	Hazardous Waste Generator/Transporter
80	MANHOLE 19726	54TH AV WEST OF 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
81	MANHOLE 19726	54TH AV / 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
82	MANHOLE 19726	54TH AVE & 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)

127	FINK BAKING	535 [illegible] AVE	1822 feet to the NNE	Closed Status Tank Test Failure
154	BORDEN AVE/LIRR PASS YARD	5-35 54TH AVE	2011 feet to the NNE	Closed Status Spill (Unk/Other Cause)
177	LI PASSENGER YARD	BORDEN AVE/LIRR PASS YARD	2011 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
47	52-00 2ND ST/QU'NS/NORVAL	LI PASSENGER YARD	2186 feet to the NNE	Active Tank Test Failure
100	MH #19726	52000 2ND ST	2193 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
101	QUEENS MIDTOWN TUNNEL	2ND ST & BORDEN AVE	2193 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
121	502 BORDEN AVE/LIRR	BORDEN & 2ND ST	2245 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
180	LONG ISLAND CITY YARD	502 BORDEN AVE	2245 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
122	LONG ISLAND CITY PASS YAR	5-02 BORDEN AVENUE	2303 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
128	02-24 51ST AVE/	5-01 BORDEN AV	2425 feet to the NNE	Closed Status Tank Test Failure
123	5TH ST & 51ST AVE	02-24 51ST AVE	2526 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
42	KOSAN INDUSTRIAL CORP	5TH ST & 51ST AVE	3093 feet to the NNE	Hazardous Waste Treat, Storage, Disposal
		5-49 49TH AVENUE		
67	COMMERCIAL ST/BOX&CLAY ST	COMMERCIAL ST / BOX ST	716 feet to the NE	Active Haz Spill (Unknown/Other Cause)
137	MANHOLE 4284	COMMERCIAL ST AND BOX ST	716 feet to the NE	Closed Status Spill (Unk/Other Cause)
72	MANHOLE #4294	MANHATEEN AV & BOX ST	1034 feet to the NE	Active Haz Spill (Unknown/Other Cause)
73	MANHOLE AT BOX STREET AND	MANHATTAN AVE	1034 feet to the NE	Active Haz Spill (Unknown/Other Cause)
141	MANHOLE #TM642	BOX ST E OF MANHATTAN AV	1177 feet to the NE	Closed Status Spill (Unk/Other Cause)
74	MH 4285	MANHATTAN AVE/COMMERCIAL	1185 feet to the NE	Active Haz Spill (Unknown/Other Cause)
142	TRANSFORMER MANHOLE	MANHATTAN AVE &COMMERCIAL	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
143	MANHOLE 4285	MANHATTEN AV & COMERCIAL	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
144	MANHOLE #4285	MANHATTEN AV & COMM.ST.	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
145	MANHATTAN AVE & ASH ST	MANHATTAN AVE & ASH ST	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
223	MOTIVA ENTERPRISES LLC	25 PAIDGE AVENUE	1227 feet to the NE	Chemical Bulk Storage Facility
201	GREENPOINT MANUFACTURING & DESIGN CENTER	1155-1205 MANHATTAN AVENUE	1265 feet to the NE	Petroleum Bulk Storage Site
75	NEW TOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE	Active Haz Spill (Unknown/Other Cause)
146	NEWTOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Unk/Other Cause)
147	1155-1205 MANHATTAN AVE	1155-1205 MANAHATTAN AVE	1275 feet to the NE	Closed Status Spill (Unk/Other Cause)
172	1155-1205 MANHATTAN AVE	1155-1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
173	1205 MANHATTAN AVE	1205 MANHATTAN AVE.	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
174	1205 MANHATTAN AVE	1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
175	1205 MANHATTAN AVE/BKLYN	1205 MANHATTAN AVENUE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
243	S & G INC.	1155 MANHATTAN AVE	1278 feet to the NE	Air Discharge Site
244	DISTINCTION IN WOOD INC.	1155-1205 MANHATTAN AVENUE	1278 feet to the NE	Air Discharge Site
219	NEW YORK CITY DEPT OF ENVIROMENTAL PROTE	CTION 1205 MANHATTAN AVENUE	1282 feet to the NE	Hazardous Waste Generator/Transporter
220	MINERALS & METALS - M & R CORP	1205 MANHATTAN AVE	1282 feet to the NE	Hazardous Waste Generator/Transporter
18	MANHATTAN AVE. RECYCLING		1352 feet to the NE	Solid Waste Facility
19	ECONOMY CONTAINER SERVICE		1469 feet to the NE	Solid Waste Facility
45	29 ASH ST	29 ASH ST	1540 feet to the NE	Active Tank Test Failure
46	29 ASH ST/BKLYN/UNIVERSAL	29 ASH ST	1540 feet to the NE	Active Tank Test Failure
150	NEWTOWN CREEK/MANH AVE	NEWTOWN CREEK/MANH AVE	1712 feet to the NE	Closed Status Spill (Unk/Other Cause)
176	MANH AVE/NEWTOWN CREEK	MANH AVE/NEWTOWN CREEK	1712 feet to the NE	Closed Status Spill (Misc. Spill Cause)
91	54-08 VERNON BLVD/QUEENS	54008 VERNON BLVD	1950 feet to the NE	Active Haz Spill (Unknown/Other Cause)
92	PULASKI BRDG/SHELL TERMNL	NEWTOWN CREEK	1966 feet to the NE	Active Haz Spill (Unknown/Other Cause)
31	DITMAS OIL-LONG ISLAND CITY	53-02 11TH ST.	2007 feet to the NE	Major Oil Storage Facility
155	54TH AVA & VERNON BLVD	54TH AVE & VERNON BLVD	2026 feet to the NE	Closed Status Spill (Unk/Other Cause)
156	54 STREET/VERNON BLVD	54 STREET/VERNON BLVD	2026 feet to the NE	Closed Status Spill (Unk/Other Cause)
96	NEW TOWN CREEK	PULASKI BR AND BUDWEISER	2082 feet to the NE	Active Haz Spill (Unknown/Other Cause)
99		53RD AVE/VERNON BLVD	2133 feet to the NE	Active Haz Spill (Unknown/Other Cause)
103	MCGUINNESS & 54 AVE.	MCGUINNESS & 54 AVE.	2332 feet to the NE	Active Haz Spill (Unknown/Other Cause)
106	N E C / B N S	10-26 53RD AVE	2399 feet to the NE	Active Haz Spill (Unknown/Other Cause)
161	10-26 53RD AVENUE	10-26 53RD AVENUE	2399 feet to the NE	Closed Status Spill (Unk/Other Cause)

55	DITMAS OIL-LONG ISLAND CITY	53-[illegible] TH S[illegible]	[illegible]04 feet to the NE	Major Oil Storage Facility
164	GASETERIA / QUEENS	GASETERIA 11TH & BORDEN	2593 feet to the NE	Closed Status Spill (Unk/Other Cause)
8	AMTRAK SUNNYSIDE YARD	39-29 HONEYWELL STREET	4504 feet to the NE	NYSDEC Inactive Haz Waste Site
68		1079 MANHATTEN AVE	885 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
69	1071 MANHATTAN AVENUE	1071 MANHATTAN AVENUE	891 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
70	1109 MANHATTAN AVE	1109 MANHATTAN AVE	915 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
197	GREENPOINT HOTEL	1109 MANHATTAN AVENUE	921 feet to the ENE	Petroleum Bulk Storage Site
71	BTWN DUPONT & FREEDOM ST	MANHATTAN AV	927 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
115	EAGLE ST & MANHATTAN AVE.	EAGLE ST / MANHATTAN AVE	927 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
116	EAGLE ST / MANHATTAN ST	EAGLE ST / MANH ST	927 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
198	DUPONT ASSOC	127 DUPONT ST	992 feet to the ENE	Petroleum Bulk Storage Site
170	166 EAGLE ST	166 EAGLE ST	1126 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
79		CLAY ST & MCGUINNES BL	1636 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
149	MCGUINESS BLVD/CLAY ST	MCGUINESS BLVD/CLAY ST	1636 feet to the ENE	Closed Status Spill (Unk/Other Cause)
84	MCGUINESS & BOX ST	MCGUINESS & BOX ST	1697 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
85	MANHOLE 4297	BOX ST & PAIDGE AVE	1714 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
157	24 PAIGE AVENUE	24 PAIGE AVENUE	2056 feet to the ENE	Closed Status Spill (Unk/Other Cause)
44	25 PAIDGE AVE/BKLYN/SHELL	25 PAIDGE AVENUE	2130 feet to the ENE	Active Tank Failure
97	SHELL OIL CO	25 PAIDGE AV-WELS 15,16	2130 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
98	25 PAIDGE AVE/BKLYN	25 PAIDGE AVE	2130 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
179	25 PAIDGE AVE/BKLYN	25 PAIDGE AVENUE	2130 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
32	MOTIVA ENTERPRISES, LLC	25 PAIDGE AVENUE	2135 feet to the ENE	Major Oil Storage Facility
105	NEWTOWN CREEK- PAIGE AVE	NEWTON CREEK -PAIGE AVE	2374 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
22	PEREZ INTERBORO T.S.		2782 feet to the ENE	Solid Waste Facility
23	NEWTOWN CREEK DREDG SLF		2782 feet to the ENE	Solid Waste Facility
117	VAULT #V4191	FREEMAN/MANHATTAN	999 feet to the E	Active Haz Spill (Misc. Spill Cause)
139	SERVICE BOX 8463	210/212 FREEMAN AVENUE	999 feet to the E	Closed Status Spill (Unk/Other Cause)
214	KELLY CLEANERS	1036 MANHATTAN AVENUE	1059 feet to the E	Hazardous Waste Generator/Transporter
242	KELLY CLEANERS	1036 MANHATTAN AVENUE	1070 feet to the E	Air Discharge Site
169	182 FREEMAN ST/BKLYN	182 FREEMAN STREET	1120 feet to the E	Closed Status Spill (Misc. Spill Cause)
216	APHRODITE CLEANERS II	1019 MANHATTAN AVENUE	1152 feet to the E	Hazardous Waste Generator/Transporter
217	NYNEX	GREEN ST & MANHATTAN	1169 feet to the E	Hazardous Waste Generator/Transporter
76	TM 0647	HERON STREET/MANHATTAN AV	1293 feet to the E	Active Haz Spill (Unknown/Other Cause)
77	TM #647	HURON ST/MANHATTEN AVE	1293 feet to the E	Active Haz Spill (Unknown/Other Cause)
202	APARTMENT HOUSE	168 HURON STREET	1295 feet to the E	Petroleum Bulk Storage Site
119	PULASKI SERVICE STATION	321 MCGUINNESS BLVD	1852 feet to the E	Active Haz Spill (Misc. Spill Cause)
152	CON ED MANHOLE 4313	MC GUINNESS & HURON ST	1879 feet to the E	Closed Status Spill (Unk/Other Cause)
153	315 MCGUINESS BLVD	315 MCGUINESS BLVD	1900 feet to the E	Closed Status Spill (Unk/Other Cause)
93	MANHOLE #62845	MCGUINESS BLVE/INDIA ST	2041 feet to the E	Active Haz Spill (Unknown/Other Cause)
94	MANHOLE 71304	MCGUINNESS BL/INDIA ST	2041 feet to the E	Active Haz Spill (Unknown/Other Cause)
95	RZ METAL CORP	247 HURON ST	2078 feet to the E	Active Haz Spill (Unknown/Other Cause)
20	MICHAEL FERRONE		2079 feet to the E	Solid Waste Facility
158	217 INDIA STREET	217 INDIA STREET	2228 feet to the E	Closed Status Spill (Unk/Other Cause)
181	266 FREEMAN ST/BROOKLYN	266 FREEMAN STREET	2256 feet to the E	Closed Status Spill (Misc. Spill Cause)
159	262 HURON ST	262 HURON ST	2287 feet to the E	Closed Status Spill (Unk/Other Cause)
163	GREEN ST & PROVOST/BKLYN	GREEN ST & PROVOST	2455 feet to the E	Closed Status Spill (Unk/Other Cause)
21	PRONTO DEMO. CORP		2492 feet to the E	Solid Waste Facility
34	EXXON COMPANY USA	320 FREEMAN STREET	2748 feet to the E	Major Oil Storage Facility
35	EXXON COMPANY USA	320 FREEMAN STREET	3037 feet to the E	Major Oil Storage Facility
25	NYCDOS MTS @ GREENPOINT	NORTH HENRY STREET	3525 feet to the E	Solid Waste Facility
5	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	3928 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site

6	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	3931 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
13	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	3931 feet to the E	Hazardous Substance Waste Disposal Site
27	GREENPOINT INCINERATOR		3943 feet to the E	Solid Waste Facility
14	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4031 feet to the E	Hazardous Substance Waste Disposal Site
39	FORMER MOBIL GREENPOINT TERMINAL	403 GREENPOINT AVENUE	4225 feet to the E	Major Oil Storage Facility
40	METRO TERMINALS CORP.	498 KINGSLAND AVENUE	4370 feet to the E	Major Oil Storage Facility
28	SUMMIT CARTING INC.		4671 feet to the E	Solid Waste Facility
10	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	4675 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
16	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	4678 feet to the E	Hazardous Substance Waste Disposal Site
195	74 INDIA	74 INDIA ST	785 feet to the ESE	Petroleum Bulk Storage Site
196	129 HURON ST	129 HURON ST	906 feet to the ESE	Petroleum Bulk Storage Site
171		111 INDIA ST	1164 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
124	203 JAVA ST.	203 JAVA ST	2104 feet to the ESE	Closed Status Tank Failure
102	MCGUISNESS BL	BET JAVVA & KENT	2233 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
182	SHELL GAS STATION	KENT ST/MCGINESS BLVD	2281 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
160		266 MCGUINNESS BLVD	2308 feet to the ESE	Closed Status Spill (Unk/Other Cause)
162	GREENPOINT AVE	GREENPOINT AVENUE &	2414 feet to the ESE	Closed Status Spill (Unk/Other Cause)
107	MERIT GAS STATION	210 GREENPOINT AVE	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
108	210 GREEN PT AVE.	210 GREEN PT AVE.	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
109	AMERADA HESS	210 GREENPOINT AVE	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
110	FORMER SHELL STATION	256 MCGUINNESS BLVD	2438 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
4	CARBONA PRODUCTS	330 CALYER STREET	3866 feet to the ESE	NYSDEC Inactive Haz Waste Site
9	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	4639 feet to the ESE	CERCLIS/NYSDEC Inactive Haz Waste Site
41	MOBIL OIL CORPORATION BROOKLYN TERMINAL	300 NORTH HENRY STREET	4639 feet to the ESE	Major Oil Storage Facility
15	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4650 feet to the ESE	Hazardous Substance Waste Disposal Site
238	METROPOLITAN PACKAGING MANUFAC	68 JAVA STREET	695 feet to the SE	Air Discharge Site
194	MICHAEL PISTILLI	85 JAVA ST	766 feet to the SE	Petroleum Bulk Storage Site
138	SB 8622	111 JAVA ST	985 feet to the SE	Closed Status Spill (Unk/Other Cause)
140	118 JAVA STREET	118 JAVE STREET	1045 feet to the SE	Closed Status Spill (Unk/Other Cause)
200	GUARD GENERAL MERCHANDISE CO	61 GREENPOINT AVE	1247 feet to the SE	Petroleum Bulk Storage Site
245	ASBESTOS FREE INC	144 FRANKLIN ST	1281 feet to the SE	Air Discharge Site
246	ASBESTOS FREE INC.	144 FRANKLIN ST.	1281 feet to the SE	Air Discharge Site
148	116 GREENPOINT AVE	116 GREENPOINT AVE	1450 feet to the SE	Closed Status Spill (Unk/Other Cause)
78	140 GREENPOINT AVE	140 GREENPOINT AVE	1621 feet to the SE	Active Haz Spill (Unknown/Other Cause)
86		137 MILTON ST	1784 feet to the SE	Active Haz Spill (Unknown/Other Cause)
87	109 NOBLE ST/BROOKLYN	109 NOBLE STREET	1794 feet to the SE	Active Haz Spill (Unknown/Other Cause)
88	MANHATTAN AND GREENPOINT	AVE MANHOLE-4327	1818 feet to the SE	Active Haz Spill (Unknown/Other Cause)
89		MANHATTAN AV & GREENPOINT	1818 feet to the SE	Active Haz Spill (Unknown/Other Cause)
178	860 MANHATTAN AVE/BKLYN	860 MANHATTAN AVENUE	2127 feet to the SE	Closed Status Spill (Misc. Spill Cause)
24	LOSTRITTO & CALANDRILLO		2918 feet to the SE	Solid Waste Facility
239	VANGUARD DIVERSIFIED INC	10 JAVA ST	756 feet to the SSE	Air Discharge Site
240	VANGUARD/DIV STACOR	10 JAVA ST	756 feet to the SSE	Air Discharge Site
213	VANGUARD INCORPORATED	10 JAVA ST	760 feet to the SSE	Hazardous Waste Generator/Transporter
225	VANGUARD CORP	10 JAVA STREET	761 feet to the SSE	Toxic Release Inventory Site
241	METROPOLITAN PACKAGING	67-73 KENT STREET	933 feet to the SSE	Air Discharge Site
199	MADIS GREENPOINT REALTY CO	96 WEST ST	1044 feet to the SSE	Petroleum Bulk Storage Site
218	CONSOLIDATED EDISON CO OF NY INC	FRANKLIN ST F/O 113	1233 feet to the SSE	Hazardous Waste Generator/Transporter
83	TM 1081	NOBLE ST /W OF WEST ST	1679 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
151	FRANKLIN & NOBLE ST	FRANKLIN & NOBLE ST	1720 feet to the SSE	Closed Status Spill (Unk/Other Cause)
90	VAULT 2772	45 WEST ST	1893 feet to the SSE	Active Haz Spill (Unknown/Other Cause)

	OAI :FRA AV/E I	OA / FRA N AVI	..069 fe ... ..e SS_	Active . ..z Spill (..... Spill C.....)
48	SHIMENTO TRUCKING INC.	11 WEST STREET	2334 feet to the SSE	Active Tank Test Failure
104	11 WEST STREET	11 WEST STREET	2334 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
111	VAULT 5803	QUAY ST/WEST ST	2450 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
112	VS 5761	QUAY ST/ E OF WEST ST	2461 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
113	MANHOLE #5761	QUA STREET & FRANKLYN AV	2482 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
49	54 FRANKLIN ST/BKLYN	54 FRANKLIN ST	2565 feet to the SSE	Active Tank Test Failure
1	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3265 feet to the SSE	CERCLIS Site
11	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3265 feet to the SSE	Hazardous Substance Waste Disposal Site
29	NATIONAL PAPER STOCK CART		4767 feet to the SSE	Solid Waste Facility
247	VANGUARD DIVERSIFIED INC	10 JAVA ST	764 feet to the S	Civil Enforcement Docket Site
37	BAYSIDE FUEL OIL DEPOT CORP.	1 NORTH 12TH STREET	3137 feet to the S	Major Oil Storage Facility
2	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3572 feet to the S	CERCLIS Site
12	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3572 feet to the S	Hazardous Substance Waste Disposal Site
26	NORTH 12 STREET T.S.		3618 feet to the S	Solid Waste Facility
3	BROOKLYN NORTH 1 GARAGE	50 KENT AVENUE	3716 feet to the S	NYSDEC Inactive Haz Waste Site
7	KENT TERMINAL	KENT AVE. BETWEEN N.5TH & N.11TH ST.	4037 feet to the S	NYSDEC Inactive Haz Waste Site
30	NEKBOH RECYCLING INC.		4899 feet to the S	Solid Waste Facility
36	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3113 feet to the SW	Major Oil Storage Facility
38	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3462 feet to the SW	Major Oil Storage Facility
222	NEWTOWN CREEK WATER POLLUTION CONTROL PLANT	301 GREENPOINT AVENUE	909 feet to the WSW	Chemical Bulk Storage Facility

Ide...fied Toxic Sites by Proximity

Greenpoint Lumber Yard, Brooklyn, NY 11222

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
50	MANHOLE 4273	FREEMAN ST & WEST ST	0 feet	Active Haz Spill (Unknown/Other Cause)
165	DUPONT ST/COMMERCIAL ST	DUPONT ST / COMMERCIAL ST	0 feet	Closed Status Spill (Misc. Spill Cause)
226	COURIER PACKAGING	220 WEST STREET	0 feet	Air Discharge Site
51	MANHOLE 64829	FRANKLIN AVE/DUPONT AVE	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
52	MANHOLE 64829	FRANKLIN &DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
53	MANHOLE #64829	FRANKLIN ST/OFF DUPONT	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
54	MANHOLE #64829	FRANKFORD ST & DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
55	MANHOLE #64829	FRANKLIN AV & DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
129	EAST RIVER	EAST RIVER- & GREEN ST	8 feet to the SW*	Closed Status Spill (Unk/Other Cause)
130	GREENPOINT DOCK	DUPONT STREET	21 feet to the NNW*	Closed Status Spill (Unk/Other Cause)
183	EAGLE STREEET ASSOC.	48 EAGLE STREET	21 feet to the ENE*	Petroleum Bulk Storage Site
56	TM # 2792	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
57	TM 2792	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
58	TM2815	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
203	NUHART COMPANY	49 DUPONT STREET	31 feet to the NE*	Hazardous Waste Generator/Transporter
204	NU HART	49 DUPONT STREET	31 feet to the NE*	Hazardous Waste Generator/Transporter
227	COURIER PACKAGING CO.ENTRANCE ON WEST ST	48 EAGLE STREET	35 feet to the ENE*	Air Discharge Site
228	CONSOLIDATED LAUNDRIES IN	3248 EAGLE STREET	35 feet to the ENE*	Air Discharge Site
229	NUHART COMPANY	49 DUPONT STREET	40 feet to the NE*	Air Discharge Site
230	NUHART & COMPANY	49 DUPONT STREET	40 feet to the NE*	Air Discharge Site
231	RIALTO PRODUCTS INC	61 GREEN STREET	74 feet to the ESE*	Air Discharge Site
184	RIALTO PRODUCTS INC	61-65 GREEN STREET	75 feet to the ESE*	Petroleum Bulk Storage Site
131	262 FRANKLIN ST/BKLYN	262 FRANKLIN STREET	98 feet to the ENE*	Closed Status Spill (Unk/Other Cause)
185	DEVEN LITHOGRAPHERS, INC.	15 HURON STREET	99 feet to the S*	Petroleum Bulk Storage Site
186	223 FRANKLIN ST	223 FRANKLIN ST	183 feet to the ENE*	Petroleum Bulk Storage Site
205	CON ED	7489 - 66 HURON ST	187 feet to the SE*	Hazardous Waste Generator/Transporter
59	RESIDENCE	87 EAGLE STREET	188 feet to the ENE*	Active Haz Spill (Unknown/Other Cause)
132	MANHOLE 7489	66 URON ST	191 feet to the SE*	Closed Status Spill (Unk/Other Cause)
187	CROSSTOWN BUS DEPOT	65 COMMERCIAL ST	195 feet to the NE*	Petroleum Bulk Storage Site
206	NEW YORK CITY TRANSIT AUTHORITY	65 COMMERCIAL AVENUE	195 feet to the NE*	Hazardous Waste Generator/Transporter
43	65 COMMERCIAL ST/BKLYN	65 COMMERCIAL STREET	201 feet to the NE	Active Tank Failure
207	LIQUIMARK	71 GREEN ST	205 feet to the ESE	Hazardous Waste Generator/Transporter
232	NYCTA CROSSTOWN ANNEX	65 COMMERCIAL STREET	206 feet to the NE	Air Discharge Site
188	FORMER UNITED FEATHER & DOWN INC.	77 COMMERCIAL STREET	227 feet to the NE	Petroleum Bulk Storage Site
208	HARTE & CO INC	77 COMMERCIAL ST	227 feet to the NE	Hazardous Waste Generator/Transporter
166	77 COMMERCIAL STREET	77 COMMERCIAL ST	233 feet to the NE	Closed Status Spill (Misc. Spill Cause)
167	COMMERCIAL ST	FRANKLIN ST	240 feet to the NE	Closed Status Spill (Misc. Spill Cause)
60	VAULT 852	10-20 CLAY ST	249 feet to the NE	Active Haz Spill (Unknown/Other Cause)
233	HARTE & CO INC	14 CLAY ST	267 feet to the NE	Air Discharge Site
61	VS 1106	2-20 CLAY ST	276 feet to the NE	Active Haz Spill (Unknown/Other Cause)
209	PAT & DOMS BODY & FENDERREPAIR	246 FRANKLIN STREET	300 feet to the E	Hazardous Waste Generator/Transporter
62	V# 1109 & V# 852	20 CLAY ST	320 feet to the NE	Active Haz Spill (Unknown/Other Cause)
125	145 WEST STREET	145 WEST STREET	331 feet to the SSE	Closed Status Tank Test Failure
126	145 WEST STREET	145 WEST STREET	331 feet to the SSE	Closed Status Tank Test Failure
133	HUXLEY ENVELOPE/WEST ST	HUXLEY ENVELOPE/WEST ST	331 feet to the SSE	Closed Status Spill (Unk/Other Cause)

189	HUXLEY ENVELOPE CORPORATION	1[illegible] WEST STREET	332 feet to the SSE	Petroleum Bulk Storage Site
210	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE	Hazardous Waste Generator/Transporter
63	MANHOLE 70407	I/F/I 20 CLAY ST	336 feet to the NE	Active Haz Spill (Unknown/Other Cause)
64	VALUT 7059	INDIA ST/WEST ST	363 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
65	VAULT 5337	INDIA ST/ WEST ST	363 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
134	STEVEN SUPPLY CO	15 CLAY ST	363 feet to the NE	Closed Status Spill (Unk/Other Cause)
135	15 CLAY ST	15 CLAY ST	363 feet to the NE	Closed Status Spill (Unk/Other Cause)
190	OSCAR'S SERVICE STATION INC	193 FRANKLIN ST	399 feet to the ESE	Petroleum Bulk Storage Site
211	INTERFLO TECHNOLOGIES	19 CLAY ST	401 feet to the NE	Hazardous Waste Generator/Transporter
234	OSCAR SERVICE STATIO	193 FRANKLIN STREET	404 feet to the ESE	Air Discharge Site
224	LIQUIMARK	19 CLAY ST.	409 feet to the NE	Toxic Release Inventory Site
235	REDOUND INDUSTRIES, INC - INTERFLO TECH	19 CLAY STREET	409 feet to the NE	Air Discharge Site
66	MANHOLE #4276	HURON ST / FRANKLIN ST	456 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
114	FRANKLIN STREET	HURON STREET	456 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
136	MANHOLE 7489	HURRON ST/FRANKLIN AVE	456 feet to the ESE	Closed Status Spill (Unk/Other Cause)
168	FRANKLIN / HURON STREETS	FRANKLIN / HURON STREETS	456 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
212	ELECTRICAL PRECISION METE	214 FRANKLIN ST	467 feet to the ESE	Hazardous Waste Generator/Transporter
191	STS CYRIL & METHODIOS RC SCH	96 DUPONT ST	600 feet to the ENE	Petroleum Bulk Storage Site
192	KENT TRANS AMERICA CLOTHING CO	122 WEST ST	616 feet to the SSE	Petroleum Bulk Storage Site
236	DISTINCTION IN WOODS LTD	106 GREEN ST	638 feet to the ESE	Air Discharge Site
237	DISTINCTION IN WOODS LTD	106 GREEN STREET	638 feet to the ESE	Air Discharge Site
193	65 JAVA STREET	65 JAVA STREET	643 feet to the SE	Petroleum Bulk Storage Site
238	METROPOLITAN PACKAGING MANUFAC	68 JAVA STREET	695 feet to the SE	Air Discharge Site
67	COMMERCIAL ST/BOX&CLAY ST	COMMERCIAL ST / BOX ST	716 feet to the NE	Active Haz Spill (Unknown/Other Cause)
137	MANHOLE 4284	COMMERCIAL ST AND BOX ST	716 feet to the NE	Closed Status Spill (Unk/Other Cause)
239	VANGUARD DIVERSIFIED INC	10 JAVA ST	756 feet to the SSE	Air Discharge Site
240	VANGUARD/DIV STACOR	10 JAVA ST	756 feet to the SSE	Air Discharge Site
213	VANGUARD INCORPORATED	10 JAVA ST	760 feet to the SSE	Hazardous Waste Generator/Transporter
225	VANGUARD CORP	10 JAVA STREET	761 feet to the SSE	Toxic Release Inventory Site
247	VANGUARD DIVERSIFIED INC	10 JAVA ST	764 feet to the S	Civil Enforcement Docket Site
194	MICHAEL PISTILLI	85 JAVA ST	766 feet to the SE	Petroleum Bulk Storage Site
195	74 INDIA	74 INDIA ST	785 feet to the ESE	Petroleum Bulk Storage Site
68		1079 MANHATTEN AVE	885 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
69	1071 MANHATTAN AVENUE	1071 MANHATTAN AVENUE	891 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
196	129 HURON ST	129 HURON ST	906 feet to the ESE	Petroleum Bulk Storage Site
222	NEWTOWN CREEK WATER POLLUTION CONTROL PLANT	301 GREENPOINT AVENUE	909 feet to the WSW	Chemical Bulk Storage Facility
70	1109 MANHATTAN AVE	1109 MANHATTAN AVE	915 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
197	GREENPOINT HOTEL	1109 MANHATTAN AVENUE	921 feet to the ENE	Petroleum Bulk Storage Site
71	BTWN DUPONT & FREEDOM ST	MANHATTAN AV	927 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
115	EAGLE ST & MANHATTAN AVE.	EAGLE ST / MANHATTAN AVE	927 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
116	EAGLE ST / MANHATTAN ST	EAGLE ST / MANH ST	927 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
241	METROPOLITAN PACKAGING	67-73 KENT STREET	933 feet to the SSE	Air Discharge Site
138	SB 8622	111 JAVA ST	985 feet to the SE	Closed Status Spill (Unk/Other Cause)
198	DUPONT ASSOC	127 DUPONT ST	992 feet to the ENE	Petroleum Bulk Storage Site
117	VAULT #V4191	FREEMAN/MANHATTAN	999 feet to the E	Active Haz Spill (Misc. Spill Cause)
139	SERVICE BOX 8463	210/212 FREEMAN AVENUE	999 feet to the E	Closed Status Spill (Unk/Other Cause)
72	MANHOLE #4294	MANHATEEN AV & BOX ST	1034 feet to the NE	Active Haz Spill (Unknown/Other Cause)
73	MANHOLE AT BOX STREET AND	MANHATTAN AVE	1034 feet to the NE	Active Haz Spill (Unknown/Other Cause)
199	MADIS GREENPOINT REALTY CO	96 WEST ST	1044 feet to the SSE	Petroleum Bulk Storage Site
140	118 JAVA STREET	118 JAVE STREET	1045 feet to the SE	Closed Status Spill (Unk/Other Cause)
214	KELLY CLEANERS	1036 MANHATTAN AVENUE	1059 feet to the E	Hazardous Waste Generator/Transporter
242	KELLY CLEANERS	1036 MANHATTAN AVENUE	1070 feet to the E	Air Discharge Site
215	PORT AUTHORITY NEW YORK/NEW JERSEY	HUNTERS PT 5500 2ND ST	1103 feet to the N	Hazardous Waste Generator/Transporter

169	182 FREEMAN ST/BKLYN	182 FREEMAN STREET	1120 feet to the E	Closed Status Spill (Misc. Spill Cause)
170	166 EAGLE ST	166 EAGLE ST	1126 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
216	APHRODITE CLEANERS II	1019 MANHATTAN AVENUE	1152 feet to the E	Hazardous Waste Generator/Transporter
171		111 INDIA ST	1164 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
217	NYNEX	GREEN ST & MANHATTAN	1169 feet to the E	Hazardous Waste Generator/Transporter
141	MANHOLE #TM642	BOX ST E OF MANHATTAN AV	1177 feet to the NE	Closed Status Spill (Unk/Other Cause)
74	MH 4285	MANHATTAN AVE/COMMERCIAL	1185 feet to the NE	Active Haz Spill (Unknown/Other Cause)
142	TRANSFORMER MANHOLE	MANHATTAN AVE &COMMERCIAL	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
143	MANHOLE 4285	MANHATTEN AV & COMERCIAL	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
144	MANHOLE #4285	MANHATTEN AV & COMM.ST.	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
145	MANHATTAN AVE & ASH ST	MANHATTAN AVE & ASH ST	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
223	MOTIVA ENTERPRISES LLC	25 PAIDGE AVENUE	1227 feet to the NE	Chemical Bulk Storage Facility
218	CONSOLIDATED EDISON CO OF NY INC	FRANKLIN ST F/O 113	1233 feet to the SSE	Hazardous Waste Generator/Transporter
200	GUARD GENERAL MERCHANDISE CO	61 GREENPOINT AVE	1247 feet to the SE	Petroleum Bulk Storage Site
201	GREENPOINT MANUFACTURING & DESIGN CENTER	1155-1205 MANHATTAN AVENUE	1265 feet to the NE	Petroleum Bulk Storage Site
17	DH FARNEY CONT. INC.		1267 feet to the N	Solid Waste Facility
75	NEW TOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE	Active Haz Spill (Unknown/Other Cause)
146	NEWTOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Unk/Other Cause)
147	1155-1205 MANHATTAN AVE	1155-1205 MANAHATTAN AVE	1275 feet to the NE	Closed Status Spill (Unk/Other Cause)
172	1155-1205 MANHATTAN AVE	1155-1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
173	1205 MANHATTAN AVE	1205 MANHATTAN AVE.	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
174	1205 MANHATTAN AVE	1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
175	1205 MANHATTAN AVE/BKLYN	1205 MANHATTAN AVENUE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
243	S & G INC.	1155 MANHATTAN AVE	1278 feet to the NE	Air Discharge Site
244	DISTINCTION IN WOOD INC.	1155-1205 MANHATTAN AVENUE	1278 feet to the NE	Air Discharge Site
245	ASBESTOS FREE INC	144 FRANKLIN ST	1281 feet to the SE	Air Discharge Site
246	ASBESTOS FREE INC.	144 FRANKLIN ST.	1281 feet to the SE	Air Discharge Site
219	NEW YORK CITY DEPT OF ENVIROMENTAL PROTE	CTION 1205 MANHATTAN AVENUE	1282 feet to the NE	Hazardous Waste Generator/Transporter
220	MINERALS & METALS - M & R CORP	1205 MANHATTAN AVE	1282 feet to the NE	Hazardous Waste Generator/Transporter
76	TM 0647	HERON STREET/MANHATTAN AV	1293 feet to the E	Active Haz Spill (Unknown/Other Cause)
77	TM #647	HURON ST/MANHATTEN AVE	1293 feet to the E	Active Haz Spill (Unknown/Other Cause)
202	APARTMENT HOUSE	168 HURON STREET	1295 feet to the E	Petroleum Bulk Storage Site
221	ANHEUSER BUSCH DISTRIBUTORS	55-01 SECOND STREET	1301 feet to the NNE	Hazardous Waste Generator/Transporter
18	MANHATTAN AVE. RECYCLING		1352 feet to the NE	Solid Waste Facility
148	116 GREENPOINT AVE	116 GREENPOINT AVE	1450 feet to the SE	Closed Status Spill (Unk/Other Cause)
19	ECONOMY CONTAINER SERVICE		1469 feet to the NE	Solid Waste Facility
45	29 ASH ST	29 ASH ST	1540 feet to the NE	Active Tank Test Failure
46	29 ASH ST/BKLYN/UNIVERSAL	29 ASH ST	1540 feet to the NE	Active Tank Test Failure
78	140 GREENPOINT AVE	140 GREENPOINT AVE	1621 feet to the SE	Active Haz Spill (Unknown/Other Cause)
79		CLAY ST & MCGUINNES BL	1636 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
149	MCGUINESS BLVD/CLAY ST	MCGUINESS BLVD/CLAY ST	1636 feet to the ENE	Closed Status Spill (Unk/Other Cause)
80	MANHOLE 19726	54TH AV WEST OF 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
81	MANHOLE 19726	54TH AV / 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
82	MANHOLE 19726	54TH AVE & 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
83	TM 1081	NOBLE ST /W OF WEST ST	1679 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
84	MCGUINESS & BOX ST	MCGUINESS & BOX ST	1697 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
150	NEWTOWN CREEK/MANH AVE	NEWTOWN CREEK/MANH AVE	1712 feet to the NE	Closed Status Spill (Unk/Other Cause)
176	MANH AVE/NEWTOWN CREEK	MANH AVE/NEWTOWN CREEK	1712 feet to the NE	Closed Status Spill (Misc. Spill Cause)
85	MANHOLE 4297	BOX ST & PAIDGE AVE	1714 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
151	FRANKLIN & NOBLE ST	FRANKLIN & NOBLE ST	1720 feet to the SSE	Closed Status Spill (Unk/Other Cause)
86		137 MILTON ST	1784 feet to the SE	Active Haz Spill (Unknown/Other Cause)
87	109 NOBLE ST/BROOKLYN	109 NOBLE STREET	1794 feet to the SE	Active Haz Spill (Unknown/Other Cause)
88	MANHATTAN AND GREENPOINT	AVE MANHOLE-4327	1818 feet to the SE	Active Haz Spill (Unknown/Other Cause)

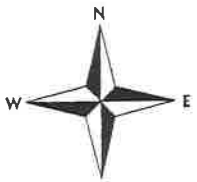
118		M.....ATTA..... & GR_____ OINT	1818 feet to the SE	Active Haz Spill (Unknown/Other Cause)
127	FINK BAKING	535 54TH AVE	1822 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
119	PULASKI SERVICE STATION	5-35 54TH AVE	1822 feet to the NNE	Closed Status Tank Test Failure
152	CON ED MANHOLE 4313	321 MCGUINNESS BLVD	1852 feet to the E	Active Haz Spill (Misc. Spill Cause)
90	VAULT 2772	MC GUINNESS & HURON ST	1879 feet to the E	Closed Status Spill (Unk/Other Cause)
153	315 MCGUINESS BLVD	45 WEST ST	1893 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
91	54-08 VERNON BLVD/QUEENS	315 MCGUINESS BLVD	1900 feet to the E	Closed Status Spill (Unk/Other Cause)
92	PULASKI BRDG/SHELL TERMNL	54008 VERNON BLVD	1950 feet to the NE	Active Haz Spill (Unknown/Other Cause)
120	OAK ST &FRANKLIN AV/BKLYN	NEWTOWN CREEK	1966 feet to the NE	Active Haz Spill (Unknown/Other Cause)
31	DITMAS OIL-LONG ISLAND CITY	OAK ST / FRANKLIN AVE	1969 feet to the SSE	Active Haz Spill (Misc. Spill Cause)
154	BORDEN AVE/LIRR PASS YARD	53-02 11TH ST.	2007 feet to the NE	Major Oil Storage Facility
177	LI PASSENGER YARD	BORDEN AVE/LIRR PASS YARD	2011 feet to the NNE	Closed Status Spill (Unk/Other Cause)
155	54TH AVA & VERNON BLVD	LI PASSENGER YARD	2011 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
156	54 STREET/VERNON BLVD	54TH AVE & VERNON BLVD	2026 feet to the NE	Closed Status Spill (Unk/Other Cause)
93	MANHOLE #62845	54 STREET/VERNON BLVD	2026 feet to the NE	Closed Status Spill (Unk/Other Cause)
94	MANHOLE 71304	MCGUINESS BLVE/INDIA ST	2041 feet to the E	Active Haz Spill (Unknown/Other Cause)
157	24 PAIGE AVENUE	MCGUINNESS BL/INDIA ST	2041 feet to the E	Active Haz Spill (Unknown/Other Cause)
95	RZ METAL CORP	24 PAIGE AVENUE	2056 feet to the ENE	Closed Status Spill (Unk/Other Cause)
20	MICHAEL FERRONE	247 HURON ST	2078 feet to the E	Active Haz Spill (Unknown/Other Cause)
96	NEW TOWN CREEK		2079 feet to the E	Solid Waste Facility
124	203 JAVA ST.	PULASKI BR AND BUDWEISER	2082 feet to the NE	Active Haz Spill (Unknown/Other Cause)
178	860 MANHATTAN AVE/BKLYN	203 JAVA ST	2104 feet to the ESE	Closed Status Tank Failure
44	25 PAIDGE AVE/BKLYN/SHELL	860 MANHATTAN AVENUE	2127 feet to the SE	Closed Status Spill (Misc. Spill Cause)
97	SHELL OIL CO	25 PAIDGE AVENUE	2130 feet to the ENE	Active Tank Failure
98	25 PAIDGE AVE/BKLYN	25 PAIDGE AV-WELS 15,16	2130 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
179	25 PAIDGE AVE/BKLYN	25 PAIDGE AVE	2130 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
99		25 PAIDGE AVENUE	2130 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
32	MOTIVA ENTERPRISES, LLC	53RD AVE/VERNON BLVD	2133 feet to the NE	Active Haz Spill (Unknown/Other Cause)
47	52-00 2ND ST/QU'NS/NORVAL	25 PAIDGE AVENUE	2135 feet to the ENE	Major Oil Storage Facility
100	MH #19726	52000 2ND ST	2186 feet to the NNE	Active Tank Test Failure
101	QUEENS MIDTOWN TUNNEL	2ND ST & BORDEN AVE	2193 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
158	217 INDIA STREET	BORDEN & 2ND ST	2193 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
102	MCGUISNESS BL	217 INDIA STREET	2228 feet to the E	Closed Status Spill (Unk/Other Cause)
121	502 BORDEN AVE/LIRR	BET JAVVA & KENT	2233 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
180	LONG ISLAND CITY YARD	502 BORDEN AVE	2245 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
181	266 FREEMAN ST/BROOKLYN	5-02 BORDEN AVENUE	2245 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
182	SHELL GAS STATION	266 FREEMAN STREET	2256 feet to the E	Closed Status Spill (Misc. Spill Cause)
159	262 HURON ST	KENT ST/MCGINESS BLVD	2281 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
122	LONG ISLAND CITY PASS YAR	262 HURON ST	2287 feet to the E	Closed Status Spill (Unk/Other Cause)
160		5-01 BORDEN AV	2303 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
103	MCGUINNESS & 54 AVE.	266 MCGUINNESS BLVD	2308 feet to the ESE	Closed Status Spill (Unk/Other Cause)
48	SHIMENTO TRUCKING INC.	MCGUINNESS & 54 AVE.	2332 feet to the NE	Active Haz Spill (Unknown/Other Cause)
104	11 WEST STREET	11 WEST STREET	2334 feet to the SSE	Active Tank Test Failure
105	NEWTOWN CREEK- PAIGE AVE	11 WEST STREET	2334 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
106	N E C / B N S	NEWTON CREEK -PAIGE AVE	2374 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
161	10-26 53RD AVENUE	10-26 53RD AVE	2399 feet to the NE	Active Haz Spill (Unknown/Other Cause)
33	DITMAS OIL-LONG ISLAND CITY	10-26 53RD AVENUE	2399 feet to the NE	Closed Status Spill (Unk/Other Cause)
162	GREENPOINT AVE	53-02 11TH ST.	2404 feet to the NE	Major Oil Storage Facility
128	02-24 51ST AVE/	GREENPOINT AVENUE &	2414 feet to the ESE	Closed Status Spill (Unk/Other Cause)
107	MERIT GAS STATION	02-24 51ST AVE	2425 feet to the NNE	Closed Status Tank Test Failure
108	210 GREEN PT AVE.	210 GREENPOINT AVE	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
109	AMERADA HESS	210 GREEN PT AVE.	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
		210 GREENPOINT AVE	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)

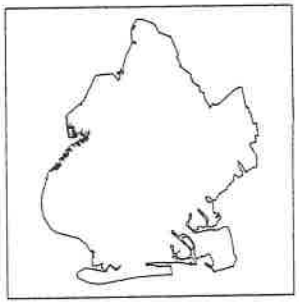
	IER S STA	2 CGUI 3 BL	2438 the E	Acti Haz Spil. (Unknown/Other Cause)
111	VAULT 5803	QUAY ST/WEST ST	2450 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
163	GREEN ST & PROVOST/BKLYN	GREEN ST & PROVOST	2455 feet to the E	Closed Status Spill (Unk/Other Cause)
112	VS 5761	QUAY ST/ E OF WEST ST	2461 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
113	MANHOLE #5761	QUA STREET & FRANKLYN AV	2482 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
21	PRONTO DEMO. CORP		2492 feet to the E	Solid Waste Facility
123	5TH ST & 51ST AVE	5TH ST & 51ST AVE	2526 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
49	54 FRANKLIN ST/BKLYN	54 FRANKLIN ST	2565 feet to the SSE	Active Tank Test Failure
164	GASETERIA / QUEENS	GASETERIA 11TH & BORDEN	2593 feet to the NE	Closed Status Spill (Unk/Other Cause)
34	EXXON COMPANY USA	320 FREEMAN STREET	2748 feet to the E	Major Oil Storage Facility
22	PEREZ INTERBORO T.S.		2782 feet to the ENE	Solid Waste Facility
23	NEWTOWN CREEK DREDG SLF		2782 feet to the ENE	Solid Waste Facility
24	LOSTRITTO & CALANDRILLO		2918 feet to the SE	Solid Waste Facility
35	EXXON COMPANY USA	320 FREEMAN STREET	3037 feet to the E	Major Oil Storage Facility
42	KOSAN INDUSTRIAL CORP	5-49 49TH AVENUE	3093 feet to the NNE	Hazardous Waste Treat, Storage, Disposal
36	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3113 feet to the SW	Major Oil Storage Facility
37	BAYSIDE FUEL OIL DEPOT CORP.	1 NORTH 12TH STREET	3137 feet to the S	Major Oil Storage Facility
1	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3265 feet to the SSE	CERCLIS Site
11	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3265 feet to the SSE	Hazardous Substance Waste Disposal Site
38	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3462 feet to the SW	Major Oil Storage Facility
25	NYCDOS MTS @ GREENPOINT	NORTH HENRY STREET	3525 feet to the E	Solid Waste Facility
2	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3572 feet to the S	CERCLIS Site
12	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3572 feet to the S	Hazardous Substance Waste Disposal Site
26	NORTH 12 STREET T.S.		3618 feet to the S	Solid Waste Facility
3	BROOKLYN NORTH 1 GARAGE	50 KENT AVENUE	3716 feet to the S	NYSDEC Inactive Haz Waste Site
4	CARBONA PRODUCTS	330 CALYER STREET	3866 feet to the ESE	NYSDEC Inactive Haz Waste Site
5	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	3928 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
6	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	3931 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
13	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	3931 feet to the E	Hazardous Substance Waste Disposal Site
27	GREENPOINT INCINERATOR		3943 feet to the E	Solid Waste Facility
14	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4031 feet to the E	Hazardous Substance Waste Disposal Site
7	KENT TERMINAL	KENT AVE. BETWEEN N.5TH & N.11TH ST.	4037 feet to the S	NYSDEC Inactive Haz Waste Site
39	FORMER MOBIL GREENPOINT TERMINAL	403 GREENPOINT AVENUE	4225 feet to the E	Major Oil Storage Facility
40	METRO TERMINALS CORP.	498 KINGSLAND AVENUE	4370 feet to the E	Major Oil Storage Facility
8	AMTRAK SUNNYSIDE YARD	39-29 HONEYWELL STREET	4504 feet to the NE	NYSDEC Inactive Haz Waste Site
9	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	4639 feet to the ESE	CERCLIS/NYSDEC Inactive Haz Waste Site
41	MOBIL OIL CORPORATION BROOKLYN TERMINAL	300 NORTH HENRY STREET	4639 feet to the ESE	Major Oil Storage Facility
15	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4650 feet to the ESE	Hazardous Substance Waste Disposal Site
28	SUMMIT CARTING INC.		4671 feet to the E	Solid Waste Facility
10	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	4675 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
16	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	4678 feet to the E	Hazardous Substance Waste Disposal Site
29	NATIONAL PAPER STOCK CART		4767 feet to the SSE	Solid Waste Facility
30	NEKBOH RECYCLING INC.		4899 feet to the S	Solid Waste Facility

Toxics Targeting
1 Mile Buffer Search Map

Greenpoint Lumber Yard

Brooklyn, NY 11222





Kings County

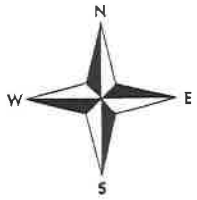
- NPL/CERCLIS/NYSDEC Inactive Hazardous Waste Disposal Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility

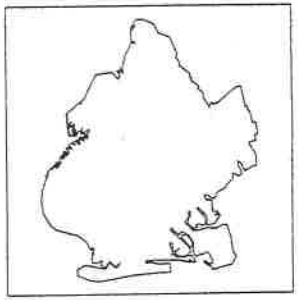
- Subject Area
- Waterbody
- Minor Roads
- Major Roads
- Expressways
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

Toxics Targeting
1/2 Mile Buffer Search Map

Greenpoint Lumber Yard

Brooklyn, NY 11222





Kings County

MTBE Gasoline Additive Spill

Hazardous Material Spill

Subject Area

Minor Roads

Major Roads

Expressways

1 Mile Radius

1/4 Mile Radius

Waterbody

County Border

Railroad Tracks

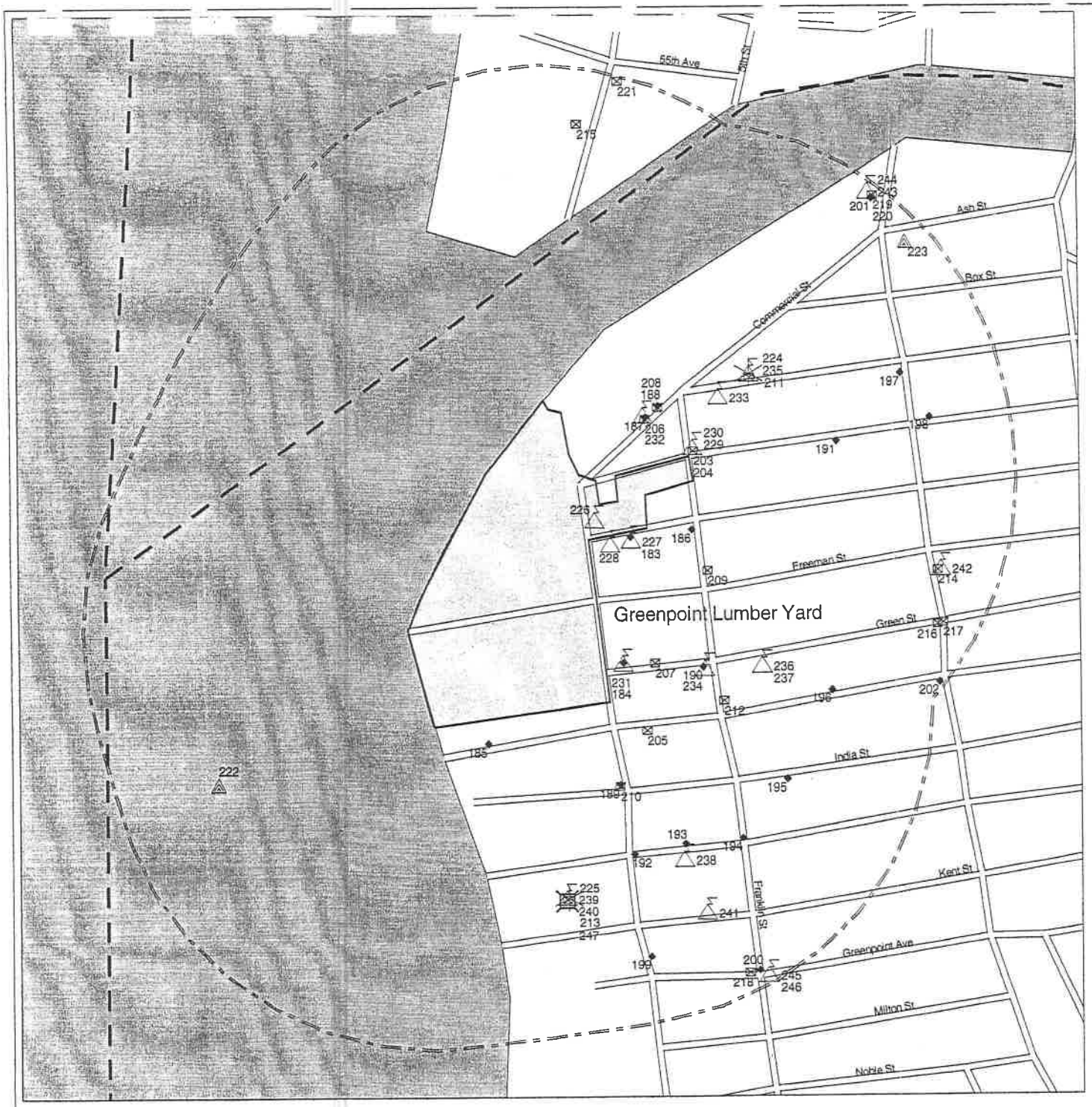
1/2 Mile Radius

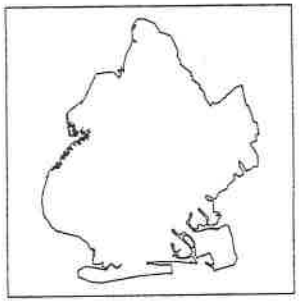
1/8 Mile Radius

Toxics Targeting
1/4 Mile Buffer Search Map

Greenpoint Lumber Yard

Brooklyn, NY 11222





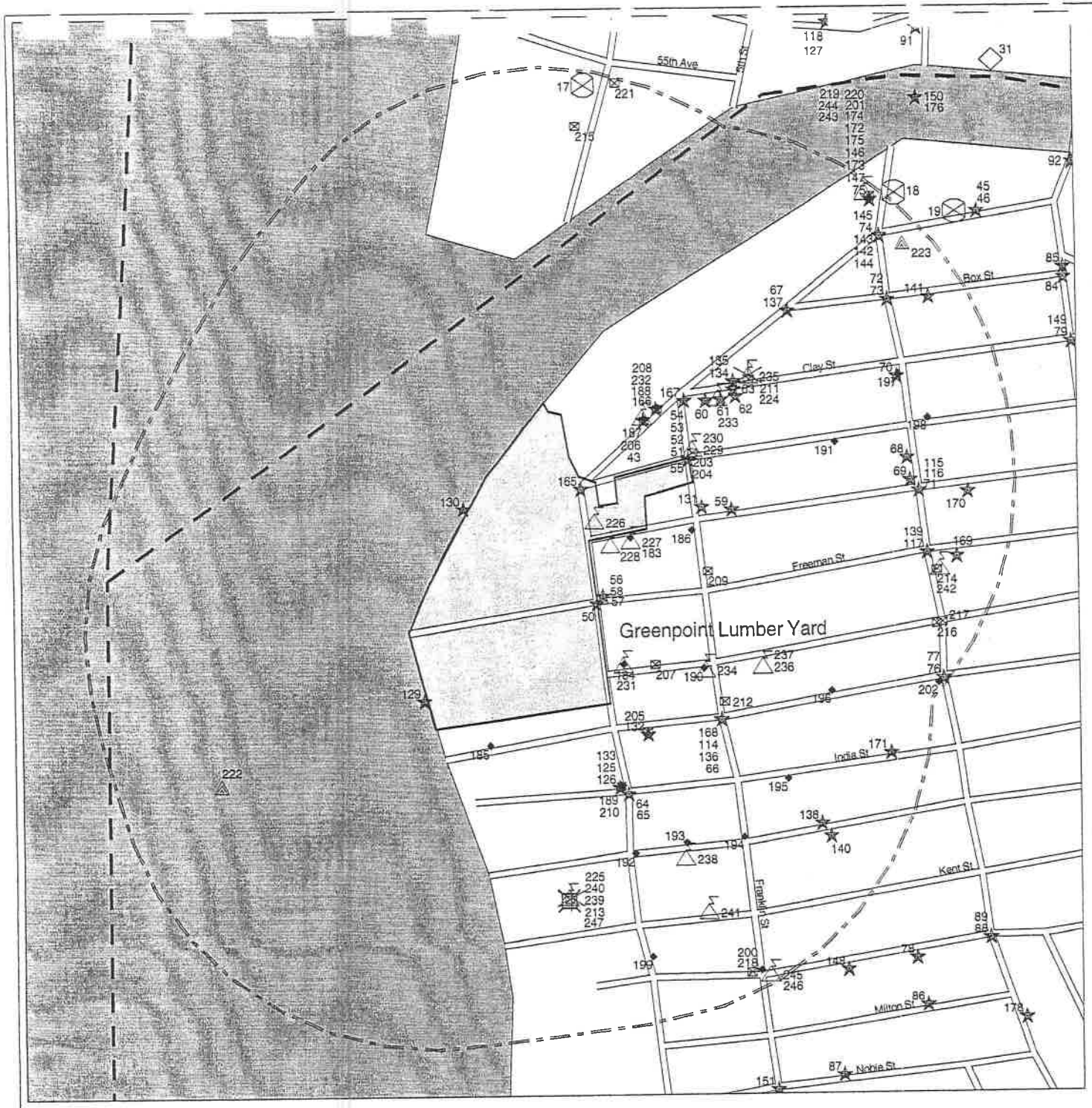
Kings County

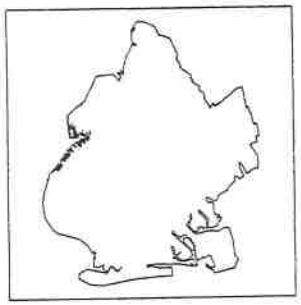
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Civil Enforcement Docket Facility
- Hazardous Waste Generator, Transp.
- Air Release
- Historic Utility Site
- Petroleum Bulk Storage Facility
- Subject Area
- Minor Roads
- Major Roads
- Expressways
- 1 Mile Radius
- 1/4 Mile Radius
- Waterbody
- County Border
- Railroad Tracks
- 1/2 Mile Radius
- 1/8 Mile Radius

Toxics Targeting
1/4 Mile Buffer Closeup Map

Greenpoint Lumber Yard

Brooklyn, NY 11222





Kings County

- NPL/CERCLIS/NYSDEC Inactive Hazardous Waste Disposal Site *
- Hazardous Waste Treater, Storer, Disposer *
- Hazardous Substance Waste Disposal Site *
- Major Oil Storage Facility *
- Chemical Storage Facility ***
- Toxic Release ***
- Wastewater Discharge ***
- Civil Enforcement Docket Facility ***
- MTBE Gasoline Additive Spill
- Solid Waste Facility *
- Hazardous Material Spill **
- Hazardous Waste Generator, Transp. ***
- Air Release ***
- Historic Utility Site ***
- Petroleum Bulk Storage Facility ***
- Subject Area
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- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

* 1 Mile Search Radius

** 1/2 Mile Search Radius

*** 1/4 Mile Search Radius

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Computerized Environmental Reports contain government and other information compiled on 17 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Profile data updated through: 5/24/2000. Data obtained by Toxics Targeting: 10/5/2000.
New Facilities updated to: 5/24/2000. Data obtained by Toxics Targeting: 10/5/2000.

2) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. NPL sites are also included in CERCLIS. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Profile data updated through: 12/28/2000. Data obtained by Toxics Targeting: 2/4/2001.
New Facilities updated through: 12/28/2000. Data obtained by Toxics Targeting: 2/4/2001.

3) **National Priority List for Federal Superfund Cleanup**: Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Profile data updated from: 6/2000-9/2000. Data obtained by Toxics Targeting: 2/1/2001.
New Facilities updated through: 12/19/2000. Data obtained by Toxics Targeting: 2/1/2001.

4) **Hazardous Substance Waste Disposal Site Study**: NYS database of waste disposal sites that may pose threats to public health or the environment, but cannot be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

5) **Solid Waste Facilities**: NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 1/01/1998. Data obtained by Toxics Targeting: 6/30/1998.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

6) **Major Oil Storage Facilities**: NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2] Data update schedule: rolling basis.
New facilities updated through: 7/1/2000. New facilities data obtained by Toxics Targeting: 7/17/2000.
Tank data updated through: 7/1/2000. Tank data obtained by Toxics Targeting: 7/17/2000.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information**: New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Manifest transactions data updated to: 1/01/1999. Manifest transactions data obtained by Toxics Targeting: 3/27/1999.
New facilities updated through: 1/01/1999. New facilities obtained by Toxics Targeting: 3/27/1999.

(b) **Notifier Information**: U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 3/26/1998. Data obtained by Toxics Targeting: 4/9/1998.
Data attributes updated through: 12/22/1998. Data obtained by Toxics Targeting: 3/30/1999.

(c) **RCRA Violations Information:**
U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 3/26/1998. Data obtained by Toxics Targeting: 4/9/1998.
Data attributes updated through: 12/23/1998. Data obtained by Toxics Targeting: 12/30/1998.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.
Source: U. S. Environmental Protection Agency[1]
Data updated through: 4/20/2000. Data obtained by Toxics Targeting: 5/10/2000.

8) **Spills Information Database:** Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported between 4/1/1986 and 4/1/2001.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]
New spill additions data updated through: 04/01/2001. New spill additions data obtained by Toxics Targeting: 04/46/2001.
Spill attribute data updated through: 04/01/2001. Spill attribute data obtained by Toxics Targeting: 04/26/2001.

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons. ASTM required.* Fannie Mae required.**

All New York Counties except Cortland, Nassau, Rockland, and Suffolk:
Source: NYS Department of Environmental Conservation.[2]
Update schedule: rolling basis, with summary compilations made available approximately every three months
Facility data updated through: 1/1/2001 (10/1/98 for Westchester Co.). Facility data obtained by Toxics Targeting: 2/16/2001.
Tank data updated through: 1/1/2001 (10/1/98 for Westchester Co.). Tank data obtained by Toxics Targeting: 2/16/2001.

Nassau County:
Heat producing products and other products with less than 1,000 gallons storage capacity:
Source: Nassau County Department of Health.[3] Data update schedule: rolling basis
Data updated through: 10/4/2000. Data obtained by Toxics Targeting: 11/5/2000.

Generally non-heat producing products with more than 1,000 gallons storage capacity:
Source: Nassau County Fire Marshall. [4] Data update schedule: rolling basis with annual update
Data updated through: 9/27/1996. Data obtained by Toxics Targeting: 11/20/1996.

Rockland County:
Source: Rockland County Department of Health. [5]
Data updated through: 8/11/1998. Data obtained by Toxics Targeting: 8/17/1998.

Suffolk County:
Source: Suffolk County Department of Health Services. [6]
Data updated through: 1/12/1999. Data obtained by Toxics Targeting: 2/26/1999.

10. **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the New York State Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Manifest transactions data updated to: 1/01/1999. Manifest transactions data obtained by Toxics Targeting: 3/27/1999.
New facilities updated through: 1/01/1999. New facilities obtained by Toxics Targeting: 3/27/1999.

(b) **RCRA Notifier Information:** U. S. Environmental Protection Agency database of hazardous waste facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 3/26/1998. Data obtained by Toxics Targeting: 4/9/1998.
Data attributes updated through: 12/22/1998. Data obtained by Toxics Targeting: 3/30/1999.

(c) **RCRA Violations Information**: U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 3/26/1998. Data obtained by Toxics Targeting: 4/9/1998.
Data attributes updated through: 12/23/1998. Data obtained by Toxics Targeting: 12/30/1998.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information**: U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.
Source: U. S. Environmental Protection Agency[1]
Data updated through: 4/20/2000. Data obtained by Toxics Targeting: 5/10/2000.

11) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Data updated through: 4/1/2000. Data obtained by Toxics Targeting: 4/7/2000.

12) **Toxic Release Inventory**: New York State and Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: NYS Department of Environmental Conservation[2]/U. S. Environmental Protection Agency.[1]
Data update schedule: rolling basis, with annual information summary for previous year's activities available from NYSDEC each July 1, with corrections and additional information available approximately mid-August.
Data updated through: 5/9/1996. Data obtained by Toxics Targeting: 5/14/1996

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/06/2000

15) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 9/23/1996. Data obtained by Toxics Targeting: 9/30/1996

16) **U. S. Environmental Protection Agency Civil Enforcement Docket**: This database is the U. S. EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Date updated through: 4/1996. Date information obtained by Toxics Targeting: 8/1996

17) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

*American Society of Testing Materials Standards on Environmental Site Assessments for Commercial Real Estate (E 1527-93, E 1528-93).
** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 50 Wolf Road, Albany, NY 12233.

[3]Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.

[4]Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.

[5]Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.

[6]Suffolk County Department of Health Services, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220.

APPENDIX D
NEW YORK CITY FIRE AND BUILDINGS DEPARTMENT RECORDS

A-95A (7/97) 110-971135-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO:

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

Search No. 08402

The undersigned requests the following information:

237 Franklin Street — ADDRESS
Brooklyn — BOROUGH

For Buried Motor **Vehicle Fuel Tanks** Only

- [x] N/R 1. No. and size of tanks (includes date of installation) ..... Fee $10.00
- [x] 2. No. and size of sealed and/or removed tanks ..... Fee $10.00
- [ ] 3. Most recent tank and/or piping test results, including type of test performed Fee $10.00
- [ ] 4. History of leaks ..... Fee $10.00
- [ ] 5. Pending Headquarters violation orders ..... Fee $10.00
- [ ] 6. Other _____ Fee $10.00

Total $10.00

State applicants interest in or relation to premises:
Environmental Review
(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed Nina Sotinou

Date 6/28/01

DO NOT WRITE BELOW THIS LINE

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following: (ADDITIONAL COMMENTS ARE MADE ON REVERSE SIDE).

D, E, F or VOIDED

NO RECORD

Searched By: Zlcare 6/29/01

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS.

A-96A (7/97) 110-971136-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
FUEL (HEATING) OIL

TO:

Search No._____

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

undersigned requests the following information re: Premises

237 Franklin Street — ADDRESS
Brooklyn — BOROUGH

el (Heating) Oil Tanks Only

1. No. and Size of tanks (includes date of installation) ..... Fee: $10.00
2. No. and Size of sealed and/or removed tanks ..... Fee: $10.00
   Searched by _____ Date _____
3. Pending Headquarters violation orders ..... Fee: $10.00
4. Other _____ Fee: $10.00

total $20

e: The N.Y.C. Fire Department Does Not Conduct Tests on Fuel (Heating) Oil Tanks.

Applicants interest in or relation to premises:

Environmental Review

Signed Mimi Sotiriou

Date 6/28/01

DO NOT WRITE BELOW THIS LINE

tlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL COMMENTS ON REVERSE SIDE)

R,C Accounts

No Record

rded by: [illegible] 6/29/01

ATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE 'ENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ED. ALL REPORTED TANK INFORMATION COMES FROM RECORDS WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS IN COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

A-95A (7/97) 110-971135-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO:

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

Search No._____

The undersigned requests the following information:

171 West Street — ADDRESS
Brooklyn — BOROUGH

For Buried Motor **Vehicle Fuel Tanks** Only

- [x] 1. No. and size of tanks (includes date of installation) ..... Fee $10.00
- [x] 2. No. and size of sealed and/or removed tanks ..... Fee $10.00
- [ ] 3. Most recent tank and/or piping test results, including type of test performed Fee $10.00
- [ ] 4. History of leaks ..... Fee $10.00
- [ ] 5. Pending Headquarters violation orders ..... Fee $10.00
- [ ] 6. Other _____ Fee $10.00

Total $10.00

State applicants interest in or relation to premises:
Environmental Review
(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed Mimi Sotiriou
Date 6/28/01

DO NOT WRITE BELOW THIS LINE

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following: (ADDITIONAL COMMENTS ARE MADE ON REVERSE SIDE).

D, E, F or VOIDED

No Record.

Searched By: [illegible] 6/29/01

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS.

A-96A (7/97) 110-971136-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
FUEL (HEATING) OIL

AIL TO: Search No.

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

.e undersigned requests the following information re: Premises

171 West Street — ADDRESS
Brooklyn — BOROUGH

ɔı Fuel (Heating) Oil Tanks Only

1. No. and Size of tanks (includes date of installation) ..... Fee: $10.00
2. No. and Size of sealed and/or removed tanks ..... Fee: $10.00
   Searched by _____ Date _____
3. Pending Headquarters violation orders ..... Fee: $10.00
4. Other _____ Fee: $10.00

total $20

ol : The N.Y.C. Fire Department Does Not Conduct Tests on Fuel (Heating) Oil Tanks.

tate Applicants interest in or relation to premises:

Environmental Review

Signed Mimi Sotinou

Date 8/28/01

DO NOT WRITE BELOW THIS LINE

entlemen:

n reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL COMMENTS ON REVERSE SIDE)

R,C Accounts

No Record

ɜɜ :hed by: 6/29/01

OLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE IEVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ˹ˡˡD. ALL REPORTED TANK INFORMATION COMES FROM RECORDS WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS ı ı I COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

A-95A (7/97) 110-971135-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO:

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

Search No.

he undersigned requests the following information:

37 Commercial Street — ADDRESS
Brooklyn — BOROUGH

For Buried Motor **Vehicle Fuel Tanks** Only

- [X] NR 1. No. and size of tanks (includes date of installation) ..... Fee $10.00
- [X] 2. No. and size of sealed and/or removed tanks ..... Fee $10.00
- [ ] 3. Most recent tank and/or piping test results, including type of test performed Fee $10.00
- [ ] 4. History of leaks ..... Fee $10.00
- [ ] 5. Pending Headquarters violation orders ..... Fee $10.00
- [ ] 6. Other _____ Fee $10.00

Total 10.00

tate applicants interest in or relation to premises:
Environmental Review
(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed Mimi Sotiriou

Date 6/28/01

DO NOT WRITE BELOW THIS LINE

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following: (ADDITIONAL OMMENTS ARE MADE ON REVERSE SIDE).

D, E, F or VOIDED

NO RECORD

earched By: [illegible] 6/29/01

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF RE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS.

A-96A (7/97) 110-971136-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
FUEL (HEATING) OIL

IL TO: Search No.

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

: undersigned requests the following information re: Premises

37 Commercial Street — ADDRESS
Brooklyn — BOROUGH

l el (Heating) Oil Tanks Only

1. No. and Size of tanks (includes date of installation) ..... Fee: $10.00
2. No. and Size of sealed and/or removed tanks ..... Fee: $10.00
   Searched by _____ Date _____
3. Pending Headquarters violation orders ..... Fee: $10.00
4. Other _____ Fee: $10.00

total $20

e. The N.Y.C. Fire Department Does Not Conduct Tests on Fuel (Heating) Oil Tanks.

'e Applicants interest in or relation to premises:

Environmental Review

Signed Mimi Sotiriou

Date 6/28/01

DO NOT WRITE BELOW THIS LINE

ıtlemen:

l reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL COMMENTS ON REVERSE SIDE)

R,C Accounts

NO RECORD

rc ed by: J. Lane 6/29/01

ATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE 'ENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ALL REPORTED TANK INFORMATION COMES FROM RECORDS WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS ı COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

WARNING ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

Please deliver to the undersigned the following public records for:

Examination ☒ Amendment ☐ Consultation ☐ Recommendation ☐ Permit ☐

(Please Print)

Name Mimi Sotiriou Phone (212) 696-0670

Firm or Agency AKRF, Inc.

Address 117 East 29th Street Borough Manhattan

Relationship to property Agent (Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.) Representing the Owner (Owner, Lessee, etc.)

Record(s) Received ..... (Signature)

Record(s) Received ..... (Date/Time) (Signature) plan desk clerk Record(s) Received ..... (Date/Time) (Signature) plan desk clerk

B FORM 69

Please check Plans ☒ Applications ☒

BOROUGH Brooklyn

LOCATION

N.B. Alt. Misc. etc. No. 19

BLOCK 2510 (Application) LOT 1

WARNING ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

Please deliver to the undersigned the following public records for:

Examination ☒ Amendment ☐ Consultation ☐ Recommendation ☐ Permit ☐

(Please Print)

Name Mimi Sotiriou Phone (212) 696-0670

Firm or Agency AKRF, Inc.

Address 117 East 29th Street Borough Manhattan

Relationship to property Agent (Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.) Representing the Owner (Owner, Lessee, etc.)

Record(s) Received ..... (Signature)

Record(s) Received ..... (Date/Time) (Signature) plan desk clerk Record(s) Received ..... (Date/Time) (Signature) plan desk clerk

B FORM 69

Please check Plans ☒ Applications ☒

BOROUGH Brooklyn

LOCATION

N.B. Alt. Misc. etc. No. 19

BLOCK 2520 (Application) LOT 57

BLOCK 2494 LOT 1
Application

No. 19
N.B. Alt. Misc. etc.

LOCATION

BOROUGH Brooklyn

Please check Plans ☒ Applications ☒

WARNING ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

Please deliver to the undersigned the following public records for:
Examination ☒ Amendment ☐ Consultation ☐ Recommendation ☐ Permit ☐

(Please Print)
Name Mimi Sotiriou Phone (212) 696-0670
Firm or Agency AKRF, Inc.
Address 117 East 29th Street Borough: Manhattan
Relationship to property Agent (Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.) Representing the Owner (Owner, Lessee, etc.)

Record(s) Received ..... (Signature)

Record(s) Received ..... (Date/Time) (Signature) plan desk clerk Record(s) Received ..... (Date/Time) (Signature) plan desk clerk

B FORM 69

BLOCK 2502 LOT 1
Application

No. 19
N.B. Alt. Misc. etc.

LOCATION

BOROUGH Brooklyn

Please check Plans ☒ Applications ☒

WARNING ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

Please deliver to the undersigned the following public records for:
Examination ☒ Amendment ☐ Consultation ☐ Recommendation ☐ Permit ☐

(Please Print)
Name Mimi Sotiriou Phone (212) 696-0670
Firm or Agency AKRF, Inc.
Address 117 East 29th Street Borough: Manhattan
Relationship to property Agent (Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.) Representing the Owner (Owner, Lessee, etc.)

Record(s) Received ..... (Signature)

Record(s) Received ..... (Date/Time) (Signature) plan desk clerk Record(s) Received ..... (Date/Time) (Signature) plan desk clerk

B FORM 69

THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS

G 901

Block & Lot

2 Customers waiting to be served

8:44am 6-29-01

THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS

G 900

Block & Lot

1 Customers waiting to be served

8:42am 6-29-01

BLOCK 2472 Application LOT Lots 2, 32, 100, 410, 425

No. 19

N.B. Alt. Misc. etc.

LOCATION

BOROUGH Brooklyn

Please check Plans ☒ Applications ☒

ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

igned the following public records for:

dment ☐ Consultation ☐ Recommendation ☐ Permit ☐

Spirion

F, Inc.

ast 29th Street

Phone (212) 696-0670

Borough Manhattan

Agent

Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.

Representing the Owner

Owner, Lessee, etc.

Signature

Record(s) Received

(Signature) plan desk clerk

Date/Time

(Signature) plan desk clerk

B FORM 69

F 24/01 FINAL CO ADDRESS PROPERTY PROFILE OVERVIEW BTSPI070
..... WEST STREET..... 3 BROOKLYN 11222 BIN# 3064007

F 1 STREET 179 - 195 HEALTH AREA : 01 TAX BLK: 2510.
F FRANK STREET 17 - 27 GENERIC TRACT: 477 TAX LOT: 1....
REEN STREET 5 - 55 COMMUNITY BD: 301 CONDO :
MUNICIPALITY: 01 VACANT :

OR SPECIAL PLACE NAME : PROPERTY RECORD(S)
OR ADDITIONAL REMARKS :
LANDMARK DESIGNATION CODE : 79-MIDDLE LANDMARK LANDMARK STATUS:

COMMON FOR THIS BIN REVIEWED VERIFIED : NO
TOTAL : 0 : 0 ADDRESS/BUILDING (PF4) SPECIAL STATUS :
TOTAL OCCUPIED : 0 : 0 OPEN LOCAL LAW : NO
FOR : 1 : 1 OPEN (PF12) SRO : NO
COMMERCIAL : 0 : 0 OPEN (PF11)

F 3 = PREVIOUS ENTER KEY= BUILDING PF 5/6/7 = NEW ADDR/BIN/BLK-LOT
F 6 = BUILDING (TYPE : ....) PF 9/10 = BROWSE BIN/BLK-LOT
F 11 (AREA'S FILED) PF 13 = BROWSE 1 PROPERTY RECORDS
F 14 = LPC/BPO/LIPA USE ONLY PF 16 = ADDITIONAL PROPERTY INFO

F 24/01 1 BUILDING AT 179 WEST STREET BROOKLYN BTSPOCV3
BLOCK: 02510 LOT: 00001 PAGE 1

: VERIFICATION:

F PREV SCREEN PRE-REQUISITE(ENTER TYPE ....) TOP , NO. TO ZOOM

[illegible] FRANKLIN STREET ..... BROOKLYN 11222 BIN# 3043799

[illegible] STREET [illegible] - 241 HEALTH AREA : 01 TAX BLK: 2494,
[illegible] STREET [illegible] - 20 DEMOLITION TRACT: 077 TAX LOT: 1....
[illegible] STREET 31 - 49 COMMUNITY BD: 301 CONDO :
MULTI STRUCT: 01 VACANT :

SPECIAL PLACE NAME :
BUILDING REMARKS :
LANDMARK DESIGNATION DATE : 79-MISCELLANEOUS LANDMARK STATUS:

1 PROPERTY RECORD(S)

RECORD VERIFIED : YES
SPECIAL STATUS :
LOCAL LAW : NO
SRD : NO

BUILDING	: 12	: 1	LINKS/FILINGS (PF4)
BUILDING DOB	: 0	: 0	OPEN
PTCR	: 0	: 0	OPEN (PF12)
COMPLAINTS	: 0	: 0	OPEN (PF11)

F 1 = PROPERTY ENTER KEY- BUILDING PF 3/A/Z = NEW ADDR/BIN/BLK-LOT
PF 6 = BUILDING (TYPE : ....) PF 9/10 = BROWSE BIN/BLK-LOT
PF 11 = BROWSE 1 PROPERTY RECORDS
PF 16 = ADDITIONAL PROPERTY INFO
PF 14 = PREV/NEXT USE LINKS

[illegible]/2001 12 BUILDING AT 243 FRANKLIN STREET BROOKLYN BJAP00V3
BLOCK: 02494 LOT: 00001 PAGE 1

ALT [illegible]-0[illegible] ALT [illegible]-00 ALT ERROR
DEMOL [illegible]-[illegible] [illegible] [illegible]-[illegible] MTA 917-235-45-113060
MTAL [illegible]-00 NR [illegible]-24 NR 14.17-25
PMD [illegible]-28 TEMP 280-[illegible] TEMP 92-[illegible]

PREV SCREEN PF4-REFRESH(ENTER TYPE ....) DOB . NOT TO 2000M

```
: 09/01          PUBLIC ADDRESS PROPERTY PROFILE INQUIRY                    BIRPI070
/............ COMMERCIAL STREET............... X BROOKLYN        11222 BIN# 3063675

  MERCIAL STREET     77 - 77                    HEALTH AREA : 01        TAX BLK: 2472,
                                                CENSUS TRACT: 177       TAX LOT: 410,
                                                COMMUNITY BD: 301       CONDO  :
                                                MULTI STRUCT: 01        VACANT :
: ==================================================================================
IN OFFICIAL PLACE NAME :                                    ;   PROPERTY RECORD(S)
IN ADDITIONAL REMARKS  :
: ANCY INCONSISTENCY CODE : F1-FACTORY/INDUSTRIAL   LANDMARK STATUS:

COUNTS FOR DATA BIN                                          RECORD VERIFIED : YES
  COUNTS          : 15     : 3     DONE/FILE INAK (PF4)      SPECIAL STATUS :
  DEALLOCATING DOR : 5     : 1     OPEN                          LOCAL LAW : NO
            FOR : 0     : 0     OPEN     (PF10)                       SRO : NO
  COMPLAINTS      : 0     : 0     OPEN     (PF11)
=================================================================================
PF 3 - ELEVATORS    ENTER KEY= ADDING   PF 3/A/7 = NEW ADDR/BIN/BLK-LOT
PF 8 - BUILDING     (TYPE : ....  )     PF 9/10  = RETRIEVE BIN/BLK-LOT
PF 13 - FRA/ARA                         PF 15    = ARCHIVE 1   PROPERTY RECORDS
PF 14 - FD/RPD/TIFF DEF CONDY           PF 16    = ADDITIONAL PROPERTY INFO

: 09/01     24     ADDING AT 77 COMMERCIAL STREET BROOKLYN                BIRPDCV3
                   BORO: 03472    LOT: 00410                               PAGE 1

: DOB   1B1AA-A1          DOB   7A7.37-.31          DFM   119-23
  DFM   83-24             DFM   11A-24              DFM   34B-30
: FD    9AA.1-4A ✓        FD    .179-00(77) ✓       FD    477-84(77) ✓
: FD    92A-AA ✓          NB    14929-1.1           NB    11A33-33
  NB    9711-.3           NB    A.38A-.31           NB    15977-35
  NB    11029-.1          PNB   1010-84(77)         SHED  17882-17
: SFB   27A-021.3A.1      V*    07AA4F011           V*    0829931L629126801
  V*    0210971LA2912.3420  V*  041A97LLA29122A3725  V     0207001LA291183BB

:

:

:

:

:

PF1-PREV SCREEN   PFA-REFRESH(ENTER TYPE ....)   (DOL , NYC TO 700M
```

GREENPOINT LUMBER YARD

BROOKLYN, NEW YORK

PHASE II SITE INVESTIGATION REPORT

Prepared for:

Park Tower Realty Corp.
499 Park Avenue
New York, New York 10022

Prepared by:

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212)-696-0670

October 2, 2001

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APPENDICES

Appendix A - Boring Logs
Appendix B - Laboratory Analytical Results

1.0 INTRODUCTION

A subsurface investigation was performed on the approximately 20+-acre Greenpoint Lumber Yard Site (Project Site or Site) in the Greenpoint neighborhood of Brooklyn, New York to identify potential contamination in the soil and groundwater. The Project Site consists of Tax Block 2472, Lots 1, 32, 100, 410 and 425; Tax Block 2494, Lot 1; Tax Block 2502, Lot 1; Tax Block 2510, Lot 1; and Tax Block 2520, Lot 57. The subject blocks are generally bounded to the north by Newtown Creek; to the east by portions of Commercial, Franklin and West Streets; to the south by Huron Street; and to the west by the East River. Please see Figure 1 for Project Site Location.

The Phase II Environmental Site Investigation addresses recommendations made by AKRF, Inc. in a Phase I Environmental Site Assessment performed on the Project Site in July 2001. The Investigation was performed on August 16 and 17, 2001. Five soil borings and five soil boring / groundwater monitoring wells were completed as part of the investigation. This report summarizes the results of the soil and groundwater testing and includes conclusions and recommendations.

The Greenpoint Lumber Yard site has over a 100-year history primarily as a lumber yard. Other historical non-lumber-related uses included:

- New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (Tax Block 2520, Lot 57 and Tax Block 2510);
- New York Quebracho Extract Company ca. 1916 (Tax Block 2520, Lot 57 and Tax Block 2510);
- A.K. Meserole & Company, a mason material and coal storage yard) ca. 1916 (Tax Block 2502);
- C. Winant's Spar Company ca. 1916 (Tax Block 2502);
- Export Auto Case Company ca. 1916 (Tax Bloxk 2502);
- O'Rouke Engineering and Construction Company ca. 1905 (Tax Block 2472);
- New York State Barge Canal Terminal and Alberene Stone Company Tub Storage ca. 1916 (Tax Block 2472);
- Greenpoint Coal Docks, Inc. ca. 1942 through ca. 1951 (Tax Block 2472).

The main environmental concerns related to the redevelopment of the site include potential former site usage for pressure-treating lumber, an on-site former extract and chemical company, current auto repair and auto parking uses and several potential underground petroleum storage tanks. Lumber yards, where pressure treatment occurred, are typically contaminated with creosote (a coal tar derivative, which contains elevated levels of polyaromatic hydrocarbons and phenols) or with heavy metals (such as chromium or arsenic). Substances used by the chemical and extract companies could have impacted subsurface soil and/or groundwater with any number of contaminants. Additionally, aboveground and potential underground storage tanks were noted in the Phase I report and portions of the property are currently used for auto repair. In the areas

of known or potential tanks, subsurface petroleum and/or PCB contamination could be present. Solvent contamination could be present in areas historically used for auto repair.

1.1 Site Description

The Project Site currently contains the following structures: a two-story brick and concrete office, a small brick guard shed and a large corrugated metal garage near the intersection of Green and West Streets; and a second brick guard shack, which has been converted for auto repair, at the intersection of Dupont and Franklin Streets. The remainder of the property consists of open areas which are used by 13 tenants, primarily for contractor's materials storage.

The surface topography on the Project Site generally slopes downward to the north, toward Newtown Creek and to the west, toward the East River. Based on reports compiled by the U.S. Geological Survey, the surface elevation of the Site is approximately five to fifteen feet (National Geodetic Vertical Datum of 1929), depending on the area of the Site. Groundwater is located approximately six to fifteen feet below the surface of the site. The expected direction of groundwater flow would be to the north, toward Newtown Creek and/or to the west, toward the East River.

1.2 Previous Studies

A Phase I Environmental Site Assessment was performed by AKRF, Inc. in July 2001 on the Project Site. An Addendum to the Phase I Environmental Site Assessment was issues by AKRF, Inc. on July 17, 2001. The Phase I Assessment met the requirements of the American Society for Testing and Materials (ASTM), as established by ASTM Standard E 1527-00, and included a site inspection, a review of historical fire insurance (Sanborn) maps and a review of federal, state and local regulatory databases. Recognized environmental conditions included former site usage as a lumber yard and the possible former on-site pressure treatment of lumber; a former on-site chemical and extract company; the current use for auto parking and repair; and aboveground and potential underground petroleum storage tanks.

2.0 SOIL BORINGS AND MONITORING WELLS

2.1 Summary of the Site Investigation

Soil and groundwater boring and sampling activities occurred on August 16 and 17, 2001. AKRF's field crew consisted of Mimi Sotiriou and Melissa McGoogan. Aquifer Drilling and Testing advanced the soil borings and installed temporary groundwater monitoring wells.

Five soil borings and five soil boring / groundwater monitoring wells were completed. The borings were biased towards the location of the former chemical and extract

companies, areas near potential underground storage tanks, and areas where lumber storage and possible treatment occurred. Please see Figure 2 for the Boring and Monitoring Well locations. Borings were advanced to groundwater level except B-2, where refusal was encountered three times at 3' below grade. MW-1, MW-2 and MW-4 served as up-gradient sampling locations with respect to groundwater.

2.2 Soil Sampling Methodology

At each sampling location, a Geoprobe rig was used to drive a sampling probe into the soil. Soil samples were collected by driving the soil sampling probe with a four-foot teflon liner into the soil at four foot intervals until groundwater was reached. Soil gas was screened in the teflon liner at one foot intervals using a photoionization detector (PID). Two soil samples were collected from each boring location based on field observations. If no field contamination was apparent (visual, odor or PID readings), a sample from the two foot interval immediately beneath the original ground surface (excluding any overlying asphalt or concrete) and a sample from the groundwater interface were collected. The soil samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and chilled in a cooler for shipment to the laboratory. Soil samples were analyzed for volatile organic compounds (EPA Method 8260), semivolatile organic compounds (EPA Methods 8270) and target analyte list metals (EPA Method 6010). Selected surface soil samples were tested for polychlorinated biphenyls (PCBs) and pesticides (EPA Methods 8081 and 8082, respectively). Where insufficient material was collected, parameters were selected based on field observation. Please see Table 1 in the Tables section of this report for a summary of analytical parameters.

Nine soil borings were completed to groundwater depth. Refusal was encountered at one location (B-3) at 3' below grade; groundwater was not encountered at this location. Please see Appendix A for Boring Logs.

2.3 Groundwater Sampling Methodology

At five locations, the sampling probe was driven down to approximately four feet beneath the groundwater table to recover a sample of groundwater. Once this depth was reached, a two-inch screen was installed below the water table to extract a groundwater sample. Dedicated Teflon tubing was used to attempt to evacuate at least five well volumes prior to sampling for each well. The groundwater samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and chilled in a cooler for shipment to the laboratory. Groundwater samples were analyzed for volatile organic compounds (EPA Method 8260), semivolatile organic compounds (EPA Methods 8270) and target analyte list metals (EPA Method 6010) (both filtered and unfiltered samples).

2.4 Chain of Custody

To ensure the integrity of samples taken, a strict chain of custody record was maintained on each sample. This began after sampling with the entry in the sampler's field log book of the sampling details:

a) Date and time of sampling;
b) Sample location (as specific as possible);
c) The unique sample number, size, and container(s) used;
d) Sample description;
e) Weather conditions (if applicable); and
f) Any additional comments.

In addition, a record was kept of the sample's progress from the sample site to the laboratory where it was analyzed. This was the chain-of-custody form. The form included:

a) The sample number;
b) The sampler's name;
c) Date and time of sampling;
d) Location at which the sample was taken, including the address, if possible;
e) A description of the sample, as best known;
f) Signatures of people involved in the chain of possession; and
g) Inclusive dates of possession of each person in the chain.

The chain-of-custody form accompanied the sample throughout its trip to the laboratory. Accompanying the chain-of-custody record, or included in it, was a request to the laboratory for sample analyses. Information required included:

a) Name of person receiving the sample;
b) Laboratory sample number;
c) Date of sample receipt;
d) Sample allocation; and
e) Analyses to be performed.

Finally, on arrival at the laboratory, the sample custodian entered the sample in the laboratory's sample log book. The chain-of-custody is kept on file at the laboratory.

2.5 Laboratory Testing

American Analytical Laboratories (NYSDOH certified, #11418) of Farmingdale, New York, a New York State ELAP-certified laboratory performed all laboratory analysis. The laboratory operates a Quality Assurance/Quality Control (QA/QC) program that

consists of proper laboratory practices (including the required chain-of-custody), an internal quality control program, and external quality control audits by New York State.

3.0 SAMPLE ANALYSIS RESULTS

The analytical data is summarized in eight tables in the Tables section of this report. Complete analytical results, including compounds not detected, are in Appendix B of this report. Soil samples are designated by the boring location and depth below grade. For example, B-3(5'-7') is from boring location B-3 at a depth of five to seven feet below grade. Soil analysis data was generally evaluated relative to the Recommended Soil Clean-up Objective values in the NYS DEC Division of Hazardous Waste Remediation document TAGM 4046, issued in 1994. Groundwater data was evaluated relative to the GA Standards and Guidelines Values contained in NYS DEC TOGS 1.1.1 Ambient Water Quality Handling, Guidance Values and Groundwater Effluent Limitations.

3.1 Field Conditions

Borings were advanced to between three and fifteen feet below grade. Refusal occurred three times at 3 feet below grade at B-2. Because a limited amount of soil was recovered from this boring, only one sample was analyzed from 0'-1' below grade.

The subsurface materials encountered consisted primarily of fill material. The soil was mostly brown to black sand and clay with fragments of schist and pebbles. Wood chips, bricks, coal, ash and slag were noted in the fill material. Coal and ash were mostly observed in borings from the north central portion of the Site (B-4, B-5 and MW-3). The Phase I Environmental Site Assessment stated that a former coal storage yard was indicated on Block 2502 in Sanborn Maps from 1916 and Greenpoint Coal Docks, Inc. was indicated on Tax Block 2472 in Sanborn Maps from 1941 and 1951. Wood chips and bricks were mostly observed in borings from the southern portion of the site (B-1, B-2, B-3, and MW-2). Petroleum odors and elevated PID readings were noted in MW-1, which was located near an operational gas pump and near underground petroleum storage tank(s). An unusual organic- or petroleum-like odor was observed in MW-2 on Block 2502, which also historically contained an extract and a chemical company.

Only a limited amount of groundwater was recovered from all five groundwater wells on-site. Therefore, the wells were not purged prior to sampling and whatever liquid was recovered was used for sample material. After the liquid settled in the sample containers, sediment was evident in most jars.

3.2 Volatile Organic Compounds

Please see Table 2 for a summary of detected volatile organic compounds in soil and groundwater samples. Acetone was detected in B-1(1'-2'), B-1(4'-5'), MW-1(5'-6'), MW-1(8'-9'), MW-2(5'-7') and MW-2(9'-11'). Although two of the levels of acetone detected

(290 ppb and 780 ppb) are above the TAGM Recommended Soil Cleanup Objective, acetone is most likely a field and/or laboratory artifact and likely not actually present in the soil. No other volatile organic compounds were detected in soil samples

Several volatile organic compounds were detected in the groundwater sample from MW-1, including ethylbenzene (8 ppb); m+p xylene (14 ppb); o-xylene (8 ppb); 1,3,5-trimethylbenzene (8 ppb); and 1,2,4-trimethylbenzene (30 ppb). These compounds are typically associated with gasoline. This well is located near a gasoline pump and potential petroleum underground storage tanks. All detected levels were less than the NYS DEC Class GA Drinking Water Standard. No other volatile organic compounds were detected in groundwater samples.

3.3 Semivolatile Organic Compounds

Please see Tables 3 and 4 for a summary of detected semivolatile organic compounds in soil and groundwater samples. The vast majority of the semivolatile organic compounds detected in the soil samples were polycyclic aromatic hydrocarbons (PAHs). PAHs are a class of compounds found in ash, coal, coal tar, coal ash and some petroleum products. PAHs are widely distributed in the urban environment, and the levels detected are generally typical of urban fill material. Borings in the vicinity of the former on-site coal yard (B-3, B-4, B-5 and MW-3) exhibited the most elevated levels of PAHs. Naphthalene was noted in several boring (B-1, B-3, MW-1, MW-2, MW-3 and MW-4), which may be indicative of petroleum contamination. However, the detected levels of naphthalene were all below the TAGM Recommended Soil Cleanup Objectives (RSCOs). Several individual SVOCs were detected above TAGM RSCOs, however total SVOCs (primarily PAHs) for each sample were less than TAGM RSCO of 500,000 ppb. Total levels of SVOCs ranged from 220 ppb to 472,700 ppb.

No semivolatile organic compounds were detected in groundwater samples, except for naphthalene at MW-1 (18 ppb). MW-1 is located near an operational gasoline pump and gasoline underground storage tank(s). The detected level of naphthalene is slightly above the Class GA Guidance Value of 10 ppb; no Standard exists for naphthalene. The Guidance Value is based on protection for aesthetic purposes (odor or color) in drinking water. Groundwater in Brooklyn is not used as a source of drinking water.

3.4 Metals

Please see Tables 5 and 6 for a summary of detected metals (reported in ppm) in soil and groundwater samples (total and dissolved groundwater samples). Only iron was detected above TAGM Objectives in all of the soil sampled (maximum level of 27,360 ppm in MW-3 (0'-2')). Other metals which were detected above the TAGM include barium (maximum level of 429 ppm in MW-3(0'-2')), beryllium (maximum level of 0.598 ppm in B-3(8'-10')), cadmium (maximum level of 2.05 ppm in B-3(1'-3')), chromium (maximum level of 25.7 ppm in MW-2(5'-7')), copper (maximum level of 116 ppm in

MW-2(5'-7')), nickel (maximum level of 22.3 ppm in B-3(1'-3')), zinc (maximum level of 395 ppm in MW-3(0'-2')) and mercury (maximum level of 0.799 ppm in MW-3(0'-2')). The TAGM objectives are based on background values in the Eastern USA, not on risk-based objectives. When compared with US EPA Generic Soil Screening Levels (health-based levels), the detected levels of metals in soil are generally typical of urban fill material and are below levels which would be expected to pose a hazard to human health even if routine exposure were to occur.

Because the wells were not purged prior to sampling, the levels of metals detected in unfiltered samples should not be considered indicative of actual groundwater concentrations. Results were reported in ppm and ppb, however, the Class GA Standards (developed assuming use as drinking water) were reported in ppm. Several metals, including iron, magnesium, manganese and sodium, were detected above Class GA Standards in filtered groundwater samples. These are likely unrelated to site usage and are present throughout the area. The levels are of minimal concern to human health or the environment because extensive dilution would occur following discharge into surface water. Groundwater in Brooklyn is not used as a potable source.

3.5 Pesticides

Please see Table 7 for a summary of detected pesticides in soil samples. Endosulfan I (60 ppb), 4,4'-DDT (9.6 ppb) and endrin keytone (9.2 ppb) were detected in MW-5 (0'-2'). The detected levels are below NYS DEC Class GA Ambient Water Quality Standards. Pesticides were not detected in any of the other soil samples. Pesticides were not analyzed in groundwater samples.

3.6 PCBs

Please see Table 8 for a summary of detected PCBs in soil samples. Aroclor-1254 and Aroclor-1260 were detected in sample B-2(0'-1'). The levels detected at the B-2 location (130 ppb and 170 ppb, respectively) do not exceed the Recommended Soil Clean-up Objective for surface (0'-2')soil, which is total PCBs of 1,000 ppb. PCBs were not analyzed in groundwater samples.

4.0 CONCLUSIONS

Results from this preliminary investigation did not detect extensive soil and/or groundwater contamination at the locations tested. The following conclusions can be made:

- A limited amount of soil and groundwater contamination by semivolatile organic compounds was detected near MW-1, where an operational gasoline pump and presumably tank(s) are currently located. Detected levels of total semivolatile organic compounds in soil samples collected from MW-1 were less than the TAGM

Recommended Soil Cleanup Objective. The groundwater sample from MW-1 contained levels of naphthalene above the Class GA Groundwater Guidance Value. The Guidance Values were developed based on groundwater used as drinking water. As MW-1 was located near a gasoline pump and as several of the detected semivolatile organic compounds are often associated with petroleum contamination, a spill was reported to the New York State Department of Environmental Conservation. The spill number for the property is 0106864;

- Because only low levels of phenols and heavy metals were detected in soil samples, the elevated levels of detected PAHs in soil and groundwater can be more likely attributed to the site's former use as a coal storage yard, than to the potential former usage for pressure treating of lumber; and

- The former New York Dye - Wood Extract and Chemical Company and the New York Quebracho Extract Company were formerly located on Tax Block 2520, Lot 57 and Tax Block 2510. No significant contamination was detected in borings located on these Blocks (B-1, B-2 and MW-1).

Tables

TABLE 1: Soil and Groundwater Sampling Summary

Sample Location	Matrix	Sample Depth(s)	Analytical Parameters				
			VOCs 8260	SVOCs 8270	Pesticides 8081	PCBs 8082	TAL Metals
B-1	soil	1' - 2'	x	x			x
	soil	4'-5'	x	x			x
B-2	soil	0'–1'	x	x	x	x	x
B-3	soil	1'-3'	x	x			x
	soil	8'-10'	x	x			x
B-4	soil	2'-4'	x	x			x
	soil	6'-8'	x	x			x
B-5	soil	2'-4'	x	x	x	x	x
	soil	5'-7'	x	x			x
MW-1	soil	5'-6'	x	x			x
	soil	8'-9'	x	x			x
	liquid		x	x			f/u
MW-2	soil	5'-7'	x	x			x
	soil	9'-11'	x	x			x
	liquid		x	x			f/u
MW-3	soil	0'-2'	x	x	x	x	x
	soil	5'-7'	x	x			x
	liquid		x	x			f/u
MW-4	soil	0'-2'	x	x			x
	soil	13'-15'	x	x			x
	liquid		x	x			f/u
MW-5	soil	0'-2'	x	x	x	x	x
	soil	4'-6'	x	x			x
	liquid		x	x			f/u

Notes:

f/u = filtered and unfiltered samples

Table 2: Levels of Volatile Organic Compounds Detected in Soil and Groundwater Samples

Parameter	B-1 (1'-2') Soil (ppb)	B-1 (4'-5') Soil (ppb)	MW-1 (5'-6') Soil (ppb)	MW-1 (8'-9) Soil (ppb)	MW-2 (5'-7') Soil (ppb)	MW-2 (9'-11') Soil (ppb)	MW-1 Liquid (ppb)	TAGM Recommended Soil Cleanup Objective (ppb)	NYS DEC Class GA Drinking Water Standard (ppb)
acetone	290	110	780	96	130	120		200	50
ethylbenzene							8	5,500	5
m+p xylene							14	1,200	5
o-xylene							8	1,200	5
1,3,5-trimethylbenzene							8	3,300	5
1,2,4-trimethylbenzene							8	10,000	5

Table 3: Levels of Semivolatile Organic Compounds Detected in Soil Samples

Parameter	B-1 (1'-2') Soil (ppb)	B-1 ('4-5') Soil (ppb)	B-2 (0'-1') Soil (ppb)	B-3 (1'-3') Soil (ppb)	B-3 (8'-10') Soil (ppb)	B-4 (2'-4') Soil (ppb)	B-4 (6'-8') Soil (ppb)	B-5 (2'-4') Soil (ppb)	B-5 (5'-7') Soil (ppb)	MW-1 (5'-6') Soil (ppb)	MW-1 (8'-9') Soil (ppb)	MW-2 (5'-7') Soil (ppb)	MW-2 (9'-11') Soil (ppb)	MW-3 (0'-2') Soil (ppb)	MW-3 (5'-7') Soil (ppb)	MW-4 (0'-2') Soil (ppb)	MW-4 (13'-15') Soil (ppb)	MW-5 (0'-2') Soil (ppb)	MW-5 (4'-6') Soil (ppb)	TAGM Recommended Soil Cleanup Objective (ppb)
2-methylphenol												220		190						100 or MDL
benzoic acid	280								200	230							170			2,700
napthlanene	110			460	87						110		74		3,800		150			13,000
2-Methylnapthalene	130	95	100	1,200					28		88	590	56		1,500	1,600	120			36,400
acenaphthylene			150	120								170	68	170	620		120	460	1,200	41,000
acenaphthene			240	80	170				53		100	270	140	200	3,800	6,100	360			50,000
dibenzofuran				170	95				47		46	210	98	98	2,300	2,800	220		640	6,200
fluorene			320	280	140				61		100	500	190	250	4,500	5,300	380	450	1,200	50,000*
phenanthrene	170	160	3,900	1,400	1,500	640		120	570		800	3,200	1,200	2,800	31,000	79,000	6,100	7,300	15,000	50,000*
anthracene	45		980	260	380	130			130		190	750	370	670	7,600	9,200	830	1,400	3,300	50,000*
carbazole			210	90	110				60		91		110	300	3,300	6,200	590	540	1,000	--
di-n-butyl phthlate				110																8,100
fluoranthene	230	150	5,600	1,100	2,100	1,500		150	490		690	4,900	1,300	4,400	30,000	86,000	7,100	11,000	20,000	50,000*
pyrene	290	220	7,800	990	2,100	2,700		200	460		780	4,500	1,200	3,900	24,000	76,000	5,900	10,000	18,000	50,000*
benzo-(a)-anthracene	140	110	4,000	570	970	1,200		87	220		360	2,100	910	2,000	12,000	30,000	2,600	5,400	9,200	224 or MDL
chrysene	160	140	4,400	740	1,000	1,400		110	220		380	2,800	940	2,200	11,000	38,000	3,200	5,300	9,000	400
bis(2-ethylhexy)phthalate	730	840	440	110	460		220	2,400	2,500	2,200	1,600	910	660	100	660			350	430	50,000*
benzo-(b)-fluoranthene	270	260	6,000	520	940	1,800		120	300		510	3,200	1,400	2,500	13,000	40,000	3,400	4,700	10,000	1,100
benzo-(k)-fluoranthene	280	270	6,400	360	670	1,900		130	310		540	3,400	1,500	880	4,500	14,000	1,400	4,100	3,400	1,100
benzo-(a)-pyrene	170	150	3,800	500	950	1,300		92	220		310	1,800	840	2,000	10,000	31,000	2,600	5,000	8,200	61 or MDL
indeno(1,2,3-c,d)pyrene		96	540	310	550	1,100		69	150		240	1,100	83	1,200	5,600	20,000	1,900	3,200	4,900	3,200
dibenzo-(a,h)-anthracene			1,100	110	150	100					86	520	190	340	1,700	5,500	490	820	1,400	14 or MDL
benzo-(g,h,i)-perylene	170	100	2,800	340	620	1,200		94	170		230	1,300	440	1,300	5,200	22,000	2,000	3,400	5,000	50,000*
TOTAL:	**3,175**	**2,591**	**48,780**	**9,820**	**12,992**	**14,970**	**220**	**3,572**	**6,289**	**2,430**	**7,251**	**32,440**	**11,770**	**25,498**	**176,080**	**472,700**	**39,630**	**92,220**	**111,870**	**500,000***

Notes:

-- No TAGM Objective given for this parameter.

* As per TAGM #4046, total VOCs < 10,000 ppb, total non-carcinogenic Semi-VOCs < 500,000 ppb, individual non-carcinogenic Semi-VOCs < 50,000 ppb, and total carcinogenic semi-VOCs < 10,000

MDL = Method Detection Limit

Table 4: Levels of Semivolatile Organic Compounds Detected in Groundwater Samples

Parameter	MW-1 Liquid (ppb)	NYS DEC Class GA Ambient Water Quality Guidance Value (ppb)
naphthalene	18	10

Table 5: Levels of Metals Detected in Soil Samples

Parameter	B-1 (1'-2') Soil (ppm)	B-1 ('4-5') Soil (ppm)	B-2 (0'-1') Soil (ppm)	B-3 (1'-3') Soil (ppm)	B-3 (8'-10') Soil (ppm)	B-4 (2'-4') Soil (ppm)	B-4 (6'-8') Soil (ppm)	B-5 (2'-4') Soil (ppm)	B-5 (5'-7') Soil (ppm)	MW-1 (5'-6') Soil (ppm)	MW-1 (8'-9') Soil (ppm)	MW-2 (5'-7') Soil (ppm)	MW-2 (9'-11') Soil (ppm)	MW-3 (0'-2') Soil (ppm)	MW-3 (5'-7') Soil (ppm)	MW-4 (0'-2') Soil (ppm)	MW-4 (13'-15') Soil (ppm)	MW-5 (0'-2') Soil (ppm)	MW-5 (4'-6') Soil (ppm)	TAGM Recommended Soil Cleanup Objective (ppm)
silver				0.845							0.633									SB
aluminum	7,584	6.432	2,569	2,981	10,192	3,783	751	3,481	8,197	2,904	5,040	4,525	6,270	17,314	8,150	3,000	3,028	5,445	1,864	SB
barium	35.5	44.5	51.4	103	73.5	68.4	11.3	127	33.0	16.0	48.6	108	87.2	429	119	51.3	23.3	54.6	5.22	300 or SB
beryllium					0.598															0.16 or SB
calcium	6,960	6,144	75,688	3,043	24,871	3,905	2,750	14,069	1,237	1,545	4,282	4,131	15,485	24,325	1,695	3,950	1,196	72,765	8,371	SB
cadmium	0.058			2.05										0.667				0.554		1 or SB
cobalt				2.52		0.608	1.68			0.528		0.597				0.999	1.53			30 or SB
chromium	11.1	11.7	3.89	5.95	9.05	7.32	2.65	4.27	9.66	6.76	8.04	25.7	7.35	19.2	14.90	6.49	7.15	4.04		10 or SB
copper	16.5	18.2	32.2	72.8	53.3	44.5	11.4	5.30	16.2	7.67	14.1	116	40.6	67.5	57.6	25.7	14.5	14.1	1.68	25 or SB
iron	14,880	16,464	8,477	15,216	9,771	12,005	3,344	5,655	14,793	7,304	9,456	13,123	13.348	27,360	17,950	9,360	9,875	7,128	5,874	2,000 or SB
potassium	474	507		647	3,796	384	117		357	306	396	1,549	2,052	385	496	342	512	14,929	12.3	SB
magnesium	1896	3,638	34,773	1,906	4,558	1,019	1,121	2,637	2,561	2,209	1,747	3,534	2,617	6,156	2,010	1,056	1,649	20,939	1,156	SB
manganese	190	311	134	246	93.7	110	17.5	61.4	170	66.2	100	71.3	219	255	262	132	289	83.4	1.76	SB
sodium	189	151	209	146	438	419	318	136	74.7	140	172	153	160	83.6	101	97.5	84.4	350	13.8	SB
nickel	9.08	9.79	6.35	22.3	8.79	16.9	6.04	4.14	9.22	6.76	8.0	20.8	7.03	10.0	9.44	7.43	7.55	4.89		13 or SB
lead	32.4	31.1	61.1	191	150	380	8.54	291	12.5	3.57	75.4	77.8	329	315	294	56.0	10.3	122	12.3	SB
antimony						21.7						3.60								SB
vanadium	17.7	23.4	80.4	9.56	19.8	13.1	4.91	9.28	14.2	10.6	13.2	28.8	14.1	20.5	20.4	13.9	12.1	43.9		150 or SB
zinc	25.7	47.4	66.4	321	39.2	75.6	6.53	129	31.8	13.2	37.8	127	47.5	395	220	60.3	41.4	164	2.72	20 or SB
mercury		0.140	0.105	0.119			0.107		0.103	0.114	0.338		0.94	0.799	1.12	0.200	0.101	0.330	0.157	0.1

NOTES:

SB = site background

Table 6: Levels of Metals Detected in Groundwater Samples (Total and Dissolved)

Parameter	MW-1 Liquid Total (ppb)	MW-1 Liquid Dissolved (ppb)	MW-2 Liquid Total (ppm)	MW-2 Liquid Dissolved (ppm)	MW-3 Liquid Total (ppm)	MW-3 Liquid Dissolved (ppm)	MW-4 Liquid Total (ppm)	MW-4 Liquid Dissolved (ppm)	MW-5 Liquid Total (ppm)	MW-5 Liquid Dissolved (ppm)	Class GA Ambient Water Quality Standard (ppm)
silver			134								0.05
aluminum	195	152	98.2	1.38	41.0	0.605	1,128	0.870	172	1.60	--
barium	2.18	0.126	2.74	0.048	1.13	0.063	8.25	0.054	11.4		1
calcium	168	88.8	1,513	346	92.7	70.3	296	127	1,163	313	--
cobalt			0.348				0.429				--
chromium	0.906		0.517		0.09		3.09		0.465		0.05
copper	0.858		3.05		1.63		7.05		3.61		0.2
iron	765	1.25	643	0.309	81.5	0.196	3,650	0.626	727		0.3
potassium	29.9	11.3	36.8	19.4	27.1	27.3	187	2.73	22.5	13.3	--
magnesium	124	43.2	113	59.6	93.0	69.9	558	18.8	171	55.1	35*
manganese	22.4	2.53	10.4	1.37	1.82	0.517	109	6.32	7.61	0.350	0.3
sodium	231	311	95.2	85.1	445	474	20.6	14.3	110	96.8	20
nickel	0.516		1.1		0.068		3.06		0.633		--
lead	0.355		5.83		1.28		2.39		23.6		0.025
antimony			0.076								0.003*
vanadium	0.812	0.163	0.812	0.188	0.237	0.198	3.41	0.066	0.897	0.173	--
zinc	3.47		6.86	0.053	2.11	0.122	11.8	0.032	9.62		0.3
mercury	0.0035		0.011				0.002		0.003		0.002

NOTES:

– No Standard or Guidance Value given for this parameter

* Guidance Value; no Standard exists for this parameter

Table 7: Levels of Pesticides Detected in Soil Samples

Parameter	MW-5 (0'-2') Soil (ppb)	TAGM 4046 Recommended Soil Cleanup Objective (ppb)
endosulfan I	60	900
4,4'-DDT	9.6	2,100
endrin ketone	9.2	--

Notes:

-- No Recommended Soil Cleanup Objective exists for this parameter

Table 8: Levels of PCBs Detected in Soil Samples

Parameter	B-2(0'-1') Soil (ppb)	TAGM Recommended Soil Cleanup Objective (ppb)
Archlor-1254	130	
Archlor-1260	170	
	TOTAL: 300	**1,000 for surface (0'-2') soil**

APPENDIX A

BORING LOGS

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-1

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT		0-1	SS			NA	
		Black sandy soil with FILL (brick chips, wood, resin)		*1-2	SS			58.8	
				2-3	SS			2.4	
				3-4	SS			1.4	
		Brown-black clayey soil with pebbles.		*4-5	SS			42.5	
5		Black FILL with wood chips.		5-6	SS			18.4	
		Light brown sandy soil with wood chips.		6-7	SS			0.6	
		Light brown sandy soil with wood chips.		7-8	SS			0.2	Wet at 8'
10		Groundwater encountered at approximately 8 feet below grade. *Soil sample sent to laboratory. SS - soil sample NA - not analyzed							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-2

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		White and black SILT with Fill.		*0-1	SS			3.5	
		Red BRICK.		1-2	SS			0.7	
		ROCK (granite - schist).		2-3	SS			1.8	
		End of boring at approximately 3 feet below grade due to refusal. Groundwater not encountered. *Soil sample sent to laboratory. SS - soil sample							
5									

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-3

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT, concrete and sand.		0-1	SS			0.2	
		Black FILL with coal, brick and sand, some slag.		*1-3	SS			0.1	
		same as above						0.1	
				3-4	SS			ND	
				4-5	SS			0.1	
5				5-6	SS			0.1	
		Light brown SILT and fine SAND with misc. Fill (brick, ash, coal), some black fill.		6-7	SS			ND	
		same as above		7-8	SS			0.1	
				*8-10	SS			ND	
					SS			ND	Wet at 10'
10									
		Groundwater encountered at appoximately 10 feet below grade. *Soil sample sent to laboratory. SS - soil sample ND - not detected							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/17/01
Finish Date: 8/17/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-4

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		Asphalt.		0-1	SS			NA	
		Concrete.		1-2	SS			NA	
		Black silty soil with fill (ash, brick, coal, slag).		*2-4	SS			0.2	
		same as above.						0.3	
				4-5	SS			0.2	
5				5-6	SS			0.4	
				*6-8	SS			0.1	
								0.2	Wet at 8'
		Groundwater encountered at approximately 8 feet below grade. *Soil sample sent to laboratory. SS - soil sample NA - not analyzed							
10									

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-5

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT.		0-1	SS			2.5	
		FILL (coal, ash).		1-2	SS			0.2	
		Orange SILT		*2-4	SS			1.7	
		Red SILT							
		Rock, ash, coal, slag (FILL)						1.3	
		same as above.		4-5	SS			1.7	
5		Fine to medium SAND and SILT with layers of silty Clay		*5-7	SS			0.4	
		Silty CLAY						1.1	Wet at 7'
		Groundwater encountered at approximately 7 feet below grade. *Soil sample sent to laboratory. SS - soil sample.							
10									

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-1

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		CONCRETE		0-1.5	SS			NA	
		Black stained clayey soil.		1.5-2.5	SS			542	
		Light brown sandy soil.		2.5-3.5	SS			1152	petrol-like odor
				3.5-4	SS			724	
				4-5	SS			1201	
5		Light brown clayey soil.		*5-6	SS			1888	petrol-like odor
				6-7	SS			669	
				7-8	SS			1160	
		Dark brown clayey soil.		*8-9	SS			1319	
		Dark brown sandy soil.		9-10	SS			38.4	
10		Orange-yellow sandy soil.		10-11	SS			2.7	wet at 11'
				11-12	SS			2.7	
		Orange-brown sandy soil.		12-13	SS			23.1	
				13-14	SS			4.4	refusal at 14'
15		End of boring at approximately 14' below grade due to refusal. Groundwater encountered at approximately 11' below grade. Temporary monitor well installed and groundwater sample collected. *Soil sample sent to laboratory. SS - soil sample NA - not analyzed							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-2

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT							
		FILL (brick, schist, coal, ash).		1-2	SS			0.2	
		FILL (brick, schist, coal, ash, concrete).		2-3	SS			0.1	
		Same as above.		3-4	SS			0.2	
		FILL (concrete)		4-5	SS			1.4	
5		Black silty FILL with wood, slag, ash. Organic/petroelum odor.		*5-7	SS			14.7	
		Same as above. Same organic/petroleum odor.			SS			2.3	
		Black/brown sandy SILT. Organic/petroleum odor.		7-8	SS			0.9	
		Same as above.		8-9	SS			NA	
10				*9-11	SS			NA	
		End of boring at approximately 11' below grade. Temporary well installed and groundwater sample collected. * soil sample sent to laboratory SS - soil sample NA - not analyzed							
15									

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-3

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		Light brown silty SAND, some slag.		*0-2	SS			0.1	
								ND	
				2-3	SS			0.1	
		FILL (wood, slag, brick, ash, coal).		3-4	SS			0.1	
		Light brown silty SAND		4-5	SS			ND	
5		Same as above.		*5-7	SS			0.1	
								ND	Wet at 7'
		Groundwater encountered at approximately 7 feet below grade. Temporary well installed and groundwater sample collected. *Soil sample sent to laboratory. SS - soil sample ND - not detected							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/17/01
Finish Date: 8/17/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-4

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT							
		Black FILL with coal, slag, coarse Sand.		*0-2	SS			3.0	
					SS			0.4	
		Medium to coarse, orange-brown SAND, some pebbles, schist fragments.		2-3	SS			ND	
		Same as above.		3-4	SS			ND	
				4-5	SS			ND	
5				5-6	SS			ND	
				6-7	SS			ND	
				7-8	SS			ND	
				8-9	SS			0.7	
				9-10	SS			ND	
10				10-11	SS			ND	
				11-12	SS			ND	
				12-13	SS			1.0	
		Medium to coarse, orange-brown SAND, some pebbles, schist fragments. 2" Silty SAND lens at 14'.		*13-15	SS			ND	
					SS			ND	Wet at 15'
15									
		Groundwater encountered at approximately 15 feet below grade. Temporary well installed and groundwater sample collected. *Soil sample sent to laboratory. SS - soil sample ND - not detected							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/17/01
Finish Date: 8/17/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-5

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		FILL (bricks, concrete, coal, ash, wood)		*0-2	SS			ND	
					SS			ND	
				2-3	SS			ND	
				3-4	SS			ND	
				*4-6	SS			ND	
5					SS			0.3	Wet at 6'

Groundwater encountered at approximately 6 feet below grade.
Temporary monitor well installed and groundwater sample collected.
*Soil sample sent to laboratory.
SS - soil sample
ND - not detected

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: -6 Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/17/01
Finish Date: 8/17/01

APPENDIX B

LABORATORY ANALYSIS RESULTS

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	NYS DEC
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8260									
PARAMETER	CAS No.								
Dichlorodifluoromethane	75-71-8	<5	<5	<5	<5	<5	<5	*	5
Chloromethane	74-87-3	<5	<5	<5	<5	<5	<5	*	*
Vinyl Chloride	75-01-4	<5	<5	<5	<5	<5	<5	200	2
Bromomethane	74-83-9	<5	<5	<5	<5	<5	<5	*	5
Chloroethane	75-00-3	<5	<5	<5	<5	<5	<5	1,900	50
Trichlorofluoromethane	75-69-4	<5	<5	<5	<5	<5	<5	*	5
Acetone	67-64-1	290	110	<5	<5	<5	<5	200	50
1,1-Dichloroethene	75-35-4	<5	<5	<5	<5	<5	<5	400	5
Vinyl Acetate	108-05-4	<5	<5	<5	<5	<5	<5	*	*
Carbon Disulfide	75-15-0	<5	<5	<5	<5	<5	<5	2,700	50
Methylene Chloride	75-09-2	<5	<5	<5	<5	<5	<5	100	5
trans-1,2-Dichloroethene	156-60-5	<5	<5	<5	<5	<5	<5	300	5
1,1-Dichloroethane	75-34-3	<5	<5	<5	<5	<5	<5	200	5
2-Butanone	78-93-3	<5	<5	<5	<5	<5	<5	300	50
2,2-Dichloropropane	594-20-7	<5	<5	<5	<5	<5	<5	*	5
cis-1,2-Dichloroethene	156-59-2	<5	<5	<5	<5	<5	<5	*	5
Chloroform	67-66-3	<5	<5	<5	<5	<5	<5	300	7
Bromochloromethane	74-97-5	<5	<5	<5	<5	<5	<5	*	5
1,1,1-Trichloroethane	71-55-6	<5	<5	<5	<5	<5	<5	800	5
1,1-Dichloropropene	563-58-6	<5	<5	<5	<5	<5	<5	*	5
Carbon Tetrachloride	56-23-5	<5	<5	<5	<5	<5	<5	600	5
2-Chloroethyl vinyl ether	110-75-8	<5	<5	<5	<5	<5	<5	*	*
1,2-Dichloroethane	107-06-2	<5	<5	<5	<5	<5	<5	100	5
Benzene	71-43-2	<5	<5	<5	<5	<5	<5	60	0.7
Trichloroethene	79-01-6	<5	<5	<5	<5	<5	<5	700	5
1,2-Dichloropropane	78-87-5	<5	<5	<5	<5	<5	<5	*	1
Bromodichloromethane	75-27-4	<5	<5	<5	<5	<5	<5	*	50
4-Methyl-2-Pentanone	108-10-1	<5	<5	<5	<5	<5	<5	1,000	50
Dibromomethane	74-95-3	<5	<5	<5	<5	<5	<5	*	5
cis-1,3-Dichloropropene	10061-01-5	<5	<5	<5	<5	<5	<5	*	5
Toluene	108-88-3	<5	<5	<5	<5	<5	<5	1,500	5
trans-1,3-Dichloropropene	10061-02-6	<5	<5	<5	<5	<5	<5	*	*
1,1,2-Trichloroethane	79-00-5	<5	<5	<5	<5	<5	<5	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	NYS DEC
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8260									
Parameter	CAS No.								
2-Hexanone	591-78-6	<5	<5	<5	<5	<5	<5	*	**50
1,3-Dichloropropane	142-28-9	<5	<5	<5	<5	<5	<5	300	5
Tetrachloroethene	127-18-4	<5	<5	<5	<5	<5	<5	1,400	5
Chlorodibromomethane	124-48-1	<5	<5	<5	<5	<5	<5	*	*
1,2-Dibromoethane	106-93-4	<5	<5	<5	<5	<5	<5	*	*
Chlorobenzene	108-90-7	<5	<5	<5	<5	<5	<5	1,700	5
1,1,1,2-Tetrachloroethane	630-20-6	<5	<5	<5	<5	<5	<5	*	5
Ethylbenzene	100-41-4	<5	<5	<5	<5	<5	<5	5,500	5
m+p Xylene	108-38-3/106-42-3	<10	<10	<10	<10	<10	<10	1,200	5
o-Xylene	95-47-6	<5	<5	<5	<5	<5	<5	1,200	5
Styrene	100-42-5	<5	<5	<5	<5	<5	<5	*	5
Isopropylbenzene	98-82-8	<5	<5	<5	<5	<5	<5	*	5
Bromoform	75-25-2	<5	<5	<5	<5	<5	<5	*	**50
1,2,3-Trichloropropane	96-18-4	<5	<5	<5	<5	<5	<5	400	5
n-Propylbenzene	103-65-1	<5	<5	<5	<5	<5	<5	*	5
Bromobenzene	108-86-1	<5	<5	<5	<5	<5	<5	*	5
1,3,5-Trimethylbenzene	108-67-8	<5	<5	<5	<5	<5	<5	*	5
2-Chlorotoluene	95-49-8	<5	<5	<5	<5	<5	<5	*	5
4-Chlorotoluene	106-43-4	<5	<5	<5	<5	<5	<5	*	5
tert-Butylbenzene	98-06-6	<5	<5	<5	<5	<5	<5	*	5
1,2,4-Trimethylbenzene	95-63-6	<5	<5	<5	<5	<5	<5	*	5
sec-Butylbenzene	135-98-8	<5	<5	<5	<5	<5	<5	*	5
4-Isopropyltoluene	99-87-6	<5	<5	<5	<5	<5	<5	*	5
1,1,2,2-Tetrachloroethane	79-34-5	<5	<5	<5	<5	<5	<5	600	5
1,3-Dichlorobenzene	541-73-1	<5	<5	<5	<5	<5	<5	1,600	5
1,4-Dichlorobenzene	106-46-7	<5	<5	<5	<5	<5	<5	8,500	5
1,2-Dichlorobenzene	95-50-1	<5	<5	<5	<5	<5	<5	7,900	4.7
n-Butylbenzene	104-51-8	<5	<5	<5	<5	<5	<5	*	5
1,2-Dibromo-3-chloropropane	96-12-8	<5	<5	<5	<5	<5	<5	*	0.04
1,2,4-Trichlorobenzene	120-82-1	<5	<5	<5	<5	<5	<5	3,400	5
Hexachlorobutadiene	87-68-3	<5	<5	<5	<5	<5	<5	*	0.5
Naphthalene	91-20-3	<5	<5	<5	<5	<5	<5	*	**10
1,2,3-Trichlorobenzene	87-61-6	<5	<5	<5	<5	<5	<5	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8260									
PARAMETER	CAS No.								
Dichlorodifluoromethane	75-71-8	<5	<5	<5	<1	<5	<5	*	5
Chloromethane	74-87-3	<5	<5	<5	<1	<5	<5	*	*
Vinyl Chloride	75-01-4	<5	<5	<5	<1	<5	<5	200	2
Bromomethane	74-83-9	<5	<5	<5	<1	<5	<5	*	5
Chloroethane	75-00-3	<5	<5	<5	<1	<5	<5	1,900	50
Trichlorofluoromethane	75-69-4	<5	<5	<5	<1	<5	<5	*	5
Acetone	67-64-1	<5	780	96	<1	130	120	200	50
1,1-Dichloroethene	75-35-4	<5	<5	<5	<1	<5	<5	400	5
Vinyl Acetate	108-05-4	<5	<5	<5	<1	<5	<5	*	*
Carbon Disulfide	75-15-0	<5	<5	<5	<1	<5	<5	2,700	50
Methylene Chloride	75-09-2	<5	<5	<5	<1	<5	<5	100	5
trans-1,2-Dichloroethene	156-60-5	<5	<5	<5	<1	<5	<5	300	5
1,1-Dichloroethane	75-34-3	<5	<5	<5	<1	<5	<5	200	5
2-Butanone	78-93-3	<5	<5	<5	<1	<5	<5	300	50
2,2-Dichloropropane	594-20-7	<5	<5	<5	<1	<5	<5	*	5
cis-1,2-Dichloroethene	156-59-2	<5	<5	<5	<1	<5	<5	*	5
Chloroform	67-66-3	<5	<5	<5	<1	<5	<5	300	7
Bromochloromethane	74-97-5	<5	<5	<5	<1	<5	<5	*	5
1,1,1-Trichloroethane	71-55-6	<5	<5	<5	<1	<5	<5	800	5
1,1-Dichloropropene	563-58-6	<5	<5	<5	<1	<5	<5	*	5
Carbon Tetrachloride	56-23-5	<5	<5	<5	<1	<5	<5	600	5
2-Chloroethyl vinyl ether	110-75-8	<5	<5	<5	<1	<5	<5	*	*
1,2-Dichloroethane	107-06-2	<5	<5	<5	<1	<5	<5	100	5
Benzene	71-43-2	<5	<5	<5	<1	<5	<5	60	0.7
Trichloroethene	79-01-6	<5	<5	<5	<1	<5	<5	700	5
1,2-Dichloropropane	78-87-5	<5	<5	<5	<1	<5	<5	*	1
Bromodichloromethane	75-27-4	<5	<5	<5	<1	<5	<5	*	50
4-Methyl-2-Pentanone	108-10-1	<5	<5	<5	<1	<5	<5	1,000	50
Dibromomethane	74-95-3	<5	<5	<5	<1	<5	<5	*	5
cis-1,3-Dichloropropene	10061-01-5	<5	<5	<5	<1	<5	<5	*	5
Toluene	108-88-3	<5	<5	<5	<1	<5	<5	1,500	5
trans-1,3-Dichloropropene	10061-02-6	<5	<5	<5	<1	<5	<5	*	*
1,1,2-Trichloroethane	79-00-5	<5	<5	<5	<1	<5	<5	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8260									
Parameter	CAS No.								
2-Hexanone	591-78-6	<5	<5	<5	<1	<5	<5	*	**50
1,3-Dichloropropane	142-28-9	<5	<5	<5	<1	<5	<5	300	5
Tetrachloroethene	127-18-4	<5	<5	<5	<1	<5	<5	1,400	5
Chlorodibromomethane	124-48-1	<5	<5	<5	<1	<5	<5	*	*
1,2-Dibromoethane	106-93-4	<5	<5	<5	<1	<5	<5	*	*
Chlorobenzene	108-90-7	<5	<5	<5	<1	<5	<5	1,700	5
1,1,1,2-Tetrachloroethane	630-20-6	<5	<5	<5	<1	<5	<5	*	5
Ethylbenzene	100-41-4	<5	8	<5	<1	<5	<5	5,500	5
m+p Xylene	108-38-3/106-42-3	<10	14	<10	<2	<10	<10	1,200	5
o-Xylene	95-47-6	<5	8	<5	<1	<5	<5	1,200	5
Styrene	100-42-5	<5	<5	<5	<1	<5	<5	*	5
Isopropylbenzene	98-82-8	<5	<5	<5	<1	<5	<5	*	5
Bromoform	75-25-2	<5	<5	<5	<1	<5	<5	*	**50
1,2,3-Trichloropropane	96-18-4	<5	<5	<5	<1	<5	<5	400	5
n-Propylbenzene	103-65-1	<5	<5	<5	<1	<5	<5	*	5
Bromobenzene	108-86-1	<5	<5	<5	<1	<5	<5	*	5
1,3,5-Trimethylbenzene	108-67-8	<5	8	<5	<1	<5	<5	*	5
2-Chlorotoluene	95-49-8	<5	<5	<5	<1	<5	<5	*	5
4-Chlorotoluene	106-43-4	<5	<5	<5	<1	<5	<5	*	5
tert-Butylbenzene	98-06-6	<5	<5	<5	<1	<5	<5	*	5
1,2,4-Trimethylbenzene	95-63-6	<5	30	<5	<1	<5	<5	*	5
sec-Butylbenzene	135-98-8	<5	<5	<5	<1	<5	<5	*	5
4-Isopropyltoluene	99-87-6	<5	<5	<5	<1	<5	<5	*	5
1,1,2,2-Tetrachloroethane	79-34-5	<5	<5	<5	<1	<5	<5	600	5
1,3-Dichlorobenzene	541-73-1	<5	<5	<5	<1	<5	<5	1,600	5
1,4-Dichlorobenzene	106-46-7	<5	<5	<5	<1	<5	<5	8,500	5
1,2-Dichlorobenzene	95-50-1	<5	<5	<5	<1	<5	<5	7,900	4.7
n-Butylbenzene	104-51-8	<5	<5	<5	<1	<5	<5	*	5
1,2-Dibromo-3-chloropropane	96-12-8	<5	<5	<5	<1	<5	<5	*	0.04
1,2,4-Trichlorobenzene	120-82-1	<5	<5	<5	<1	<5	<5	3,400	5
Hexachlorobutadiene	87-68-3	<5	<5	<5	<1	<5	<5	*	0.5
Naphthalene	91-20-3	<5	<5	<5	<1	<5	<5	*	**10
1,2,3-Trichlorobenzene	87-61-6	<5	<5	<5	<1	<5	<5	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	NYS DEC
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8260									
PARAMETER	CAS No.								
Dichlorodifluoromethane	75-71-8	<5	<5	<1	<5	<5	<1	*	5
Chloromethane	74-87-3	<5	<5	<1	<5	<5	<1	*	*
Vinyl Chloride	75-01-4	<5	<5	<1	<5	<5	<1	200	2
Bromomethane	74-83-9	<5	<5	<1	<5	<5	<1	*	5
Chloroethane	75-00-3	<5	<5	<1	<5	<5	<1	1,900	50
Trichlorofluoromethane	75-69-4	<5	<5	<1	<5	<5	<1	*	5
Acetone	67-64-1	<5	<5	<1	<5	<5	<1	200	50
1,1-Dichloroethene	75-35-4	<5	<5	<1	<5	<5	<1	400	5
Vinyl Acetate	108-05-4	<5	<5	<1	<5	<5	<1	*	*
Carbon Disulfide	75-15-0	<5	<5	<1	<5	<5	<1	2,700	50
Methylene Chloride	75-09-2	<5	<5	<1	<5	<5	<1	100	5
trans-1,2-Dichloroethene	156-60-5	<5	<5	<1	<5	<5	<1	300	5
1,1-Dichloroethane	75-34-3	<5	<5	<1	<5	<5	<1	200	5
2-Butanone	78-93-3	<5	<5	<1	<5	<5	<1	300	50
2,2-Dichloropropane	594-20-7	<5	<5	<1	<5	<5	<1	*	5
cis-1,2-Dichloroethene	156-59-2	<5	<5	<1	<5	<5	<1	*	5
Chloroform	67-66-3	<5	<5	<1	<5	<5	<1	300	7
Bromochloromethane	74-97-5	<5	<5	<1	<5	<5	<1	*	5
1,1,1-Trichloroethane	71-55-6	<5	<5	<1	<5	<5	<1	800	5
1,1-Dichloropropene	563-58-6	<5	<5	<1	<5	<5	<1	*	5
Carbon Tetrachloride	56-23-5	<5	<5	<1	<5	<5	<1	600	5
2-Chloroethyl vinyl ether	110-75-8	<5	<5	<1	<5	<5	<1	*	*
1,2-Dichloroethane	107-06-2	<5	<5	<1	<5	<5	<1	100	5
Benzene	71-43-2	<5	<5	<1	<5	<5	<1	60	0.7
Trichloroethene	79-01-6	<5	<5	<1	<5	<5	<1	700	5
1,2-Dichloropropane	78-87-5	<5	<5	<1	<5	<5	<1	*	1
Bromodichloromethane	75-27-4	<5	<5	<1	<5	<5	<1	*	50
4-Methyl-2-Pentanone	108-10-1	<5	<5	<1	<5	<5	<1	1,000	50
Dibromomethane	74-95-3	<5	<5	<1	<5	<5	<1	*	5
cis-1,3-Dichloropropene	10061-01-5	<5	<5	<1	<5	<5	<1	*	5
Toluene	108-88-3	<5	<5	<1	<5	<5	<1	1,500	5
trans-1,3-Dichloropropene	10061-02-6	<5	<5	<1	<5	<5	<1	*	*
1,1,2-Trichloroethane	79-00-5	<5	<5	<1	<5	<5	<1	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	NYS DEC
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8260									
Parameter	CAS No.								
2-Hexanone	591-78-6	<5	<5	<1	<5	<5	<1	*	**50
1,3-Dichloropropane	142-28-9	<5	<5	<1	<5	<5	<1	300	5
Tetrachloroethene	127-18-4	<5	<5	<1	<5	<5	<1	1,400	5
Chlorodibromomethane	124-48-1	<5	<5	<1	<5	<5	<1	*	*
1,2-Dibromoethane	106-93-4	<5	<5	<1	<5	<5	<1	*	*
Chlorobenzene	108-90-7	<5	<5	<1	<5	<5	<1	1,700	5
1,1,1,2-Tetrachloroethane	630-20-6	<5	<5	<1	<5	<5	<1	*	5
Ethylbenzene	100-41-4	<5	<5	<1	<5	<5	<1	5,500	5
m+p Xylene	108-38-3/106-42-3	<10	<10	<2	<10	<10	<2	1,200	5
o-Xylene	95-47-6	<5	<5	<1	<5	<5	<1	1,200	5
Styrene	100-42-5	<5	<5	<1	<5	<5	<1	*	5
Isopropylbenzene	98-82-8	<5	<5	<1	<5	<5	<1	*	5
Bromoform	75-25-2	<5	<5	<1	<5	<5	<1	*	**50
1,2,3-Trichloropropane	96-18-4	<5	<5	<1	<5	<5	<1	400	5
n-Propylbenzene	103-65-1	<5	<5	<1	<5	<5	<1	*	5
Bromobenzene	108-86-1	<5	<5	<1	<5	<5	<1	*	5
1,3,5-Trimethylbenzene	108-67-8	<5	<5	<1	<5	<5	<1	*	5
2-Chlorotoluene	95-49-8	<5	<5	<1	<5	<5	<1	*	5
4-Chlorotoluene	106-43-4	<5	<5	<1	<5	<5	<1	*	5
tert-Butylbenzene	98-06-6	<5	<5	<1	<5	<5	<1	*	5
1,2,4-Trimethylbenzene	95-63-6	<5	<5	<1	<5	<5	<1	*	5
sec-Butylbenzene	135-98-8	<5	<5	<1	<5	<5	<1	*	5
4-Isopropyltoluene	99-87-6	<5	<5	<1	<5	<5	<1	*	5
1,1,2,2-Tetrachloroethane	79-34-5	<5	<5	<1	<5	<5	<1	600	5
1,3-Dichlorobenzene	541-73-1	<5	<5	<1	<5	<5	<1	1,600	5
1,4-Dichlorobenzene	106-46-7	<5	<5	<1	<5	<5	<1	8,500	5
1,2-Dichlorobenzene	95-50-1	<5	<5	<1	<5	<5	<1	7,900	4.7
n-Butylbenzene	104-51-8	<5	<5	<1	<5	<5	<1	*	5
1,2-Dibromo-3-chloropropane	96-12-8	<5	<5	<1	<5	<5	<1	*	0.04
1,2,4-Trichlorobenzene	120-82-1	<5	<5	<1	<5	<5	<1	3,400	5
Hexachlorobutadiene	87-68-3	<5	<5	<1	<5	<5	<1	*	0.5
Naphthalene	91-20-3	<5	<5	<1	<5	<5	<1	*	**10
1,2,3-Trichlorobenzene	87-61-6	<5	<5	<1	<5	<5	<1	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	NYS DEC
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8260									
PARAMETER	CAS No.								
Dichlorodifluoromethane	75-71-8	<5	<5	<1	<5	<5	<1	*	5
Chloromethane	74-87-3	<5	<5	<1	<5	<5	<1	*	*
Vinyl Chloride	75-01-4	<5	<5	<1	<5	<5	<1	200	2
Bromomethane	74-83-9	<5	<5	<1	<5	<5	<1	*	5
Chloroethane	75-00-3	<5	<5	<1	<5	<5	<1	1,900	50
Trichlorofluoromethane	75-69-4	<5	<5	<1	<5	<5	<1	*	5
Acetone	67-64-1	<5	<5	<1	<5	<5	<1	200	50
1,1-Dichloroethene	75-35-4	<5	<5	<1	<5	<5	<1	400	5
Vinyl Acetate	108-05-4	<5	<5	<1	<5	<5	<1	*	*
Carbon Disulfide	75-15-0	<5	<5	<1	<5	<5	<1	2,700	50
Methylene Chloride	75-09-2	<5	<5	<1	<5	<5	<1	100	5
trans-1,2-Dichloroethene	156-60-5	<5	<5	<1	<5	<5	<1	300	5
1,1-Dichloroethane	75-34-3	<5	<5	<1	<5	<5	<1	200	5
2-Butanone	78-93-3	<5	<5	<1	<5	<5	<1	300	50
2,2-Dichloropropane	594-20-7	<5	<5	<1	<5	<5	<1	*	5
cis-1,2-Dichloroethene	156-59-2	<5	<5	<1	<5	<5	<1	*	5
Chloroform	67-66-3	<5	<5	<1	<5	<5	<1	300	7
Bromochloromethane	74-97-5	<5	<5	<1	<5	<5	<1	*	5
1,1,1-Trichloroethane	71-55-6	<5	<5	<1	<5	<5	<1	800	5
1,1-Dichloropropene	563-58-6	<5	<5	<1	<5	<5	<1	*	5
Carbon Tetrachloride	56-23-5	<5	<5	<1	<5	<5	<1	600	5
2-Chloroethyl vinyl ether	110-75-8	<5	<5	<1	<5	<5	<1	*	*
1,2-Dichloroethane	107-06-2	<5	<5	<1	<5	<5	<1	100	5
Benzene	71-43-2	<5	<5	<1	<5	<5	<1	60	0.7
Trichloroethene	79-01-6	<5	<5	<1	<5	<5	<1	700	5
1,2-Dichloropropane	78-87-5	<5	<5	<1	<5	<5	<1	*	1
Bromodichloromethane	75-27-4	<5	<5	<1	<5	<5	<1	*	50
4-Methyl-2-Pentanone	108-10-1	<5	<5	<1	<5	<5	<1	1,000	50
Dibromomethane	74-95-3	<5	<5	<1	<5	<5	<1	*	5
cis-1,3-Dichloropropene	10061-01-5	<5	<5	<1	<5	<5	<1	*	5
Toluene	108-88-3	<5	<5	<1	<5	<5	<1	1,500	5
trans-1,3-Dichloropropene	10061-02-6	<5	<5	<1	<5	<5	<1	*	*
1,1,2-Trichloroethane	79-00-5	<5	<5	<1	<5	<5	<1	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	NYS DEC
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8260									
Parameter	CAS No.								
2-Hexanone	591-78-6	<5	<5	<1	<5	<5	<1	*	**50
1,3-Dichloropropane	142-28-9	<5	<5	<1	<5	<5	<1	300	5
Tetrachloroethene	127-18-4	<5	<5	<1	<5	<5	<1	1,400	5
Chlorodibromomethane	124-48-1	<5	<5	<1	<5	<5	<1	*	*
1,2-Dibromoethane	106-93-4	<5	<5	<1	<5	<5	<1	*	*
Chlorobenzene	108-90-7	<5	<5	<1	<5	<5	<1	1,700	5
1,1,1,2-Tetrachloroethane	630-20-6	<5	<5	<1	<5	<5	<1	*	5
Ethylbenzene	100-41-4	<5	<5	<1	<5	<5	<1	5,500	5
m+p Xylene	108-38-3/106-42-3	<10	<10	<2	<10	<10	<2	1,200	5
o-Xylene	95-47-6	<5	<5	<1	<5	<5	<1	1,200	5
Styrene	100-42-5	<5	<5	<1	<5	<5	<1	*	5
Isopropylbenzene	98-82-8	<5	<5	<1	<5	<5	<1	*	5
Bromoform	75-25-2	<5	<5	<1	<5	<5	<1	*	**50
1,2,3-Trichloropropane	96-18-4	<5	<5	<1	<5	<5	<1	400	5
n-Propylbenzene	103-65-1	<5	<5	<1	<5	<5	<1	*	5
Bromobenzene	108-86-1	<5	<5	<1	<5	<5	<1	*	5
1,3,5-Trimethylbenzene	108-67-8	<5	<5	<1	<5	<5	<1	*	5
2-Chlorotoluene	95-49-8	<5	<5	<1	<5	<5	<1	*	5
4-Chlorotoluene	106-43-4	<5	<5	<1	<5	<5	<1	*	5
tert-Butylbenzene	98-06-6	<5	<5	<1	<5	<5	<1	*	5
1,2,4-Trimethylbenzene	95-63-6	<5	<5	<1	<5	<5	<1	*	5
sec-Butylbenzene	135-98-8	<5	<5	<1	<5	<5	<1	*	5
4-Isopropyltoluene	99-87-6	<5	<5	<1	<5	<5	<1	*	5
1,1,2,2-Tetrachloroethane	79-34-5	<5	<5	<1	<5	<5	<1	600	5
1,3-Dichlorobenzene	541-73-1	<5	<5	<1	<5	<5	<1	1,600	5
1,4-Dichlorobenzene	106-46-7	<5	<5	<1	<5	<5	<1	8,500	5
1,2-Dichlorobenzene	95-50-1	<5	<5	<1	<5	<5	<1	7,900	4.7
n-Butylbenzene	104-51-8	<5	<5	<1	<5	<5	<1	*	5
1,2-Dibromo-3-chloropropane	96-12-8	<5	<5	<1	<5	<5	<1	*	0.04
1,2,4-Trichlorobenzene	120-82-1	<5	<5	<1	<5	<5	<1	3,400	5
Hexachlorobutadiene	87-68-3	<5	<5	<1	<5	<5	<1	*	0.5
Naphthalene	91-20-3	<5	<5	<1	<5	<5	<1	*	**10
1,2,3-Trichlorobenzene	87-61-6	<5	<5	<1	<5	<5	<1	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	NYS DEC
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
Pyridine	110-86-1	<40	<40	<40	<40	<40	<40	*	**50
N-Nitrosodimethylamine	62-75-9	<40	<40	<40	<40	<40	<40	*	*
Aniline	62-53-3	<40	<40	<40	<40	<40	<40	1,000	5
Bis(2-chloroethyl)ether	111-44-4	<40	<40	<40	<40	<40	<40	*	1
Phenol	108-95-1	<40	<40	<40	<40	<40	<40	30 or MDL	1
2-Chlorophenol	95-57-8	<40	<40	<40	<40	<40	<40	800	*
1,3-Dichlorobenzene	541-73-1	<40	<40	<40	<40	<40	<40	1,600	5
1,4-Dichlorobenzene	106-46-7	<40	<40	<40	<40	<40	<40	8,500	5
1,2-Dichlorobenzene	95-50-1	<40	<40	<40	<40	<40	<40	7,900	4.7
Benzyl Alcohol	100-51-6	<40	<40	<40	<40	<40	<40	*	*
Bis(2-chloroisopropyl)ether	108-60-1	<40	<40	<40	<40	<40	<40	*	*
2-Methylphenol	95-48-7	<40	<40	<40	<40	<40	<40	100 or MDL	*
Hexachloroethane	67-72-1	<40	<40	<40	<40	<40	<40	*	*
N-Nitrosodi-n-propylamine	621-64-7	<40	<40	<40	<40	<40	<40	*	*
3+4-Methylphenol	108-39-4 / 106-44-5	<40	<40	<40	<40	<40	<40	*	*
Nitrobenzene	98-95-3	<40	<40	<40	<40	<40	<40	200 or MDL	5
Isophorone	78-59-1	<40	<40	<40	<40	<40	<40	4,400	50*
2- Nitrophenol	88-75-5	<40	<40	<40	<40	<40	<40	330 or MDL	*
2,4-Dimethylphenol	105-67-9	<40	<40	<40	<40	<40	<40	*	*
Benzoic Acid	65-85-0	280	<70	<70	<70	<70	<70	2,700	*
Bis(2-chloroethoxy)methane	111-91-1	<40	<40	<40	<40	<40	<40	*	*
2,4-Dichlorophenol	102-83-2	<40	<40	<40	<40	<40	<40	400	1
1,2,4-Trichlorobenzene	120-82-1	<40	<40	<40	<40	<40	<40	3,400	5
Naphthalene	91-20-3	110	<40	<40	<40	<40	<40	13,000	**10
4-Chloroaniline	106-47-8	<40	<40	<40	<40	<40	<40	220 or MDL	*
Hexachlorobutadiene	87-68-3	<40	<40	<40	<40	<40	<40	*	5
4-Chloro-3-methylphenol	59-50-7	<40	<40	<40	<40	<40	<40	240 or MDL	*
2-Methylnaphthalene	91-57-6	130	95	100	<40	<40	<40	36,400	*
Hexachlorocyclopentadiene	77-47-4	<40	<40	<40	<40	<40	<40	*	5
2,4,5-Trichlorophenol	95-95-4	<40	<40	<40	<40	<40	<40	*	*
2,4,6-Trichlorophenol	88-06-2	<40	<40	<40	<40	<40	<40	1,000	*
2-Chloronaphthalene	91-58-7	<40	<40	<40	<40	<40	<40	*	**10
2-Nitroaniline	88-74-4	<40	<40	<40	<40	<40	<40	430 or MDL	*
Acenaphthylene	208-96-8	<40	<40	150	<40	<40	<40	41,000	*
Dimethyl Phthalate	131-11-3	<40	<40	<40	<40	<40	<40	2,000	*50

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	NYS DEC
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
2,6-Dinitrotoluene	606-20-2	<40	<40	<40	<40	<40	<40	1,000	5
Acenaphthene	83-32-9	<40	<40	240	<40	<40	<40	50,000	**20
3-Nitroaniline	99-09-2	<40	<40	<40	<40	<40	<40	0.5 or MDL	*
2,4-Dinitrophenol	51-28-5	<70	<70	<70	<70	<70	<70	200 or MDL	*
Dibenzofuran	132-64-9	<40	<40	<40	<40	<40	<40	6,200	*
2,4-Dinitrotoluene	121-14-2	<40	<40	<40	<40	<40	<40	1,000	*
4-Nitrophenol	100-02-7	<50	<50	<50	<50	<50	<50	100 or MDL	*
Fluorene	86-73-7	<40	<40	320	<40	<40	<40	50,000	**50
4-Chlorophenyl phenyl ether	7005-72-3	<40	<40	<40	<40	<40	<40	*	*
Azobenzene	103-33-3	<40	<40	<40	<40	<40	<40	*	*
Diethyl Phthalate	84-66-2	<40	<40	<40	<40	<40	<40	7,100	**50
4-Nitroaniline	100-01-6	<50	<50	<50	<50	<50	<50	*	*
4,6-Dinitro-2-methylphenol	534-52-1	<40	<40	<40	<40	<40	<40	*	*
N-Nitrosodiphenylamine	86-30-6	<40	<40	<40	<40	<40	<40	*	**50
4-Bromophenyl phenyl ether	101-55-3	<40	<40	<40	<40	<40	<40	*	*
Hexachlorobenzene	118-74-1	<40	<40	<40	<40	<40	<40	410	0.35
Pentachlorophenol	87-86-5	<60	<60	<60	<60	<60	<60	1,000 or MDL	1
Phenanthrene	85-01-8	170	160	3,900	640	<40	120	50,000	**50
Anthracene	120-12-7	45	<40	980	130	<40	<40	50,000	**50
Carbazole	86-74-8	<40	<40	210	<40	<40	<40	*	*
Di-n-butyl Phthalate	84-74-2	<40	<40	<40	<40	<40	<40	8,100	50
Fluoranthene	206-44-0	230	150	5,600	1,500	<40	150	50,000	**50
Benzidine	92-87-5	<40	<40	<40	<40	<40	<40	*	5
Pyrene	129-00-0	290	220	7,800	2,700	<40	200	50,000	**50
Butyl benzyl Phthalate	85-68-7	<40	<40	<40	<40	<40	<40	50,000	**50
3,3´-Dichlorobenzidine	91-94-1	<40	<40	<40	<40	<40	<40	n/a	*
Benzo(a)anthracene	56-55-3	140	110	4,000	1,200	<40	87	224 or MDL	**0.002
Chrysene	218-01-9	160	140	4,400	1,400	<40	110	400	**0.002
Bis(2-ethylhexyl)Phthalate	117-81-7	730	840	440	<40	220	2,400	50,000	50
Di-n-octyl Phthalate	117-84-0	<40	<40	<40	<40	<40	<40	50,000	**50
Benzo(b)fluoranthene	205-99-2	270	260	6,000	1,800	<40	120	1,100	**0.002
Benzo(k)fluoranthene	207-08-9	280	270	6,400	1,900	<40	130	1,100	**0.002
Benzo(a)pyrene	50-32-8	170	150	3,800	1,300	<40	92	61 or MDL	*
Indeno(1,2,3-c,d)pyrene	193-39-5	<40	96	540	1,100	<40	69	3,200	**0.002
Dibenzo(a,h)anthracene	53-70-3	<40	<40	1,100	100	<40	<40	14 or MDL	*
Benzo(g,h,i)perylene	191-24-2	170	100	2,800	1,200	<40	94	50,000	*
	TOTAL:	3,175	2,591	48,780	14,970	220	3,572	500,000	

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
Pyridine	110-86-1	<40	<40	<40	<5	<40	<40	*	**50
N-Nitrosodimethylamine	62-75-9	<40	<40	<40	<5	<40	<40	*	*
Aniline	62-53-3	<40	<40	<40	<5	<40	<40	1,000	5
Bis(2-chloroethyl)ether	111-44-4	<40	<40	<40	<5	<40	<40	*	1
Phenol	108-95-1	<40	<40	<40	<5	<40	<40	30 or MDL	1
2-Chlorophenol	95-57-8	<40	<40	<40	<5	<40	<40	800	*
1,3-Dichlorobenzene	541-73-1	<40	<40	<40	<5	<40	<40	1,600	5
1,4-Dichlorobenzene	106-46-7	<40	<40	<40	<5	<40	<40	8,500	5
1,2-Dichlorobenzene	95-50-1	<40	<40	<40	<5	<40	<40	7,900	4.7
Benzyl Alcohol	100-51-6	<40	<40	<40	<5	<40	<40	*	*
Bis(2-chloroisopropyl)ether	108-60-1	<40	<40	<40	<5	<40	<40	*	*
2-Methylphenol	95-48-7	<40	<40	<40	<5	220	<40	100 or MDL	*
Hexachloroethane	67-72-1	<40	<40	<40	<5	<40	<40	*	*
N-Nitrosodi-n-propylamine	621-64-7	<40	<40	<40	<5	<40	<40	*	*
3+4-Methylphenol	108-39-4 / 106-44-5	<40	<40	<40	<5	<40	<40	*	*
Nitrobenzene	98-95-3	<40	<40	<40	<5	<40	<40	200 or MDL	5
Isophorone	78-59-1	<40	<40	<40	<5	<40	<40	4,400	50*
2- Nitrophenol	88-75-5	<40	<40	<40	<5	<40	<40	330 or MDL	*
2,4-Dimethylphenol	105-67-9	<40	<40	<40	<5	<40	<40	*	*
Benzoic Acid	65-85-0	200	230	<40	<5	<70	<70	2,700	*
Bis(2-chloroethoxy)methane	111-91-1	<40	<40	<40	<5	<40	<40	*	*
2,4-Dichlorophenol	102-83-2	<40	<40	<40	<5	<40	<40	400	1
1,2,4-Trichlorobenzene	120-82-1	<40	<40	<40	<5	<40	<40	3,400	5
Naphthalene	91-20-3	<40	<40	110	18	<40	74	13,000	**10
4-Chloroaniline	106-47-8	<40	<40	<40	<5	<40	<40	220 or MDL	*
Hexachlorobutadiene	87-68-3	<40	<40	<40	<5	<40	<40	*	5
4-Chloro-3-methylphenol	59-50-7	<40	<40	<40	<5	<40	<40	240 or MDL	*
2-Methylnaphthalene	91-57-6	28	<40	88	<5	590	56	36,400	*
Hexachlorocyclopentadiene	77-47-4	<40	<40	<40	<5	<40	<40	*	5
2,4,5-Trichlorophenol	95-95-4	<40	<40	<40	<5	<40	<40	*	*
2,4,6-Trichlorophenol	88-06-2	<40	<40	<40	<5	<40	<40	1,000	*
2-Chloronaphthalene	91-58-7	<40	<40	<40	<5	<40	<40	*	**10
2-Nitroaniline	88-74-4	<40	<40	<40	<5	<40	<40	430 or MDL	*
Acenaphthylene	208-96-8	<40	<40	<40	<5	170	68	41,000	*
Dimethyl Phthalate	131-11-3	<40	<40	<40	<5	<40	<40	2,000	*50

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
2,6-Dinitrotoluene	606-20-2	<40	<40	<40	<5	<40	<40	1,000	5
Acenaphthene	83-32-9	53	<40	100	<5	270	140	50,000	**20
3-Nitroaniline	99-09-2	<40	<40	<40	<5	<40	<40	0.5 or MDL	*
2,4-Dinitrophenol	51-28-5	<70	<70	<70	<5	<70	<70	200 or MDL	*
Dibenzofuran	132-64-9	47	<40	46	<5	210	98	6,200	*
2,4-Dinitrotoluene	121-14-2	<40	<40	<40	<5	<40	<40	1,000	*
4-Nitrophenol	100-02-7	<50	<50	<50	<5	<50	<50	100 or MDL	*
Fluorene	86-73-7	61	<40	100	<5	500	190	50,000	**50
4-Chlorophenyl phenyl ether	7005-72-3	<40	<40	<40	<5	<40	<40	*	*
Azobenzene	103-33-3	<40	<40	<40	<5	<40	<40	*	*
Diethyl Phthalate	84-66-2	<40	<40	<40	<5	<40	<40	7,100	**50
4-Nitroaniline	100-01-6	<50	<50	<50	<5	<50	<50	*	*
4,6-Dinitro-2-methylphenol	534-52-1	<40	<40	<40	<5	<40	<40	*	*
N-Nitrosodiphenylamine	86-30-6	<40	<40	<40	<5	<40	<40	*	**50
4-Bromophenyl phenyl ether	101-55-3	<40	<40	<40	<5	<40	<40	*	*
Hexachlorobenzene	118-74-1	<40	<40	<40	<5	<40	<40	410	0.35
Pentachlorophenol	87-86-5	<60	<60	<60	<5	<60	<60	1,000 or MDL	1
Phenanthrene	85-01-8	570	<40	800	<5	3,200	1,200	50,000	**50
Anthracene	120-12-7	130	<40	190	<5	750	370	50,000	**50
Carbazole	86-74-8	60	<40	91	<5	<40	110	*	*
Di-n-butyl Phthalate	84-74-2	<40	<40	<40	<5	<40	<40	8,100	50
Fluoranthene	206-44-0	490	<40	690	<5	4,900	1,300	50,000	**50
Benzidine	92-87-5	<40	<40	<40	<5	<40	<40	*	5
Pyrene	129-00-0	460	<40	780	<5	4,500	1,200	50,000	**50
Butyl benzyl Phthalate	85-68-7	<40	<40	<40	<5	<40	<40	50,000	**50
3,3´-Dichlorobenzidine	91-94-1	<40	<40	<40	<5	<40	<40	n/a	*
Benzo(a)anthracene	56-55-3	220	<40	360	<5	2,100	910	224 or MDL	**0.002
Chrysene	218-01-9	220	<40	380	<5	2,800	940	400	**0.002
Bis(2-ethylhexyl)Phthalate	117-81-7	2,500	2,200	1,600	<5	910	660	50,000	50
Di-n-octyl Phthalate	117-84-0	<40	<40	<40	<5	<40	<40	50,000	**50
Benzo(b)fluoranthene	205-99-2	300	<40	510	<5	3,200	1,400	1,100	**0.002
Benzo(k)fluoranthene	207-08-9	310	<40	540	<5	3,400	1,500	1,100	**0.002
Benzo(a)pyrene	50-32-8	220	<40	310	<5	1,800	840	61 or MDL	*
Indeno(1,2,3-c,d)pyrene	193-39-5	150	<40	240	<5	1,100	83	3,200	**0.002
Dibenzo(a,h)anthracene	53-70-3	<40	<40	86	<5	520	190	14 or MDL	*
Benzo(g,h,i)perylene	191-24-2	170	<40	230	<5	1,300	440	50,000	*
	TOTAL:	6,289	2,430	7,251		32,440	11,770	500,000	

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	NYS DEC
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
Pyridine	110-86-1	<80	<80	<5	<80	<320	<5	*	**50
N-Nitrosodimethylamine	62-75-9	<80	<80	<5	<80	<320	<5	*	*
Aniline	62-53-3	<80	<80	<5	<80	<320	<5	1,000	5
Bis(2-chloroethyl)ether	111-44-4	<80	<80	<5	<80	<320	<5	*	1
Phenol	108-95-1	<80	<80	<5	<80	<320	<5	30 or MDL	1
2-Chlorophenol	95-57-8	<80	<80	<5	<80	<320	<5	800	*
1,3-Dichlorobenzene	541-73-1	<80	<80	<5	<80	<320	<5	1,600	5
1,4-Dichlorobenzene	106-46-7	<80	<80	<5	<80	<320	<5	8,500	5
1,2-Dichlorobenzene	95-50-1	<80	<80	<5	<80	<320	<5	7,900	4.7
Benzyl Alcohol	100-51-6	<80	<80	<5	<80	<320	<5	*	*
Bis(2-chloroisopropyl)ether	108-60-1	<80	<80	<5	<80	<320	<5	*	*
2-Methylphenol	95-48-7	<80	<80	<5	<80	<320	<5	100 or MDL	*
Hexachloroethane	67-72-1	<80	<80	<5	<80	<320	<5	*	*
N-Nitrosodi-n-propylamine	621-64-7	<80	<80	<5	<80	<320	<5	*	*
3+4-Methylphenol	108-39-4 / 106-44-5	<80	<80	<5	<80	<320	<5	*	*
Nitrobenzene	98-95-3	<80	<80	<5	<80	<320	<5	200 or MDL	5
Isophorone	78-59-1	<80	<80	<5	<80	<320	<5	4,400	50*
2- Nitrophenol	88-75-5	<80	<80	<5	<80	<320	<5	330 or MDL	*
2,4-Dimethylphenol	105-67-9	<80	<80	<5	<80	<320	<5	*	*
Benzoic Acid	65-85-0	<140	<140	<5	190	<560	<5	2,700	*
Bis(2-chloroethoxy)methane	111-91-1	<80	<80	<5	<80	<320	<5	*	*
2,4-Dichlorophenol	102-83-2	<80	<80	<5	<80	<320	<5	400	1
1,2,4-Trichlorobenzene	120-82-1	<80	<80	<5	<80	<320	<5	3,400	5
Naphthalene	91-20-3	460	87	<5	<80	3,800	<5	13,000	**10
4-Chloroaniline	106-47-8	<80	<80	<5	<80	<320	<5	220 or MDL	*
Hexachlorobutadiene	87-68-3	<80	<80	<5	<80	<320	<5	*	5
4-Chloro-3-methylphenol	59-50-7	<80	<80	<5	<80	<320	<5	240 or MDL	*
2-Methylnaphthalene	91-57-6	1,200	<80	<5	<80	1,500	<5	36,400	*
Hexachlorocyclopentadiene	77-47-4	<80	<80	<5	<80	<320	<5	*	5
2,4,5-Trichlorophenol	95-95-4	<80	<80	<5	<80	<320	<5	*	*
2,4,6-Trichlorophenol	88-06-2	<80	<80	<5	<80	<320	<5	1,000	*
2-Chloronaphthalene	91-58-7	<80	<80	<5	<80	<320	<5	*	**10
2-Nitroaniline	88-74-4	<80	<80	<5	<80	<320	<5	430 or MDL	*
Acenaphthylene	208-96-8	120	<80	<5	170	620	<5	41,000	*
Dimethyl Phthalate	131-11-3	<80	<80	<5	<80	<320	<5	2,000	*50

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	NYS DEC
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
2,6-Dinitrotoluene	606-20-2	<80	<80	<5	<80	<320	<5	1,000	5
Acenaphthene	83-32-9	80	170	<5	200	3,800	<5	50,000	**20
3-Nitroaniline	99-09-2	<80	<80	<5	<80	<320	<5	0.5 or MDL	*
2,4-Dinitrophenol	51-28-5	<140	<140	<5	<140	<560	<5	200 or MDL	*
Dibenzofuran	132-64-9	170	95	<5	98	2,300	<5	6,200	*
2,4-Dinitrotoluene	121-14-2	<80	<80	<5	<80	<320	<5	1,000	*
4-Nitrophenol	100-02-7	<100	<100	<5	<100	<400	<5	100 or MDL	*
Fluorene	86-73-7	280	140	<5	250	4,500	<5	50,000	**50
4-Chlorophenyl phenyl ether	7005-72-3	<80	<80	<5	<80	<320	<5	*	*
Azobenzene	103-33-3	<80	<80	<5	<80	<320	<5	*	*
Diethyl Phthalate	84-66-2	<80	<80	<5	<80	<320	<5	7,100	**50
4-Nitroaniline	100-01-6	<100	<100	<5	<100	<400	<5	*	*
4,6-Dinitro-2-methylphenol	534-52-1	<80	<80	<5	<80	<320	<5	*	*
N-Nitrosodiphenylamine	86-30-6	<80	<80	<5	<80	<320	<5	*	**50
4-Bromophenyl phenyl ether	101-55-3	<80	<80	<5	<80	<320	<5	*	*
Hexachlorobenzene	118-74-1	<80	<80	<5	<80	<320	<5	410	0.35
Pentachlorophenol	87-86-5	<120	<120	<5	<60	<240	<5	1,000 or MDL	1
Phenanthrene	85-01-8	1,400	1,500	<5	2,800	31,000	<5	50,000	**50
Anthracene	120-12-7	260	380	<5	670	7,600	<5	50,000	**50
Carbazole	86-74-8	90	110	<5	300	3,300	<5	*	*
Di-n-butyl Phthalate	84-74-2	110	<80	<5	<80	<320	<5	8,100	50
Fluoranthene	206-44-0	1,100	2,100	<5	4,400	30,000	<5	50,000	**50
Benzidine	92-87-5	<80	<80	<5	<80	<320	<5	*	5
Pyrene	129-00-0	990	2,100	<5	3,900	24,000	<5	50,000	**50
Butyl benzyl Phthalate	85-68-7	<80	<80	<5	<80	<320	<5	50,000	**50
3,3'-Dichlorobenzidine	91-94-1	<80	<80	<5	<80	<320	<5	n/a	*
Benzo(a)anthracene	56-55-3	570	970	<5	2,000	12,000	<5	224 or MDL	**0.002
Chrysene	218-01-9	740	1,000	<5	2,200	11,000	<5	400	**0.002
Bis(2-ethylhexyl)Phthalate	117-81-7	110	460	<5	100	660	<5	50,000	50
Di-n-octyl Phthalate	117-84-0	<80	<80	<5	<80	<320	<5	50,000	**50
Benzo(b)fluoranthene	205-99-2	520	940	<5	2,500	13,000	<5	1,100	**0.002
Benzo(k)fluoranthene	207-08-9	360	670	<5	880	4,500	<5	1,100	**0.002
Benzo(a)pyrene	50-32-8	500	950	<5	2,000	10,000	<5	61 or MDL	*
Indeno(1,2,3-c,d)pyrene	193-39-5	310	550	<5	1,200	5,600	<5	3,200	**0.002
Dibenzo(a,h)anthracene	53-70-3	110	150	<5	340	1,700	<5	14 or MDL	*
Benzo(g,h,i)perylene	191-24-2	340	620	<5	1,300	5,200	<5	50,000	*
	TOTALS:	9,820	12,992		25,498	176,080		500,000	

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	NYS DEC
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
Pyridine	110-86-1	<1600	<80	<5	<320	<320	<5	*	**50
N-Nitrosodimethylamine	62-75-9	<1600	<80	<5	<320	<320	<5	*	*
Aniline	62-53-3	<1600	<80	<5	<320	<320	<5	1,000	5
Bis(2-chloroethyl)ether	111-44-4	<1600	<80	<5	<320	<320	<5	*	1
Phenol	108-95-1	<1600	<80	<5	<320	<320	<5	30 or MDL	1
2-Chlorophenol	95-57-8	<1600	<80	<5	<320	<320	<5	800	*
1,3-Dichlorobenzene	541-73-1	<1600	<80	<5	<320	<320	<5	1,600	5
1,4-Dichlorobenzene	106-46-7	<1600	<80	<5	<320	<320	<5	8,500	5
1,2-Dichlorobenzene	95-50-1	<1600	<80	<5	<320	<320	<5	7,900	4.7
Benzyl Alcohol	100-51-6	<1600	<80	<5	<320	<320	<5	*	*
Bis(2-chloroisopropyl)ether	108-60-1	<1600	<80	<5	<320	<320	<5	*	*
2-Methylphenol	95-48-7	<1600	<80	<5	<320	<320	<5	100 or MDL	*
Hexachloroethane	67-72-1	<1600	<80	<5	<320	<320	<5	*	*
N-Nitrosodi-n-propylamine	621-64-7	<1600	<80	<5	<320	<320	<5	*	*
3+4-Methylphenol	108-39-4 / 106-44-5	<1600	<80	<5	<320	<320	<5	*	*
Nitrobenzene	98-95-3	<1600	<80	<5	<320	<320	<5	200 or MDL	5
Isophorone	78-59-1	<1600	<80	<5	<320	<320	<5	4,400	50*
2- Nitrophenol	88-75-5	<1600	<80	<5	<320	<320	<5	330 or MDL	*
2,4-Dimethylphenol	105-67-9	<1600	<80	<5	<320	<320	<5	*	*
Benzoic Acid	65-85-0	<2800	170	<5	<560	<560	<5	2,700	*
Bis(2-chloroethoxy)methane	111-91-1	<1600	<80	<5	<320	<320	<5	*	*
2,4-Dichlorophenol	102-83-2	<1600	<80	<5	<320	<320	<5	400	1
1,2,4-Trichlorobenzene	120-82-1	<1600	<80	<5	<320	<320	<5	3,400	5
Naphthalene	91-20-3	2,000	150	<5	<320	<320	<5	13,000	**10
4-Chloroaniline	106-47-8	<1600	<80	<5	<320	<320	<5	220 or MDL	*
Hexachlorobutadiene	87-68-3	<1600	<80	<5	<320	<320	<5	*	5
4-Chloro-3-methylphenol	59-50-7	<1600	<80	<5	<320	<320	<5	240 or MDL	*
2-Methylnaphthalene	91-57-6	1,600	120	<5	<320	<320	<5	36,400	*
Hexachlorocyclopentadiene	77-47-4	<1600	<80	<5	<320	<320	<5	*	5
2,4,5-Trichlorophenol	95-95-4	<1600	<80	<5	<320	<320	<5	*	*
2,4,6-Trichlorophenol	88-06-2	<1600	<80	<5	<320	<320	<5	1,000	*
2-Chloronaphthalene	91-58-7	<1600	<80	<5	<320	<320	<5	*	**10
2-Nitroaniline	88-74-4	<1600	<80	<5	<320	<320	<5	430 or MDL	*
Acenaphthylene	208-96-8	<1600	120	<5	<320	<320	<5	41,000	*
Dimethyl Phthalate	131-11-3	<1600	<80	<5	<320	<320	<5	2,000	*50

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	NYS DEC
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
2,6-Dinitrotoluene	606-20-2	<1600	<80	<5	<320	<320	<5	1,000	5
Acenaphthene	83-32-9	6,100	360	<5	460	1,200	<5	50,000	**20
3-Nitroaniline	99-09-2	<1600	<80	<5	<320	<320	<5	0.5 or MDL	*
2,4-Dinitrophenol	51-28-5	<2800	<140	<5	<560	<560	<5	200 or MDL	*
Dibenzofuran	132-64-9	2,800	220	<5	<320	640	<5	6,200	*
2,4-Dinitrotoluene	121-14-2	<1600	<80	<5	<320	<320	<5	1,000	*
4-Nitrophenol	100-02-7	<2000	<100	<5	<400	<400	<5	100 or MDL	*
Fluorene	86-73-7	5,300	380	<5	450	1,200	<5	50,000	**50
4-Chlorophenyl phenyl ether	7005-72-3	<1600	<80	<5	<320	<320	<5	*	*
Azobenzene	103-33-3	<1600	<80	<5	<320	<320	<5	*	*
Diethyl Phthalate	84-66-2	<1600	<80	<5	<320	<320	<5	7,100	**50
4-Nitroaniline	100-01-6	<2000	<100	<5	<400	<400	<5	*	*
4,6-Dinitro-2-methylphenol	534-52-1	<1600	<80	<5	<320	<320	<5	*	*
N-Nitrosodiphenylamine	86-30-6	<1600	<80	<5	<320	<320	<5	*	**50
4-Bromophenyl phenyl ether	101-55-3	<1600	<80	<5	<320	<320	<5	*	*
Hexachlorobenzene	118-74-1	<1600	<80	<5	<320	<320	<5	410	0.35
Pentachlorophenol	87-86-5	<2400	<120	<5	<480	<480	<5	1,000 or MDL	1
Phenanthrene	85-01-8	79,000	6,100	<5	7,300	15,000	<5	50,000	**50
Anthracene	120-12-7	9,200	830	<5	1,400	3,300	<5	50,000	**50
Carbazole	86-74-8	6,200	590	<5	540	1000	<5	*	*
Di-n-butyl Phthalate	84-74-2	<1600	<80	<5	<320	<320	<5	8,100	50
Fluoranthene	206-44-0	86,000	7,100	<5	11,000	20,000	<5	50,000	**50
Benzidine	92-87-5	<1600	<80	<5	<320	<320	<5	*	5
Pyrene	129-00-0	76,000	5,900	<5	10,000	18,000	<5	50,000	**50
Butyl benzyl Phthalate	85-68-7	<1600	<80	<5	<320	<320	<5	50,000	**50
3,3'-Dichlorobenzidine	91-94-1	<1600	<80	<5	<320	<320	<5	n/a	*
Benzo(a)anthracene	56-55-3	30,000	2,600	<5	5,400	9,200	<5	224 or MDL	**0.002
Chrysene	218-01-9	38,000	3,200	<5	5,300	9,000	<5	400	**0.002
Bis(2-ethylhexyl)Phthalate	117-81-7	<1600	<80	<5	350	430	<5	50,000	50
Di-n-octyl Phthalate	117-84-0	<1600	<80	<5	<320	<320	<5	50,000	**50
Benzo(b)fluoranthene	205-99-2	40,000	3,400	<5	4,700	10,000	<5	1,100	**0.002
Benzo(k)fluoranthene	207-08-9	14,000	1,400	<5	4,100	3,400	<5	1,100	**0.002
Benzo(a)pyrene	50-32-8	31,000	2,800	<5	5,000	8,200	<5	61 or MDL	*
Indeno(1,2,3-c,d)pyrene	193-39-5	20,000	1,900	<5	3,200	4,900	<5	3,200	**0.002
Dibenzo(a,h)anthracene	53-70-3	5,500	490	<5	820	1,400	<5	14 or MDL	*
Benzo(g,h,i)perylene	191-24-2	22,000	2,000	<5	3,400	5,000	<5	50,000	*
	TOTAL:	472,700	39,630		92,220	111,870		500,000	

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.
		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Pesticides SW-846 8081								
Parameter	CAS No.							
DBCP	96-12-8	NA	NA	<5	NA	NA	<5	*
Hexachlorocyclopentadiene	77-47-4	NA	NA	<5	NA	NA	<5	*
Hexachlorobenzene	118-74-1	NA	NA	<5	NA	NA	<5	*
alpha-BHC	319-84-6	NA	NA	<5	NA	NA	<5	110
gamma-BHC(Lindane)	58-89-9	NA	NA	<5	NA	NA	<5	60
beta-BHC	319-85-7	NA	NA	<5	NA	NA	<5	200
Heptachlor	76-44-8	NA	NA	<5	NA	NA	<5	100
delta-BHC	319-86-8	NA	NA	<5	NA	NA	<5	300
Aldrin	309-00-2	NA	NA	<5	NA	NA	<5	41
Isodrin	465-73-6	NA	NA	<5	NA	NA	<5	*
Heptachlor Epoxide	1024-57-3	NA	NA	<5	NA	NA	<5	20
Endosulfan I	959-98-8	NA	NA	<5	NA	NA	<5	900
4,4'-DDE	72-55-9	NA	NA	<5	NA	NA	<5	2,100
Dieldrin	60-57-1	NA	NA	<5	NA	NA	<5	44
Endrin	72-20-8	NA	NA	<5	NA	NA	<5	100
Chlorobenzilate	510-15-6	NA	NA	<5	NA	NA	<5	*
4,4'-DDD	72-54-8	NA	NA	<5	NA	NA	<5	2,900
Endosulfan II	33213-65-9	NA	NA	<5	NA	NA	<5	900
4,4'-DDT	50-29-3	NA	NA	6	NA	NA	<5	2,100
Endrin Aldehyde	7421-93-4	NA	NA	<5	NA	NA	<5	*
Endosulfan Sulfate	1031-07-8	NA	NA	<5	NA	NA	<5	1,000
Methoxychlor	72-43-5	NA	NA	<5	NA	NA	<5	*
Endrin Ketone	53494-70-5	NA	NA	<5	NA	NA	<5	*
Chlordane	57-74-9	NA	NA	<5	NA	NA	<5	540
Toxaphene	8001-35-2	NA	NA	<10	NA	NA	<10	*

*No TAGM RSCO exists for this parameter

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
Pesticides SW-846 8081									
Parameter	**CAS No.**								
DBCP	96-12-8	NA	NA	NA	NA	NA	NA	*	*
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	NA	NA	NA	*	5
Hexachlorobenzene	118-74-1	NA	NA	NA	NA	NA	NA	*	0.04
alpha-BHC	319-84-6	NA	NA	NA	NA	NA	NA	110	<0.05
gamma-BHC(Lindane)	58-89-9	NA	NA	NA	NA	NA	NA	60	<0.05
beta-BHC	319-85-7	NA	NA	NA	NA	NA	NA	200	<0.05
Heptachlor	76-44-8	NA	NA	NA	NA	NA	NA	100	<0.01
delta-BHC	319-86-8	NA	NA	NA	NA	NA	NA	300	<0.05
Aldrin	309-00-2	NA	NA	NA	NA	NA	NA	41	<0.01
Isodrin	465-73-6	NA	NA	NA	NA	NA	NA	*	5
Heptachlor Epoxide	1024-57-3	NA	NA	NA	NA	NA	NA	20	<0.01
Endosulfan I	959-98-8	NA	NA	NA	NA	NA	NA	900	0.1
4,4'-DDE	72-55-9	NA	NA	NA	NA	NA	NA	2,100	<0.01
Dieldrin	60-57-1	NA	NA	NA	NA	NA	NA	44	<0.01
Endrin	72-20-8	NA	NA	NA	NA	NA	NA	100	<0.01
Chlorobenzilate	510-15-6	NA	NA	NA	NA	NA	NA	*	*
4,4'-DDD	72-54-8	NA	NA	NA	NA	NA	NA	2,900	<0.01
Endosulfan II	33213-65-9	NA	NA	NA	NA	NA	NA	900	0.1
4,4'-DDT	50-29-3	NA	NA	NA	NA	NA	NA	2,100	<0.01
Endrin Aldehyde	7421-93-4	NA	NA	NA	NA	NA	NA	*	5
Endosulfan Sulfate	1031-07-8	NA	NA	NA	NA	NA	NA	1,000	0.1
Methoxychlor	72-43-5	NA	NA	NA	NA	NA	NA	*	35
Endrin Ketone	53494-70-5	NA	NA	NA	NA	NA	NA	*	*
Chlordane	57-74-9	NA	NA	NA	NA	NA	NA	540	0.1
Toxaphene	8001-35-2	NA	NA	NA	NA	NA	NA	*	0.06

*No RSCO exists for this parameter.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg
Pesticides SW-846 8081								
Parameter	CAS No.							
DBCP	96-12-8	NA	NA	NA	<5	NA	NA	*
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	<5	NA	NA	*
Hexachlorobenzene	118-74-1	NA	NA	NA	<5	NA	NA	*
alpha-BHC	319-84-6	NA	NA	NA	<5	NA	NA	110
gamma-BHC(Lindane)	58-89-9	NA	NA	NA	<5	NA	NA	60
beta-BHC	319-85-7	NA	NA	NA	<5	NA	NA	200
Heptachlor	76-44-8	NA	NA	NA	<5	NA	NA	100
delta-BHC	319-86-8	NA	NA	NA	<5	NA	NA	300
Aldrin	309-00-2	NA	NA	NA	<5	NA	NA	41
Isodrin	465-73-6	NA	NA	NA	<5	NA	NA	*
Heptachlor Epoxide	1024-57-3	NA	NA	NA	<5	NA	NA	20
Endosulfan I	959-98-8	NA	NA	NA	<5	NA	NA	900
4,4'-DDE	72-55-9	NA	NA	NA	<5	NA	NA	2,100
Dieldrin	60-57-1	NA	NA	NA	<5	NA	NA	44
Endrin	72-20-8	NA	NA	NA	<5	NA	NA	100
Chlorobenzilate	510-15-6	NA	NA	NA	<5	NA	NA	*
4,4'-DDD	72-54-8	NA	NA	NA	<5	NA	NA	2,900
Endosulfan II	33213-65-9	NA	NA	NA	<5	NA	NA	900
4,4'-DDT	50-29-3	NA	NA	NA	<5	NA	NA	2,100
Endrin Aldehyde	7421-93-4	NA	NA	NA	<5	NA	NA	*
Endosulfan Sulfate	1031-07-8	NA	NA	NA	<5	NA	NA	1,000
Methoxychlor	72-43-5	NA	NA	NA	<5	NA	NA	*
Endrin Ketone	53494-70-5	NA	NA	NA	<5	NA	NA	*
Chlordane	57-74-9	NA	NA	NA	<5	NA	NA	540
Toxaphene	8001-35-2	NA	NA	NA	<10	NA	NA	*

*No RSCO exists for this parameter.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg
Pesticides SW-846 8081								
Parameter	CAS No.							
DBCP	96-12-8	NA	NA	NA	<5	NA	NA	*
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	<5	NA	NA	*
Hexachlorobenzene	118-74-1	NA	NA	NA	<5	NA	NA	*
alpha-BHC	319-84-6	NA	NA	NA	<5	NA	NA	110
gamma-BHC(Lindane)	58-89-9	NA	NA	NA	<5	NA	NA	60
beta-BHC	319-85-7	NA	NA	NA	<5	NA	NA	200
Heptachlor	76-44-8	NA	NA	NA	<5	NA	NA	100
delta-BHC	319-86-8	NA	NA	NA	<5	NA	NA	300
Aldrin	309-00-2	NA	NA	NA	<5	NA	NA	41
Isodrin	465-73-6	NA	NA	NA	<5	NA	NA	*
Heptachlor Epoxide	1024-57-3	NA	NA	NA	<5	NA	NA	20
Endosulfan I	959-98-8	NA	NA	NA	60	NA	NA	900
4,4'-DDE	72-55-9	NA	NA	NA	<5	NA	NA	2,100
Dieldrin	60-57-1	NA	NA	NA	<5	NA	NA	44
Endrin	72-20-8	NA	NA	NA	<5	NA	NA	100
Chlorobenzilate	510-15-6	NA	NA	NA	<5	NA	NA	*
4,4'-DDD	72-54-8	NA	NA	NA	<5	NA	NA	2,900
Endosulfan II	33213-65-9	NA	NA	NA	<5	NA	NA	900
4,4'-DDT	50-29-3	NA	NA	NA	9.6	NA	NA	2,100
Endrin Aldehyde	7421-93-4	NA	NA	NA	<5	NA	NA	*
Endosulfan Sulfate	1031-07-8	NA	NA	NA	<5	NA	NA	1,000
Methoxychlor	72-43-5	NA	NA	NA	<5	NA	NA	*
Endrin Ketone	53494-70-5	NA	NA	NA	9.2	NA	NA	*
Chlordane	57-74-9	NA	NA	NA	<5	NA	NA	540
Toxaphene	8001-35-2	NA	NA	NA	<10	NA	NA	*

*No RSCO exists for this parameter.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.
		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PBCs SW-846 8082								
Parameter	CAS No.							
Aroclor-1016	12674-11-2	NA	NA	<80	NA	NA	<80	***
Aroclor-1221	11104-28-2	NA	NA	<80	NA	NA	<80	***
Aroclor-1232	11141-16-5	NA	NA	<80	NA	NA	<80	***
Aroclor-1242	53469-21-9	NA	NA	<80	NA	NA	<80	***
Aroclor-1248	12672-29-6	NA	NA	<80	NA	NA	<80	***
Aroclor-1254	11097-69-1	NA	NA	130	NA	NA	<80	***
Aroclor-1260	11096-82-5	NA	NA	170	NA	NA	<80	***
	TOTAL:			300				1000 surface

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.
		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg
PBCs SW-846 8082								
Parameter	CAS No.							
Aroclor-1016	12674-11-2	NA	NA	NA	NA	NA	NA	***
Aroclor-1221	11104-28-2	NA	NA	NA	NA	NA	NA	***
Aroclor-1232	11141-16-5	NA	NA	NA	NA	NA	NA	***
Aroclor-1242	53469-21-9	NA	NA	NA	NA	NA	NA	***
Aroclor-1248	12672-29-6	NA	NA	NA	NA	NA	NA	***
Aroclor-1254	11097-69-1	NA	NA	NA	NA	NA	NA	***
Aroclor-1260	11096-82-5	NA	NA	NA	NA	NA	NA	***
	TOTAL:							1,000 surface

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg
PBCs SW-846 8082								
Parameter	CAS No.							
Aroclor-1016	12674-11-2	NA	NA	NA	<80	NA	NA	***
Aroclor-1221	11104-28-2	NA	NA	NA	<80	NA	NA	***
Aroclor-1232	11141-16-5	NA	NA	NA	<80	NA	NA	***
Aroclor-1242	53469-21-9	NA	NA	NA	<80	NA	NA	***
Aroclor-1248	12672-29-6	NA	NA	NA	<80	NA	NA	***
Aroclor-1254	11097-69-1	NA	NA	NA	<80	NA	NA	***
Aroclor-1260	11096-82-5	NA	NA	NA	<80	NA	NA	***
	TOTAL:				0			1,000 surface

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg
PBCs SW-846 8082								
Parameter	CAS No.							
Aroclor-1016	12674-11-2	NA	NA	NA	<80	NA	NA	***
Aroclor-1221	11104-28-2	NA	NA	NA	<80	NA	NA	***
Aroclor-1232	11141-16-5	NA	NA	NA	<80	NA	NA	***
Aroclor-1242	53469-21-9	NA	NA	NA	<80	NA	NA	***
Aroclor-1248	12672-29-6	NA	NA	NA	<80	NA	NA	***
Aroclor-1254	11097-69-1	NA	NA	NA	<80	NA	NA	***
Aroclor-1260	11096-82-5	NA	NA	NA	<80	NA	NA	***
	TOTAL:				0			1,000 surface

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	Class GA Ambient
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Water Qual.
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Standards
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	mg/L
TAL METALS									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	SB	0.05
Aluminum, Al	1.0	7,584	6,432	2,569	3,783	751	3,481	SB	*
Arsenic, As	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7.5 or SB	0.025
Barium, Ba	0.5	35.5	44.5	51.4	68.4	11.3	127	300 or SB	1
Beryllium, Be	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.16 or SB	**0.003
Calcium, Ca	1.0	6,960	6,144	75,688	3,905	2,750	14,069	SB	*
Cadmium, Cd	0.5	0.058	<0.5	<0.5	<0.5	<0.5	<0.5	1 or SB	0.01
Cobalt, Co	0.5	<0.5	<0.5	<0.5	0.608	1.68	<0.5	30 or SB	*
Chromium, Cr	0.5	11.1	11.7	3.89	7.23	2.65	4.27	10 or SB	0.05
Copper, Cu	0.5	16.5	18.2	32.2	44.5	11.4	5.30	25 or SB	0.2
Iron, Fe	0.5	14,880	16,464	8,477	12,005	3,344	5,655	2,000 or SB	0.3
Potassium, K	3.0	474	507	<3.0	384	117	<3.0	SB	*
Magnesium, Mg	1.0	1,896	3,638	34,773	1,019	1,121	2,637	SB	**35
Manganese, Mn	0.5	190	311	134	110	17.5	61.4	SB	0.3
Sodium, Na	1.0	189	151	209	419	318	136	SB	20
Nickel, Ni	0.5	9.08	9.79	6.35	16.9	6.04	4.15	13 or SB	*
Lead, Pb	0.5	32.4	31.1	61.1	380	8.54	291	SB	0.025
Antimony, Sb	1.0	<1.0	<1.0	<1.0	21.7	<1.0	<1.0	SB	**.003
Selenium, Se	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2 or SB	0.01
Thallium, Tl	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	SB	**.004
Vanadium, V	0.5	17.7	23.4	80.4	13.1	4.91	9.28	150 or SB	*
Zinc, Zn	0.5	25.7	47.4	66.4	75.6	6.53	129	20 or SB	0.3
Mercury, Hg	0.05	<0.05	0.140	0.105	<0.05	0.107	<0.05	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	Class GA Ambient
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Water Qual.
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Standards
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	mg/L
TAL METALS (DISSOLVED)									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	NA	NA	NA	NA	NA	NA	SB	0.05
Aluminum, Al	1.0	NA	NA	NA	NA	NA	NA	SB	*
Arsenic, As	1.0	NA	NA	NA	NA	NA	NA	7.5 or SB	0.025
Barium, Ba	0.5	NA	NA	NA	NA	NA	NA	300 or SB	1
Beryllium, Be	0.5	NA	NA	NA	NA	NA	NA	0.16 or SB	**0.003
Calcium, Ca	1.0	NA	NA	NA	NA	NA	NA	SB	*
Cadmium, Cd	0.5	NA	NA	NA	NA	NA	NA	1 or SB	0.01
Cobalt, Co	0.5	NA	NA	NA	NA	NA	NA	30 or SB	*
Chromium, Cr	0.5	NA	NA	NA	NA	NA	NA	10 or SB	0.05
Copper, Cu	0.5	NA	NA	NA	NA	NA	NA	25 or SB	0.2
Iron, Fe	0.5	NA	NA	NA	NA	NA	NA	2,000 or SB	0.3
Potassium, K	3.0	NA	NA	NA	NA	NA	NA	SB	*
Magnesium, Mg	1.0	NA	NA	NA	NA	NA	NA	SB	**35
Manganese, Mn	0.5	NA	NA	NA	NA	NA	NA	SB	0.3
Sodium, Na	1.0	NA	NA	NA	NA	NA	NA	SB	20
Nickel, Ni	0.5	NA	NA	NA	NA	NA	NA	13 or SB	*
Lead, Pb	0.5	NA	NA	NA	NA	NA	NA	SB	0.025
Antimony, Sb	1.0	NA	NA	NA	NA	NA	NA	SB	**.003
Selenium, Se	1.0	NA	NA	NA	NA	NA	NA	2 or SB	0.01
Thallium, Tl	0.5	NA	NA	NA	NA	NA	NA	SB	**.004
Vanadium, V	0.5	NA	NA	NA	NA	NA	NA	150 or SB	*
Zinc, Zn	0.5	NA	NA	NA	NA	NA	NA	20 or SB	0.3
Mercury, Hg	0.05	NA	NA	NA	NA	NA	NA	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	Class GA Ambient
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Water Qual.
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Standards
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	mg/kg	mg/L
TAL METALS									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	<0.5	<0.5	0.633	<0.030	<0.5	<0.5	SB	0.05
Aluminum, Al	1.0	8,197	2,904	5,040	195	4,525	6,270	SB	*
Arsenic, As	1.0	<1.0	<1.0	<1.0	<0.025	<1.0	<1.0	7.5 or SB	0.025
Barium, Ba	0.5	33.0	16.0	48.6	2.18	108	87.2	300 or SB	1
Beryllium, Be	0.5	<0.5	<0.5	<0.5	<0.030	<0.5	<0.5	0.16 or SB	**0.003
Calcium, Ca	1.0	1,237	1,545	4,282	168	4,131	15,485	SB	*
Cadmium, Cd	0.5	<0.5	<0.5	<0.5	<0.030	<0.5	<0.5	1 or SB	0.01
Cobalt, Co	0.5	<0.5	0.528	<0.5	<0.050	0.597	<0.5	30 or SB	*
Chromium, Cr	0.5	9.66	6.76	8.04	0.906	25.7	7.35	10 or SB	0.05
Copper, Cu	0.5	16.2	7.67	14.1	0.858	116	40.6	25 or SB	0.2
Iron, Fe	0.5	14,793	7,304	9,456	765	13,123	13,348	2,000 or SB	0.3
Potassium, K	3.0	357	306	396	29.9	1,549	2,052	SB	*
Magnesium, Mg	1.0	2,561	2,209	1,747	124	3,534	2,617	SB	**35
Manganese, Mn	0.5	170	66.2	100	22.4	71.3	219	SB	0.3
Sodium, Na	1.0	74.7	140	172	231	153	160	SB	20
Nickel, Ni	0.5	9.22	6.76	8.00	0.516	20.8	7.30	13 or SB	*
Lead, Pb	0.5	12.5	3.57	75.4	0.355	77.8	329	SB	0.025
Antimony, Sb	1.0	<1.0	<1.0	<1.0	<0.050	3.60	<1.0	SB	**.003
Selenium, Se	1.0	<1.0	<1.0	<1.0	<0.025	<1.0	<1.0	2 or SB	0.01
Thallium, Tl	0.5	<0.5	<0.5	<0.5	<0.020	<0.5	<0.5	SB	**.004
Vanadium, V	0.5	14.2	10.6	13.2	0.812	28.8	14.1	150 or SB	*
Zinc, Zn	0.5	31.8	13.2	37.8	3.47	127	47.5	20 or SB	0.3
Mercury, Hg	0.05	0.103	0.114	0.338	0.0035	<0.05	0.094	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	Class GA Ambient
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Water Qual.
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Standards
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	mg/kg	mg/L
TAL METALS (DISSOLVED)									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	NA	NA	NA	<0.030	NA	NA	SB	0.05
Aluminum, Al	1.0	NA	NA	NA	1.52	NA	NA	SB	*
Arsenic, As	1.0	NA	NA	NA	<0.025	NA	NA	7.5 or SB	0.025
Barium, Ba	0.5	NA	NA	NA	0.126	NA	NA	300 or SB	1
Beryllium, Be	0.5	NA	NA	NA	<0.030	NA	NA	0.16 or SB	**0.003
Calcium, Ca	1.0	NA	NA	NA	88.8	NA	NA	SB	*
Cadmium, Cd	0.5	NA	NA	NA	<0.030	NA	NA	1 or SB	0.01
Cobalt, Co	0.5	NA	NA	NA	<0.050	NA	NA	30 or SB	*
Chromium, Cr	0.5	NA	NA	NA	<0.030	NA	NA	10 or SB	0.05
Copper, Cu	0.5	NA	NA	NA	<0.030	NA	NA	25 or SB	0.2
Iron, Fe	0.5	NA	NA	NA	1.25	NA	NA	2,000 or SB	0.3
Potassium, K	3.0	NA	NA	NA	11.3	NA	NA	SB	*
Magnesium, Mg	1.0	NA	NA	NA	43.2	NA	NA	SB	**35
Manganese, Mn	0.5	NA	NA	NA	2.53	NA	NA	SB	0.3
Sodium, Na	1.0	NA	NA	NA	311	NA	NA	SB	20
Nickel, Ni	0.5	NA	NA	NA	<0.030	NA	NA	13 or SB	*
Lead, Pb	0.5	NA	NA	NA	<0.030	NA	NA	SB	0.025
Antimony, Sb	1.0	NA	NA	NA	<0.050	NA	NA	SB	**.003
Selenium, Se	1.0	NA	NA	NA	<0.025	NA	NA	2 or SB	0.01
Thallium, Tl	0.5	NA	NA	NA	<0.020	NA	NA	SB	**.004
Vanadium, V	0.5	NA	NA	NA	0.163	NA	NA	150 or SB	*
Zinc, Zn	0.5	NA	NA	NA	<0.030	NA	NA	20 or SB	0.3
Mercury, Hg	0.05	NA	NA	NA	<0.002	NA	NA	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	Class GA Ambient
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Water Qual.
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Standards
Units:		mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/L
TAL METALS									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	0.845	<0.5	134	<0.5	<0.5	<0.030	SB	0.05
Aluminum, Al	1.0	2,981	10,192	98.2	17,314	8,150	41.0	SB	*
Arsenic, As	1.0	<1.0	<1.0	<0.025	<1.0	<1.0	<0.025	7.5 or SB	0.025
Barium, Ba	0.5	103	73.5	2.74	429	119.0	1.13	300 or SB	1
Beryllium, Be	0.5	<0.5	0.598	<0.030	<0.5	<0.5	<0.030	0.16 or SB	**0.003
Calcium, Ca	1.0	3,043	24,871	1,513	24,325	1,695	92.7	SB	*
Cadmium, Cd	0.5	2.05	<0.5	<0.030	0.667	<0.5	<0.030	1 or SB	0.01
Cobalt, Co	0.5	2.52	<0.5	0.348	<0.5	<0.5	<0.050	30 or SB	*
Chromium, Cr	0.5	5.95	9.05	0.517	19.2	14.90	0.09	10 or SB	0.05
Copper, Cu	0.5	72.8	53.3	3.05	67.5	57.6	1.63	25 or SB	0.2
Iron, Fe	0.5	15,216	9,771	643	27,360	17,950	81.5	2,000 or SB	0.3
Potassium, K	3.0	647	3,796	36.8	385	496	27.1	SB	*
Magnesium, Mg	1.0	1,906	4,558	113	6,156	2,010	93.0	SB	**35
Manganese, Mn	0.5	246	93.7	10.4	255	262	1.82	SB	0.3
Sodium, Na	1.0	146	438	95.2	83.6	101	445	SB	20
Nickel, Ni	0.5	22.3	8.79	1.10	10.0	9.44	0.068	13 or SB	*
Lead, Pb	0.5	191	150	5.83	315	294	1.28	SB	0.025
Antimony, Sb	1.0	<1.0	<1.0	0.076	<1.0	<1.0	<0.050	SB	**.003
Selenium, Se	1.0	<1.0	<1.0	<0.025	<1.0	<1.0	<0.025	2 or SB	0.01
Thallium, Tl	0.5	<0.5	<0.5	<0.020	<0.5	<0.5	<0.020	SB	**.004
Vanadium, V	0.5	9.56	19.8	0.812	20.5	20.4	0.237	150 or SB	*
Zinc, Zn	0.5	321	39.2	6.86	395	220	2.11	20 or SB	0.3
Mercury, Hg	0.05	0.119	<0.05	0.011	0.799	1.12	<0.002	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	Class GA Ambient
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Water Qual.
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Standards
Units:		mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/L
TAL METALS (DISSOLVED)									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	NA	NA	<0.030	NA	NA	<0.030	SB	0.05
Aluminum, Al	1.0	NA	NA	1.38	NA	NA	0.605	SB	*
Arsenic, As	1.0	NA	NA	<0.025	NA	NA	<0.025	7.5 or SB	0.025
Barium, Ba	0.5	NA	NA	0.048	NA	NA	0.063	300 or SB	1
Beryllium, Be	0.5	NA	NA	<0.030	NA	NA	<0.030	0.16 or SB	**0.003
Calcium, Ca	1.0	NA	NA	346	NA	NA	70.3	SB	*
Cadmium, Cd	0.5	NA	NA	<0.030	NA	NA	<0.030	1 or SB	0.01
Cobalt, Co	0.5	NA	NA	<0.050	NA	NA	<0.050	30 or SB	*
Chromium, Cr	0.5	NA	NA	<0.030	NA	NA	<0.030	10 or SB	0.05
Copper, Cu	0.5	NA	NA	<0.030	NA	NA	<0.030	25 or SB	0.2
Iron, Fe	0.5	NA	NA	0.309	NA	NA	0.196	2,000 or SB	0.3
Potassium, K	3.0	NA	NA	19.4	NA	NA	27.3	SB	*
Magnesium, Mg	1.0	NA	NA	59.6	NA	NA	69.9	SB	**35
Manganese, Mn	0.5	NA	NA	1.37	NA	NA	0.517	SB	0.3
Sodium, Na	1.0	NA	NA	85.1	NA	NA	474	SB	20
Nickel, Ni	0.5	NA	NA	<0.030	NA	NA	<0.030	13 or SB	*
Lead, Pb	0.5	NA	NA	<0.030	NA	NA	<0.030	SB	0.025
Antimony, Sb	1.0	NA	NA	<0.050	NA	NA	<0.050	SB	**.003
Selenium, Se	1.0	NA	NA	<0.025	NA	NA	<0.025	2 or SB	0.01
Thallium, Tl	0.5	NA	NA	<0.020	NA	NA	<0.020	SB	**.004
Vanadium, V	0.5	NA	NA	0.188	NA	NA	0.198	150 or SB	*
Zinc, Zn	0.5	NA	NA	0.053	NA	NA	0.122	20 or SB	0.3
Mercury, Hg	0.05	NA	NA	<0.002	NA	NA	<0.002	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

B = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	Class GA Ambient
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Water Qual.
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Standards
Units:		mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/L
TAL METALS									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	<0.5	<0.5	<0.030	<0.5	<0.5	<0.030	SB	0.05
Aluminum, Al	1.0	3,000	3,028	1,128	5,445	1,864	172	SB	*
Arsenic, As	1.0	<1.0	<1.0	<0.025	<1.0	<1.0	<0.025	7.5 or SB	0.025
Barium, Ba	0.5	51.3	23.3	8.25	54.6	5.22	11.4	300 or SB	1
Beryllium, Be	0.5	<0.5	<0.5	<0.030	<0.5	<0.5	<0.030	0.16 or SB	**0.003
Calcium, Ca	1.0	3,950	1,196	296	72,765	8,371	1,163	SB	*
Cadmium, Cd	0.5	<0.5	<0.5	<0.030	0.554	<0.5	<0.030	1 or SB	0.01
Cobalt, Co	0.5	0.999	1.53	0.429	<0.5	<0.5	<0.050	30 or SB	*
Chromium, Cr	0.5	6.49	7.15	3.09	4.04	<0.5	0.465	10 or SB	0.05
Copper, Cu	0.5	25.7	14.5	7.05	14.1	1.68	3.61	25 or SB	0.2
Iron, Fe	0.5	9,360	9,875	3,650	7,128	5,874	727	2,000 or SB	0.3
Potassium, K	3.0	342	512	187	14,929	12.3	22.5	SB	*
Magnesium, Mg	1.0	1,056	1,649	558	20,939	1,156	171	SB	**35
Manganese, Mn	0.5	132	289	109	83.4	1.76	7.61	SB	0.3
Sodium, Na	1.0	97.5	84.4	20.6	350	13.8	110	SB	20
Nickel, Ni	0.5	7.43	7.55	3.06	4.89	<0.5	0.633	13 or SB	*
Lead, Pb	0.5	56.0	10.3	2.39	122	12.3	23.6	SB	0.025
Antimony, Sb	1.0	<1.0	<1.0	<0.050	<1.0	<1.0	<0.050	SB	**.003
Selenium, Se	1.0	<1.0	<1.0	<0.025	<1.0	<1.0	<0.005	2 or SB	0.01
Thallium, Tl	0.5	<0.5	<0.5	<0.020	<0.5	<0.5	<0.020	SB	**.004
Vanadium, V	0.5	13.9	12.1	3.41	43.9	<0.5	0.897	150 or SB	*
Zinc, Zn	0.5	60.3	41.4	11.8	164	2.72	9.62	20 or SB	0.3
Mercury, Hg	0.05	0.200	0.101	0.002	0.330	0.157	0.003	0.1	0.002

*No Standard or Guidance Value given ** Guidance SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	Class GA Ambient
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Water Qual.
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Standards
Units:		mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/L
TAL METALS (DISSOLVED)									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	NA	NA	<0.030	NA	NA	<0.030	SB	0.05
Aluminum, Al	1.0	NA	NA	0.870	NA	NA	1.60	SB	*
Arsenic, As	1.0	NA	NA	<0.025	NA	NA	<0.025	7.5 or SB	0.025
Barium, Ba	0.5	NA	NA	0.054	NA	NA	<0.030	300 or SB	1
Beryllium, Be	0.5	NA	NA	<0.030	NA	NA	<0.030	0.16 or SB	**0.003
Calcium, Ca	1.0	NA	NA	127	NA	NA	313	SB	*
Cadmium, Cd	0.5	NA	NA	<0.030	NA	NA	<0.030	1 or SB	0.01
Cobalt, Co	0.5	NA	NA	<0.050	NA	NA	<0.050	30 or SB	*
Chromium, Cr	0.5	NA	NA	<0.030	NA	NA	<0.030	10 or SB	0.05
Copper, Cu	0.5	NA	NA	<0.030	NA	NA	<0.030	25 or SB	0.2
Iron, Fe	0.5	NA	NA	0.626	NA	NA	<0.030	2,000 or SB	0.3
Potassium, K	3.0	NA	NA	2.73	NA	NA	13.3	SB	*
Magnesium, Mg	1.0	NA	NA	18.8	NA	NA	55.1	SB	**35
Manganese, Mn	0.5	NA	NA	6.32	NA	NA	0.350	SB	0.3
Sodium, Na	1.0	NA	NA	14.3	NA	NA	96.8	SB	20
Nickel, Ni	0.5	NA	NA	<0.030	NA	NA	<0.030	13 or SB	*
Lead, Pb	0.5	NA	NA	<0.030	NA	NA	<0.030	SB	0.025
Antimony, Sb	1.0	NA	NA	<0.050	NA	NA	<0.050	SB	**.003
Selenium, Se	1.0	NA	NA	<0.025	NA	NA	<0.025	2 or SB	0.01
Thallium, Tl	0.5	NA	NA	<0.020	NA	NA	<0.020	SB	**.004
Vanadium, V	0.5	NA	NA	0.066	NA	NA	0.173	150 or SB	*
Zinc, Zn	0.5	NA	NA	0.032	NA	NA	<0.030	20 or SB	0.3
Mercury, Hg	0.05	NA	NA	<0.002	NA	NA	<0.002	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

Invoice #: 206701
Date: 08/28/01
PO #: Verbal-LB
Lab ID #: 0020174-0020185

Bill To:

AKRF Inc.
117 East 29th Street
New York, N.Y. 10016

Re: Greenpoint Lumber Yard – Project No.: 30260-0005

Item	Qty.	Description	Unit	Extended
1.	12	SW-846 8260	$100.00	$1,200.00
2.	12	SW-846 8270	$180.00	$2,160.00
3.	2	Pesticides	$95.00	$190.00
4.	2	PCBs	$65.00	$130.00
5.	13	TAL Metals	$120.00	$1,560.00

This Amount Due Upon Receipt: $5,240.00
To American Analytical Laboratories, Inc.

Interest charge 1.5% per month – 15 days after date of invoice

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

August 28, 2001

Mimi Sotiriou
AKRF Inc.
117 East 29th Street
New York, N.Y. 10016

Re: Greenpoint Lumber Yard – Project No.: 30260-0005

Dear Mr. Sotiriou;

Enclosed please find the Laboratory Analysis Report for samples received on August 17, 2001. American Analytical Laboratories analyzed the samples through August 28, 2001 for the following;

SAMPLE ID	ANALYSIS
B1 [1-2]	SW-846 8260, SW-846 8270, TAL Metals
B1 [4-5]	SW-846 8260, SW-846 8270, TAL Metals
B2 [0-1]	SW-846 8260, SW-846 8270, Pesticides, PCBs, TAL Metals
B4 [2-4]	SW-846 8260, SW-846 8270, TAL Metals
B4 [6-8]	SW-846 8260, SW-846 8270, TAL Metals
B5 [2-4]	SW-846 8260, SW-846 8270, Pesticides, PCBs, TAL Metals
B5 [5-7]	SW-846 8260, SW-846 8270, TAL Metals
MW-1 [5-6]	SW-846 8260, SW-846 8270, TAL Metals
MW-1 [8-9]	SW-846 8260, SW-846 8270, TAL Metals
MW-1	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved
MW-2 [5-7]	SW-846 8260, SW-846 8270, TAL Metals
MW-2 [9-11]	SW-846 8260, SW-846 8270, TAL Metals

This report consists of 65 pages of analytical results

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard -- Project No.: 30260-0005 (B1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	290
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	280
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	110
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	130
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	170
Anthracene	120-12-7	45
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	230
Benzidine	92-87-5	<40
Pyrene	129-00-0	290
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	140
Chrysene	218-01-9	160
Bis(2-ethylhexyl)Phthalate	117-81-7	730
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	270
Benzo(k)fluoranthene	207-08-9	280
Benzo(a)pyrene	50-32-8	170
Indeno(1,2,3-c,d)pyrene	193-39-5	<40
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	170

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	7,584
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	35.5
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	6,960
Cadmium, Cd	0.5	0.058
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	11.1
Copper, Cu	0.5	16.5
Iron, Fe	0.5	14,880
Potassium, K	3.0	474
Magnesium, Mg	1.0	1,896
Manganese, Mn	0.5	190
Sodium, Na	1.0	189
Nickel, Ni	0.5	9.08
Lead, Pb	0.5	32.4
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	17.7
Zinc, Zn	0.5	25.7
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	110
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	95
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	160
Anthracene	120-12-7	<40
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	150
Benzidine	92-87-5	<40
Pyrene	129-00-0	220
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	110
Chrysene	218-01-9	140
Bis(2-ethylhexyl)Phthalate	117-81-7	840
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	260
Benzo(k)fluoranthene	207-08-9	270
Benzo(a)pyrene	50-32-8	150
Indeno(1,2,3-c,d)pyrene	193-39-5	96
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	100

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56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	6,432
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	44.5
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	6,144
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	11.7
Copper, Cu	0.5	18.2
Iron, Fe	0.5	16,464
Potassium, K	3.0	507
Magnesium, Mg	1.0	3,638
Manganese, Mn	0.5	311
Sodium, Na	1.0	151
Nickel, Ni	0.5	9.79
Lead, Pb	0.5	31.1
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	23.4
Zinc, Zn	0.5	47.4
Mercury, Hg	0.05	0.140

Method: SW-846 6010/7000 Series

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

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56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	100
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	150
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	240
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	320
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	3,900
Anthracene	120-12-7	980
Carbazole	86-74-8	210
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	5,600
Benzidine	92-87-5	<40
Pyrene	129-00-0	7,800
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	4,000
Chrysene	218-01-9	4,400
Bis(2-ethylhexyl)Phthalate	117-81-7	440
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	6,000
Benzo(k)fluoranthene	207-08-9	6,400
Benzo(a)pyrene	50-32-8	3,800
Indeno(1,2,3-c,d)pyrene	193-39-5	540
Dibenzo(a,h)anthracene	53-70-3	1,100
Benzo(g,h,i)perylene	191-24-2	2,800

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-2 [0-1])
Date Received: 08/17/01	Laboratory ID:0020176
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PESTICIDES
SW-846 METHOD 8081

PARAMETER	CAS No.	RESULTS ug/kg
DBCP	96-12-8	<5
Hexachlorocyclopentadiene	77-47-4	<5
Hexachlorobenzene	118-74-1	<5
α-BHC	319-84-6	<5
γ-BHC(Lindane)	58-89-9	<5
β-BHC	319-85-7	<5
Heptachlor	76-44-8	<5
δ-BHC	319-86-8	<5
Aldrin	309-00-2	<5
Isodrin	465-73-6	<5
Heptachlor Epoxide	1024-57-3	<5
Endosulfan I	959-98-8	<5
4,4'-DDE	72-55-9	<5
Dieldrin	60-57-1	<5
Endrin	72-20-8	<5
Chlorobenzilate	510-15-6	<5
4,4'-DDD	72-54-8	<5
Endosulfan II	33213-65-9	<5
4,4'-DDT	50-29-3	6.4
Endrin Aldehyde	7421-93-4	<5
Endosulfan Sulfate	1031-07-8	<5
Methoxychlor	72-43-5	<5
Endrin Ketone	53494-70-5	<5
Chlordane	57-74-9	<5
Toxaphene	8001-35-2	<10

Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-2 [0-1])
Date Received: 08/17/01	Laboratory ID:0020176
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PCBs as AROCLORS
SW-846 METHOD 8082

PARAMETER	CAS No.	RESULTS ug/kg
Aroclor-1016	12674-11-2	<80
Aroclor-1221	11104-28-2	<80
Aroclor-1232	11141-16-5	<80
Aroclor-1242	53469-21-9	<80
Aroclor-1248	12672-29-6	<80
Aroclor-1254	11097-69-1	130
Aroclor-1260	11096-82-5	170

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	2,569
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	51.4
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	75,688
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	3.89
Copper, Cu	0.5	32.2
Iron, Fe	0.5	8,477
Potassium, K	3.0	<3.0
Magnesium, Mg	1.0	34,773
Manganese, Mn	0.5	134
Sodium, Na	1.0	209
Nickel, Ni	0.5	6.35
Lead, Pb	0.5	61.1
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	80.4
Zinc, Zn	0.5	66.4
Mercury, Hg	0.05	0.105

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	<40
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	640
Anthracene	120-12-7	130
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	1,500
Benzidine	92-87-5	<40
Pyrene	129-00-0	2,700
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	1,200
Chrysene	218-01-9	1,400
Bis(2-ethylhexyl)Phthalate	117-81-7	<40
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	1,800
Benzo(k)fluoranthene	207-08-9	1,900
Benzo(a)pyrene	50-32-8	1,300
Indeno(1,2,3-c,d)pyrene	193-39-5	1,100
Dibenzo(a,h)anthracene	53-70-3	100
Benzo(g,h,i)perylene	191-24-2	1,200

Lori Beyer
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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	3,783
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	68.4
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	3,905
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	0.608
Chromium, Cr	0.5	7.23
Copper, Cu	0.5	44.5
Iron, Fe	0.5	12,005
Potassium, K	3.0	384
Magnesium, Mg	1.0	1,019
Manganese, Mn	0.5	110
Sodium, Na	1.0	419
Nickel, Ni	0.5	16.9
Lead, Pb	0.5	380
Antimony, Sb	1.0	21.7
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	13.1
Zinc, Zn	0.5	75.6
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

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56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	<40
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	<40
Anthracene	120-12-7	<40
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	<40
Benzidine	92-87-5	<40
Pyrene	129-00-0	<40
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	<40
Chrysene	218-01-9	<40
Bis(2-ethylhexyl)Phthalate	117-81-7	220
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	<40
Benzo(k)fluoranthene	207-08-9	<40
Benzo(a)pyrene	50-32-8	<40
Indeno(1,2,3-c,d)pyrene	193-39-5	<40
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	751
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	11.3
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	2,750
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	1.68
Chromium, Cr	0.5	2.65
Copper, Cu	0.5	11.4
Iron, Fe	0.5	3,344
Potassium, K	3.0	117
Magnesium, Mg	1.0	1,121
Manganese, Mn	0.5	17.5
Sodium, Na	1.0	318
Nickel, Ni	0.5	6.04
Lead, Pb	0.5	8.54
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	4.91
Zinc, Zn	0.5	6.53
Mercury, Hg	0.05	0.107

Method: SW-846 6010/7000 Series

Lori Beyer
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AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	<40
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	120
Anthracene	120-12-7	<40
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	150
Benzidine	92-87-5	<40
Pyrene	129-00-0	200
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	87
Chrysene	218-01-9	110
Bis(2-ethylhexyl)Phthalate	117-81-7	2,400
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	120
Benzo(k)fluoranthene	207-08-9	130
Benzo(a)pyrene	50-32-8	92
Indeno(1,2,3-c,d)pyrene	193-39-5	69
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	94

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-5 [2-4])
Date Received: 08/17/01	Laboratory ID:0020179
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PESTICIDES
SW-846 METHOD 8081

PARAMETER	CAS No.	RESULTS ug/kg
DBCP	96-12-8	<5
Hexachlorocyclopentadiene	77-47-4	<5
Hexachlorobenzene	118-74-1	<5
α-BHC	319-84-6	<5
γ-BHC(Lindane)	58-89-9	<5
β-BHC	319-85-7	<5
Heptachlor	76-44-8	<5
δ-BHC	319-86-8	<5
Aldrin	309-00-2	<5
Isodrin	465-73-6	<5
Heptachlor Epoxide	1024-57-3	<5
Endosulfan I	959-98-8	<5
4,4'-DDE	72-55-9	<5
Dieldrin	60-57-1	<5
Endrin	72-20-8	<5
Chlorobenzilate	510-15-6	<5
4,4'-DDD	72-54-8	<5
Endosulfan II	33213-65-9	<5
4,4'-DDT	50-29-3	<5
Endrin Aldehyde	7421-93-4	<5
Endosulfan Sulfate	1031-07-8	<5
Methoxychlor	72-43-5	<5
Endrin Ketone	53494-70-5	<5
Chlordane	57-74-9	<5
Toxaphene	8001-35-2	<10

Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-5 [2-4])
Date Received: 08/17/01	Laboratory ID:0020179
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PCBs as AROCLORS
SW-846 METHOD 8082

PARAMETER	CAS No.	RESULTS ug/kg
Aroclor-1016	12674-11-2	<80
Aroclor-1221	11104-28-2	<80
Aroclor-1232	11141-16-5	<80
Aroclor-1242	53469-21-9	<80
Aroclor-1248	12672-29-6	<80
Aroclor-1254	11097-69-1	<80
Aroclor-1260	11096-82-5	<80

Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	3,481
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	127
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	14,069
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	4.27
Copper, Cu	0.5	5.30
Iron, Fe	0.5	5,655
Potassium, K	3.0	<3.0
Magnesium, Mg	1.0	2,637
Manganese, Mn	0.5	61.4
Sodium, Na	1.0	136
Nickel, Ni	0.5	4.15
Lead, Pb	0.5	291
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	9.28
Zinc, Zn	0.5	129
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Lori Beyer
Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
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AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	200
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	28
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	53
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	47
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	61
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	570
Anthracene	120-12-7	130
Carbazole	86-74-8	60
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	490
Benzidine	92-87-5	<40
Pyrene	129-00-0	460
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	220
Chrysene	218-01-9	220
Bis(2-ethylhexyl)Phthalate	117-81-7	2,500
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	300
Benzo(k)fluoranthene	207-08-9	310
Benzo(a)pyrene	50-32-8	220
Indeno(1,2,3-c,d)pyrene	193-39-5	150
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	170

Lori Beyer
Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	8,197
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	33.0
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	1,237
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	9.66
Copper, Cu	0.5	16.2
Iron, Fe	0.5	14,793
Potassium, K	3.0	357
Magnesium, Mg	1.0	2,561
Manganese, Mn	0.5	170
Sodium, Na	1.0	74.7
Nickel, Ni	0.5	9.22
Lead, Pb	0.5	12.5
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	14.2
Zinc, Zn	0.5	31.8
Mercury, Hg	0.05	0.103

Method: SW-846 6010/7000 Series

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	780
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

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56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	8
m+p Xylene	108-38-3/106-42-3	14
o-Xylene	95-47-6	8
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	8
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	30
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	230
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	<40
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	<40
Anthracene	120-12-7	<40
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	<40
Benzidine	92-87-5	<40
Pyrene	129-00-0	<40
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	<40
Chrysene	218-01-9	<40
Bis(2-ethylhexyl)Phthalate	117-81-7	2,200
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	<40
Benzo(k)fluoranthene	207-08-9	<40
Benzo(a)pyrene	50-32-8	<40
Indeno(1,2,3-c,d)pyrene	193-39-5	<40
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	<40

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	2,904
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	16.0
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	1,545
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	0.528
Chromium, Cr	0.5	6.76
Copper, Cu	0.5	7.67
Iron, Fe	0.5	7,304
Potassium, K	3.0	306
Magnesium, Mg	1.0	2,209
Manganese, Mn	0.5	66.2
Sodium, Na	1.0	140
Nickel, Ni	0.5	6.76
Lead, Pb	0.5	3.57
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	10.6
Zinc, Zn	0.5	13.2
Mercury, Hg	0.05	0.114

Method: SW-846 6010/7000 Series

Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	96
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

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Laboratory Director

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56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<40
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	110
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	88
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	100
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	46
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	100
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	800
Anthracene	120-12-7	190
Carbazole	86-74-8	91
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	690
Benzidine	92-87-5	<40
Pyrene	129-00-0	780
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	360
Chrysene	218-01-9	380
Bis(2-ethylhexyl)Phthalate	117-81-7	1,600
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	510
Benzo(k)fluoranthene	207-08-9	540
Benzo(a)pyrene	50-32-8	310
Indeno(1,2,3-c,d)pyrene	193-39-5	240
Dibenzo(a,h)anthracene	53-70-3	86
Benzo(g,h,i)perylene	191-24-2	230

Ken Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	0.633
Aluminum, Al	1.0	5,040
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	48.6
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	4,282
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	8.04
Copper, Cu	0.5	14.1
Iron, Fe	0.5	9,456
Potassium, K	3.0	396
Magnesium, Mg	1.0	1,747
Manganese, Mn	0.5	100
Sodium, Na	1.0	172
Nickel, Ni	0.5	8.00
Lead, Pb	0.5	75.4
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	13.2
Zinc, Zn	0.5	37.8
Mercury, Hg	0.05	0.338

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/20/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Lou Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/20/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Lou Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: 08/22/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	18
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: 08/22/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3´-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	195
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	2.18
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	168
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	0.906
Copper, Cu	0.030	0.858
Iron, Fe	0.030	765
Potassium, K	0.400	29.9
Magnesium, Mg	0.030	124
Manganese, Mn	0.030	22.4
Sodium, Na	0.050	231
Nickel, Ni	0.030	0.516
Lead, Pb	0.030	0.355
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.812
Zinc, Zn	0.030	3.47
Mercury, Hg	0.002	0.0035

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	1.52
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	0.126
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	88.8
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	1.25
Potassium, K	0.400	11.3
Magnesium, Mg	0.030	43.2
Manganese, Mn	0.030	2.53
Sodium, Na	0.050	311
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.163
Zinc, Zn	0.030	<0.030
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	130
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: 08/22/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	220
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	590
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	170
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: 08/22/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	270
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	210
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	500
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	3,200
Anthracene	120-12-7	750
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	4,900
Benzidine	92-87-5	<40
Pyrene	129-00-0	4,500
Butyl benzyl Phthalate	85-68-7	<40
3,3′-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	2,100
Chrysene	218-01-9	2,800
Bis(2-ethylhexyl)Phthalate	117-81-7	910
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	3,200
Benzo(k)fluoranthene	207-08-9	3,400
Benzo(a)pyrene	50-32-8	1,800
Indeno(1,2,3-c,d)pyrene	193-39-5	1,100
Dibenzo(a,h)anthracene	53-70-3	520
Benzo(g,h,i)perylene	191-24-2	1,300

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	4,525
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	108
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	4,131
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	0.597
Chromium, Cr	0.5	25.7
Copper, Cu	0.5	116
Iron, Fe	0.5	13,123
Potassium, K	3.0	1,549
Magnesium, Mg	1.0	3,534
Manganese, Mn	0.5	71.3
Sodium, Na	1.0	153
Nickel, Ni	0.5	20.8
Lead, Pb	0.5	77.8
Antimony, Sb	1.0	3.60
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	28.8
Zinc, Zn	0.5	127
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	120
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: 08/22/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	74
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	56
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	68
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: 08/22/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	140
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	98
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	190
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	1,200
Anthracene	120-12-7	370
Carbazole	86-74-8	110
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	1,300
Benzidine	92-87-5	<40
Pyrene	129-00-0	1,200
Butyl benzyl Phthalate	85-68-7	<40
3,3'-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	910
Chrysene	218-01-9	940
Bis(2-ethylhexyl)Phthalate	117-81-7	660
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	1,400
Benzo(k)fluoranthene	207-08-9	1,500
Benzo(a)pyrene	50-32-8	840
Indeno(1,2,3-c,d)pyrene	193-39-5	83
Dibenzo(a,h)anthracene	53-70-3	190
Benzo(g,h,i)perylene	191-24-2	440

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: 08/24/01-08/28/01	Matrix: Soil
Date Analyzed: 08/24/01-08/28/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	6,270
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	87.2
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	15,485
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	7.35
Copper, Cu	0.5	40.6
Iron, Fe	0.5	13,348
Potassium, K	3.0	2,052
Magnesium, Mg	1.0	2,617
Manganese, Mn	0.5	219
Sodium, Na	1.0	160
Nickel, Ni	0.5	7.30
Lead, Pb	0.5	329
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	14.1
Zinc, Zn	0.5	47.5
Mercury, Hg	0.05	0.094

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
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AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: AAL20000@aol.com

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: Mimi Sotiriou, AKRF, Inc.
CONTACT: (212) 340-9779, (917) 612-7877
SAMPLER (SIGNATURE): Mimi Sotiriou
DATE: 8/16/01 TIME: 6pm
SAMPLE(S) SEALED: YES / NO
SAMPLER NAME (PRINT): Mimi Sotiriou
CORRECT CONTAINER(S): YES / NO
PROJECT LOCATION: Greenpoint Lumber Yard 30260-0005

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260	8270	TAL Metals	Rest 8082	PCB 8081	P.O.# 30260-0005
0020174	S	G		B1 (1-2)	X	X	X			
0020175	S			B1 (4-5)						
0020176	S			B2 (0-1)				X	X	
0020177	S			B4 (2-4)						
0020178	S			B4 (6-8)						
0020179	S			B5 (2-4)				X	X	
0020180	S			B5 (5-7)						
0020181	S			MW-1 (5-6)						
0020182	S			MW-1 (8-9)						
0020183	L			MW-1			F/UF			
0020184	S			MW-2 (5-7)						
0020185	S			MW-2 (9-11)						

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A=AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS: Both Filtered + UnFiltered Metals in GW Sample MW-1

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
Mimi Sotiriou	8/16 5pm	Mimi Sotiriou	[illegible]	8/17/01 3:00	[illegible]
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

Invoice #: 206801
Date: 08/28/01
PO #: Verbal-LB
Lab ID #: 0020196-0020207

Bill To:

AKRF Inc.
117 East 29th Street
New York, N.Y. 10016

Re: Greenpoint Lumber Yard – Project No.: 30260-0005

Item	Qty.	Description	Unit	Extended
1.	12	SW-846 8260	$100.00	$1,200.00
2.	12	SW-846 8270	$180.00	$2,160.00
3.	2	Pesticides	$95.00	$190.00
4.	2	PCBs	$65.00	$130.00
5.	16	TAL Metals	$120.00	$1,920.00

This Amount Due Upon Receipt: $5,600.00
To American Analytical Laboratories, Inc.

Interest charge 1.5% per month – 15 days after date of invoice

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(631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

August 28, 2001

Mimi Sotiriou
AKRF Inc.
117 East 29th Street
New York, N.Y. 10016

Re: Greenpoint Lumber Yard – Project No.: 30260-0005

Dear Ms. Sotiriou;

Enclosed please find the Laboratory Analysis Report for samples received on August 17, 2001. American Analytical Laboratories analyzed the samples through August 28, 2001 for the following;

SAMPLE ID	ANALYSIS
B-3 [1-3]	SW-846 8260, SW-846 8270, TAL Metals
B-3 [8-10]	SW-846 8260, SW-846 8270, TAL Metals
MW-2	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved
MW-3 [0-2]	SW-846 8260, SW-846 8270, Pesticides, PCBs, TAL Metals
MW-3 [5-7]	SW-846 8260, SW-846 8270, TAL Metals
MW-3	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved
MW-4 [0-2]	SW-846 8260, SW-846 8270, TAL Metals
MW-4 [13-15]	SW-846 8260, SW-846 8270, TAL Metals
MW-4	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved
MW-5 [0-2]	SW-846 8260, SW-846 8270, Pesticides, PCBs, TAL Metals
MW-5 [4-6]	SW-846 8260, SW-846 8270, TAL Metals
MW-5	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved

This report consists of 72 pages of analytical results

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lou Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<80
N-Nitrosodimethylamine	62-75-9	<80
Aniline	62-53-3	<80
Bis(2-chloroethyl)ether	111-44-4	<80
Phenol	108-95-1	<80
2-Chlorophenol	95-57-8	<80
1,3-Dichlorobenzene	541-73-1	<80
1,4-Dichlorobenzene	106-46-7	<80
1,2-Dichlorobenzene	95-50-1	<80
Benzyl Alcohol	100-51-6	<80
Bis(2-chloroisopropyl)ether	108-60-1	<80
2-Methylphenol	95-48-7	<80
Hexachloroethane	67-72-1	<80
N-Nitrosodi-n-propylamine	621-64-7	<80
3+4-Methylphenol	108-39-4 / 106-44-5	<80
Nitrobenzene	98-95-3	<80
Isophorone	78-59-1	<80
2- Nitrophenol	88-75-5	<80
2,4-Dimethylphenol	105-67-9	<80
Benzoic Acid	65-85-0	<140
Bis(2-chloroethoxy)methane	111-91-1	<80
2,4-Dichlorophenol	102-83-2	<80
1,2,4-Trichlorobenzene	120-82-1	<80
Naphthalene	91-20-3	460
4-Chloroaniline	106-47-8	<80
Hexachlorobutadiene	87-68-3	<80
4-Chloro-3-methylphenol	59-50-7	<80
2-Methylnaphthalene	91-57-6	1,200
Hexachlorocyclopentadiene	77-47-4	<80
2,4,5-Trichlorophenol	95-95-4	<80
2,4,6-Trichlorophenol	88-06-2	<80
2-Chloronaphthalene	91-58-7	<80
2-Nitroaniline	88-74-4	<80
Acenaphthylene	208-96-8	120
Dimethyl Phthalate	131-11-3	<80

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<80
Acenaphthene	83-32-9	80
3-Nitroaniline	99-09-2	<80
2,4-Dinitrophenol	51-28-5	<140
Dibenzofuran	132-64-9	170
2,4-Dinitrotoluene	121-14-2	<80
4-Nitrophenol	100-02-7	<100
Fluorene	86-73-7	280
4-Chlorophenyl phenyl ether	7005-72-3	<80
Azobenzene	103-33-3	<80
Diethyl Phthalate	84-66-2	<80
4-Nitroaniline	100-01-6	<100
4,6-Dinitro-2-methylphenol	534-52-1	<80
N-Nitrosodiphenylamine	86-30-6	<80
4-Bromophenyl phenyl ether	101-55-3	<80
Hexachlorobenzene	118-74-1	<80
Pentachlorophenol	87-86-5	<120
Phenanthrene	85-01-8	1,400
Anthracene	120-12-7	260
Carbazole	86-74-8	90
Di-n-butyl Phthalate	84-74-2	110
Fluoranthene	206-44-0	1,100
Benzidine	92-87-5	<80
Pyrene	129-00-0	990
Butyl benzyl Phthalate	85-68-7	<80
3,3´-Dichlorobenzidine	91-94-1	<80
Benzo(a)anthracene	56-55-3	570
Chrysene	218-01-9	740
Bis(2-ethylhexyl)Phthalate	117-81-7	110
Di-n-octyl Phthalate	117-84-0	<80
Benzo(b)fluoranthene	205-99-2	520
Benzo(k)fluoranthene	207-08-9	360
Benzo(a)pyrene	50-32-8	500
Indeno(1,2,3-c,d)pyrene	193-39-5	310
Dibenzo(a,h)anthracene	53-70-3	110
Benzo(g,h,i)perylene	191-24-2	340

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	0.845
Aluminum, Al	1.0	2,981
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	103
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	3,043
Cadmium, Cd	0.5	2.05
Cobalt, Co	0.5	2.52
Chromium, Cr	0.5	5.95
Copper, Cu	0.5	72.8
Iron, Fe	0.5	15,216
Potassium, K	3.0	647
Magnesium, Mg	1.0	1,906
Manganese, Mn	0.5	246
Sodium, Na	1.0	146
Nickel, Ni	0.5	22.3
Lead, Pb	0.5	191
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	9.56
Zinc, Zn	0.5	321
Mercury, Hg	0.05	0.119

Method: SW-846 6010/7000 Series

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lou Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard -- Project No.: 30260-0005 (B-3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<80
N-Nitrosodimethylamine	62-75-9	<80
Aniline	62-53-3	<80
Bis(2-chloroethyl)ether	111-44-4	<80
Phenol	108-95-1	<80
2-Chlorophenol	95-57-8	<80
1,3-Dichlorobenzene	541-73-1	<80
1,4-Dichlorobenzene	106-46-7	<80
1,2-Dichlorobenzene	95-50-1	<80
Benzyl Alcohol	100-51-6	<80
Bis(2-chloroisopropyl)ether	108-60-1	<80
2-Methylphenol	95-48-7	<80
Hexachloroethane	67-72-1	<80
N-Nitrosodi-n-propylamine	621-64-7	<80
3+4-Methylphenol	108-39-4 / 106-44-5	<80
Nitrobenzene	98-95-3	<80
Isophorone	78-59-1	<80
2- Nitrophenol	88-75-5	<80
2,4-Dimethylphenol	105-67-9	<80
Benzoic Acid	65-85-0	<140
Bis(2-chloroethoxy)methane	111-91-1	<80
2,4-Dichlorophenol	102-83-2	<80
1,2,4-Trichlorobenzene	120-82-1	<80
Naphthalene	91-20-3	87
4-Chloroaniline	106-47-8	<80
Hexachlorobutadiene	87-68-3	<80
4-Chloro-3-methylphenol	59-50-7	<80
2-Methylnaphthalene	91-57-6	<80
Hexachlorocyclopentadiene	77-47-4	<80
2,4,5-Trichlorophenol	95-95-4	<80
2,4,6-Trichlorophenol	88-06-2	<80
2-Chloronaphthalene	91-58-7	<80
2-Nitroaniline	88-74-4	<80
Acenaphthylene	208-96-8	<80
Dimethyl Phthalate	131-11-3	<80

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<80
Acenaphthene	83-32-9	170
3-Nitroaniline	99-09-2	<80
2,4-Dinitrophenol	51-28-5	<140
Dibenzofuran	132-64-9	95
2,4-Dinitrotoluene	121-14-2	<80
4-Nitrophenol	100-02-7	<100
Fluorene	86-73-7	140
4-Chlorophenyl phenyl ether	7005-72-3	<80
Azobenzene	103-33-3	<80
Diethyl Phthalate	84-66-2	<80
4-Nitroaniline	100-01-6	<100
4,6-Dinitro-2-methylphenol	534-52-1	<80
N-Nitrosodiphenylamine	86-30-6	<80
4-Bromophenyl phenyl ether	101-55-3	<80
Hexachlorobenzene	118-74-1	<80
Pentachlorophenol	87-86-5	<120
Phenanthrene	85-01-8	1,500
Anthracene	120-12-7	380
Carbazole	86-74-8	110
Di-n-butyl Phthalate	84-74-2	<80
Fluoranthene	206-44-0	2,100
Benzidine	92-87-5	<80
Pyrene	129-00-0	2,100
Butyl benzyl Phthalate	85-68-7	<80
3,3´-Dichlorobenzidine	91-94-1	<80
Benzo(a)anthracene	56-55-3	970
Chrysene	218-01-9	1,000
Bis(2-ethylhexyl)Phthalate	117-81-7	460
Di-n-octyl Phthalate	117-84-0	<80
Benzo(b)fluoranthene	205-99-2	940
Benzo(k)fluoranthene	207-08-9	670
Benzo(a)pyrene	50-32-8	950
Indeno(1,2,3-c,d)pyrene	193-39-5	550
Dibenzo(a,h)anthracene	53-70-3	150
Benzo(g,h,i)perylene	191-24-2	620

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	10,192
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	73.5
Beryllium, Be	0.5	0.598
Calcium, Ca	1.0	24,871
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	9.05
Copper, Cu	0.5	53.3
Iron, Fe	0.5	9,771
Potassium, K	3.0	3,796
Magnesium, Mg	1.0	4,558
Manganese, Mn	0.5	93.7
Sodium, Na	1.0	438
Nickel, Ni	0.5	8.79
Lead, Pb	0.5	150
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	19.8
Zinc, Zn	0.5	39.2
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	<5
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3´-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	134
Aluminum, Al	0.050	98.2
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	2.74
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	1,513
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	0.348
Chromium, Cr	0.030	0.517
Copper, Cu	0.030	3.05
Iron, Fe	0.030	643
Potassium, K	0.400	36.8
Magnesium, Mg	0.030	113
Manganese, Mn	0.030	10.4
Sodium, Na	0.050	95.2
Nickel, Ni	0.030	1.10
Lead, Pb	0.030	5.83
Antimony, Sb	0.050	0.076
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.812
Zinc, Zn	0.030	6.86
Mercury, Hg	0.002	0.011

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	1.38
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	0.048
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	346
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	0.309
Potassium, K	0.400	19.4
Magnesium, Mg	0.030	59.6
Manganese, Mn	0.030	1.37
Sodium, Na	0.050	85.1
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.188
Zinc, Zn	0.030	0.053
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Bayer
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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<80
N-Nitrosodimethylamine	62-75-9	<80
Aniline	62-53-3	<80
Bis(2-chloroethyl)ether	111-44-4	<80
Phenol	108-95-1	<80
2-Chlorophenol	95-57-8	<80
1,3-Dichlorobenzene	541-73-1	<80
1,4-Dichlorobenzene	106-46-7	<80
1,2-Dichlorobenzene	95-50-1	<80
Benzyl Alcohol	100-51-6	<80
Bis(2-chloroisopropyl)ether	108-60-1	<80
2-Methylphenol	95-48-7	<80
Hexachloroethane	67-72-1	<80
N-Nitrosodi-n-propylamine	621-64-7	<80
3+4-Methylphenol	108-39-4 / 106-44-5	<80
Nitrobenzene	98-95-3	<80
Isophorone	78-59-1	<80
2- Nitrophenol	88-75-5	<80
2,4-Dimethylphenol	105-67-9	<80
Benzoic Acid	65-85-0	190
Bis(2-chloroethoxy)methane	111-91-1	<80
2,4-Dichlorophenol	102-83-2	<80
1,2,4-Trichlorobenzene	120-82-1	<80
Naphthalene	91-20-3	<80
4-Chloroaniline	106-47-8	<80
Hexachlorobutadiene	87-68-3	<80
4-Chloro-3-methylphenol	59-50-7	<80
2-Methylnaphthalene	91-57-6	<80
Hexachlorocyclopentadiene	77-47-4	<80
2,4,5-Trichlorophenol	95-95-4	<80
2,4,6-Trichlorophenol	88-06-2	<80
2-Chloronaphthalene	91-58-7	<80
2-Nitroaniline	88-74-4	<80
Acenaphthylene	208-96-8	170
Dimethyl Phthalate	131-11-3	<80

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<80
Acenaphthene	83-32-9	200
3-Nitroaniline	99-09-2	<80
2,4-Dinitrophenol	51-28-5	<140
Dibenzofuran	132-64-9	98
2,4-Dinitrotoluene	121-14-2	<80
4-Nitrophenol	100-02-7	<100
Fluorene	86-73-7	250
4-Chlorophenyl phenyl ether	7005-72-3	<80
Azobenzene	103-33-3	<80
Diethyl Phthalate	84-66-2	<80
4-Nitroaniline	100-01-6	<100
4,6-Dinitro-2-methylphenol	534-52-1	<80
N-Nitrosodiphenylamine	86-30-6	<80
4-Bromophenyl phenyl ether	101-55-3	<80
Hexachlorobenzene	118-74-1	<80
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	2,800
Anthracene	120-12-7	670
Carbazole	86-74-8	300
Di-n-butyl Phthalate	84-74-2	<80
Fluoranthene	206-44-0	4,400
Benzidine	92-87-5	<80
Pyrene	129-00-0	3,900
Butyl benzyl Phthalate	85-68-7	<80
3,3´-Dichlorobenzidine	91-94-1	<80
Benzo(a)anthracene	56-55-3	2,000
Chrysene	218-01-9	2,200
Bis(2-ethylhexyl)Phthalate	117-81-7	100
Di-n-octyl Phthalate	117-84-0	<80
Benzo(b)fluoranthene	205-99-2	2,500
Benzo(k)fluoranthene	207-08-9	880
Benzo(a)pyrene	50-32-8	2,000
Indeno(1,2,3-c,d)pyrene	193-39-5	1,200
Dibenzo(a,h)anthracene	53-70-3	340
Benzo(g,h,i)perylene	191-24-2	1,300

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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID:0020199
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PESTICIDES
SW-846 METHOD 8081

PARAMETER	CAS No.	RESULTS ug/kg
DBCP	96-12-8	<5
Hexachlorocyclopentadiene	77-47-4	<5
Hexachlorobenzene	118-74-1	<5
α-BHC	319-84-6	<5
γ-BHC(Lindane)	58-89-9	<5
β-BHC	319-85-7	<5
Heptachlor	76-44-8	<5
δ-BHC	319-86-8	<5
Aldrin	309-00-2	<5
Isodrin	465-73-6	<5
Heptachlor Epoxide	1024-57-3	<5
Endosulfan I	959-98-8	<5
4,4'-DDE	72-55-9	<5
Dieldrin	60-57-1	<5
Endrin	72-20-8	<5
Chlorobenzilate	510-15-6	<5
4,4'-DDD	72-54-8	<5
Endosulfan II	33213-65-9	<5
4,4'-DDT	50-29-3	<5
Endrin Aldehyde	7421-93-4	<5
Endosulfan Sulfate	1031-07-8	<5
Methoxychlor	72-43-5	<5
Endrin Ketone	53494-70-5	<5
Chlordane	57-74-9	<5
Toxaphene	8001-35-2	<10

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56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard -- Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID:0020199
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PCBs as AROCLORS
SW-846 METHOD 8082

PARAMETER	CAS No.	RESULTS ug/kg
Aroclor-1016	12674-11-2	<80
Aroclor-1221	11104-28-2	<80
Aroclor-1232	11141-16-5	<80
Aroclor-1242	53469-21-9	<80
Aroclor-1248	12672-29-6	<80
Aroclor-1254	11097-69-1	<80
Aroclor-1260	11096-82-5	<80

Lou Beyer
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	17,314
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	429
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	24,325
Cadmium, Cd	0.5	0.667
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	19.2
Copper, Cu	0.5	67.5
Iron, Fe	0.5	27,360
Potassium, K	3.0	385
Magnesium, Mg	1.0	6,156
Manganese, Mn	0.5	255
Sodium, Na	1.0	83.6
Nickel, Ni	0.5	10.0
Lead, Pb	0.5	315
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	20.5
Zinc, Zn	0.5	395
Mercury, Hg	0.05	0.799

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lou Bayer
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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<320
N-Nitrosodimethylamine	62-75-9	<320
Aniline	62-53-3	<320
Bis(2-chloroethyl)ether	111-44-4	<320
Phenol	108-95-1	<320
2-Chlorophenol	95-57-8	<320
1,3-Dichlorobenzene	541-73-1	<320
1,4-Dichlorobenzene	106-46-7	<320
1,2-Dichlorobenzene	95-50-1	<320
Benzyl Alcohol	100-51-6	<320
Bis(2-chloroisopropyl)ether	108-60-1	<320
2-Methylphenol	95-48-7	<320
Hexachloroethane	67-72-1	<320
N-Nitrosodi-n-propylamine	621-64-7	<320
3+4-Methylphenol	108-39-4 / 106-44-5	<320
Nitrobenzene	98-95-3	<320
Isophorone	78-59-1	<320
2- Nitrophenol	88-75-5	<320
2,4-Dimethylphenol	105-67-9	<320
Benzoic Acid	65-85-0	<560
Bis(2-chloroethoxy)methane	111-91-1	<320
2,4-Dichlorophenol	102-83-2	<320
1,2,4-Trichlorobenzene	120-82-1	<320
Naphthalene	91-20-3	3,800
4-Chloroaniline	106-47-8	<320
Hexachlorobutadiene	87-68-3	<320
4-Chloro-3-methylphenol	59-50-7	<320
2-Methylnaphthalene	91-57-6	1,500
Hexachlorocyclopentadiene	77-47-4	<320
2,4,5-Trichlorophenol	95-95-4	<320
2,4,6-Trichlorophenol	88-06-2	<320
2-Chloronaphthalene	91-58-7	<320
2-Nitroaniline	88-74-4	<320
Acenaphthylene	208-96-8	620
Dimethyl Phthalate	131-11-3	<320

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<320
Acenaphthene	83-32-9	3,800
3-Nitroaniline	99-09-2	<320
2,4-Dinitrophenol	51-28-5	<560
Dibenzofuran	132-64-9	2,300
2,4-Dinitrotoluene	121-14-2	<320
4-Nitrophenol	100-02-7	<400
Fluorene	86-73-7	4,500
4-Chlorophenyl phenyl ether	7005-72-3	<320
Azobenzene	103-33-3	<320
Diethyl Phthalate	84-66-2	<320
4-Nitroaniline	100-01-6	<400
4,6-Dinitro-2-methylphenol	534-52-1	<320
N-Nitrosodiphenylamine	86-30-6	<320
4-Bromophenyl phenyl ether	101-55-3	<320
Hexachlorobenzene	118-74-1	<320
Pentachlorophenol	87-86-5	<240
Phenanthrene	85-01-8	31,000
Anthracene	120-12-7	7,600
Carbazole	86-74-8	3,300
Di-n-butyl Phthalate	84-74-2	<320
Fluoranthene	206-44-0	30,000
Benzidine	92-87-5	<320
Pyrene	129-00-0	24,000
Butyl benzyl Phthalate	85-68-7	<320
3,3´-Dichlorobenzidine	91-94-1	<320
Benzo(a)anthracene	56-55-3	12,000
Chrysene	218-01-9	11,000
Bis(2-ethylhexyl)Phthalate	117-81-7	660
Di-n-octyl Phthalate	117-84-0	<320
Benzo(b)fluoranthene	205-99-2	13,000
Benzo(k)fluoranthene	207-08-9	4,500
Benzo(a)pyrene	50-32-8	10,000
Indeno(1,2,3-c,d)pyrene	193-39-5	5,600
Dibenzo(a,h)anthracene	53-70-3	1,700
Benzo(g,h,i)perylene	191-24-2	5,200

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	8,150
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	119
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	1,695
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	14.9
Copper, Cu	0.5	57.6
Iron, Fe	0.5	17,950
Potassium, K	3.0	496
Magnesium, Mg	1.0	2,010
Manganese, Mn	0.5	262
Sodium, Na	1.0	101
Nickel, Ni	0.5	9.44
Lead, Pb	0.5	294
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	20.4
Zinc, Zn	0.5	220
Mercury, Hg	0.05	1.12

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	<5
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3′-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	41
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	1.13
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	92.7
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	0.086
Copper, Cu	0.030	1.63
Iron, Fe	0.030	81.5
Potassium, K	0.400	27.1
Magnesium, Mg	0.030	93.0
Manganese, Mn	0.030	1.82
Sodium, Na	0.050	445
Nickel, Ni	0.030	0.068
Lead, Pb	0.030	1.28
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.237
Zinc, Zn	0.030	2.11
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	0.605
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	0.063
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	70.3
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	0.196
Potassium, K	0.400	27.3
Magnesium, Mg	0.030	69.9
Manganese, Mn	0.030	0.517
Sodium, Na	0.050	474
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.198
Zinc, Zn	0.030	0.122
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<1600
N-Nitrosodimethylamine	62-75-9	<1600
Aniline	62-53-3	<1600
Bis(2-chloroethyl)ether	111-44-4	<1600
Phenol	108-95-1	<1600
2-Chlorophenol	95-57-8	<1600
1,3-Dichlorobenzene	541-73-1	<1600
1,4-Dichlorobenzene	106-46-7	<1600
1,2-Dichlorobenzene	95-50-1	<1600
Benzyl Alcohol	100-51-6	<1600
Bis(2-chloroisopropyl)ether	108-60-1	<1600
2-Methylphenol	95-48-7	<1600
Hexachloroethane	67-72-1	<1600
N-Nitrosodi-n-propylamine	621-64-7	<1600
3+4-Methylphenol	108-39-4 / 106-44-5	<1600
Nitrobenzene	98-95-3	<1600
Isophorone	78-59-1	<1600
2- Nitrophenol	88-75-5	<1600
2,4-Dimethylphenol	105-67-9	<1600
Benzoic Acid	65-85-0	<2800
Bis(2-chloroethoxy)methane	111-91-1	<1600
2,4-Dichlorophenol	102-83-2	<1600
1,2,4-Trichlorobenzene	120-82-1	<1600
Naphthalene	91-20-3	2,000
4-Chloroaniline	106-47-8	<1600
Hexachlorobutadiene	87-68-3	<1600
4-Chloro-3-methylphenol	59-50-7	<1600
2-Methylnaphthalene	91-57-6	1,600
Hexachlorocyclopentadiene	77-47-4	<1600
2,4,5-Trichlorophenol	95-95-4	<1600
2,4,6-Trichlorophenol	88-06-2	<1600
2-Chloronaphthalene	91-58-7	<1600
2-Nitroaniline	88-74-4	<1600
Acenaphthylene	208-96-8	<1600
Dimethyl Phthalate	131-11-3	<1600

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<1600
Acenaphthene	83-32-9	6,100
3-Nitroaniline	99-09-2	<1600
2,4-Dinitrophenol	51-28-5	<2800
Dibenzofuran	132-64-9	2,800
2,4-Dinitrotoluene	121-14-2	<1600
4-Nitrophenol	100-02-7	<2000
Fluorene	86-73-7	5,300
4-Chlorophenyl phenyl ether	7005-72-3	<1600
Azobenzene	103-33-3	<1600
Diethyl Phthalate	84-66-2	<1600
4-Nitroaniline	100-01-6	<2000
4,6-Dinitro-2-methylphenol	534-52-1	<1600
N-Nitrosodiphenylamine	86-30-6	<1600
4-Bromophenyl phenyl ether	101-55-3	<1600
Hexachlorobenzene	118-74-1	<1600
Pentachlorophenol	87-86-5	<2400
Phenanthrene	85-01-8	79,000
Anthracene	120-12-7	9,200
Carbazole	86-74-8	6,200
Di-n-butyl Phthalate	84-74-2	<1600
Fluoranthene	206-44-0	86,000
Benzidine	92-87-5	<1600
Pyrene	129-00-0	76,000
Butyl benzyl Phthalate	85-68-7	<1600
3,3´-Dichlorobenzidine	91-94-1	<1600
Benzo(a)anthracene	56-55-3	30,000
Chrysene	218-01-9	38,000
Bis(2-ethylhexyl)Phthalate	117-81-7	<1600
Di-n-octyl Phthalate	117-84-0	<1600
Benzo(b)fluoranthene	205-99-2	40,000
Benzo(k)fluoranthene	207-08-9	14,000
Benzo(a)pyrene	50-32-8	31,000
Indeno(1,2,3-c,d)pyrene	193-39-5	20,000
Dibenzo(a,h)anthracene	53-70-3	5,500
Benzo(g,h,i)perylene	191-24-2	22,000

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	3,000
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	51.3
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	3,950
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	0.999
Chromium, Cr	0.5	6.49
Copper, Cu	0.5	25.7
Iron, Fe	0.5	9,360
Potassium, K	3.0	342
Magnesium, Mg	1.0	1,056
Manganese, Mn	0.5	132
Sodium, Na	1.0	97.5
Nickel, Ni	0.5	7.43
Lead, Pb	0.5	56.0
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	13.9
Zinc, Zn	0.5	60.3
Mercury, Hg	0.05	0.200

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<80
N-Nitrosodimethylamine	62-75-9	<80
Aniline	62-53-3	<80
Bis(2-chloroethyl)ether	111-44-4	<80
Phenol	108-95-1	<80
2-Chlorophenol	95-57-8	<80
1,3-Dichlorobenzene	541-73-1	<80
1,4-Dichlorobenzene	106-46-7	<80
1,2-Dichlorobenzene	95-50-1	<80
Benzyl Alcohol	100-51-6	<80
Bis(2-chloroisopropyl)ether	108-60-1	<80
2-Methylphenol	95-48-7	<80
Hexachloroethane	67-72-1	<80
N-Nitrosodi-n-propylamine	621-64-7	<80
3+4-Methylphenol	108-39-4 / 106-44-5	<80
Nitrobenzene	98-95-3	<80
Isophorone	78-59-1	<80
2- Nitrophenol	88-75-5	<80
2,4-Dimethylphenol	105-67-9	<80
Benzoic Acid	65-85-0	170
Bis(2-chloroethoxy)methane	111-91-1	<80
2,4-Dichlorophenol	102-83-2	<80
1,2,4-Trichlorobenzene	120-82-1	<80
Naphthalene	91-20-3	150
4-Chloroaniline	106-47-8	<80
Hexachlorobutadiene	87-68-3	<80
4-Chloro-3-methylphenol	59-50-7	<80
2-Methylnaphthalene	91-57-6	120
Hexachlorocyclopentadiene	77-47-4	<80
2,4,5-Trichlorophenol	95-95-4	<80
2,4,6-Trichlorophenol	88-06-2	<80
2-Chloronaphthalene	91-58-7	<80
2-Nitroaniline	88-74-4	<80
Acenaphthylene	208-96-8	120
Dimethyl Phthalate	131-11-3	<80

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<80
Acenaphthene	83-32-9	360
3-Nitroaniline	99-09-2	<80
2,4-Dinitrophenol	51-28-5	<140
Dibenzofuran	132-64-9	220
2,4-Dinitrotoluene	121-14-2	<80
4-Nitrophenol	100-02-7	<100
Fluorene	86-73-7	380
4-Chlorophenyl phenyl ether	7005-72-3	<80
Azobenzene	103-33-3	<80
Diethyl Phthalate	84-66-2	<80
4-Nitroaniline	100-01-6	<100
4,6-Dinitro-2-methylphenol	534-52-1	<80
N-Nitrosodiphenylamine	86-30-6	<80
4-Bromophenyl phenyl ether	101-55-3	<80
Hexachlorobenzene	118-74-1	<80
Pentachlorophenol	87-86-5	<120
Phenanthrene	85-01-8	6,100
Anthracene	120-12-7	830
Carbazole	86-74-8	590
Di-n-butyl Phthalate	84-74-2	<80
Fluoranthene	206-44-0	7,100
Benzidine	92-87-5	<80
Pyrene	129-00-0	5,900
Butyl benzyl Phthalate	85-68-7	<80
3,3´-Dichlorobenzidine	91-94-1	<80
Benzo(a)anthracene	56-55-3	2,600
Chrysene	218-01-9	3,200
Bis(2-ethylhexyl)Phthalate	117-81-7	<80
Di-n-octyl Phthalate	117-84-0	<80
Benzo(b)fluoranthene	205-99-2	3,400
Benzo(k)fluoranthene	207-08-9	1,400
Benzo(a)pyrene	50-32-8	2,600
Indeno(1,2,3-c,d)pyrene	193-39-5	1,900
Dibenzo(a,h)anthracene	53-70-3	490
Benzo(g,h,i)perylene	191-24-2	2,000

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	3,028
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	23.3
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	1,196
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	1.53
Chromium, Cr	0.5	7.15
Copper, Cu	0.5	14.5
Iron, Fe	0.5	9,875
Potassium, K	3.0	512
Magnesium, Mg	1.0	1,649
Manganese, Mn	0.5	289
Sodium, Na	1.0	84.4
Nickel, Ni	0.5	7.55
Lead, Pb	0.5	10.3
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	12.1
Zinc, Zn	0.5	41.4
Mercury, Hg	0.05	0.101

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	<5
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3´-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	1,128
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	8.25
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	296
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	0.429
Chromium, Cr	0.030	3.09
Copper, Cu	0.030	7.05
Iron, Fe	0.030	3,650
Potassium, K	0.400	187
Magnesium, Mg	0.030	558
Manganese, Mn	0.030	109
Sodium, Na	0.050	20.6
Nickel, Ni	0.030	3.06
Lead, Pb	0.030	2.39
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	3.41
Zinc, Zn	0.030	11.8
Mercury, Hg	0.002	0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	0.870
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	0.054
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	127
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	0.626
Potassium, K	0.400	2.73
Magnesium, Mg	0.030	18.8
Manganese, Mn	0.030	6.32
Sodium, Na	0.050	14.3
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.066
Zinc, Zn	0.030	0.032
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<320
N-Nitrosodimethylamine	62-75-9	<320
Aniline	62-53-3	<320
Bis(2-chloroethyl)ether	111-44-4	<320
Phenol	108-95-1	<320
2-Chlorophenol	95-57-8	<320
1,3-Dichlorobenzene	541-73-1	<320
1,4-Dichlorobenzene	106-46-7	<320
1,2-Dichlorobenzene	95-50-1	<320
Benzyl Alcohol	100-51-6	<320
Bis(2-chloroisopropyl)ether	108-60-1	<320
2-Methylphenol	95-48-7	<320
Hexachloroethane	67-72-1	<320
N-Nitrosodi-n-propylamine	621-64-7	<320
3+4-Methylphenol	108-39-4 / 106-44-5	<320
Nitrobenzene	98-95-3	<320
Isophorone	78-59-1	<320
2- Nitrophenol	88-75-5	<320
2,4-Dimethylphenol	105-67-9	<320
Benzoic Acid	65-85-0	<560
Bis(2-chloroethoxy)methane	111-91-1	<320
2,4-Dichlorophenol	102-83-2	<320
1,2,4-Trichlorobenzene	120-82-1	<320
Naphthalene	91-20-3	<320
4-Chloroaniline	106-47-8	<320
Hexachlorobutadiene	87-68-3	<320
4-Chloro-3-methylphenol	59-50-7	<320
2-Methylnaphthalene	91-57-6	<320
Hexachlorocyclopentadiene	77-47-4	<320
2,4,5-Trichlorophenol	95-95-4	<320
2,4,6-Trichlorophenol	88-06-2	<320
2-Chloronaphthalene	91-58-7	<320
2-Nitroaniline	88-74-4	<320
Acenaphthylene	208-96-8	<320
Dimethyl Phthalate	131-11-3	<320

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<320
Acenaphthene	83-32-9	460
3-Nitroaniline	99-09-2	<320
2,4-Dinitrophenol	51-28-5	<560
Dibenzofuran	132-64-9	<320
2,4-Dinitrotoluene	121-14-2	<320
4-Nitrophenol	100-02-7	<400
Fluorene	86-73-7	450
4-Chlorophenyl phenyl ether	7005-72-3	<320
Azobenzene	103-33-3	<320
Diethyl Phthalate	84-66-2	<320
4-Nitroaniline	100-01-6	<400
4,6-Dinitro-2-methylphenol	534-52-1	<320
N-Nitrosodiphenylamine	86-30-6	<320
4-Bromophenyl phenyl ether	101-55-3	<320
Hexachlorobenzene	118-74-1	<320
Pentachlorophenol	87-86-5	<480
Phenanthrene	85-01-8	7,300
Anthracene	120-12-7	1,400
Carbazole	86-74-8	540
Di-n-butyl Phthalate	84-74-2	<320
Fluoranthene	206-44-0	11,000
Benzidine	92-87-5	<320
Pyrene	129-00-0	10,000
Butyl benzyl Phthalate	85-68-7	<320
3,3´-Dichlorobenzidine	91-94-1	<320
Benzo(a)anthracene	56-55-3	5,400
Chrysene	218-01-9	5,300
Bis(2-ethylhexyl)Phthalate	117-81-7	350
Di-n-octyl Phthalate	117-84-0	<320
Benzo(b)fluoranthene	205-99-2	4,700
Benzo(k)fluoranthene	207-08-9	4,100
Benzo(a)pyrene	50-32-8	5,000
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200
Dibenzo(a,h)anthracene	53-70-3	820
Benzo(g,h,i)perylene	191-24-2	3,400

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID:0020205
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PESTICIDES
SW-846 METHOD 8081

PARAMETER	CAS No.	RESULTS ug/kg
DBCP	96-12-8	<5
Hexachlorocyclopentadiene	77-47-4	<5
Hexachlorobenzene	118-74-1	<5
α-BHC	319-84-6	<5
γ-BHC(Lindane)	58-89-9	<5
β-BHC	319-85-7	<5
Heptachlor	76-44-8	<5
δ-BHC	319-86-8	<5
Aldrin	309-00-2	<5
Isodrin	465-73-6	<5
Heptachlor Epoxide	1024-57-3	<5
Endosulfan I	959-98-8	60
4,4'-DDE	72-55-9	<5
Dieldrin	60-57-1	<5
Endrin	72-20-8	<5
Chlorobenzilate	510-15-6	<5
4,4'-DDD	72-54-8	<5
Endosulfan II	33213-65-9	<5
4,4'-DDT	50-29-3	9.6
Endrin Aldehyde	7421-93-4	<5
Endosulfan Sulfate	1031-07-8	<5
Methoxychlor	72-43-5	<5
Endrin Ketone	53494-70-5	9.2
Chlordane	57-74-9	<5
Toxaphene	8001-35-2	<10

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID:0020205
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PCBs as AROCLORS
SW-846 METHOD 8082

PARAMETER	CAS No.	RESULTS ug/kg
Aroclor-1016	12674-11-2	<80
Aroclor-1221	11104-28-2	<80
Aroclor-1232	11141-16-5	<80
Aroclor-1242	53469-21-9	<80
Aroclor-1248	12672-29-6	<80
Aroclor-1254	11097-69-1	<80
Aroclor-1260	11096-82-5	<80

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	5,445
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	54.6
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	72,765
Cadmium, Cd	0.5	0.554
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	4.04
Copper, Cu	0.5	14.1
Iron, Fe	0.5	7,128
Potassium, K	3.0	14,929
Magnesium, Mg	1.0	20,939
Manganese, Mn	0.5	83.4
Sodium, Na	1.0	350
Nickel, Ni	0.5	4.89
Lead, Pb	0.5	122
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	43.9
Zinc, Zn	0.5	164
Mercury, Hg	0.05	0.330

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<320
N-Nitrosodimethylamine	62-75-9	<320
Aniline	62-53-3	<320
Bis(2-chloroethyl)ether	111-44-4	<320
Phenol	108-95-1	<320
2-Chlorophenol	95-57-8	<320
1,3-Dichlorobenzene	541-73-1	<320
1,4-Dichlorobenzene	106-46-7	<320
1,2-Dichlorobenzene	95-50-1	<320
Benzyl Alcohol	100-51-6	<320
Bis(2-chloroisopropyl)ether	108-60-1	<320
2-Methylphenol	95-48-7	<320
Hexachloroethane	67-72-1	<320
N-Nitrosodi-n-propylamine	621-64-7	<320
3+4-Methylphenol	108-39-4 / 106-44-5	<320
Nitrobenzene	98-95-3	<320
Isophorone	78-59-1	<320
2- Nitrophenol	88-75-5	<320
2,4-Dimethylphenol	105-67-9	<320
Benzoic Acid	65-85-0	<560
Bis(2-chloroethoxy)methane	111-91-1	<320
2,4-Dichlorophenol	102-83-2	<320
1,2,4-Trichlorobenzene	120-82-1	<320
Naphthalene	91-20-3	<320
4-Chloroaniline	106-47-8	<320
Hexachlorobutadiene	87-68-3	<320
4-Chloro-3-methylphenol	59-50-7	<320
2-Methylnaphthalene	91-57-6	<320
Hexachlorocyclopentadiene	77-47-4	<320
2,4,5-Trichlorophenol	95-95-4	<320
2,4,6-Trichlorophenol	88-06-2	<320
2-Chloronaphthalene	91-58-7	<320
2-Nitroaniline	88-74-4	<320
Acenaphthylene	208-96-8	<320
Dimethyl Phthalate	131-11-3	<320

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<320
Acenaphthene	83-32-9	1,200
3-Nitroaniline	99-09-2	<320
2,4-Dinitrophenol	51-28-5	<560
Dibenzofuran	132-64-9	640
2,4-Dinitrotoluene	121-14-2	<320
4-Nitrophenol	100-02-7	<400
Fluorene	86-73-7	1,200
4-Chlorophenyl phenyl ether	7005-72-3	<320
Azobenzene	103-33-3	<320
Diethyl Phthalate	84-66-2	<320
4-Nitroaniline	100-01-6	<400
4,6-Dinitro-2-methylphenol	534-52-1	<320
N-Nitrosodiphenylamine	86-30-6	<320
4-Bromophenyl phenyl ether	101-55-3	<320
Hexachlorobenzene	118-74-1	<320
Pentachlorophenol	87-86-5	<480
Phenanthrene	85-01-8	15,000
Anthracene	120-12-7	3,300
Carbazole	86-74-8	1000
Di-n-butyl Phthalate	84-74-2	<320
Fluoranthene	206-44-0	20,000
Benzidine	92-87-5	<320
Pyrene	129-00-0	18,000
Butyl benzyl Phthalate	85-68-7	<320
3,3´-Dichlorobenzidine	91-94-1	<320
Benzo(a)anthracene	56-55-3	9,200
Chrysene	218-01-9	9,000
Bis(2-ethylhexyl)Phthalate	117-81-7	430
Di-n-octyl Phthalate	117-84-0	<320
Benzo(b)fluoranthene	205-99-2	10,000
Benzo(k)fluoranthene	207-08-9	3,400
Benzo(a)pyrene	50-32-8	8,200
Indeno(1,2,3-c,d)pyrene	193-39-5	4,900
Dibenzo(a,h)anthracene	53-70-3	1,400
Benzo(g,h,i)perylene	191-24-2	5,000

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	1,864
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	5.22
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	8,371
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	<0.5
Copper, Cu	0.5	1.68
Iron, Fe	0.5	5,874
Potassium, K	3.0	12.3
Magnesium, Mg	1.0	1,156
Manganese, Mn	0.5	1.76
Sodium, Na	1.0	13.8
Nickel, Ni	0.5	<0.5
Lead, Pb	0.5	12.3
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	<0.5
Zinc, Zn	0.5	2.72
Mercury, Hg	0.05	0.157

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Laboratory Director

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56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	<5
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3′-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	172
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	11.4
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	1,163
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	0.465
Copper, Cu	0.030	3.61
Iron, Fe	0.030	727
Potassium, K	0.400	22.5
Magnesium, Mg	0.030	171
Manganese, Mn	0.030	7.61
Sodium, Na	0.050	110
Nickel, Ni	0.030	0.633
Lead, Pb	0.030	23.6
Antimony, Sb	0.050	<0.050
Selenium, Se	0.005	<0.005
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.897
Zinc, Zn	0.030	9.62
Mercury, Hg	0.002	0.003

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	1.60
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	<0.030
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	313
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	<0.030
Potassium, K	0.400	13.3
Magnesium, Mg	0.030	55.1
Manganese, Mn	0.030	0.350
Sodium, Na	0.050	96.8
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.173
Zinc, Zn	0.030	<0.030
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: AAL20000@aol.com

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: Mimi Sotiriou, AKRF, Inc

CONTACT: 212-340-9779, 917-612-7877

SAMPLER (SIGNATURE): Mimi Sotiriou DATE: 8/17 TIME: 5pm

SAMPLER NAME (PRINT): Mimi Sotiriou

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION: Greenpoint Lumber Yard 30260-0005

ANALYSIS REQUIRED

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260	8270	TAL METALS	Pest 8082	PCB 8081	P.O.# 30260-0005
0020196	S	G		B-3 (1-3)	X	X	X			
0020197	S			B-3 (8-10)			X			
0020198	L			MW-2			F/UF			
0020199	S			MW-3 (0-2)			X	X	X	
0020200	S			MW-3 (5-7)			F/UF			
0020201	L			MW-3			X			
0020202	S			MW-4 (0-2)			X			
0020203	S			MW-4 (13-15)			X			
0020204	L			MW-4			F/UF			
0020205	S			MW-5 (0-2)			X	X	X	
0020206	S			MW-5 (4-6)			X			
0020207	L			MW 5			F/UF			

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A=AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL

TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY 8/30/01

COMMENTS / INSTRUCTIONS: F and un-F liquid metals. Only 1 SVOC liquid MW-2

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
Mimi Sotiriou	8/17 6pm	M. Sotiriou		8/17/01	Jim C
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

Greenpoint Lumber Yard

BROOKLYN, NEW YORK

Supplemental Subsurface (Phase II) Investigation Report

AKRF Project Number: 30260

Prepared for:

Park Tower Realty Corp.
499 Park Avenue
New York, New York 10022

Prepared by:

AKRF, Inc.
116 East 27th Street, 7th Floor
New York, NY 10016
646-459-3500

APRIL 2004

EXECUTIVE SUMMARY

The Greenpoint Lumber Yard Site (Project Site or Site) is an approximately 20+-acre, mostly paved parcel of waterfront property in the Greenpoint neighborhood of Brooklyn, New York. The Project Site consists of Tax Block 2472, Lots 2, 32, and 100; Tax Block 2494, Lot 1; Tax Block 2502, Lot 1; Tax Block 2510, Lot 1; and Tax Block 2520, Lot 57.

AKRF, Inc. has performed three environmental studies on the Greenpoint Lumber Yard site since 2001, including a Phase I Environmental Site Assessment dated July 2001, a Phase II Subsurface Investigation dated October 2001 and a Supplemental Subsurface (Phase II) Investigation dated September 2003. The studies were conducted consistent with applicable requirements of the American Society for Testing and Materials (ASTM). The Phase I Environmental Site Assessment assessed the project site's 100-year industrial history, including use as a lumber yard and an on-site extract and chemical company. The Phase I noted that current site uses included auto parking and auto and machine repair and it identified several potential underground storage tanks on the property. To determine whether these environmental conditions had affected soil and groundwater conditions on the Greenpoint Lumber Yard site, two subsurface investigations were performed.

A total of 61 soil samples and 16 groundwater samples were collected and analyzed during the 2001 Phase II Site Investigation (19 soil and 5 groundwater) and the 2003 Supplemental Subsurface (Phase II) Investigation (42 soil and 11 groundwater samples). No widespread contamination from former site uses was detected during these studies. Site conditions were found to be generally consistent with background conditions on other urban waterfront sites containing historic urban fill.

There were only limited areas in which soil or groundwater exceeded applicable guidance or standards, all of which can be mitigated through well-established methods. Of the 61 soil samples collected, concentrations of polychlorinated biphenyls (PCBs), pesticides and/or total semivolatile organic compounds (SVOCs), particularly polynuclear aromatic hydrocarbons (PAHs), above the New York State Department of Environmental Conservation's (NYS DEC's) Technical and Administrative Guidance Manual (TAGM) 4046 Recommended Soil Cleanup Objectives (RSCOs) were detected in two soil sample locations located in the central portion of the site, between Freeman and Dupont Streets. No areas of concern were detected in the southern or northern portions of the site. At one of these locations, PCBs and pesticides were detected in a surface soil sample; however, PCBs and pesticides were not detected in soil samples collected from a deeper interval in this boring, indicating that contamination in this boring is vertically limited. At the second location, evidence of cresote, a product commonly used in wood preservation, was detected in a subsurface soil sample. Of the 61 soil samples analyzed on the Greenpoint Lumber Yard Site, this is the only location where contamination likely resulting from former site usage as a lumber yard was detected at concentrations exceeding the TAGM. Individual SVOCs and metals were detected in most soil samples at concentrations above TAGM RSCOs, but within ranges typical of urban fill material.

VOCs and SVOCs were detected in four groundwater monitoring wells at concentrations exceeding NYS DEC groundwater standards, which are intended to apply to potable water supplies only. One well, situated in the southeast portion of the site near a former gasoline pump and associated underground storage tank(s), is located in an upgradient location with respect to groundwater on the site; contamination detected in this well is likely related to a petroleum leak from the nearby former pump and tank(s). Two of the other three wells in which contamination was detected were also located in upgradient locations with respect to groundwater on the project site; it is likely that contamination in these two wells is from off-site sources. Contamination detected in the fourth well, located in the northwest portion of the site and downgradient with respect to groundwater, could be from on- or off-site sources. Based on this data, groundwater remediation is not anticipated. The types and concentrations of contaminants detected in

groundwater above NYS DEC's Class GA Standards are not indicative of contamination from former on-site uses and are not unusual for urban areas. Although remediation is not anticipated, groundwater monitoring may be required by the State in areas where spills have been reported to assure the removal of the source has led to stabilization or improvement of the limited groundwater contamination.

In accordance with NYS DEC reporting requirements, in 2001 a spill was reported to this agency for petroleum contamination in the vicinity of the boring and well located near a former gasoline pump and associated underground storage tank(s). Remediation of the spill must be coordinated with NYS DEC's spills group in accordance with petroleum-contaminated soil guidance policies provided in the agency's Division of Environmental Remediation's DRAFT DER-10, Technical Guidance for Site Investigation and Remediation (December 2002) and TAGM 4046. Following tank removal, spill remediation will likely include excavation and off-site disposal of petroleum-contaminated soil and the collection and analysis of endpoint samples and may include groundwater monitoring. The execution of an Administrative Order on Consent or Stipulation may be required by the State for the spill remediation. When NYS DEC is satisfied with the remediation, a No Further Action letter will be issued and the spill listing will be effectively closed. Based on the results of the two subsurface investigations, no other New York State regulatory agency involvement would be required.

New York City has proposed rezoning an area along the Brooklyn Waterfront that includes the Greenpoint Lumber Yard site. The rezoning action requires review under the City Environmental Quality Review (CEQR) process. It is anticipated that because of its industrial waterfront history, the individual lots that comprise the site will receive E-designations as part of the rezoning. E-designations require that, prior to redevelopment, further investigation and remediation, if required, be performed on the subject lot with approval from the New York City Department of Environmental Protection (NYC DEP). New York City Department of Buildings (NYC DOB) permits will be withheld until NYC DEP is satisfied with proposed remedial activities, if required, and certificates of occupancy will be withheld until NYC DEP is satisfied with the remediation.

On sites like the Greenpoint Lumber Yard site, where a Phase I and Phase II have already been performed, the final reports for these studies can be submitted to NYC DEP for review and approval. It is likely that NYC DEP will require further investigation to confirm the findings of the two subsurface investigations. It is anticipated that remediation, which would likely consist of tank and hot spot removal and capping, could take place during general excavation for the proposed project. NYC DEP will likely require the removal of the two hotspots identified by the subsurface investigations and the underground storage tanks (USTs) suspected in the Phase I ESA. Reports documenting these activities would be prepared and submitted to both the NYC DEP and the NYS DEC Spills Group. These remedial actions could satisfy DEP, but it is possible that capping of the entire Greenpoint Lumber Yard site with either paved surfaces and/or building foundations or two feet of imported clean fill material in landscaped areas would be required to eliminate the exposure pathways of ingestion and/or inhalation of contaminants in fill material that may remain in the ground after the project is complete.

Construction for the proposed project will be performed under the provisions of a Construction Health and Safety Plan, which will be required by NYC DEP. The Construction Health and Safety Plan (CHASP) will be tailored specifically to the proposed development on the Greenpoint Lumber Yard site and will establish practices and procedures to protect the health of construction personnel and others during implementation of work involving potential or known contamination on the site.

During general excavation for the site, it is anticipated that most soil on the site could be disposed of as construction and demolition debris. Areas of contamination may require disposal as petroleum-contaminated or non-hazardous contaminated material. Based on sampling results from the two subsurface investigations, none of the soil tested to date would require disposal as a hazardous waste.

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1.0 INTRODUCTION

This report presents the findings of a Supplemental Subsurface (Phase II) Investigation performed on the Greenpoint Lumber Yard Site in Brooklyn, New York in July 2003. The investigation included the advancement and sampling of 21 soil borings to groundwater and the completion, development and sampling of 11 groundwater monitoring wells. Supplementing the findings of the Subsurface (Phase II) Investigation performed on the Site by AKRF, Inc. in October 2001, the purpose of this investigation was to further characterize soil and groundwater conditions on the Greenpoint Lumber Yard Site. The Sample Analysis and Results and Conclusions sections of this report summarize data from both investigations.

2.0 PROJECT SITE DESCRIPTION

The Greenpoint Lumber Yard Site (Project Site or Site) is an approximately 20+-acre, mostly paved parcel of waterfront property in the Greenpoint neighborhood of Brooklyn, New York. The Project Site consists of Tax Block 2472, Lots 2, 32, and 100; Tax Block 2494, Lot 1; Tax Block 2502, Lot 1; Tax Block 2510, Lot 1; and Tax Block 2520, Lot 57. The subject blocks are generally bounded to the north by Newtown Creek; to the east by portions of Commercial, Franklin and West Streets; to the south by Huron Street; and to the west by the East River. Please see Figure 1 for Project Site Location.

The Project Site currently contains the following structures: a two-story brick and concrete office, a small brick guard shed and a large corrugated metal garage near the intersection of Green and West Streets; and a second brick guard shack, which has been converted for auto repair, at the intersection of Dupont and Franklin Streets. The remainder of the property consists of open areas that are used primarily for contractors' materials storage.

The surface topography on the Project Site generally slopes downward to the north, toward Newtown Creek and to the west, toward the East River. Based on reports compiled by the U.S. Geological Survey, the surface elevation of the Site is approximately five to fifteen feet (National Geodetic Vertical Datum of 1929), depending on the area of the Site. Groundwater is located approximately six to fifteen feet below the surface of the Site. Groundwater predominantly flows in a westerly direction towards the East River and in a northerly direction towards Newtown Creek.

3.0 PREVIOUS STUDIES

A Phase I Environmental Site Assessment was performed on the Greenpoint Lumber Yard Site in July 10, 2001 and a Phase II Subsurface Investigation was performed in October 2001. Both studies were performed by AKRF, Inc. The findings of these investigations are summarized below.

3.1 PHASE I ENVIRONMENTAL SITE ASSESSMENT (JULY 2, 2001)

A Phase I Environmental Site Assessment was performed by AKRF, Inc. in July 2001 on the Project Site. An Addendum to the Phase I Environmental Site Assessment was issued by AKRF, Inc. on July 17, 2001. The Phase I Assessment met the requirements of the American Society for Testing and Materials (ASTM), as established by ASTM Standard E 1527-00, and included a site inspection, a review of historical fire insurance (Sanborn) maps and a review of federal, state and local regulatory databases. The Phase I identified the Site to have had over a 100-year history primarily as a lumber yard. Other historical non-lumber-related uses included:

- New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (Tax Block 2520, Lot 57 and Tax Block 2510);
- New York Quebracho Extract Company ca. 1916 (Tax Block 2520, Lot 57 and Tax Block 2510);

- A.K. Meserole & Company, a mason material and coal storage yard) ca. 1916 (Tax Block 2502);
- C. Winant's Spar Company ca. 1916 (Tax Block 2502);
- Export Auto Case Company ca. 1916 (Tax Block 2502);
- O'Rouke Engineering and Construction Company ca. 1905 (Tax Block 2472, Lot 100);
- New York State Barge Canal Terminal and Alberene Stone Company Tub Storage ca. 1916 (Tax Block 2472, Lot 100);
- Greenpoint Coal Docks, Inc. ca. 1942 through ca. 1951 (Tax Block 2472, Lot 100).

Potential environmental concerns identified for the property included potential former Site usage for pressure-treating lumber, an on-Site former extract and chemical company, current auto parking and auto and machine repair, and several potential underground storage tanks. Lumber yards often used creosote (a coal tar derivative, which contains elevated levels of polycyclic aromatic hydrocarbons [PAHs] and phenols) as a wood preservative. Substances used by the chemical and extract companies could have impacted subsurface soil and/or groundwater with any number of contaminants. Additionally, aboveground and potential underground storage tanks were noted in the Phase I report and portions of the property are currently used for auto repair. In the areas of known or potential tanks, subsurface petroleum and/or PCB contamination could be present. Solvent contamination could be present in areas used for auto repair. The Phase I Environmental Site Assessment Report recommended that a subsurface (Phase II) investigation be performed on the Site.

3.2 PHASE II SITE INVESTIGATION (OCTOBER 2, 2001)

A Subsurface (Phase II) Investigation, consisting of the advancement and sampling of ten soil borings and the sampling of groundwater at five of the locations, was performed in August 2001 and was summarized in a report dated October 2, 2001. The Phase II Report identified petroleum contamination in soil and groundwater in the vicinity of an active gasoline pump on Block 2520 and low levels of PAHs (a subset of semi-volatile organic compounds [SVOCs]) and heavy metals in soil and groundwater throughout the Site. The levels of PAHs and heavy metals that were detected are typical of those found in fill material in urban areas and appear likely to be related to coal ash. The results of this investigation are discussed in more detail in the Sample Analysis and Results and Conclusions sections of this report.

4.0 SOIL BORINGS AND GROUNDWATER MONITORING WELLS

As part of the Supplemental Subsurface (Phase II) Investigation, twenty-one soil boring were advanced to groundwater and sampled on the Greenpoint Lumber Yard Site on June 25 and 26, 2003. Eleven permanent groundwater monitoring wells were completed and developed on June 30 and July 1 and 2, 2003. The eleven groundwater monitoring wells and one additional well that was discovered on Block 2472 were sampled on July 14 and 15, 2003. AKRF's field crew consisted of Mimi Sotiriou and Julie Foley. Aquifer Drilling and Testing advanced the soil borings and installed the permanent groundwater monitoring wells.

4.1 SAMPLE LOCATION RATIONALE

The twenty-one boring and well locations, along with the ten boring and well locations from the October 2001 Phase II Site Investigation, were selected to evenly characterize soil and groundwater across the Site. Certain borings and wells, however, were biased towards the location of the former chemical and extract companies, known and potential storage tanks, and

areas where lumber storage and possible treatment occurred. Please see the chart below for Sample Location Rationale. Certain monitoring well locations were selected in both upgradient and downgradient locations to determine whether there was any impact on groundwater from on- or off-Site contaminants. Please see Figure 2 for the Boring and Monitoring Well locations.

SAMPLE LOCATION RATIONALE				
BLOCK/LOT	**HISTORICAL TENANT**	**CURRENT USE**	**POTENTIAL CURRENT OR FORMER TANKS**	**SAMPLE LOCATIONS**
Block 2520, Lot 57	New York Dye – Wood Extract and Chemical Company, lumber yard	Auto parking, auto repair, contractors' materials storage	Gasoline, fuel oil, hydraulic oil and motor oil	B6, MW1 and MW6,
Block 2510	New York Dye – Wood Extract and Chemical Company, lumber yard	Contractors' materials storage, auto parking		B1, B2, B7, MW7 and MW8
Block 2502	A.K. Meserole & Company (a mason materials and coal storage yard), Export Auto Case Company, C. Winant's Spar Company, lumber yard	Contractors' materials storage, auto parking	Fuel oil	B3, B8, B9, B10, B11, MW2 and MW9
Block 2494	Lumber yard	Auto repair, auto parking, auto auction	Storage tank (unknown contents)	MW4 and MW11
Block 2472, Lot 32	Lumber Yard	Contractors' materials storage, auto parking		B4, B12, B13 MW3, MW10, MW12, MW12A
Block 2472, Lot 100	O'Rouke Engineering and Construction Company, NYS Barge Canal Terminal, Alberene Stone Company Tub Storage, Greenpoint Coal Docks, lumber yard	Contractors' materials storage, auto parking	Fuel oil	B5, B14, B15, MW5, MW11, MW13A, MW14, MW15, MW15A, MW16

4.2 SOIL SAMPLING METHODOLOGY

At each of the 21 sampling locations, a Geoprobe rig was used to drive a sampling probe into the soil. Soil samples were collected by driving the probe with a five-foot teflon liner into the soil at five-foot intervals until groundwater was reached. Soil was screened for organic vapors in the teflon liner at one foot intervals using a photoionization detector (PID). Soil samples were classified using a modified Burmister Classification System by AKRF field personnel. Please see Appendix A for Boring Logs.

Two soil samples were collected from each boring location based on field observations. If no field contamination (staining, odors or PID readings above background) was apparent, a sample from the two-foot interval immediately beneath the original ground surface (excluding any overlying asphalt or concrete) and a sample from the groundwater interface were collected. If evidence of contamination was noted in any interval, one or both of the samples were collected from the interval(s) exhibiting contamination. Soil samples were transferred from the Teflon liner to sample jars using dedicated and disposable sterile plastic sampling spoons.

The soil samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to American Analytical Laboratories, Inc. in Farmingdale, New York, a NYSDOH-ELAP laboratory (No. 11418). Soil samples were analyzed for volatile organic compounds (VOCs) (EPA Method 8260), semivolatile

organic compounds (SVOCs) (EPA Methods 8270), polychlorinated biphenyls (PCBs) (EPA Method 8081), pesticides (EPA Method 8082) and target analyte list (TAL) metals (EPA Method 6010). If not enough sample material was available to analyze for all parameters, sample analysis was selected based on field observation. Category A Deliverables were requested for this data set.

Refusal was encountered at two locations (B7 R1 and B7 R2) near B7 and at one location (MW9 R1) near MW9. B7 was successfully completed to groundwater on the third attempt and MW9 was also successfully completed on the second attempt. One sample was collected from B7 R2 (5.5-6.0) and was analyzed for full span parameters. A second sample was collected from B7 (9.5-10.0). Only enough sample material was recovered from this interval to analyze this sample for volatile organic compounds.

After groundwater was encountered in the 21 boring locations, the borings were backfilled with soil cuttings and plugged with asphalt. Any cuttings that were not replaced into the borings were drummed for off-Site disposal.

4.3 GROUNDWATER SAMPLING METHODOLOGY

Groundwater monitoring wells were completed at 11 of the boring locations using the hollow-stem auger rig. The monitoring wells were advanced using a 4¼-inch hollow-stem augers and consisted of two-inch internal diameter PVC casing. A ten-foot slotted PVC screen was installed in the approximate top six feet of groundwater. A sand filter pack was placed in the annular space around the screen and extended to approximately two feet above the screen. The annular space around the well casing was sealed with bentonite for an interval of approximately two feet. A grout, consisting of a cement and bentonite mixture or an anti-shrink mixture, extended from the bentonite seal to a level of approximately two feet below ground level. The remaining annular space was sealed with a concrete cap and well apron (expanding cement). A locking well cap and a flush-mounted well cover was installed upon completion of the well. Drill cuttings were drummed for off-Site disposal. Please see Appendix A for Well Construction Logs.

Groundwater monitoring wells were successfully completed at 9 of the 11 boring locations. Refusal was encountered during well installation two times at approximately 4 and 10 feet below grade in the vicinity of boring MW12. Due to spatial confines (the adjacent park and the bulkhead), the location of the corresponding well (MW12A) was relocated approximately 100 feet south of the boring MW12. The well was successfully completed at this location. AKRF personnel could not install a monitoring well in the location of boring MW15 because the location was covered with unmovable objects. Therefore, the well location was moved approximately 10 feet south of the boring location and the well was labeled MW15A.

The wells were developed on the day they were drilled or on the day after they were drilled by pumping. The wells were pumped using a submersible whale pump and dedicated Teflon tubing for each well. Turbidity was measured using a nephelometer and temperature, conductivity, dissolved oxygen and oxygen/reduction potential were measured using the Quanta G water quality meter. The pH probe on the Quanta G was broken and no pH readings were collected during well development. Water quality parameter readings were recorded approximately every five minutes during development. The wells were developed until the water quality parameters stabilized within 10%, or until the turbidity reading was less than 50 Nephelometric Turbidity Units (NTU) or less. If the water quality parameters did not stabilize and the turbidity reading was not less than 50 NTU, but at least three well volumes were evacuated from the well and it ran dry four times, then the well was considered developed. Development water was drummed for off-Site disposal. Please see Appendix B for Well Development Logs.

All wells except for MW13 were developed successfully. The plug in the bottom of the PVC well screen in MW13 was not secured and fell out between well installation and development. Soil filled the interior of the well screen to a depth of approximately 7 feet below grade. MW13 well was over-drilled, reconstructed and developed successfully. The new well was called MW13A.

In accordance with EPA protocol, the wells were not sampled for at least seven days after development. Prior to sampling, an electronic interface meter was used to measure water levels. Well purging and sample collection was accomplished using low flow techniques. The wells were purged using a Geotech Geopump 2 at a purge rate no greater than 3.8 liters per minute. A Solinist groundwater level meter with an alarm was placed approximately 2 inches below the groundwater table to ensure no drawdown occurred during well purging. Turbidity was measured using a nephelometer and temperature, conductivity, dissolved oxygen and oxygen/reduction potential were measured using the Quanta G water quality meter. During this stage, pH readings were collected using an Oakton pHTestr sampling probe. Water quality parameter readings were recorded approximately every five minutes during well purging.

Wells were purged until sample parameters stabilized within 10%, until the turbidity reading was 10 NTU or less, or until at least five well volumes were purged. Purge water was drummed for disposal. All eleven wells, plus an additional well that was discovered on Block 2472, were successfully purged.

Groundwater samples were collected using the Geotech Geopump 2 at a sample rate no greater than 500 milliliters/minute. The Solinist groundwater level meter was used to ensure that drawdown did not occur during sampling. The groundwater samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to the laboratory. Groundwater samples were analyzed for VOCs (EPA Method 8260), SVOCs (EPA Method 8270), PCBs (EPA Method 8081), pesticides (EPA Method 8082) and TAL metals (both filtered and unfiltered samples). Sufficient sample material was collected from all wells, including the found well, to analyze for all parameters. Please see Appendix B for Well Sampling Logs.

4.4 QA/QC

4.4.1 Decontamination

Sampling equipment was dedicated or disposed of after use to avoid contamination and cross-contamination of samples.

4.4.2 Chain of Custody

To ensure the integrity of samples taken, a strict chain-of-custody record was maintained on each sample. This began during sampling with the entry in the sampler's field log of the sampling details:

a) Date and time of sampling;

b) Sample location (as specific as possible);

c) The unique sample number;

d) Sample description;

e) Weather conditions (if applicable); and

f) Any additional comments.

The chain-of-custody form was kept as a record of the sample's progress from the field to the laboratory where it was analyzed. The form included:

a) The sample number;

b) The sampler's name;

c) Date of sampling;

d) Location where the sample was taken;

e) Signatures of people involved in the chain of possession; and

f) Inclusive dates of possession of each person in the chain.

The chain-of-custody form accompanied the samples throughout the trip to the laboratory.

Included in the chain-of-custody record was a request to the laboratory for sample receipt and analysis information, including:

a) Name of person receiving the sample;

b) Laboratory sample number;

c) Date of sample receipt;

d) Sample allocation; and

e) Analyses to be performed.

Upon arrival of samples at the laboratory, the sample custodian entered pertinent information for each sample in the laboratory's sample log book. The chain-of-custody is kept on file at the laboratory.

4.4.3 Laboratory Testing

American Analytical, Inc. performed all analytical work for the Supplemental Subsurface (Phase II) Investigation. American Analytical, Inc.'s office in Farmingdale, New York is ELAP-certified (NYS DOH Certificate No. 11418) by the New York State Department of Health (NYSDOH). The laboratory operates a Quality Assurance/Quality Control (QA/QC) program that consisted of proper laboratory practices (including the required chain-of-custody), an internal quality control program, and external quality control audits by New York State. Category A deliverables were produced for soil and groundwater sampling results for this project.

A trip blank and field blank were included in each batch of twenty samples collected. A total of three trip blanks and three field blanks were included with the soil samples. One trip blank and one field blank were included with the groundwater samples. Trip blanks were analyzed for TCL VOCs to check for contamination during transport and sampling procedures. The field blanks that accompanied soil and groundwater samples to the laboratory were analyzed for VOCs, SVOCs, PCBs, pesticides and TAL metals to check for contamination arising from sample collection. No duplicate or blind duplicate samples were collected.

Because it falls right on the border between volatile and semivolatile organic compounds, naphthalene was included in the parameter lists analyzed by EPA Methods 8260 and 8270, respectively.

5.0 SAMPLE ANALYSIS AND RESULTS

This Sample Analysis and Results section presents data collected during both the October 2001 Phase II Site Investigation and the 2003 Supplemental Subsurface (Phase II) Investigation. A total of 19 soil samples were collected from 10 borings (B1 through B5 and MW1 through MW5) and a total of 5 groundwater samples were collected from 5 temporary well points (MW1 through MW5) during the 2001 Phase II Site Investigation. A total of 42 soil samples were collected from 21 boring locations (B6 through B15 and MW6 through MW16) and a total of 11 groundwater samples were collected from 11 permanent groundwater monitoring wells (MW6 through MW16) during the 2003 Supplemental Subsurface (Phase II) Investigation.

The analytical data from the Supplemental Subsurface (Phase II) Investigation is summarized in Tables 1 through 10 in the Tables section of this report. The analytical data from the October 2001 Phase II Investigation in summarized in Tables 11 through 19 in the Tables Section of this report. Complete Category A deliverables for the Supplemental Subsurface (Phase II) Investigation are included in Appendix C. Laboratory deliverables for the October 2001 Investigation are included in Appendix B of the Phase II Site Investigation Report.

Soil samples are designated by the boring location and depth below grade. For example, MW13 (5'-7') is from boring location MW13 at a depth between 5 feet and 7 feet below grade. Soil analysis data was evaluated relative to the Recommended Soil Clean-up Objective (RSCO) values in the NYSDEC Division of Hazardous Waste Remediation document Technical Administrative Guidance Memorandum (TAGM) 4046, issued in 1994. Metals analysis in soil was additionally compared to the Eastern United States background range for metals listed in TAGM 4046 and to the U.S. EPA Soil Screen Levels (risk-based levels) for ingestion. Groundwater data was evaluated relative to the Class GA Standards and Guidelines Values contained in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Handling, Guidance Values and Groundwater Effluent Limitations. GA Standards are intended for potable water supplies, but are applied to all groundwater in the State. Groundwater is not used as a potable source in Brooklyn.

5.1 FIELD CONDITIONS

At each of the 31 total boring locations (10 borings during the 2001 Investigation and 21 borings during the 2003 Investigation), borings were advanced to between 3 feet and 20 feet below grade. Groundwater was encountered between approximately 5.25 feet and 15.0 feet below grade. The overburden was generally characterized by fill composed of brown to black coarse to fine sand with varying amounts of gravel and silt. Wood fragments, coal, ash, slag and brick were noted in many borings. Much of the overburden across the Site was dark gray to black in color. Sample analytical results did not indicate widespread chemical contamination across the Site; thus, the dark soil color is more likely attributable to high coal content than to chemical staining. Significant PID readings (above 10 parts per million [ppm]) were noted in B1 (1'-2') at 58.8 ppm; B13 (0.5'-1') at 47 ppm; MW1 at 1,888 ppm; MW2 (5'-7') at 14.7 ppm; and MW7 (10'-11') at 73.1 ppm. Organic-, petroleum- and solvent-like odors were noted in several borings. Please see boring logs for a complete delineation of PID readings and odors noted in borings. Logs from the October 2001 investigation are included in Appendix A of the Phase II Site Investigation Report. Logs from the Supplemental Subsurface (Phase II) Investigation are included in Appendix A of this report.

Borings and wells from the October 2001 Investigation were analyzed for VOCs, SVOCs and TAL Metals. Only 4 of the 19 soil samples [B2 (0'-1'), B5 (2'-4'), MW3 (0'-2') and MW5 (0'-2')] from that investigation were analyzed for PCBs and pesticides. During the Supplemental Subsurface (Phase II) Site Investigation, enough sample material was recovered from all boring

intervals to analyze for all parameters (VOCs, SVOCs, PCBs, pesticides, and TAL metals), except for B7 (9.5-10.0). Only enough sample material was recovered to analyze this sample for volatile organic compounds.

A slight sheen was noted in purge water from MW6 and MW7. An organic odor was noted in purge water from MW12 and MW14. A slight petroleum-like odor was noted in purge water from MW13. Red rust flakes were noted in purge water from the Found Well. During the Supplemental Subsurface (Phase II) Site Investigation, sufficient groundwater volume was recovered at each location to analyze for all parameters (VOCs, SVOCs, PCBs, pesticides, and TAL metals [filtered and unfiltered]).

5.2 SOIL

A total of 61 soil samples were collected during the October 2001 Phase II Site Investigation (19 samples) and the 2003 Supplemental Subsurface (Phase II) Investigation (42 samples). Two soil samples were collected from each boring location based on field observations, except for B2, where only one sample was collected. If no field contamination (staining, odors or PID readings above background) was observed, a sample from the two-foot interval immediately beneath the original ground surface (excluding any overlying asphalt or concrete) and a sample from the groundwater interface were collected. If evidence of contamination was noted in any interval, one or both of the samples was collected from the interval(s) exhibiting contamination. The following subsections discuss the results of both subsurface investigations.

5.2.1 Volatile Organic Compounds

A summary of laboratory analysis of VOCs in soil samples is included in Table 1 for the Supplemental Subsurface (Phase II) Investigation and Table 11 for the October 2001 Phase II Site Investigation. Benzene, chloroform, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, napthtalene, o-xylene, p-diethylbenzene, p-ethyltoluene, trichloroethene and acetone were detected in soil samples. None of the detected concentrations of volatile organic compounds were detected above the TAGM 4046 RSCO, except for acetone in two soil samples: B1(1’-2’) [detected at a concentration of 290 ppb] and MW1 (5’-6’) [detected at a concentration of 780 ppb]. The RSCO for acetone is 50 ppb. Acetone, which is a common field and laboratory artifact, was not detected in the field or method blanks.

5.2.2 Semivolatile Organic Compounds

A summary of laboratory analysis of SVOCs in soil samples is included in Table 2 for the Supplemental Subsurface (Phase II) Investigation and Table 12 for the October 2001 Phase II Site Investigation. Several polycyclic aromatic hydrocarbons (PAHs) were detected at concentrations above their respective TAGM 4046 RSCOs in most soil samples, including benzo(a)anthracene, benzo(a)pyrene, chrysene and dibenzo(a,h)anthracene. The detected PAHs listed above are considered carcinogenic and, therefore, have very low TAGM RSCOs, which are almost always exceeded in urban fill material containing coal, coal ash, asphalt and combustion byproducts deposited from the air.

Other carcinogenic PAHs with slightly higher TAGM RSCOs were detected above their respective RSCOs in some soil samples, including benzo(b)fluoranthene, benzo(k)fluoranthene, and ideno(1,2,3-c,d)pyrene. The detected levels of these PAHs are often associated with coal and coal ash.

The detected concentrations of total SVOCs were below 500 ppm, the TAGM RSCO, in all soil samples analyzed, except for B10 (5'-7'), where the total detected concentration was 4,691 ppm. Total detected concentrations of SVOCs were above 400 ppm in two other sample locations: B11 (1'-3') and MW4 (0'-2'). The total detected concentrations in these two samples were 419 ppm and 472 ppm, respectively. A total concentration of SVOCs above 200 ppm was detected in one soil sample: B8 (8'-10') with a total concentration of 235 ppm. A total concentration above 100 ppm was detected in three soil samples: MW7 (6.5-7.5) with a total concentration of 114 ppm; MW3 (5'-7') with a total concentration of 176 ppm; and MW5 (4'-6') with a total concentration of 111 ppm. Total concentrations of SVOCs were detected below 100 ppm in the remainder of other soil samples.

In the soil samples B10 (5'-7'), B11 (1'-3') and MW4 (0'-2'), in addition to the more prevalent TAGM SVOC exceedances discussed above, lighter PAHs, such as naphthalene and 2-methylnaphthalene were detected. Lighter PAHs are often found in used oil and/or coal tar and coal tar derivatives, such as creosote, which was historically and is currently used as a lumber preservative.

3+4-methylphenol, 2,4-dimethylphenol were also detected in B10 (5'-7'). These compounds, phenols, are commonly detected in coal tar and/or coal tar derivatives, but not in waste oil. Additionally, PID readings of up to 1.2 ppm above background and a slight petroleum-like odor were described in the soil boring log for the interval B10 (5'-7). No wood fragments were described in the logs for B10. Because of the very elevated concentrations of SVOCs and the presence of phenols and naphthalene, the SVOC detected in B10 (5'-7') are more likely attributable to coal tar derivatives than to petroleum.

PID readings of up to 3.5 ppm and a slight petroleum-like odor were noted in soil boring logs for B11 (1'-3'). PID readings of up to 3.0 ppm were noted in MW4 (0'-2'). Because no phenols were detected in these samples, the SVOCs detected in B11 (1'-3') and MW4 (0'-2') are more likely attributed to waste oil than to coal tar derivatives.

5.2.3 Polychlorinated Biphenyls

A summary of laboratory analysis of PCBs in soil samples is included in Table 3 for the Supplemental Subsurface (Phase II) Investigation and Table 13 for the October 2001 Phase II Site Investigation. PCBs were detected at total concentrations ranging from 40 ppb to 1,280 ppb in several soil samples. The detected total concentration of 1,280 ppb in B12 (0.5'-2') slightly exceeds the TAGM RSCO of 1,000 ppb total for surface samples. No other soil samples exceeded the TAGM RSCO for PCBs.

5.2.4 Pesticides

A summary of laboratory analysis of pesticides in soil samples is included in Table 4 for the Supplemental Subsurface (Phase II) Investigation and Table 14 for the October 2001 Phase II Site Investigation. 4,4'-DDD; 4,4'-DDE; 4,4'-DDT and endrin were detected above their respective TAGM RSCOs in soil sample B12 (0.5'-2'). No other pesticides were detected above their TAGM RSCOs in any other soil samples.

5.2.5 Target Analyte List Metals

A summary of laboratory analysis of target analyte list metals in soil samples is included in Table 5 for the Supplemental Subsurface (Phase II) Investigation and Table 15 for the October 2001 Phase II Site Investigation. Eleven metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, mercury, nickel and zinc) were detected above TAGM 4046 RSCOs in soil samples. TAGM RSCOs for metals are based on background concentrations in naturally occurring, native soil. All of the detected metals that exceeded RSCOs also exceeded the upper limit of their respective Eastern U.S. and New York State Background ranges. Neither the TAGM RSCOs nor the Eastern U.S. or New York State Background ranges are risk-based cleanup levels. When compared with US EPA Generic Soil Screening Levels (SSLs, health-based levels), the detected levels of metals in soil, with the exception of arsenic, beryllium, cadmium and lead, are below levels that would be expected to pose a hazard to human health even if routine exposure were to occur.

The RSCOs also allow for the use of site background as alternative criteria. Although no site background concentrations were established for the Site, the similarity of metals concentrations among the soil samples suggests that the soils may represent Site background and do not suggest any contaminated area of the Site. Further, no single sample contained concentrations of metals orders of magnitude above RSCOs.

Although there is not an RSCO for lead, the average background levels in metropolitan and suburban areas or near highways typically range from 200 to 500 ppm. The detected concentration of lead in soil samples B8 (0.5’-2’), B11 (1’-3), B12 (0.5’-2’), B14(2’-3.5’) and MW11 (0.5’-2’) exceeded the upper limit of the average background level in metropolitan areas. The highest concentration of lead detected in these samples was 2,040 in sample B8 (0.5’-2’).

5.3 GROUNDWATER

A total of 16 groundwater samples were collected during the 2001 Phase II Site Investigation (5 samples) and the 2003 Supplemental Subsurface (Phase II) Investigation (11 samples). During the Supplemental Subsurface (Phase II) Investigation, samples were collected from approximately the upper foot of the static water column in each well using low-flow sampling techniques. Well Development and Sampling Logs for the Supplemental Subsurface (Phase II) Investigation are included in Appendix C. The following subsections discuss the results of both subsurface investigations.

5.3.1 Volatile Organic Compounds

A summary of laboratory analysis of VOCs in groundwater samples is included in Table 6 for the Supplemental Subsurface (Phase II) Investigation and Table 16 for the October 2001 Phase II Site Investigation. In MW7, 4-Isopropyltoluene and benzene were detected at concentrations of 7.2 ppb and 2 ppb, respectively, above the Class GA Standards of 5 ppb and 0.7 ppb, respectively. In MW13A, 4-isopropyltoluene, benzene, 1,2,4-trimethylbenzene, ethylbenzene, M+P xylene, naphthalene, o-xylene, styrene, and toluene were detected at concentrations above their respective Class GA Standards. These detected compounds in MW7 and MW13A are common gasoline constituents.

In MW11, tetrachloroethylene was detected at a concentration of 5.6 ppb, above the Class GA Standard of 5.0 ppb. This compound is a common solvent used in dry cleaning.

Isopropylbenzene, m+p xylene, methyl tert-butyl ether (MTBE), n-propylbenzene, o-xylene, p-diethylbenzene and toluene were detected below Class GA Standards in various groundwater samples. No other volatile organic compounds were detected in any other groundwater samples, in the trip blank or in the field blank.

5.3.2 Semivolatile Organic Compounds

A summary of laboratory analysis of SVOCs in groundwater samples is included in Table 7 for the Supplemental Subsurface (Phase II) Investigation and Table 17 for the October 2001 Phase II Site Investigation. In MW7, Phenol was detected at a concentration of 7.4 ppb, above the Class GA Groundwater Standard of 1 ppb. In MW1 and MW13A, naphthalene was detected at concentration of 18 ppb and 630 ppb, respectively, above the Class GA Groundwater Guidance Value (no Standard exists) of 10 ppb.

Benzoic acid, carbazole, dibenzofuran, fluorine, naphthalene, phenanthrene, 2-methylnaphthalene, acenaphthene, acenaphthylene and anthracene were detected at concentrations ranging from 5.6 ppb to 68 ppb in various groundwater samples. None of the detected levels of these compounds exceeded the Class GA Groundwater Standard.

No other SVOCs were detected in any other groundwater sample, in the trip blank or in the field blank.

5.3.3 Pesticides

A summary of laboratory analysis of pesticides in soil samples is included in Table 8 for the Supplemental Subsurface (Phase II) Investigation. No groundwater samples from the October 2001 Phase II Site Investigation were analyzed for pesticides. No pesticides were detected in any groundwater samples.

5.3.4 Polychlorinated Biphenyls

A summary of laboratory analysis of PCBs in soil samples is included in Table 9 for the Supplemental Subsurface (Phase II) Investigation. No groundwater samples from the October 2001 Phase II Site Investigation were analyzed for PCBs. No PCBs were detected in any groundwater samples.

5.3.5 Target Analyte List Metals

A summary of laboratory analysis of target analyte list metals in groundwater samples (both filtered and unfiltered) is included in Table 10 for the Supplemental Subsurface (Phase II) Investigation and Tables 18 and 19 for the October 2001 Phase II Site Investigation. The temporary groundwater well points were not purged prior to sampling during the October 2001 Phase II Site Investigation. Therefore, laboratory filtered sample results are likely more characteristic of true groundwater conditions in these wells. Antimony, iron, manganese, magnesium and sodium were detected in concentrations above the Class GA Groundwater Standards in most filtered and unfiltered water samples. These five elements are earth minerals commonly found in groundwater.

Additionally, thallium was detected at a concentration of 0.0190 ppm in MW7, above the Class GA Guidance Value (no Standard exists) of 0.004 ppm. No other metals were detected above the Class GA Groundwater Standards in any of the groundwater samples.

6.0 GROUNDWATER ELEVATIONS

A survey was performed as part of the Supplemental Subsurface (Phase II) Investigation to determine the geographic locations and elevations of the 10 boring locations, the 3 refusal locations, the 11 groundwater monitoring wells, and the found well. The survey was conducted by Lockwood, Kessler & Bartlett, Inc., a licensed surveyor in the state of New York (License No. 049496), on July 12 and 28, 2003. The well locations and elevations were measured at the top of the well cover (top of manhole) and at the top of the well casing (top of casing). Figure 2 shows the surveyed locations and elevations of the wells.

The depth to water from the top of the manhole was measured and recorded to calculate the elevation of the groundwater table for each well. Figure 3 shows groundwater table elevations for each well (calculated from top of manhole). The elevations shown on the table and figure are relative to the Brooklyn Borough Datum (BBD), which is 1.177 feet above mean sea level (National Geodetic Vertical Datum 1929). The water table elevations varied from el. -0.18 BBD in MW6 to el. 2.6 BBD in MW11. An assessment was performed of the relative groundwater table elevations on the Greenpoint Lumber Yard Site to determine the groundwater flow direction. Groundwater predominantly flows in a westerly direction towards the East River and in a northerly direction towards Newtown Creek.

7.0 CONCLUSIONS

A total of 61 soil samples and 16 groundwater samples were collected during the 2001 Phase II Site Investigation (19 soil and 5 groundwater) and the 2003 Supplemental Subsurface (Phase II) Investigation (42 soil and 11 groundwater samples). The following conclusions can be made:

7.1 SOIL

No widespread contamination of soil was detected by these investigations on the Greenpoint Lumber Yard site. Other than exceedances of the TAGM RSCOs for individual SVOCs and metals with ranges typical of urban fill material, concentrations of contaminants were detected above their TAGM RSCOs in only two soil samples:

- B10 (5’-7’) – A total SVOC concentration of 4,691 ppm was detected in B10 (5’-7’). Due to the presence of lighter PAHs and phenols in this sample, the detected concentrations and compounds are typical of contamination by coal tar derivatives.
- B12 (0.5’-2’) - PCBs were detected in B12 (0.5’-2’) at a concentration of 1,280 ppb, above the TAGM RSCO of 1,000 ppm for surface samples. Four pesticides (4,4’-DDD; 4,4’-DDE; 4,4’-DDT and endrin) were detected in the same sample above their respective TAGM RSCOs.

Concentrations of total SVOCs were detected at levels approaching the TAGM RSCO of 500 ppm in two other borings: 419 ppm in B11 (1’-3’) and 472 ppm in MW4(0’-2’). Due to the presence of lighter PAHs in these samples, the detected concentrations and compounds are typical of waste oil contamination. Evidence of waste oil contamination was not detected in soil collected from deeper intervals in these samples or in groundwater collected from MW4, indicating that the petroleum contamination is likely vertically limited in both borings.

Metals were detected in concentrations typical of urban fill material in soil samples. Lead was detected above the upper limit of the average background level in metropolitan areas of 500 ppm in four soil samples: B8 (0.5’-2’), B11 (1’-3), B12 (0.5’-2’), B14 (2’-3.5’) and MW11 (0.5’-2’). The highest concentration of lead detected in these samples was 2,040 in sample B8 (0.5’-2’). Because no identified current or historical source of lead was identified in the Phase I Environmental Site Assessment, it is possible that these elevated lead values are attributable to

normal distribution in fill material, rather than to lead contamination. No volatile organic compounds were detected above TAGM RSCOs in any soil samples.

7.2 GROUNDWATER

No widespread contamination of groundwater was detected by these investigations, however, four localized areas of concern were identified:

- MW1 – One SVOC, naphthalene, was detected at a concentration of 18 ppb in MW1, above the Class GA Standard of 10 ppb. MW1 is located near a former gasoline pump and in an upgradient location on the Site. It is likely that the presence of naphthalene in the groundwater is due to leaking gasoline tanks associated with the pump.
- MW7 – Two VOCs, 4-Isopropyltoluene and benzene, were detected at concentrations of 7.2 ppb and 2 ppb, respectively, above the Class GA Standards of 5 ppb and 0.7 ppb, respectively. These detected compounds are common gasoline constituents. Additionally, one SVOC, phenol, was detected at a concentration of 7.4 ppb, above the Class GA Groundwater Standard of 1 ppb. MW7 is located in an upgradient location on the Site. It is possible that the presence of gasoline and or phenols in MW7 is due to off-Site sources.
- MW11 – One VOC, tetrachloroethylene, was detected at a concentration of 5.6 ppb, slightly above the Class GA Standard of 5.0 ppb. This compound is a common solvent used as a degreaser in auto-related businesses. The small one-story brick structure located directly east of boring location MW11 was formerly used for auto repair. MW11 is located in an upgradient location. Because of the upgradient location of MW11 and because of its proximity to an auto repair facility, this solvent contamination could have originated on- or off-Site.
- MW13A – Nine VOCs, 4-isopropyltoluene, benzene, 1,2,4-trimethylbenzene, ethylbenzene, M+P xylene, naphthalene, o-xylene, styrene, and toluene, were detected at concentrations above their respective Class GA Standards in MW13. These detected compounds are common gasoline constituents. Naphthalene was detected by EPA Method 8260 at a concentration of 700 ppb and by EPA Method 8260 at a concentration of 630 ppb. Both detected concentrations exceed the Class GA Groundwater Guidance Value (no Standard exists) of 10 ppb. MW13 is located in a downgradient location on the Site. The presence of gasoline contamination in MW13 may have resulted from on- or off-Site sources.

The concentrations of metals detected in groundwater samples are typical of those found in groundwater in urban areas and are not of concern. No pesticides or PCBs were detected in any of the groundwater samples.

7.3 SURVEY

The water table elevations varied from el. -0.18 BBD in MW6 to el. 2.60 BBD in MW11. Groundwater predominantly flows in a westerly direction towards the East River and in a northerly direction towards Newtown Creek.

7.4 SUMMARY

There was no widespread soil or groundwater contamination detected on the Greenpoint Lumber Yard site, based on the collection and analysis of 61 soil samples and 16 groundwater samples. Site conditions were found to be generally consistent with background conditions in urban waterfront areas reflecting the use of historic urban fill, including Queens West in Long Island City, Route 9A in Manhattan and west of Kent Avenue in Brooklyn. Two geographically isolated

areas of concern for soil contamination and four geographically isolated areas of concern for groundwater contamination were identified by these investigations. Groundwater flows predominantly in a westerly direction towards the East River and in a northerly direction towards Newtown Creek.

8.0 RECOMMENDATIONS

The extensive investigation undertaken for the site was based on the 100-year industrial history on the Greenpoint Lumber Yard Site. The investigatory program revealed only limited soil and groundwater contamination during two rounds of soil and groundwater sampling, which included the collection and analysis of 61 soil samples and 16 groundwater samples. Well-established procedures exist to address the areas of concern that were detected during subsurface testing. These areas of concern can be addressed prior to and/or during construction activities.

8.1 REGULATORY AGENCY INVOLVEMENT

Due to an active spill listing and a proposed rezoning of the site, it is anticipated that both State and City agencies will be involved with future development of the Greenpoint Lumber Yard Site.

8.1.1 State

In accordance with legal reporting requirements, a spill was reported to the New York State Department of Environmental Conservation (NYSDEC) for petroleum contamination in the vicinity of sampling location MW-1 in 2001. MW-1 is located near a former gasoline pump and associated underground storage tank(s). Soil sampling analytical results from the October 2001 subsurface investigation indicated elevated levels of semivolatile organic compounds above TAGM RSCOs for several compounds often associated with petroleum.

New York State provides petroleum-contaminated soil guidance policies in the Division of Environmental Remediation's DRAFT DER-10, Technical Guidance for Site Investigation and Remediation (December 2002) and in the TAGM 4046. Upon completion of remedial activities, which will likely constitute the excavation and proper off-site disposal of petroleum-contaminated soil from the vicinity of MW-1 and the collection and analysis of endpoint samples, a Spill Closure Report should be prepared and submitted to the NYS DEC Spill Coordinator for the active listing. It is possible that NYS DEC could require groundwater monitoring in the vicinity of the spill. When the spill has been remediated to the satisfaction of the State, a No Further Action letter for the spill will be issued and the spill listing will be effectively closed. In accordance with DER-10, the execution of an Administrative Order on Consent or Stipulation may be required by the State for the spill remediation. If additional areas of contamination are encountered during tank removal and/or general excavation activities, additional spills would need to be reported to New York State. Individual spill listings would be linked together and one Spill Closure Report could be submitted to the NYS DEC for the spill listings. Based on the results of the two subsurface investigations, no other New York State regulatory agency involvement would be required.

In addition to the remediation action discussed in Section 8.2, additional remedial actions, such as groundwater monitoring in locations of USTs and/or spills, vapor barriers beneath buildings, deed restrictions, etc., may be required by New York State through the Oil Spill Program.

8.1.2 City

New York City has proposed rezoning an area along the Brooklyn Waterfront that includes the Greenpoint Lumber Yard site. The rezoning action requires review under the City Environmental Quality Review (CEQR) process. It is anticipated that potential contaminated materials issues will be recognized for the Greenpoint Lumber Yard site and the individual lots that comprise the site will receive E-designations as a result of the rezoning. In accordance with Chapter 24 of Title 15 of the Rules of the City of New York, an E-designation requires that, prior to redevelopment, the property owner perform a Phase I Environmental Site Assessment (ESA), and/or a subsurface (Phase II) investigation (if recommended by the conclusions of the Phase I ESA), and/or remediation (if recommended by the conclusions of the Phase II investigation) with approval from and to the satisfaction of New York City Department of Environmental Protection (NYC DEP) before Building Permits and/or Certificates of Occupancy can be obtained from the New York City Department of Buildings.

Both the Phase I and Phase II, if required, must be completed and the Remedial Action Work Plan, if required, must be approved by NYC DEP before the New York City Department of Buildings will issue a Building Permit. Remediation may occur prior to or during general excavation. A Construction Health and Safety Plan must be submitted to NYC DEP and approved for implementation during general excavation activities, whether or not remedial activities have been completed.

After completion of the requirements of the Remediation Action Work Plan, a Closure Report must be submitted to NYC DEP. This report would contain any characterization sampling results for soil disposed of off-site; acceptance letters from disposal facilities; manifests for disposal of contaminated soil, if any; as-built site drawings showing final depth of excavation and vapor barrier specifications, if any; and documentation that any remedial activities performed during general excavation were completed in accordance with the NYC DEP-approved Remedial Action Work Plan. The report must also be certified by a licensed Professional Engineer. Once NYC DEP is satisfied that the investigation and/or remediation are complete, a Notice of Satisfaction will be issued, allowing the property owner to obtain a Certificate of Occupancy. If remedial activities, such as ongoing monitoring of groundwater or capping of a site, continue beyond completion of the project, then NYC DEP may require a Restrictive Declaration.

It has been our experience on sites similar to the Greenpoint Lumber Yard site, where a Phase I and Phase II have already been performed, that the final reports for these studies can be submitted to NYC DEP for review and approval. It is likely that NYC DEP will require further investigation to confirm the findings of the two subsurface investigations. Based on the results of the Phase II investigations, it is anticipated that remediation, as described in Section 8.2, could take place during site preparation work for the proposed project.

8.2 REMEDIATION

Based on our experience with City-approved remediations, we anticipate the following measures would be required by NYC DEP for the Greenpoint Lumber Yard Site:

- **Soil Hotspots and Underground Storage Tank Removal.** NYC DEP will likely require the removal of the two hotspots identified in the two subsurface investigations and the underground storage tank (UST) located near MW-1 and other USTs noted in the Phase I

ESA. Tank contents and affected soil that is removed from the hotspot and UST locations would require appropriate off-site disposal and a licensed facility. Confirmatory endpoint samples would be collected from the sidewalls and base of the excavations. Disposal manifests and endpoint sampling results would be submitted to NYC DEP in a Remedial Action Report, if remedial activities occur prior to construction, or in a Closure Report, if remedial activities occur during general excavation. These reports would also be submitted to the State Spills Group.

- **Capping.** It is possible that NYC DEP would require capping of the entire Greenpoint Lumber Yard site with either paved surfaces and/or building foundations or two feet of imported clean fill material in landscaped areas to eliminate the exposure pathways of ingestion and/or inhalation of contaminants that may remain in the ground after the project is complete.

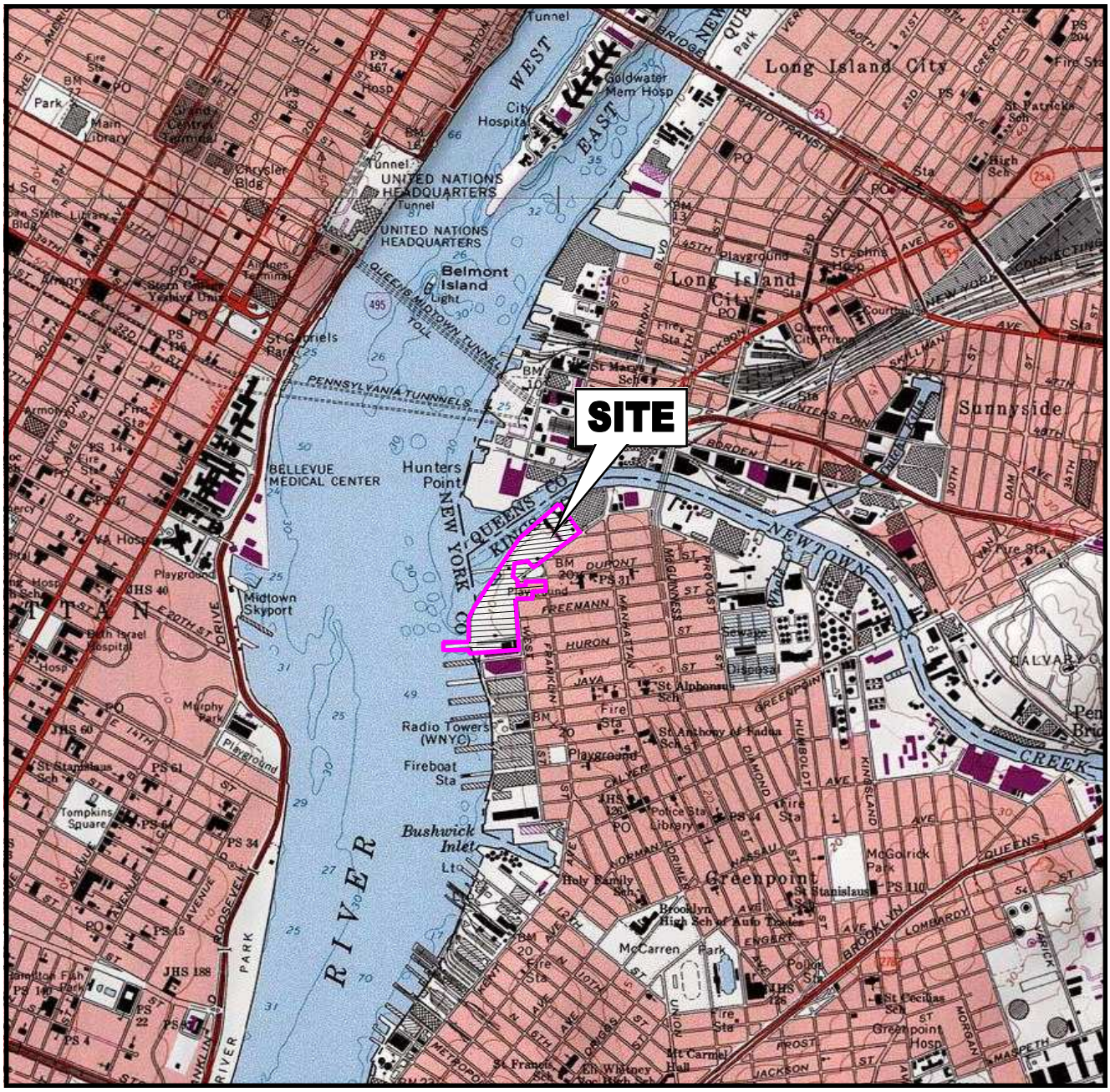
NYC DEP will also require a Construction Health and Safety Plan (see Section 8.1.2) prior to commencement of construction for the proposed project. The Construction Health and Safety Plan (CHASP) will be tailored specifically to the proposed development on the Greenpoint Lumber Yard site and will establish practices and procedures to protect the health of construction personnel and others during implementation of work involving potential or known contamination on the site. It will include contingencies for the identification and mitigation of USTs, drums or areas of contamination. The CHASP will be in conformance with the various Occupational Safety and Health Administration (OSHA) standards and NYC DEP requirements.

During general excavation, all soil removed from the site must be managed and disposed of in accordance with applicable federal, state and local regulations. Based on sampling results from the two subsurface investigations, none of the soil tested to date is a hazardous waste. Areas of contamination may require disposal as petroleum-contaminated or non-hazardous contaminated material. Most of the soil on the site, however, will likely be disposed of as construction and demolition debris.

Based on our experience, groundwater remediation is not anticipated. The Class GA exceedances that were detected in four of the groundwater sampling locations during the two subsurface investigations were very slight. The types and levels of detected contaminants are not indicative of contamination from former on-site uses as a chemical factory or lumber yard and are not unusual for urban areas. As such, contamination in three of the four wells (MW-7, MW-11 and MW-13) may result from off-site sources. The contamination in MW-1, located near a former gasoline pump and associated underground storage tank(s), is indicative of gasoline and it likely a result of leaks from the proximate pump and tank system. Although remediation is not anticipated, groundwater monitoring may be required by the State in areas where spills have been reported to assure that the removal of the source has led to the improvement or stabilization of the limited groundwater contamination.

Additional remedial actions, such as groundwater monitoring in locations of USTs and/or spills, vapor barriers beneath buildings, deed restrictions, etc., may be required by New York Site through the Oil Spill Program and/or the Brownfields Program.

FIGURES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Midtown Skyport
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Fireboat Sta
Bushwick Inlet
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Brooklyn High Sch of Auto Trades
Greenpoint Hosp
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St Carmel Hall
St Francis Sch
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Police Sta
Library
Sewage Disposal
St Alphonsus Sch
St Anthony of Padua Sch
St Stanislaus
St Patricks Sch
High Sch
Queens Civil Prison
St Mary's Sch
St Gabriels Rectory
Beth Israel Hospital
Murphy Park
Hamilton Fish Park
Armory
Port Authority Bus Terminal
Grand Central Terminal
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Sewage Disposal
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Manhattan
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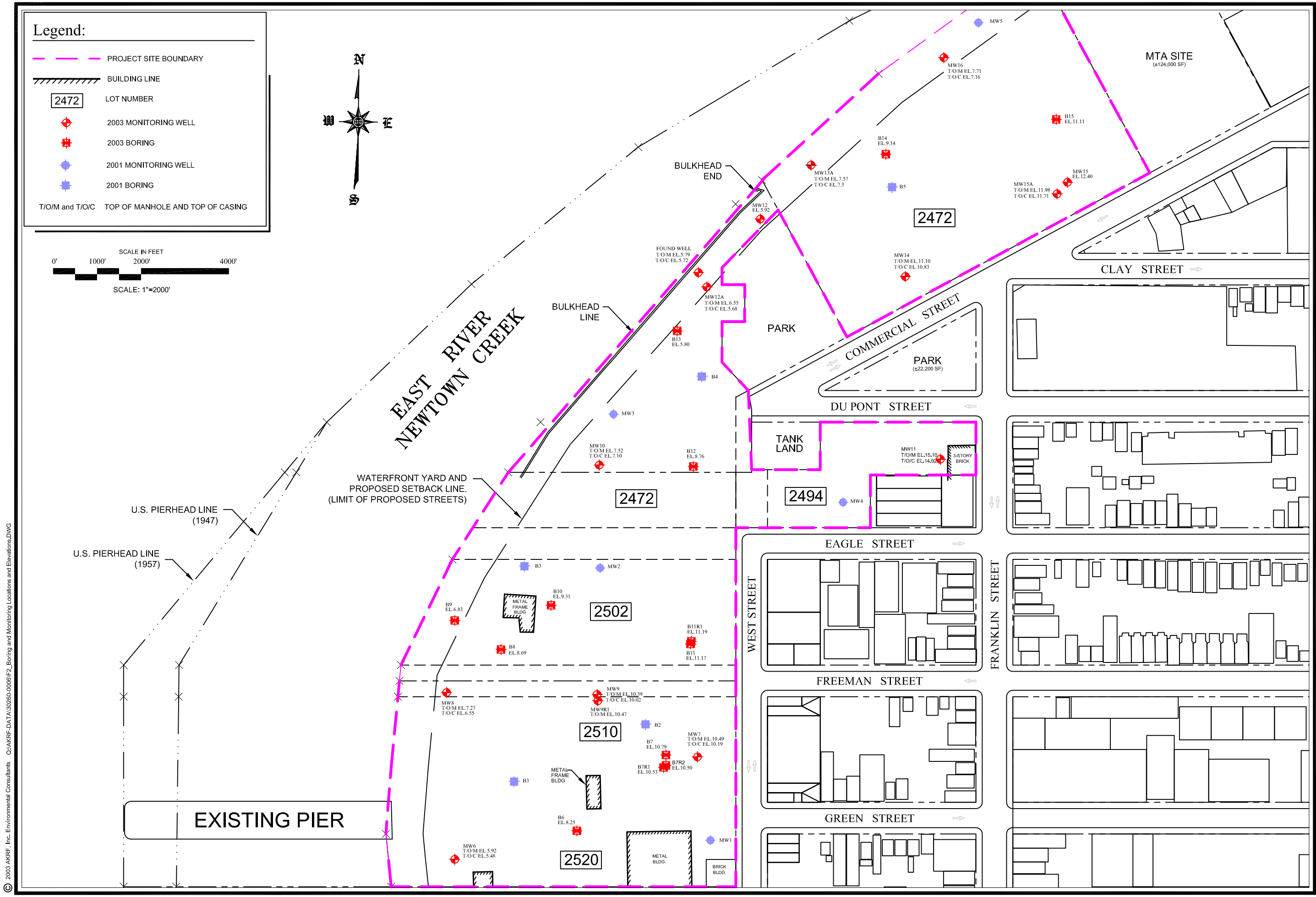
Hundred-Twelve-Hundred-Ninety-Fifth
Hundred-Twelve-Hundred-Ninety-Sixth
Hundred-Twelve-Hundred-Ninety-Seventh
Hundred-Twelve-Hundred-Ninety-Eighth
Hundred-Twelve-Hundred-Ninety-Ninth
Hundred-Thirteen-Hundred-Fifth
Hundred-Thirteen-Hundred-Sixth
Hundred-Thirteen-Hundred-Seventh
Hundred-Thirteen-Hundred-Eighth
Hundred-Thirteen-Hundred-Ninth
Hundred-Thirteen-Hundred-Tenth
Hundred-Thirteen-Hundred-Eleventh
Hundred-Thirteen-Hundred-Twelfth
Hundred-Thirteen-Hundred-Thirteenth
Hundred-Thirteen-Hundred-Fifteenth
Hundred-Thirteen-Hundred-Sixteenth
Hundred-Thirteen-Hundred-Seventeenth
Hundred-Thirteen-Hundred-Eighteenth
Hundred-Thirteen-Hundred-Nineteenth
Hundred-Thirteen-Hundred-Twenty-Fifth
Hundred-Thirteen-Hundred-Twenty-Sixth
Hundred-Thirteen-Hundred-Twenty-Seventh
Hundred-Thirteen-Hundred-Twenty-Eighth
Hundred-Thirteen-Hundred-Twenty-Ninth
Hundred-Thirteen-Hundred-Thirty-Fifth
Hundred-Thirteen-Hundred-Thirty-Sixth
Hundred-Thirteen-Hundred-Thirty-Seventh
Hundred-Thirteen-Hundred-Thirty-Eighth
Hundred-Thirteen-Hundred-Thirty-Ninth
Hundred-Thirteen-Hundred-Forty-Fifth
Hundred-Thirteen-Hundred-Forty-S



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GREENPOINT LUMBER YARD
Brooklyn, New York

BORING AND MONITORING LOCATIONS AND ELEVATIONS

DATE	09.03.03
SCALE	1"=2000'
PROJECT No.	30260
FIGURE No.	2

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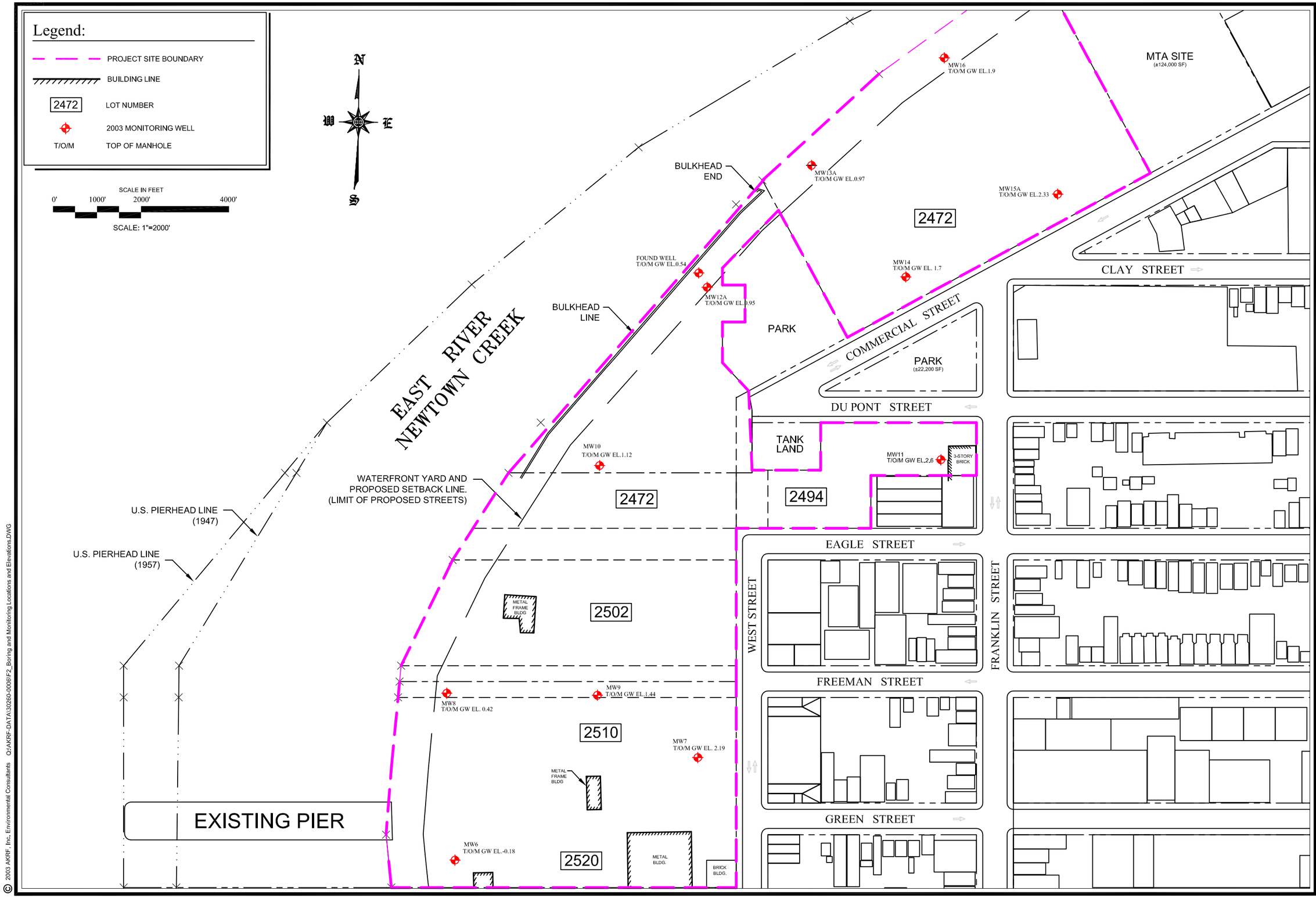

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GREENPOINT LUMBER YARD
Brooklyn, New York

GROUNDWATER TABLE ELEVATIONS

DATE	09.03.03
SCALE	1"=2000'
PROJECT No.	30260
FIGURE No.	3

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TABLES

Table 17: Semivolatile Organic Compounds in Groundwater Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	NYS DEC Class GA Ambient Water Qual. Standards ug/L	MW1 Groundwater ug/L Dilution 5		MW2 Groundwater ug/L Dilution 5		MW3 Groundwater ug/L Dilution 5		MW4 Groundwater ug/L Dilution 5		MW5 Groundwater ug/L Dilution 5	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	**50	U	5	U	5	U	5	U	5	U	5
N-Nitrosodimethylamine	62-75-9	*	U	5	U	5	U	5	U	5	U	5
Aniline	62-53-3	5	U	5	U	5	U	5	U	5	U	5
Bis(2-chloroethyl)ether	111-44-4	1	U	5	U	5	U	5	U	5	U	5
Phenol	108-95-1	1	U	5	U	5	U	5	U	5	U	5
2-Chlorophenol	95-57-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	5	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	5	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	4.7	U	5	U	5	U	5	U	5	U	5
Benzyl Alcohol	100-51-6	*	U	5	U	5	U	5	U	5	U	5
Bis(2-chloroisopropyl)ether	108-60-1	*	U	5	U	5	U	5	U	5	U	5
2-Methylphenol	95-48-7	*	U	5	U	5	U	5	U	5	U	5
Hexachloroethane	67-72-1	*	U	5	U	5	U	5	U	5	U	5
N-Nitrosodi-n-propylamine	621-64-7	*	U	5	U	5	U	5	U	5	U	5
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	5	U	5	U	5	U	5	U	5
Nitrobenzene	98-95-3	5	U	5	U	5	U	5	U	5	U	5
Isophorone	78-59-1	50*	U	5	U	5	U	5	U	5	U	5
2- Nitrophenol	88-75-5	*	U	5	U	5	U	5	U	5	U	5
2,4-Dimethylphenol	105-67-9	*	U	5	U	5	U	5	U	5	U	5
Benzoic Acid	65-85-0	*	U	5	U	5	U	5	U	5	U	5
Bis(2-chloroethoxy)methane	111-91-1	*	U	5	U	5	U	5	U	5	U	5
2,4-Dichlorophenol	102-83-2	1	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	5	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	**10	18	5	U	5	U	5	U	5	U	5
4-Chloroaniline	106-47-8	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	5	U	5	U	5	U	5	U	5	U	5
4-Chloro-3-methylphenol	59-50-7	*	U	5	U	5	U	5	U	5	U	5
2-Methylnaphthalene	91-57-6	*	U	5	U	5	U	5	U	5	U	5
Hexachlorocyclopentadiene	77-47-4	5	U	5	U	5	U	5	U	5	U	5
2,4,5-Trichlorophenol	95-95-4	*	U	5	U	5	U	5	U	5	U	5
2,4,6-Trichlorophenol	88-06-2	*	U	5	U	5	U	5	U	5	U	5
2-Chloronaphthalene	91-58-7	**10	U	5	U	5	U	5	U	5	U	5
2-Nitroaniline	88-74-4	*	U	5	U	5	U	5	U	5	U	5
Acenaphthylene	208-96-8	*	U	5	U	5	U	5	U	5	U	5
Dimethyl Phthalate	131-11-3	*50	U	5	U	5	U	5	U	5	U	5

Table 17: Semivolatile Organic Compounds in Groundwater Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	NYS DEC Class GA Ambient Water Qual. Standards ug/L	MW1 Groundwater ug/L Dilution 5		MW2 Groundwater ug/L Dilution 5		MW3 Groundwater ug/L Dilution 5		MW4 Groundwater ug/L Dilution 5		MW5 Groundwater ug/L Dilution 5	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
2,6-Dinitrotoluene	606-20-2	5	U	5	U	5	U	5	U	5	U	5
Acenaphthene	83-32-9	**20	U	5	U	5	U	5	U	5	U	5
3-Nitroaniline	99-09-2	*	U	5	U	5	U	5	U	5	U	5
2,4-Dinitrophenol	51-28-5	*	U	5	U	5	U	5	U	5	U	5
Dibenzofuran	132-64-9	*	U	5	U	5	U	5	U	5	U	5
2,4-Dinitrotoluene	121-14-2	*	U	5	U	5	U	5	U	5	U	5
4-Nitrophenol	100-02-7	*	U	5	U	5	U	5	U	5	U	5
Fluorene	86-73-7	**50	U	5	U	5	U	5	U	5	U	5
4-Chlorophenyl phenyl ether	7005-72-3	*	U	5	U	5	U	5	U	5	U	5
Azobenzene	103-33-3	*	U	5	U	5	U	5	U	5	U	5
Diethyl Phthalate	84-66-2	**50	U	5	U	5	U	5	U	5	U	5
4-Nitroaniline	100-01-6	*	U	5	U	5	U	5	U	5	U	5
4,6-Dinitro-2-methylphenol	534-52-1	*	U	5	U	5	U	5	U	5	U	5
N-Nitrosodiphenylamine	86-30-6	**50	U	5	U	5	U	5	U	5	U	5
4-Bromophenyl phenyl ether	101-55-3	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobenzene	118-74-1	0.35	U	5	U	5	U	5	U	5	U	5
Pentachlorophenol	87-86-5	1	U	5	U	5	U	5	U	5	U	5
Phenanthrene	85-01-8	**50	U	5	U	5	U	5	U	5	U	5
Anthracene	120-12-7	**50	U	5	U	5	U	5	U	5	U	5
Carbazole	86-74-8	*	U	5	U	5	U	5	U	5	U	5
Di-n-butyl Phthalate	84-74-2	50	U	5	U	5	U	5	U	5	U	5
Fluoranthene	206-44-0	**50	U	5	U	5	U	5	U	5	U	5
Benzidine	92-87-5	5	U	5	U	5	U	5	U	5	U	5
Pyrene	129-00-0	**50	U	5	U	5	U	5	U	5	U	5
Butyl benzyl Phthalate	85-68-7	**50	U	5	U	5	U	5	U	5	U	5
3,3´-Dichlorobenzidine	91-94-1	*	U	5	U	5	U	5	U	5	U	5
Benzo(a)anthracene	56-55-3	**0.002	U	5	U	5	U	5	U	5	U	5
Chrysene	218-01-9	**0.002	U	5	U	5	U	5	U	5	U	5
Bis(2-ethylhexyl)Phthalate	117-81-7	50	U	5	U	5	U	5	U	5	U	5
Di-n-octyl Phthalate	117-84-0	**50	U	5	U	5	U	5	U	5	U	5
Benzo(b)fluoranthene	205-99-2	**0.002	U	5	U	5	U	5	U	5	U	5
Benzo(k)fluoranthene	207-08-9	**0.002	U	5	U	5	U	5	U	5	U	5
Benzo(a)pyrene	50-32-8	*	U	5	U	5	U	5	U	5	U	5
Indeno(1,2,3-c,d)pyrene	193-39-5	**0.002	U	5	U	5	U	5	U	5	U	5
Dibenzo(a,h)anthracene	53-70-3	*	U	5	U	5	U	5	U	5	U	5
Benzo(g,h,i)perylene	191-24-2	*	U	5	U	5	U	5	U	5	U	5

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B1 [1'-2'] Soil ug/kg Dilution 1		B1 [4'-5'] Soil ug/kg Dilution 1		B2 [0'-1'] Soil ug/kg Dilution 1		B3 [1'-3'] Soil ug/kg Dilution 2		B3 [8'-10'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	*	U	40	U	40	U	40	U	80	U	80
N-Nitrosodimethylamine	62-75-9	*	U	40	U	40	U	40	U	80	U	80
Aniline	62-53-3	1,000	U	40	U	40	U	40	U	80	U	80
Bis(2-chloroethyl)ether	111-44-4	*	U	40	U	40	U	40	U	80	U	80
Phenol	108-95-1	30 or MDL	U	40	U	40	U	40	U	80	U	80
2-Chlorophenol	95-57-8	800	U	40	U	40	U	40	U	80	U	80
1,3-Dichlorobenzene	541-73-1	1,600	U	40	U	40	U	40	U	80	U	80
1,4-Dichlorobenzene	106-46-7	8,500	U	40	U	40	U	40	U	80	U	80
1,2-Dichlorobenzene	95-50-1	7,900	U	40	U	40	U	40	U	80	U	80
Benzyl Alcohol	100-51-6	*	U	40	U	40	U	40	U	80	U	80
Bis(2-chloroisopropyl)ether	108-60-1	*	U	40	U	40	U	40	U	80	U	80
2-Methylphenol	95-48-7	100 or MDL	U	40	U	40	U	40	U	80	U	80
Hexachloroethane	67-72-1	*	U	40	U	40	U	40	U	80	U	80
N-Nitrosodi-n-propylamine	621-64-7	*	U	40	U	40	U	40	U	80	U	80
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	40	U	40	U	40	U	80	U	80
Nitrobenzene	98-95-3	200 or MDL	U	40	U	40	U	40	U	80	U	80
Isophorone	78-59-1	4,400	U	40	U	40	U	40	U	80	U	80
2- Nitrophenol	88-75-5	330 or MDL	U	40	U	40	U	40	U	80	U	80
2,4-Dimethylphenol	105-67-9	*	U	40	U	40	U	40	U	80	U	80
Benzoic Acid	65-85-0	2,700	280	40	U	70	U	70	U	140	U	140
Bis(2-chloroethoxy)methane	111-91-1	*	U	40	U	40	U	40	U	80	U	80
2,4-Dichlorophenol	102-83-2	400	U	40	U	40	U	40	U	80	U	80
1,2,4-Trichlorobenzene	120-82-1	3,400	U	40	U	40	U	40	U	80	U	80
Naphthalene	91-20-3	13,000	110	40	U	40	U	40	460	--	87	--
4-Chloroaniline	106-47-8	220 or MDL	U	40	U	40	U	40	U	80	U	80
Hexachlorobutadiene	87-68-3	*	U	40	U	40	U	40	U	80	U	80
4-Chloro-3-methylphenol	59-50-7	240 or MDL	U	40	U	40	U	40	U	80	U	80
2-Methylnaphthalene	91-57-6	36,400	130	40	95	--	100	NA	1,200	--	U	80
Hexachlorocyclopentadiene	77-47-4	*	U	40	U	40	U	40	U	80	U	80
2,4,5-Trichlorophenol	95-95-4	*	U	40	U	40	U	40	U	80	U	80
2,4,6-Trichlorophenol	88-06-2	1,000	U	40	U	40	U	40	U	80	U	80
2-Chloronaphthalene	91-58-7	*	U	40	U	40	U	40	U	80	U	80
2-Nitroaniline	88-74-4	430 or MDL	U	40	U	40	U	40	U	80	U	80
Acenaphthylene	208-96-8	41,000	U	40	U	40	150	NA	120	--	U	80
Dimethyl Phthalate	131-11-3	2,000	U	40	U	40	U	40	U	80	U	80
2,6-Dinitrotoluene	606-20-2	1,000	U	40	U	40	U	40	U	80	U	80

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B1 [1'-2'] Soil ug/kg Dilution 1		B1 [4'-5'] Soil ug/kg Dilution 1		B2 [0'-1'] Soil ug/kg Dilution 1		B3 [1'-3'] Soil ug/kg Dilution 2		B3 [8'-10'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Acenaphthene	83-32-9	50,000	U	40	U	40	240	NA	80	--	170	--
3-Nitroaniline	99-09-2	0.5 or MDL	U	40	U	40	U	40	U	80	U	80
2,4-Dinitrophenol	51-28-5	200 or MDL	U	70	U	70	U	70	U	140	U	140
Dibenzofuran	132-64-9	6,200	U	40	U	40	U	40	170	--	95	--
2,4-Dinitrotoluene	121-14-2	1,000	U	40	U	40	U	40	U	80	U	80
4-Nitrophenol	100-02-7	100 or MDL	U	50	U	50	U	50	U	100	U	100
Fluorene	86-73-7	50,000	U	40	U	40	320	NA	280	--	140	--
4-Chlorophenyl phenyl ether	7005-72-3	*	U	40	U	40	U	40	U	80	U	80
Azobenzene	103-33-3	*	U	40	U	40	U	40	U	80	U	80
Diethyl Phthalate	84-66-2	7,100	U	40	U	40	U	40	U	80	U	80
4-Nitroaniline	100-01-6	*	U	50	U	50	U	50	U	100	U	100
4,6-Dinitro-2-methylphenol	534-52-1	*	U	40	U	40	U	40	U	80	U	80
N-Nitrosodiphenylamine	86-30-6	*	U	40	U	40	U	40	U	80	U	80
4-Bromophenyl phenyl ether	101-55-3	*	U	40	U	40	U	40	U	80	U	80
Hexachlorobenzene	118-74-1	410	U	40	U	40	U	40	U	80	U	80
Pentachlorophenol	87-86-5	1,000 or MDL	U	60	U	60	U	60	U	120	U	120
Phenanthrene	85-01-8	50,000	170	--	160	--	3,900	--	1,400	--	1,500	--
Anthracene	120-12-7	50,000	45	--	U	40	980	--	260	--	380	--
Carbazole	86-74-8	*	U	40	U	40	210	--	90	--	110	--
Di-n-butyl Phthalate	84-74-2	8,100	U	40	U	40	U	40	110	--	U	80
Fluoranthene	206-44-0	50,000	230	--	150	--	5,600	--	1,100	--	2,100	--
Benzidine	92-87-5	*	U	40	U	40	U	40	U	80	U	80
Pyrene	129-00-0	50,000	290	--	220	--	7,800	--	990	--	2,100	--
Butyl benzyl Phthalate	85-68-7	50,000	U	40	U	40	U	40	U	80	U	80
3,3'-Dichlorobenzidine	91-94-1	n/a	U	40	U	40	U	40	U	80	U	80
Benzo(a)anthracene	56-55-3	224 or MDL	140	--	110	--	4,000	--	570	--	970	--
Chrysene	218-01-9	400	160	--	140	--	4,400	--	740	--	1,000	--
Bis(2-ethylhexyl)Phthalate	117-81-7	50,000	730	--	840	--	440	--	110	--	460	--
Di-n-octyl Phthalate	117-84-0	50,000	U	40	U	40	U	40	U	80	U	80
Benzo(b)fluoranthene	205-99-2	1,100	270	--	260	--	6,000	--	520	--	940	--
Benzo(k)fluoranthene	207-08-9	1,100	280	--	270	--	6,400	--	360	--	670	--
Benzo(a)pyrene	50-32-8	61 or MDL	170	--	150	--	3,800	--	500	--	950	--
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200	U	40	96	--	540	--	310	--	550	--
Dibenzo(a,h)anthracene	53-70-3	14 or MDL	U	40	U	40	1,100	--	110	--	150	--
Benzo(g,h,i)perylene	191-24-2	50,000	170	--	100	--	2,800	--	340	--	620	--
TOTAL SVOCs			3,175		2,591		48,780		9,820		12,992	

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**
NA Not Analyzed

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B4 [2'-4'] Soil ug/kg Dilution 1		B4 [6'-8'] Soil ug/kg Dilution 5		B5 [2'-4'] Soil ug/kg Dilution 2		B5 [5'-7'] Soil ug/kg Dilution 10, 500		MW1 [5'-6'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	*	U	40	U	40	U	40	U	40	U	40
N-Nitrosodimethylamine	62-75-9	*	U	40	U	40	U	40	U	40	U	40
Aniline	62-53-3	1,000	U	40	U	40	U	40	U	40	U	40
Bis(2-chloroethyl)ether	111-44-4	*	U	40	U	40	U	40	U	40	U	40
Phenol	108-95-1	30 or MDL	U	40	U	40	U	40	U	40	U	40
2-Chlorophenol	95-57-8	800	U	40	U	40	U	40	U	40	U	40
1,3-Dichlorobenzene	541-73-1	1,600	U	40	U	40	U	40	U	40	U	40
1,4-Dichlorobenzene	106-46-7	8,500	U	40	U	40	U	40	U	40	U	40
1,2-Dichlorobenzene	95-50-1	7,900	U	40	U	40	U	40	U	40	U	40
Benzyl Alcohol	100-51-6	*	U	40	U	40	U	40	U	40	U	40
Bis(2-chloroisopropyl)ether	108-60-1	*	U	40	U	40	U	40	U	40	U	40
2-Methylphenol	95-48-7	100 or MDL	U	40	U	40	U	40	U	40	U	40
Hexachloroethane	67-72-1	*	U	40	U	40	U	40	U	40	U	40
N-Nitrosodi-n-propylamine	621-64-7	*	U	40	U	40	U	40	U	40	U	40
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	40	U	40	U	40	U	40	U	40
Nitrobenzene	98-95-3	200 or MDL	U	40	U	40	U	40	U	40	U	40
Isophorone	78-59-1	4,400	U	40	U	40	U	40	U	40	U	40
2- Nitrophenol	88-75-5	330 or MDL	U	40	U	40	U	40	U	40	U	40
2,4-Dimethylphenol	105-67-9	*	U	40	U	40	U	40	U	40	U	40
Benzoic Acid	65-85-0	2,700	U	70	U	70	U	70	200	70	230	70
Bis(2-chloroethoxy)methane	111-91-1	*	U	40	U	40	U	40	U	40	U	40
2,4-Dichlorophenol	102-83-2	400	U	40	U	40	U	40	U	40	U	40
1,2,4-Trichlorobenzene	120-82-1	3,400	U	40	U	40	U	40	U	40	U	40
Naphthalene	91-20-3	13,000	U	40	U	40	U	40	U	40	U	40
4-Chloroaniline	106-47-8	220 or MDL	U	40	U	40	U	40	U	40	U	40
Hexachlorobutadiene	87-68-3	*	U	40	U	40	U	40	U	40	U	40
4-Chloro-3-methylphenol	59-50-7	240 or MDL	U	40	U	40	U	40	U	40	U	40
2-Methylnaphthalene	91-57-6	36,400	U	40	U	40	U	40	28	40	U	40
Hexachlorocyclopentadiene	77-47-4	*	U	40	U	40	U	40	U	40	U	40
2,4,5-Trichlorophenol	95-95-4	*	U	40	U	40	U	40	U	40	U	40
2,4,6-Trichlorophenol	88-06-2	1,000	U	40	U	40	U	40	U	40	U	40
2-Chloronaphthalene	91-58-7	*	U	40	U	40	U	40	U	40	U	40
2-Nitroaniline	88-74-4	430 or MDL	U	40	U	40	U	40	U	40	U	40
Acenaphthylene	208-96-8	41,000	U	40	U	40	U	40	U	40	U	40
Dimethyl Phthalate	131-11-3	2,000	U	40	U	40	U	40	U	40	U	40
2,6-Dinitrotoluene	606-20-2	1,000	U	40	U	40	U	40	U	40	U	40

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B4 [2'-4'] Soil ug/kg Dilution 1		B4 [6'-8'] Soil ug/kg Dilution 5		B5 [2'-4'] Soil ug/kg Dilution 2		B5 [5'-7'] Soil ug/kg Dilution 10, 500		MW1 [5'-6'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Acenaphthene	83-32-9	50,000	U	40	U	40	U	40	53	40	U	40
3-Nitroaniline	99-09-2	0.5 or MDL	U	40	U	40	U	40	U	40	U	40
2,4-Dinitrophenol	51-28-5	200 or MDL	U	70	U	70	U	70	U	70	U	70
Dibenzofuran	132-64-9	6,200	U	40	U	40	U	40	47	40	U	40
2,4-Dinitrotoluene	121-14-2	1,000	U	40	U	40	U	40	U	40	U	40
4-Nitrophenol	100-02-7	100 or MDL	U	50	U	50	U	50	U	50	U	50
Fluorene	86-73-7	50,000	U	40	U	40	U	40	61	40	U	40
4-Chlorophenyl phenyl ether	7005-72-3	*	U	40	U	40	U	40	U	40	U	40
Azobenzene	103-33-3	*	U	40	U	40	U	40	U	40	U	40
Diethyl Phthalate	84-66-2	7,100	U	40	U	40	U	40	U	40	U	40
4-Nitroaniline	100-01-6	*	U	50	U	50	U	50	U	50	U	50
4,6-Dinitro-2-methylphenol	534-52-1	*	U	40	U	40	U	40	U	40	U	40
N-Nitrosodiphenylamine	86-30-6	*	U	40	U	40	U	40	U	40	U	40
4-Bromophenyl phenyl ether	101-55-3	*	U	40	U	40	U	40	U	40	U	40
Hexachlorobenzene	118-74-1	410	U	40	U	40	U	40	U	40	U	40
Pentachlorophenol	87-86-5	1,000 or MDL	U	60	U	60	U	60	U	60	U	60
Phenanthrene	85-01-8	50,000	640	--	U	40	120	40	570	40	U	40
Anthracene	120-12-7	50,000	130	40	U	40	U	40	130	40	U	40
Carbazole	86-74-8	*	U	40	U	40	U	40	60	40	U	40
Di-n-butyl Phthalate	84-74-2	8,100	U	40	U	40	U	40	U	40	U	40
Fluoranthene	206-44-0	50,000	1,500	--	U	40	150	40	490	40	U	40
Benzidine	92-87-5	*	U	40	U	40	U	40	U	40	U	40
Pyrene	129-00-0	50,000	2,700	--	U	40	200	40	460	40	U	40
Butyl benzyl Phthalate	85-68-7	50,000	U	40	U	40	U	40	U	40	U	40
3,3'-Dichlorobenzidine	91-94-1	n/a	U	40	U	40	U	40	U	40	U	40
Benzo(a)anthracene	56-55-3	224 or MDL	1,200	--	U	40	87	40	220	40	U	40
Chrysene	218-01-9	400	1,400	--	U	--	110	--	220	--	U	40
Bis(2-ethylhexyl)Phthalate	117-81-7	50,000	U	40	220	--	2,400	--	2,500	--	2,200	--
Di-n-octyl Phthalate	117-84-0	50,000	U	40	U	40	U	40	U	40	U	40
Benzo(b)fluoranthene	205-99-2	1,100	1,800	--	U	40	120	40	300	40	U	40
Benzo(k)fluoranthene	207-08-9	1,100	1,900	--	U	40	130	40	310	40	U	40
Benzo(a)pyrene	50-32-8	61 or MDL	1,300	--	U	40	92	40	220	40	U	40
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200	1,100	--	U	40	69	40	150	40	U	40
Dibenzo(a,h)anthracene	53-70-3	14 or MDL	100	40	U	40	U	40	220	40	U	40
Benzo(g,h,i)perylene	191-24-2	50,000	1,200	--	U	40	94	40	170	40	U	40
TOTAL SVOCs			14,970		220		3,572		6,409		2,430	

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**
NA Not Analyzed

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW1 [8'-9'] Soil ug/kg Dilution 8,80		MW2 [5'-7'] Soil ug/kg Dilution 1		MW2[9'-11'] Soil ug/kg Dilution 1		MW3 [0'-2'] Soil ug/kg Dilution 1		MW3 [5'-7'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	*	U	40	U	40	U	40	U	80	U	320
N-Nitrosodimethylamine	62-75-9	*	U	40	U	40	U	40	U	80	U	320
Aniline	62-53-3	1,000	U	40	U	40	U	40	U	80	U	320
Bis(2-chloroethyl)ether	111-44-4	*	U	40	U	40	U	40	U	80	U	320
Phenol	108-95-1	30 or MDL	U	40	U	40	U	40	U	80	U	320
2-Chlorophenol	95-57-8	800	U	40	U	40	U	40	U	80	U	320
1,3-Dichlorobenzene	541-73-1	1,600	U	40	U	40	U	40	U	80	U	320
1,4-Dichlorobenzene	106-46-7	8,500	U	40	U	40	U	40	U	80	U	320
1,2-Dichlorobenzene	95-50-1	7,900	U	40	U	40	U	40	U	80	U	320
Benzyl Alcohol	100-51-6	*	U	40	U	40	U	40	U	80	U	320
Bis(2-chloroisopropyl)ether	108-60-1	*	U	40	U	40	U	40	U	80	U	320
2-Methylphenol	95-48-7	100 or MDL	U	40	220	40	U	40	U	80	U	320
Hexachloroethane	67-72-1	*	U	40	U	40	U	40	U	80	U	320
N-Nitrosodi-n-propylamine	621-64-7	*	U	40	U	40	U	40	U	80	U	320
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	40	U	40	U	40	U	80	U	320
Nitrobenzene	98-95-3	200 or MDL	U	40	U	40	U	40	U	80	U	320
Isophorone	78-59-1	4,400	U	40	U	40	U	40	U	80	U	320
2- Nitrophenol	88-75-5	330 or MDL	U	40	U	40	U	40	U	80	U	320
2,4-Dimethylphenol	105-67-9	*	U	40	U	40	U	40	U	80	U	320
Benzoic Acid	65-85-0	2,700	U	70	U	70	U	70	190	140	U	320
Bis(2-chloroethoxy)methane	111-91-1	*	U	40	U	40	U	40	U	80	U	320
2,4-Dichlorophenol	102-83-2	400	U	40	U	40	U	40	U	80	U	320
1,2,4-Trichlorobenzene	120-82-1	3,400	U	40	U	40	U	40	U	80	U	320
Naphthalene	91-20-3	13,000	110	40	U	40	74	40	U	80	3,800	--
4-Chloroaniline	106-47-8	220 or MDL	U	40	U	40	U	40	U	80	U	320
Hexachlorobutadiene	87-68-3	*	U	40	U	40	U	40	U	80	U	320
4-Chloro-3-methylphenol	59-50-7	240 or MDL	U	40	U	40	U	40	U	80	U	320
2-Methylnaphthalene	91-57-6	36,400	88	40	590	40	56	40	U	80	1,500	--
Hexachlorocyclopentadiene	77-47-4	*	U	40	U	40	U	40	U	80	U	320
2,4,5-Trichlorophenol	95-95-4	*	U	40	U	40	U	40	U	80	U	320
2,4,6-Trichlorophenol	88-06-2	1,000	U	40	U	40	U	40	U	80	U	320
2-Chloronaphthalene	91-58-7	*	U	40	U	40	U	40	U	80	U	320
2-Nitroaniline	88-74-4	430 or MDL	U	40	U	40	U	40	U	80	U	320
Acenaphthylene	208-96-8	41,000	U	40	170	40	68	40	170	80	620	--
Dimethyl Phthalate	131-11-3	2,000	U	40	U	40	U	40	U	80	U	320
2,6-Dinitrotoluene	606-20-2	1,000	U	40	U	40	U	40	U	80	U	320

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW1 [8'-9'] Soil ug/kg Dilution 8,80		MW2 [5'-7'] Soil ug/kg Dilution 1		MW2[9'-11'] Soil ug/kg Dilution 1		MW3 [0'-2'] Soil ug/kg Dilution 1		MW3 [5'-7'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Acenaphthene	83-32-9	50,000	100	40	270	40	140	40	200	--	3,800	--
3-Nitroaniline	99-09-2	0.5 or MDL	U	40	U	40	U	40	U	80	U	320
2,4-Dinitrophenol	51-28-5	200 or MDL	U	70	U	70	U	70	U	140	U	560
Dibenzofuran	132-64-9	6,200	46	40	210	40	98	40	98	--	2,300	--
2,4-Dinitrotoluene	121-14-2	1,000	U	40	U	40	U	40	U	80	U	320
4-Nitrophenol	100-02-7	100 or MDL	U	50	U	50	U	50	U	100	U	400
Fluorene	86-73-7	50,000	100	40	500	40	190	40	250	--	4,500	--
4-Chlorophenyl phenyl ether	7005-72-3	*	U	40	U	40	U	40	U	80	U	320
Azobenzene	103-33-3	*	U	40	U	40	U	40	U	80	U	320
Diethyl Phthalate	84-66-2	7,100	U	40	U	40	U	40	U	80	U	320
4-Nitroaniline	100-01-6	*	U	50	U	50	U	50	U	100	U	400
4,6-Dinitro-2-methylphenol	534-52-1	*	U	40	U	40	U	40	U	80	U	320
N-Nitrosodiphenylamine	86-30-6	*	U	40	U	40	U	40	U	80	U	320
4-Bromophenyl phenyl ether	101-55-3	*	U	40	U	40	U	40	U	80	U	320
Hexachlorobenzene	118-74-1	410	U	40	U	40	U	40	U	80	U	320
Pentachlorophenol	87-86-5	1,000 or MDL	U	60	U	60	U	60	U	60	U	480
Phenanthrene	85-01-8	50,000	800	40	3,200	40	1,200	40	2,800	--	31,000	--
Anthracene	120-12-7	50,000	190	40	750	40	370	40	670	--	7,600	--
Carbazole	86-74-8	*	91	40	U	40	110	40	300	--	3,300	--
Di-n-butyl Phthalate	84-74-2	8,100	U	40	U	40	U	40	<80	80	U	320
Fluoranthene	206-44-0	50,000	690	40	4,900	40	1,300	40	4,400	--	30,000	--
Benzidine	92-87-5	*	U	40	U	40	U	40	U	80	U	320
Pyrene	129-00-0	50,000	780	40	4,500	40	1,200	40	3,900	--	24,000	--
Butyl benzyl Phthalate	85-68-7	50,000	U	40	U	40	U	40	U	80	U	320
3,3'-Dichlorobenzidine	91-94-1	n/a	U	40	U	40	U	40	U	80	U	320
Benzo(a)anthracene	56-55-3	224 or MDL	360	40	2,100	40	910	40	2,000	--	12,000	--
Chrysene	218-01-9	400	380	40	2,800	40	940	40	2,200	--	11,000	--
Bis(2-ethylhexyl)Phthalate	117-81-7	50,000	1,600	--	910	--	660	--	100	--	660	--
Di-n-octyl Phthalate	117-84-0	50,000	U	40	U	40	U	40	U	80	U	320
Benzo(b)fluoranthene	205-99-2	1,100	510	40	3,200	40	1,400	40	2,500	--	13,000	--
Benzo(k)fluoranthene	207-08-9	1,100	540	40	3,400	40	1,500	40	880	--	4,500	--
Benzo(a)pyrene	50-32-8	61 or MDL	310	40	1,800	40	840	40	2,000	--	10,000	--
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200	240	40	1,100	40	83	40	1,200	--	5,600	--
Dibenzo(a,h)anthracene	53-70-3	14 or MDL	86	40	520	40	190	40	340	--	1,700	--
Benzo(g,h,i)perylene	191-24-2	50,000	230	40	1,300	40	440	40	1,300	--	5,200	--
TOTAL SVOCs			7,251		32,440		11,769		25,498		176,080	

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**
NA Not Analyzed

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW4 [0'-2'] Soil ug/kg Dilution 1		MW4 [13'-15'] Soil ug/kg Dilution 1		MW5 [0'-2'] Soil ug/kg Dilution 1		MW5 [4'-6'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	*	U	1600	U	80	U	320	U	320
N-Nitrosodimethylamine	62-75-9	*	U	1600	U	80	U	320	U	320
Aniline	62-53-3	1,000	U	1600	U	80	U	320	U	320
Bis(2-chloroethyl)ether	111-44-4	*	U	1600	U	80	U	320	U	320
Phenol	108-95-1	30 or MDL	U	1600	U	80	U	320	U	320
2-Chlorophenol	95-57-8	800	U	1600	U	80	U	320	U	320
1,3-Dichlorobenzene	541-73-1	1,600	U	1600	U	80	U	320	U	320
1,4-Dichlorobenzene	106-46-7	8,500	U	1600	U	80	U	320	U	320
1,2-Dichlorobenzene	95-50-1	7,900	U	1600	U	80	U	320	U	320
Benzyl Alcohol	100-51-6	*	U	1600	U	80	U	320	U	320
Bis(2-chloroisopropyl)ether	108-60-1	*	U	1600	U	80	U	320	U	320
2-Methylphenol	95-48-7	100 or MDL	U	1600	U	80	U	320	U	320
Hexachloroethane	67-72-1	*	U	1600	U	80	U	320	U	320
N-Nitrosodi-n-propylamine	621-64-7	*	U	1600	U	80	U	320	U	320
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	1600	U	80	U	320	U	320
Nitrobenzene	98-95-3	200 or MDL	U	1600	U	80	U	320	U	320
Isophorone	78-59-1	4,400	U	1600	U	80	U	320	U	320
2- Nitrophenol	88-75-5	330 or MDL	U	1600	U	80	U	320	U	320
2,4-Dimethylphenol	105-67-9	*	U	1600	U	80	U	320	U	320
Benzoic Acid	65-85-0	2,700	U	2800	170	140	U	560	U	560
Bis(2-chloroethoxy)methane	111-91-1	*	U	1600	U	80	U	320	U	320
2,4-Dichlorophenol	102-83-2	400	U	1600	U	80	U	320	U	320
1,2,4-Trichlorobenzene	120-82-1	3,400	U	1600	U	80	U	320	U	320
Naphthalene	91-20-3	13,000	2,000	--	150	80	U	320	U	320
4-Chloroaniline	106-47-8	220 or MDL	U	1600	U	80	U	320	U	320
Hexachlorobutadiene	87-68-3	*	U	1600	U	80	U	320	U	320
4-Chloro-3-methylphenol	59-50-7	240 or MDL	U	1600	U	80	U	320	U	320
2-Methylnaphthalene	91-57-6	36,400	1,600	--	120	80	U	320	U	320
Hexachlorocyclopentadiene	77-47-4	*	U	1600	U	80	U	320	U	320
2,4,5-Trichlorophenol	95-95-4	*	U	1600	U	80	U	320	U	320
2,4,6-Trichlorophenol	88-06-2	1,000	U	1600	U	80	U	320	U	320
2-Chloronaphthalene	91-58-7	*	U	1600	U	80	U	320	U	320
2-Nitroaniline	88-74-4	430 or MDL	U	1600	U	80	U	320	U	320
Acenaphthylene	208-96-8	41,000	U	1600	120	80	U	320	U	320
Dimethyl Phthalate	131-11-3	2,000	U	1600	U	80	U	320	U	320
2,6-Dinitrotoluene	606-20-2	1,000	U	1600	U	80	U	320	U	320

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW4 [0'-2'] Soil ug/kg Dilution 1		MW4 [13'-15'] Soil ug/kg Dilution 1		MW5 [0'-2'] Soil ug/kg Dilution 1		MW5 [4'-6'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Acenaphthene	83-32-9	50,000	6,100	--	360	--	460	--	1,200	--
3-Nitroaniline	99-09-2	0.5 or MDL	U	1600	U	80	U	320	U	320
2,4-Dinitrophenol	51-28-5	200 or MDL	U	2800	U	140	U	560	U	560
Dibenzofuran	132-64-9	6,200	2,800	--	220	--	U	320	640	320
2,4-Dinitrotoluene	121-14-2	1,000	U	1600	U	80	U	320	U	320
4-Nitrophenol	100-02-7	100 or MDL	U	--	U	100	U	400	U	400
Fluorene	86-73-7	50,000	5,300	--	380	--	450	--	1,200	--
4-Chlorophenyl phenyl ether	7005-72-3	*	U	1600	U	80	U	320	U	320
Azobenzene	103-33-3	*	U	1600	U	80	U	320	U	320
Diethyl Phthalate	84-66-2	7,100	U	1600	U	80	U	320	U	320
4-Nitroaniline	100-01-6	*	U	2000	U	100	U	400	U	400
4,6-Dinitro-2-methylphenol	534-52-1	*	U	1600	U	80	U	320	U	320
N-Nitrosodiphenylamine	86-30-6	*	U	1600	U	80	U	320	U	320
4-Bromophenyl phenyl ether	101-55-3	*	U	1600	U	80	U	320	U	320
Hexachlorobenzene	118-74-1	410	U	1600	U	80	U	320	U	320
Pentachlorophenol	87-86-5	1,000 or MDL	U	2400	U	120	U	480	U	480
Phenanthrene	85-01-8	50,000	79,000	--	6,100	--	7,300	--	15,000	--
Anthracene	120-12-7	50,000	9,200	--	830	--	1,400	--	3,300	--
Carbazole	86-74-8	*	6,200	--	590	--	540	--	1000	--
Di-n-butyl Phthalate	84-74-2	8,100	U	1600	U	80	U	320	U	320
Fluoranthene	206-44-0	50,000	86,000	--	7,100	--	11,000	--	20,000	--
Benzidine	92-87-5	*	U	1600	U	80	U	320	U	320
Pyrene	129-00-0	50,000	76,000	--	5,900	--	10,000	--	18,000	--
Butyl benzyl Phthalate	85-68-7	50,000	U	1600	U	80	U	320	U	320
3,3'-Dichlorobenzidine	91-94-1	n/a	U	1600	U	80	U	320	U	320
Benzo(a)anthracene	56-55-3	224 or MDL	30,000	--	2,600	--	5,400	--	9,200	--
Chrysene	218-01-9	400	38,000	--	3,200	--	5,300	--	9,000	--
Bis(2-ethylhexyl)Phthalate	117-81-7	50,000	U	1600	U	80	350	--	430	--
Di-n-octyl Phthalate	117-84-0	50,000	U	1600	U	80	U	320	U	320
Benzo(b)fluoranthene	205-99-2	1,100	40,000	--	3,400	--	4,700	--	10,000	--
Benzo(k)fluoranthene	207-08-9	1,100	14,000	--	1,400	--	4,100	--	3,400	--
Benzo(a)pyrene	50-32-8	61 or MDL	31,000	--	2,600	--	5,000	--	8,200	--
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200	20,000	--	1,900	--	3,200	--	4,900	--
Dibenzo(a,h)anthracene	53-70-3	14 or MDL	5,500	--	490	--	820	--	1,400	--
Benzo(g,h,i)perylene	191-24-2	50,000	22,000	--	2,000	--	3,400	--	5,000	--
TOTAL SVOCs			474,700		39,630		63,420		111,870	

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**
NA Not Analyzed

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW6 Groundwater mg/L Dilution		MW6 (Dissolved) Groundwater mg/L Dilution		MW7 Groundwater mg/L Dilution		MW7 (Dissolved) Groundwater mg/L Dilution		MW8 Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.104	0.0200	0.0562	0.0200	1.68	0.0200	1.69	0.0200	0.334	0.0200
Antimony, Sb	7440-36-0	**.003	0.0836	0.0250	U	0.0250	0.0548	0.0250	U	0.0250	0.0443	0.0250
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Barium, Ba	7440-39-3	1	0.218	0.0200	0.146	0.0200	0.132	0.0200	0.14	0.0200	0.486	0.0200
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100
Calcium, Ca	7440-70-2	*	146	0.0200	160	0.0200	39.2	0.0200	41.9	0.0200	168	0.0200
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cobalt, Co	7440-48-4	*	0.013	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Copper, Cu	7440-50-8	0.2	0.015	0.0200	U	0.0200	0.019	0.0200	0.0052	0.0200	0.010	0.0200
Iron, Fe	7439-89-6	0.3	29.2	0.0200	0.843	0.0200	0.497	0.0200	0.157	0.0200	0.106	0.0200
Lead, Pb	7439-92-1	0.025	U	0.0150	U	0.0150	0.0197	0.0150	0.0091	0.0150	U	0.0150
Magnesium, Mg	7439-95-4	**35	7.07	0.0200	7.73	0.0200	0.166	0.0200	0.0633	0.0200	495	0.0200
Manganese, Mn	7439-96-5	0.3	0.558	0.0200	0.537	0.0200	0.0082	0.0200	U	0.0200	0.018	0.0200
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Nickel, Ni	7440-02-0	*	0.0054	0.0200	U	0.0200	0.0058	0.0200	0.0048	0.0200	U	0.0200
Potassium, K	9/7/7440	*	15.5	0.0700	18.1	0.0700	100	0.0700	114	0.0700	349	0.0700
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Sodium, Na	7440-23-5	20	21.7	0.0300	17.1	0.0300	110	0.0300	116	0.0300	509	0.0300
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	0.0190	0.0150	U	0.0150	U	0.0150
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	0.0083	0.0200	0.0081	0.0200	U	0.0200
Zinc, Zn	7440-66-6	0.3	0.0516	0.020	0.0071	0.0200	0.0392	0.0200	0.0062	0.0200	0.0520	0.0200

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW8 (Dissolved) Groundwater mg/L Dilution		MW9 Groundwater mg/L Dilution		MW9 (Dissolved) Groundwater mg/L Dilution		MW10 Groundwater mg/L Dilution		MW10 (Dissolved) Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.0575	0.0200	0.582	0.0200	0.0727	0.0200	0.204	0.0200	0.0417	0.0200
Antimony, Sb	7440-36-0	**.003	U	0.0250	0.0272	0.0250	U	0.0250	0.018	0.0250	U	0.0250
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Barium, Ba	7440-39-3	1	0.468	0.0200	0.23	0.0200	0.235	0.0200	0.13	0.0200	0.112	0.0200
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100
Calcium, Ca	7440-70-2	*	167	0.0200	223	0.0200	252	0.0200	266	0.0200	304	0.0200
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cobalt, Co	7440-48-4	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Copper, Cu	7440-50-8	0.2	U	0.0200	0.015	0.0200	U	0.0200	0.013	0.0200	U	0.0200
Iron, Fe	7439-89-6	0.3	0.0448	0.0200	3.83	0.0200	0.695	0.0200	6.98	0.0200	0.399	0.0200
Lead, Pb	7439-92-1	0.025	U	0.0150	0.0173	0.0150	U	0.0150	0.010	0.0150	U	0.0150
Magnesium, Mg	7439-95-4	**35	505	0.0200	38.7	0.0200	42.2	0.0200	52.2	0.0200	58.1	0.0200
Manganese, Mn	7439-96-5	0.3	0.018	0.0200	0.848	0.0200	0.939	0.0200	6.12	0.0200	6.80	0.0200
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Nickel, Ni	7440-02-0	*	U	0.0200	0.0045	0.0200	U	0.0200	U	0.0200	U	0.0200
Potassium, K	9/7/7440	*	368	0.0700	38.8	0.0700	45.8	0.0700	42.1	0.0700	51.0	0.0700
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Sodium, Na	7440-23-5	20	517	0.0300	101	0.0300	102	0.0300	109	0.0300	112	0.0300
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	U	0.0150	U	0.0150	U	0.0150
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Zinc, Zn	7440-66-6	0.3	0.0270	0.0200	0.146	0.0200	0.101	0.0200	0.0829	0.0200	0.0051	0.0200

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW11 Groundwater mg/L Dilution		MW11 (Dissolved) Groundwater mg/L Dilution		MW12 Groundwater mg/L Dilution		MW12 (Dissolved) Groundwater mg/L Dilution		MW13 Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.110	0.0200	0.0665	0.0200	0.211	0.0200	0.0417	0.0200	0.164	0.0200
Antimony, Sb	7440-36-0	**.003	U	0.0250	U	0.0250	U	0.0250	U	0.0250	0.022	0.0250
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Barium, Ba	7440-39-3	1	0.496	0.0200	0.0499	0.0200	0.277	0.0200	0.24	0.0200	0.0681	0.0200
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100
Calcium, Ca	7440-70-2	*	113	0.0200	123	0.0200	113	0.0200	127	0.0200	345	0.0200
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cobalt, Co	7440-48-4	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Copper, Cu	7440-50-8	0.2	0.0098	0.0200	U	0.0200	0.012	0.0200	U	0.0200	0.011	0.0200
Iron, Fe	7439-89-6	0.3	0.153	0.0200	0.0584	0.0200	9.42	0.0200	0.395	0.0200	3.05	0.0200
Lead, Pb	7439-92-1	0.025	U	0.0150	U	0.0150	0.0236	0.0150	U	0.0150	U	0.0150
Magnesium, Mg	7439-95-4	**35	33.8	0.0200	36.7	0.0200	27.8	0.0200	31.2	0.0200	27.0	0.0200
Manganese, Mn	7439-96-5	0.3	0.184	0.0200	0.194	0.0200	1.93	0.0200	2.10	0.0200	0.752	0.0200
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Nickel, Ni	7440-02-0	*	0.0054	0.0200	0.0046	0.0200	U	0.0200	30.3	0.0200	0.0064	0.0200
Potassium, K	9/7/7440	*	7.10	0.0700	8.25	0.0700	24.3	0.0700	U	0.0700	22.1	0.0700
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Sodium, Na	7440-23-5	20	34.0	0.0300	32.1	0.0300	83.4	0.0300	88.7	0.0300	57.1	0.0300
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	U	0.0150	U	0.0150	U	0.0150
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Zinc, Zn	7440-66-6	0.3	0.0414	0.0200	0.018	0.0200	0.0538	0.0200	0.0056	0.0200	0.0292	0.0200

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW13 (Dissolved) Groundwater mg/L Dilution		MW14 Groundwater mg/L Dilution		MW14 (Dissolved) Groundwater mg/L Dilution		MW15 Groundwater mg/L Dilution		MW15 (Dissolved) Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.0573	0.0200	0.253	0.0200	0.0339	0.0200	0.253	0.0200	0.0403	0.0200
Antimony, Sb	7440-36-0	**.003	U	0.0250	0.024	0.0250	U	0.0250	U	0.0250	U	0.0250
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Barium, Ba	7440-39-3	1	0.0656	0.0200	0.214	0.0200	0.171	0.0200	0.137	0.0200	0.142	0.0200
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100
Calcium, Ca	7440-70-2	*	381	0.0200	92.8	0.0200	101	0.0200	115	0.0200	130	0.0200
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cobalt, Co	7440-48-4	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Copper, Cu	7440-50-8	0.2	U	0.0200	0.0091	0.0200	U	0.0200	0.0064	0.0200	U	0.0200
Iron, Fe	7439-89-6	0.3	0.332	0.0200	19.3	0.0200	1.55	0.0200	3.6	0.0200	1.09	0.0200
Lead, Pb	7439-92-1	0.025	U	0.0150	0.010	0.0150	U	0.0150	0.0093	0.0150	U	0.0150
Magnesium, Mg	7439-95-4	**35	29.4	0.0200	14.3	0.0200	12.3	0.0200	25.3	0.0200	28.7	0.0200
Manganese, Mn	7439-96-5	0.3	0.814	0.0200	2.69	0.0200	2.76	0.0200	0.838	0.0200	0.924	0.0200
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Nickel, Ni	7440-02-0	*	U	0.0200	0.0048	0.0200	U	0.0200	0.0091	0.0200	U	0.0200
Potassium, K	9/7/7440	*	24.9	0.0700	13.9	0.0700	14.1	0.0700	6.20	0.0700	7.43	0.0700
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Sodium, Na	7440-23-5	20	55.4	0.0300	75.9	0.0300	56.1	0.0300	29.9	0.0300	28.7	0.0300
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	U	0.0150	U	0.0150	U	0.0150
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Zinc, Zn	7440-66-6	0.3	0.014	0.0200	0.0422	0.0200	0.012	0.0200	0.0393	0.0200	0.014	0.0200

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW16 Groundwater mg/L Dilution		MW16 (Dissolved) Groundwater mg/L Dilution		FOUND WELL Groundwater mg/L Dilution		FOUND WELL(Dissolved) Groundwater mg/L Dilution		TRIP BLANK Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.139	0.0200	0.0377	0.0200	U	0.0200	0.0421	0.0200	NA	NA
Antimony, Sb	7440-36-0	**.003	U	0.0250	U	0.0250	0.0947	0.0250	U	0.0250	NA	NA
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	NA	NA
Barium, Ba	7440-39-3	1	0.162	0.0200	0.143	0.0200	0.142	0.0200	0.141	0.0200	NA	NA
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	NA	NA
Calcium, Ca	7440-70-2	*	158	0.0200	176	0.0200	101	0.0200	110	0.0200	NA	NA
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Cobalt, Co	7440-48-4	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Copper, Cu	7440-50-8	0.2	U	0.0200	U	0.0200	0.0076	0.0200	U	0.0200	NA	NA
Iron, Fe	7439-89-6	0.3	12.2	0.0200	0.404	0.0200	3.15	0.0200	0.565	0.0200	NA	NA
Lead, Pb	7439-92-1	0.025	U	0.0150	U	0.0150	U	0.0150	U	0.0150	NA	NA
Magnesium, Mg	7439-95-4	**35	54.2	0.0200	60.7	0.0200	34.1	0.0200	37.5	0.0200	NA	NA
Manganese, Mn	7439-96-5	0.3	0.494	0.0200	0.476	0.0200	0.806	0.0200	0.851	0.0200	NA	NA
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	NA	NA
Nickel, Ni	7440-02-0	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Potassium, K	9/7/7440	*	23.4	0.0700	28.2	0.0700	17	0.0700	20.5	0.0700	NA	NA
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	NA	NA
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Sodium, Na	7440-23-5	20	77.9	0.0300	80.2	0.0300	89.3	0.0300	95.6	0.0300	NA	NA
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	U	0.0150	U	0.0150	NA	NA
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Zinc, Zn	7440-66-6	0.3	0.0336	0.0200	0.0049	0.0200	0.0339	0.0200	0.019	0.0200	NA	NA

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	TRIP BLANK (Dissolved) Groundwater mg/L Dilution		FIELD BLANK Groundwater mg/L Dilution		FIELD BLANK (Dissolved) Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	NA	NA	U	0.0200	NA	NA
Antimony, Sb	7440-36-0	**.003	NA	NA	0.018	0.0250	NA	NA
Arsenic, As	7440-38-2	0.025	NA	NA	U	0.0250	NA	NA
Barium, Ba	7440-39-3	1	NA	NA	U	0.0200	NA	NA
Beryllium, Be	7440-41-7	**0.003	NA	NA	U	0.0200	NA	NA
Cadmium, Cd	7440-43-9	0.01	NA	NA	U	0.0100	NA	NA
Calcium, Ca	7440-70-2	*	NA	NA	0.128	0.0200	NA	NA
Chromium, Cr	7440-47-3	0.05	NA	NA	U	0.0200	NA	NA
Cobalt, Co	7440-48-4	*	NA	NA	U	0.0200	NA	NA
Copper, Cu	7440-50-8	0.2	NA	NA	U	0.0200	NA	NA
Iron, Fe	7439-89-6	0.3	NA	NA	U	0.0200	NA	NA
Lead, Pb	7439-92-1	0.025	NA	NA	U	0.0150	NA	NA
Magnesium, Mg	7439-95-4	**35	NA	NA	U	0.0200	NA	NA
Manganese, Mn	7439-96-5	0.3	NA	NA	U	0.0200	NA	NA
Mercury, Hg	7439-97-6	0.002	NA	NA	U	0.200	NA	NA
Nickel, Ni	7440-02-0	*	NA	NA	U	0.0200	NA	NA
Potassium, K	9/7/7440	*	NA	NA	0.026	0.0700	NA	NA
Selenium, Se	7782-49-2	0.01	NA	NA	U	0.0250	NA	NA
Silver, Ag	7440-22-4	0.05	NA	NA	U	0.0200	NA	NA
Sodium, Na	7440-23-5	20	NA	NA	0.479	0.0300	NA	NA
Thallium, Tl	7440-28-0	**.004	NA	NA	U	0.0150	NA	NA
Vanadium, V	7440-62-2	*	NA	NA	U	0.0200	NA	NA
Zinc, Zn	7440-66-6	0.3	NA	NA	U	0.0200	NA	NA

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B6 [0.5'-2'] Soil ug/kg Dilution 1		B6 [6'-7'] Soil ug/kg Dilution 1		B7 [9.5'-10.0'] Soil ug/kg Dilution 1		B7R2 [5.5'-6.0'] Soil ug/kg Dilution 1		B8 [0.5-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B6 [0.5'-2'] Soil ug/kg Dilution 1		B6 [6'-7'] Soil ug/kg Dilution 1		B7 [9.5'-10.0'] Soil ug/kg Dilution 1		B7R2 [5.5'-6.0'] Soil ug/kg Dilution 1		B8 [0.5-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		ND		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B8 [8'-10'] Soil ug/kg Dilution 1		B9 [14"-25 "] Soil ug/kg Dilution 1		B9 [5'-6'] Soil ug/kg Dilution 1		B10 [5'-7'] Soil ug/kg Dilution 1		B10 [9'-10'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	2	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B8 [8'-10'] Soil ug/kg Dilution 1		B9 [14"-25 "] Soil ug/kg Dilution 1		B9 [5'-6'] Soil ug/kg Dilution 1		B10 [5'-7'] Soil ug/kg Dilution 1		B10 [9'-10'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	6.2	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			6.2		2		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B11 [1'-3'] Soil ug/kg Dilution 1		B11 [7'-9'] Soil ug/kg Dilution 1		B12 [0.5-2'] Soil ug/kg Dilution 1		B12 [5'-7'] Soil ug/kg Dilution 1		B13 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	3	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U		U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	4	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	10	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B11 [1'-3'] Soil ug/kg Dilution 1		B11 [7'-9'] Soil ug/kg Dilution 1		B12 [0.5-2'] Soil ug/kg Dilution 1		B12 [5'-7'] Soil ug/kg Dilution 1		B13 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	110	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	3	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	11	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	6.8	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			147.8		ND		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B13 [5'-7'] Soil ug/kg Dilution 1		B14 [2'-3.5'] Soil ug/kg Dilution 1		B14 [6'-8'] Soil ug/kg Dilution 1		B15 [8.0'-9.0'] Soil ug/kg Dilution 1		B15 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	44	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B13 [5'-7'] Soil ug/kg Dilution 1		B14 [2'-3.5'] Soil ug/kg Dilution 1		B14 [6'-8'] Soil ug/kg Dilution 1		B15 [8.0'-9.0'] Soil ug/kg Dilution 1		B15 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	3	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		3		ND		44		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW6 [0.5'-2'] Soil ug/kg Dilution 1		MW6 [6'-7'] Soil ug/kg Dilution 1		MW7 [10'-11'] Soil ug/kg Dilution 1		MW7 [6.5-7.5'] Soil ug/kg Dilution 1		MW8 [2'-4'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	64	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW6 [0.5'-2'] Soil ug/kg Dilution 1		MW6 [6'-7'] Soil ug/kg Dilution 1		MW7 [10'-11'] Soil ug/kg Dilution 1		MW7 [6.5-7.5'] Soil ug/kg Dilution 1		MW8 [2'-4'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		ND		64		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW8 [5'-6.5'] Soil ug/kg Dilution 1		MW9 [1.5'-3.5'] Soil ug/kg Dilution 1		MW9 [5'-6'] Soil ug/kg Dilution 1		MW10 [0.5'-2'] Soil ug/kg Dilution 1		MW10 [5'-7'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW8 [5'-6.5'] Soil ug/kg Dilution 1		MW9 [1.5'-3.5'] Soil ug/kg Dilution 1		MW9 [5'-6'] Soil ug/kg Dilution 1		MW10 [0.5'-2'] Soil ug/kg Dilution 1		MW10 [5'-7'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		ND		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW11 [0.5'-2'] Soil ug/kg Dilution 1		MW11 [7'-9'] Soil ug/kg Dilution 1		MW-12 [0.5'-2'] Soil ug/kg Dilution 1		MW12 [4.5'-5.5'] Soil ug/kg Dilution 1		MW13 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW11 [0.5'-2'] Soil ug/kg Dilution 1		MW11 [7'-9'] Soil ug/kg Dilution 1		MW-12 [0.5'-2'] Soil ug/kg Dilution 1		MW12 [4.5'-5.5'] Soil ug/kg Dilution 1		MW13 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		ND		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW13 [5'-7'] Soil ug/kg Dilution 1		MW14 [3'-4'] Soil ug/kg Dilution 1		MW14 [6'-8'] Soil ug/kg Dilution 1		MW15 [0.5'-2'] Soil ug/kg Dilution 1		MW15 [6'-8'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	49	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW13 [5'-7'] Soil ug/kg Dilution 1		MW14 [3'-4'] Soil ug/kg Dilution 1		MW14 [6'-8'] Soil ug/kg Dilution 1		MW15 [0.5'-2'] Soil ug/kg Dilution 1		MW15 [6'-8'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		49		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW16 [0.5'-2'] Soil ug/kg Dilution 1		MW16 [8.5'-9.5'] Soil ug/kg Dilution 1		Trip Blank #1 Groundwater ug/L Dilution 1		Field Blank #1 Groundwater ug/L Dilution 1		Field Blank #2 Groundwater ug/L Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	1	U	1	U	1
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	1	U	1	U	1
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	1	U	1	U	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	1	U	1	U	1
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	1	U	1	U	1
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	1	U	1	U	1
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	1	U	1	U	1
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	1	U	1	U	1
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	1	U	1	U	1
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	1	U	1	U	1
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	1	U	1	U	1
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	1	U	1	U	1
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	1	U	1	U	1
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	1	U	1	U	1
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	1	U	1	U	1
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	1	U	1	U	1
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	1	U	1	U	1
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	1	U	1	U	1
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	1	U	1	U	1
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	1	U	1	U	1
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	1	U	1	U	1
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	1	U	1	U	1
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	1	U	1	U	1
2-Butanone	78-93-3	300	U	5	U	5	U	1	U	1	U	1
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	1	U	1	U	1
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	1	U	1	U	1
2-Hexanone	591-78-6	*	U	5	U	5	U	1	U	1	U	1
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	1	U	1	U	1
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	1	U	1	U	1
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	1	U	1	U	1
Acetone	67-64-1	200	U	5	55	5	U	1	U	1	U	1
Acrolein	107-02-8	*	U	25	U	25	U	1	U	1	U	1
Acrylonitrile	107-13-1	*	U	5	U	5	U	1	U	1	U	1
Benzene	71-43-2	60	U	5	U	5	U	1	U	1	U	1
Bromobenzene	108-86-1	*	U	5	U	5	U	1	U	1	U	1
Bromochloromethane	74-97-5	*	U	5	U	5	U	1	U	1	U	1
Bromodichloromethane	75-27-4	*	U	5	U	5	U	1	U	1	U	1
Bromoform	75-25-2	*	U	5	U	5	U	1	U	1	U	1
Bromomethane	74-83-9	*	U	5	U	5	U	1	U	1	U	1
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	1	U	1	U	1

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW16 [0.5'-2'] Soil ug/kg Dilution 1		MW16 [8.5'-9.5'] Soil ug/kg Dilution 1		Trip Blank #1 Groundwater ug/L Dilution 1		Field Blank #1 Groundwater ug/L Dilution 1		Field Blank #2 Groundwater ug/L Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	1	U	1	U	1
Chlorobenzene	108-90-7	1700	U	5	U	5	U	1	U	1	U	1
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	1	U	1	U	1
Chloroethane	75-00-3	1900	U	5	U	5	U	1	U	1	U	1
Chloroform	67-66-3	300	U	5	U	5	U	1	U	1	U	1
Chloromethane	74-87-3	*	U	5	U	5	U	1	U	1	U	1
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	1	U	1	U	1
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	1	U	1	U	1
Dibromochloromethane	124-48-1	*	U	5	U	5	U	1	U	1	U	1
Dibromomethane	74-95-3	*	U	5	U	5	U	1	U	1	U	1
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	1	U	1	U	1
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	1	U	1	U	1
Ethanol	64-17-5	*	U	5	U	5	U	1	U	1	U	1
Ethyl acetate	141-78-6	*	U	5	U	5	U	1	U	1	U	1
Ethylbenzene	100-41-4	5500	U	5	U	5	U	1	U	1	U	1
Freon-114	76-14-2	*	U	5	U	5	U	1	U	1	U	1
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	1	U	1	U	1
Isopropyl acetate	108-21-4	*	U	5	U	5	U	1	U	1	U	1
Isopropylbenzene	98-82-8	*	U	5	U	5	U	1	U	1	U	1
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	2	U	2	U	2
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	1	U	1	U	1
Methylene Chloride	75-09-2	100	U	5	U	5	U	1	U	1	U	1
Naphthalene	91-20-3	*	U	5	U	5	U	1	U	1	U	1
n-Butyl acetate	123-86-4	*	U	5	U	5	U	1	U	1	U	1
n-Butylbenzene	104-51-8	*	U	5	U	5	U	1	U	1	U	1
n-Propyl acetate	109-60-4	*	U	5	U	5	U	1	U	1	U	1
n-Propylbenzene	103-65-1	*	U	5	U	5	U	1	U	1	U	1
o-Xylene	95-47-6	1200	U	5	U	5	U	1	U	1	U	1
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	1	U	1	U	1
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	1	U	1	U	1
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	1	U	1	U	1
Styrene	100-42-5	*	U	5	U	5	U	1	U	1	U	1
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	1	U	1	U	1
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	1	U	1	U	1
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	1	U	1	U	1
Toluene	108-88-3	1500	U	5	U	5	U	1	U	1	U	1
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	1	U	1	U	1
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	1	U	1	U	1
Trichloroethene	79-01-6	700	U	5	U	5	U	1	U	1	U	1
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	1	U	1	U	1
Vinyl Acetate	108-05-4	*	U	5	U	5	U	1	U	1	U	1
Vinyl Chloride	75-01-4	200	U	5	U	5	U	1	U	1	U	1
TOTAL VOCs			ND		55		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	Field Blank #3 Groundwater ug/L Dilution 1		Trip Blank #2 Groundwater ug/L Dilution 1		Trip Blank #3 Groundwater ug/L Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	1	U	1	U	1
1,1,1-Trichloroethane	71-55-6	800	U	1	U	1	U	1
1,1,2,2-Tetrachloroethane	79-34-5	600	U	1	U	1	U	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	1	U	1	U	1
1,1,2-Trichloroethane	79-00-5	*	U	1	U	1	U	1
1,1-Dichloroethane	75-34-3	200	U	1	U	1	U	1
1,1-Dichloroethene	75-35-4	400	U	1	U	1	U	1
1,1-Dichloropropene	563-58-6	*	U	1	U	1	U	1
1,2,3-Trichlorobenzene	87-61-6	*	U	1	U	1	U	1
1,2,3-Trichloropropane	96-18-4	400	U	1	U	1	U	1
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	1	U	1	U	1
1,2,4-Trichlorobenzene	120-82-1	3400	U	1	U	1	U	1
1,2,4-Trimethylbenzene	95-63-6	*	U	1	U	1	U	1
1,2-Dibromo-3-chloropropane	96-12-8	*	U	1	U	1	U	1
1,2-Dibromoethane	106-93-4	*	U	1	U	1	U	1
1,2-Dichlorobenzene	95-50-1	7900	U	1	U	1	U	1
1,2-Dichloroethane	107-06-2	100	U	1	U	1	U	1
1,2-Dichloropropane	78-87-5	*	U	1	U	1	U	1
1,3,5-Trimethylbenzene	108-67-8	*	U	1	U	1	U	1
1,3-Dichlorobenzene	541-73-1	1600	U	1	U	1	U	1
1,3-Dichloropropane	142-28-9	300	U	1	U	1	U	1
1,4-Dichlorobenzene	106-46-7	8500	U	1	U	1	U	1
2,2-Dichloropropane	594-20-7	*	U	1	U	1	U	1
2-Butanone	78-93-3	300	U	1	U	1	U	1
2-Chloroethyl vinyl ether	110-75-8	*	U	1	U	1	U	1
2-Chlorotoluene	95-49-8	*	U	1	U	1	U	1
2-Hexanone	591-78-6	*	U	1	U	1	U	1
4-Chlorotoluene	106-43-4	*	U	1	U	1	U	1
4-Isopropyltoluene	99-87-6	*	U	1	U	1	U	1
4-Methyl-2-Pentanone	108-10-1	1000	U	1	U	1	U	1
Acetone	67-64-1	200	U	1	U	1	U	1
Acrolein	107-02-8	*	U	1	U	1	U	1
Acrylonitrile	107-13-1	*	U	1	U	1	U	1
Benzene	71-43-2	60	U	1	U	1	U	1
Bromobenzene	108-86-1	*	U	1	U	1	U	1
Bromochloromethane	74-97-5	*	U	1	U	1	U	1
Bromodichloromethane	75-27-4	*	U	1	U	1	U	1
Bromoform	75-25-2	*	U	1	U	1	U	1
Bromomethane	74-83-9	*	U	1	U	1	U	1
Carbon Disulfide	75-15-0	2700	U	1	U	1	U	1

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	Field Blank #3 Groundwater ug/L Dilution 1		Trip Blank #2 Groundwater ug/L Dilution 1		Trip Blank #3 Groundwater ug/L Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	1	U	1	U	1
Chlorobenzene	108-90-7	1700	U	1	U	1	U	1
Chlorodifluoromethane	75-45-6	*	U	1	U	1	U	1
Chloroethane	75-00-3	1900	U	1	U	1	U	1
Chloroform	67-66-3	300	U	1	U	1	U	1
Chloromethane	74-87-3	*	U	1	U	1	U	1
cis-1,2-Dichloroethene	156-59-2	*	U	1	U	1	U	1
cis-1,3-Dichloropropene	10061-01-5	*	U	1	U	1	U	1
Dibromochloromethane	124-48-1	*	U	1	U	1	U	1
Dibromomethane	74-95-3	*	U	1	U	1	U	1
Dichlorodifluoromethane	75-71-8	*	U	1	U	1	U	1
Diisopropyl ehter	108-20-3	*	U	1	U	1	U	1
Ethanol	64-17-5	*	U	1	U	1	U	1
Ethyl acetate	141-78-6	*	U	1	U	1	U	1
Ethylbenzene	100-41-4	5500	U	1	U	1	U	1
Freon-114	76-14-2	*	U	1	U	1	U	1
Hexachlorobutadiene	87-68-3	*	U	1	U	1	U	1
Isopropyl acetate	108-21-4	*	U	1	U	1	U	1
Isopropylbenzene	98-82-8	*	U	1	U	1	U	1
m+p Xylene	108-38-3/106-42-3	1200	U	2	U	2	U	2
Methyl tert-butyl ether	1634-04-4	*	U	1	U	1	U	1
Methylene Chloride	75-09-2	100	U	1	U	1	U	1
Naphthalene	91-20-3	*	U	1	U	1	U	1
n-Butyl acetate	123-86-4	*	U	1	U	1	U	1
n-Butylbenzene	104-51-8	*	U	1	U	1	U	1
n-Propyl acetate	109-60-4	*	U	1	U	1	U	1
n-Propylbenzene	103-65-1	*	U	1	U	1	U	1
o-Xylene	95-47-6	1200	U	1	U	1	U	1
p-Diethylbenzene	105-05-5	*	U	1	U	1	U	1
p-Ethyltoluene	622-96-8	*	U	1	U	1	U	1
sec-Butylbenzene	135-98-8	*	U	1	U	1	U	1
Styrene	100-42-5	*	U	1	U	1	U	1
t-Butyl alcohol	75-65-0	*	U	1	U	1	U	1
tert-Butylbenzene	98-06-6	*	U	1	U	1	U	1
Tetrachloroethene	127-18-4	1400	U	1	U	1	U	1
Toluene	108-88-3	1500	U	1	U	1	U	1
trans-1,2-Dichloroethene	156-60-5	300	U	1	U	1	U	1
trans-1,3-Dichloropropene	10061-02-6	*	U	1	U	1	U	1
Trichloroethene	79-01-6	700	U	1	U	1	U	1
Trichlorofluoromethane	75-69-4	*	U	1	U	1	U	1
Vinyl Acetate	108-05-4	*	U	1	U	1	U	1
Vinyl Chloride	75-01-4	200	U	1	U	1	U	1
TOTAL VOCs			ND		ND		ND	

*** Not Applicable.**
ND Not Detected

APPENDIX A
SOIL BORING AND WELL INSTALLATION LOGS

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B6

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 08:45	**Time: 09:05**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	32		0-6": ASPHALT.	ND	None	Dry	B6(0.5'-2')
1			6"-20": Dark brown/black SAND, little Silt. [FILL]				
			20"-26": Brown/black fine to medium SAND, some Silt. [FILL]	ND	None	Dry	
2			26"-29": Grey/brown SILT, trace Sand, trace Gravel, trace Clay [FILL]				
			29"-31": Grey/brown SAND and SILT, trace Clay, trace Wood [FILL]	ND	None	Dry	
3			31"-32": Grey/green ROCK fragments [FILL]				
				ND	None	Dry	
4							
				ND	None	Dry	
5							
	30		0-6": Grey/brown SAND and SILT, trace Clay, trace Wood. [FILL]	ND	None	Dry	B6(6'-7')
6			6-7.5": Grey/green ROCK fragments.				
			7.5-30": Grey/brown medium to fine SAND, trace Silt.	ND	None	Moist	
7							
				ND	None	Wet	
8							
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'.				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B6(0.5'-2') and B6(6'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of Boring at 10'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B7-R1

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:25	**Time: 14:40**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
1	36"		0-6": ASPHALT. 6"-30" Red BRICK [Fill]	ND	None	Dry	
2				ND	None	Dry	
3				ND	None	Dry	
4				ND	None	Dry	
5				ND	None	Dry	
6	12"		0"-11" Red BRICK [Fill] 11"-23" BRICK and CONCRETE with black Sand banding [Fill] 23"-24" CONCRETE [Fill]	ND	Strong Solvent-like odor	Dry	
7			7' Refusal				
8							
9							
10							
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

No samples collected for laboratory analysis.

End of Boring at 7' due to Refusal.

Fill may be part of historic structure.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B7-R2

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:40	**Time: 15:20**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
1	36"		0-6": ASPHALT 6"-30" Red BRICK [Fill]	ND	None	Dry	
2				ND	None	Dry	
3				ND	None	Dry	
4				ND	None	Dry	
5				ND	None	Dry	
6	30"		0-3" BRICK [Fill] 6"-9" Black/red SAND, trace Silt, trace rock and brick Gravel, trace Wood fragments [Fill] 9"-30" White CONCRETE [Fill]	ND	Mild Organic Odor	Dry	B7-R2(5.5'-6.0')
7				ND	None	Dry	
8				ND	None	Dry	
9				ND	None	Dry	
10				ND	None	Dry	
11	12"		0-6" BRICK [Slough] 6"-12 CONCRETE [Fill] End Boring at 10.5' [Refusal]			Wet*	
12							
13							
14							
15							

Notes: **ND - Not Detected**

Sample B7-R2(5.5'-6') was analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

Refusal at 10.5'

*Driller thinks moisture may not be groundwater, but may be liquified soil.

Fill may be part of historic structure.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B-7

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 09:00	**Time: 09:20**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
1	36"		0-18": ASPHALT and pulverized CONCRETE	ND	None	Dry	
			18"-36" BRICK [Fill]				
2				ND	None	Dry	
3				ND	None	Dry	
4				ND	None	Dry	
5				ND	None	Dry	
6	36"		0-12" BRICK [Fill]	3.4	Slight Creosote-like odor	Dry	
			12"-15" Brown and black WOOD [Fill]				
			15"-24" BRICK [Fill]	2.4	None	Moist	
7			24"-33" Weathered CONCRETE [Fill]			Dry	
				0.1	None	Moist	B-7(9.5-10)
8			33"-36" Dark grey SAND and GRAVEL [Fill]				
				ND	None	Dry	
9				ND	None	Dry	
10							
11	48"		0-6" Red BRICK (Slough) [Fill]	ND	None	Wet	
			6"-18 GRAVEL (Slag), some coarse Sand (Slag Fragments) [Fill]				
			18"-24" Dark grey SAND and SILT [Fill]	ND	None	Wet	
12			24"-25" BRICK [Fill]				
			25"-48" Light brown and grey fine SAND and SILT				
13							
14							
15			End of Boring at 15'				

Notes: **ND - Not Detected**

Sample B7(9.5'-10') was analyzed for TCL VOCs (Method 8260). Not enough sample material was available to sample for additional parameters.

End of boring at 15'
Groundwater apparent at 10'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B-8

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 10:33	**Time: 10:50**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt and Concrete	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-3": ASPHALT.	ND	None	Dry	
1			3"-6" Pulverized CONCRETE				
			6"-9" Black coarse to medium SAND (Coal) [Fill]	ND	None	Dry	
2			9"-21" Brown/grey SAND and SILT , trace Gravel (Brick and Coal) [Fill]				
	48"		21"-32" Black SAND, trace Gravel (Rock), trace Silt [Fill]	ND	None	Dry	B-8(0.5-2)
3			32"-40" White ROCK (1/2 inch slices) [Fill]				
			40"-48" Black SAND, little Silt, little Gravel (Slag and Coal) [Fill]	ND	None	Dry	
4							
				ND	None	Dry	
5							
			0-6" Black SAND, little Gravel (Rock, Silt, Slag, Metal, Red Brick), trace Silt [Fill]	ND	None	Moist	
6			6"-9" White ROCK [Fill]				
			9"-13" Brown and black SAND and GRAVEL (Slag, Wood, Coal], trace Silt) [Fill]	ND	None	Wet	
7			13"-24" Brown medium to fine SAND, little Silt				
	24"			ND	None	Wet	B-8(8-10)
8							
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'.				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B-8(0.5'-2') and B-8(8'-10') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.

Groundwater apparent at 10'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B-9

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 10:05	**Time: 10:30**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-8": ASPHALT.	ND	None	Dry	B-9(14'-2.5')
1			8"-14" Red BRICK				
			14"-48" Black SAND, some Gravel (Slag, Coal, Red Brick) little Silt [Fill]	1.4	None	Dry	
2			48"-54" Orange-brown fine SAND, trace Silt [Fill]				
			54"-60" Black SAND, some Gravel (Slag, Coal, Red Brick) little Silt [Fill]	0.2	None	Dry	
3				ND	None	Dry	
4				ND	None	Dry	
5							
	42"		0-12" Black SAND, some Gravel (Slag, Red Brick, Coal-some Coal pieces white on outside, black on inside) little Silt [Fill]	ND	None	Dry	B-9(5'-6')
6							
			12"-18" Orange/Grey SAND, trace Silt [Fill]	ND	None	Moist	
7			18"-30" Dark red and black fine to medium SAND, some Silt, little Coal and Wood fragments [Fill]	ND	None	Wet	
8			30"-42" Brown and black SAND and GRAVEL (Slag), trace Silt [Fill]				
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'.				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B6(0.5'-2') and B6(6'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B10

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 07:20	**Time: 08:00**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-3" ASPHALT	0.6	None	Dry	B10(5-7)
1			3"-6" Pulverized CONCRETE [Fill]				
			6"-18" Black-brown SAND, some rock Gravel, trace Silt [Fill]	0.3	None	Dry	
2			18"-42" Black SAND and SILT, little Gravel (Coal, Rock, Slag, Metal pieces, red Brick) [Fill]	ND	None	Dry	
3			42"-48" ASPHALT [Fill]				
			48"-60" Black SAND and SILT, little Gravel (Coal, Rock, Slag, Red Brick) [Fill]	0.2	None	Dry	
4							
5				0.3	None	Dry	
	48"		0-6" Black SAND and SILT, little Gravel (Coal, Rock, Slag, red Brick) [Fill]	1.2	Slight petroleum-like odor	Dry	B10(9-10)
6			6"-12" Brown SAND and GRAVEL (Coal and Slag) some Silt [Fill]				
			12"-24" Light brown SILT, some fine Sand [Fill]	0.3	None	Dry	
7			24"-48" GRAVEL (Slag and Coal), some coarse Sand (Slag) [Fill]				
8				0.3	None	Dry	
9				ND	None	Dry	
10				ND	None	Moist	
	54"		0-18" GRAVEL (Coal, Slag) some coarse Sand, trace Silt [Fill]	ND	None	Wet	
11							
				ND	Organic-like odor	Wet	
12			18-54" Grey-brown SILT and fine SAND, trace rock Gravel, trace Wood fragments [Fill]				
13							
14							
15			End of Boring at 15'				

Notes: **ND - Not Detected**

Samples B6(0.5'-2') and B6(6'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 15'.

Groundwater apparent at 11'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B11

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 10:55	**Time: 11:05**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-12" CONCRETE and ASPHALT	0.3	None	Dry	B11(1-3)
1			12"-60" Black SAND, little Gravel (Rock, Slag, Concrete) [Fill]				
				0.4	Slight petroleum-like odor	Dry	
2							
				3.5	None	Dry	
3							
				0.2	None	Dry	
4							
				0.3	None	Dry	
5							
	42"		0-12" Black/Grey SAND and GRAVEL (Slag), trace Silt [Fill]	0.5	None	Dry	B11(7-9)
6			12"-24" Light brown medium to fine SAND and SILT, trace Clay, trace Gravel (Brick) [Fill]				
			23"-30" Black SILT, trace Clay, trace coarse SAND (Coal), trace Wood pieces [Fill]	ND	None	Dry	
7			30"-42" Brown fine SAND, trace Silt				
				ND	None	Dry	
8							
				ND	Slight Organic-like odor	Moist	
9							
				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B11(1'-3') and B11(7'-9') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

Groundwater apparent at 9'

End of Boring at 10'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B11-R1

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 10:40	**Time: 10:50**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-12" ASPHALT and CONCRETE	0.7	None	Dry	
1			12"-30" Black SAND and GRAVEL (Slag, Coal, Wood), trace Silt [Fill]				
			30"-36" Red BRICK [Fill]	0.5	None	Dry	
2			36"-39" Grey SILT and fine SAND [Fill]				
			39"-60" Black SAND, some Gravel (Slag, Rock), trace Silt [Fill]	0.5	None	Dry	
3				1	None	Dry	
4				0.3	None	Dry	
5							
	48"		0-12" Black SAND, some Gravel (Slag, Rock, Coal) [Fill]	ND	None	Dry	
6			12"-18" Brown medium to fine SAND, little Silt, trace rock Gravel [Fill]				
			18"-24" Grey SILT, trace fine Sand [Fill]	ND	None	Dry	
7			24"-30" Black SAND and SILT, trace Gravel (Slag) [Fill]				
			30"-42" Grey-brown fine Micaceous SAND	ND	None	Dry	
8			42"-48" Pulverized pink and green quartz-rich ROCK				
				ND	None	Dry	
9			Refusal at 9'				
				ND	None	Dry	
10							
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

No samples collected for laboratory analysis.

End of Boring at 9' due to refusal.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B12

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 11:35	**Time: 11:50**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
1	38"		0-2" ASPHALT	ND	None	Dry	B12(0.5-2)
			2"-20" Black SAND, some Gravel (red Brick, Rock, Slag) [Fill]				
			20"-38" Medium to fine light brown micaceous SAND, trace Silt	ND	None	Dry	
2							
3				ND	None	Moist	
4							
5							
6	36"		0-36" Light brown medium to fine SAND, trace Silt	ND	None	Moist	B12(5-7)
7				ND	None	Moist	
8				ND	None	Wet	
9							
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B12(0.5'-2') and B12(5'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 7'9".

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B13

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 12:45	**Time: 13:05**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	54"		0-2" ASPHALT	47	None	Dry	B13(0.5'-2')
1			2"-24" Brown and black SAND and SILT, little Gravel (Rock, Red Brick, Coal, Wood) [Fill]	3.6	None	Dry	
2			24"-54" White ROCK fragments [Fill]	1	None	Dry	
3				0.5			
4							
5							
	30"		0-2" Grey-brown SAND, trace Silt, trace Gravel (Rock, Brick) [Fill]	ND	None	Dry	B13(5'-7')
6			2"-20" Dark grey SAND, little Silt, little Gravel (Slag, Rock, Wood) [Fill]				
7			20"-30" [Fill]	ND	None	Wet	
8				ND	None	Wet	
9							
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B13(0.5'-2') and B13(5'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 8.5'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B14

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 13:25	**Time: 13:35**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	48		0-6" ASPHALT and CONCRETE	ND	None	Dry	B14(2'-3.5')
1			6"-24" CONCRETE, BRICK, and ASPHALT [Fill]				
			24"-42" Grey-brown SAND, some Gravel, trace Silt (Slag, Coal) [Fill]	ND	None	Dry	
2			42"-46" Orange/brown WOOD [Fill]				
			46" -48" Black fine to medium SAND and GRAVEL (Woodchips and Slag) [Fill]	0.3	None	Dry	
3							
				0.3	None	Dry	
4							
5							
	60"		0-6" SLOUGH [Fill]	ND	None	Dry	B14(6'-8')
6			6"-59" Brown grey fine SAND and SILT [Fill]				
			59"-60" Black fine to medium SAND, some Gravel (Slag) [Fill]	ND	None	Moist	
7							
				ND	None	Moist	
8							
						Wet	
9							
						Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B14(2'-3.5') and B14(6'-8') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 8'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B15

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:15	**Time: 14:35**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-2" ASPHALT	0.2	None	Dry	B15(0.5'-2')
1			2"-14" Grey-brown SAND, some Gravel (Rock, Slag), trace Silt [Fill]				
			14"-26" Black SAND (Coal-like), little Silt, little Gravel [Coal] [Fill]	ND	None	Dry	
2			26"-38" BRICK [Fill]				
			38"-50" Black SAND and GRAVEL (Brick, Rock, Slag, Coal), trace Silt [Fill]	ND	None	Dry	
3			50"-60" Green-brown SAND, little Silt, trace Gravel (Rock) [Fill]				
				7	None	Dry	
4							
				1.3			
5							
	60"		0-12" Grey-black fine to medium SAND and SILT, trace Gravel (Brick) [Fill]	ND	None	Dry	B15(8'-9')
6			12"-15" BRICK [Fill]				
			15"-36" Black SAND and GRAVEL (Slag) [Fill]	ND	None	Moist	
7			36"-48" Grey brown fine SAND, trace Silt, trace rock Gravel [Fill]				
			48"-60" Dark grey medium to fine SAND and SILT, some Gravel (Coal and Slag) [Fill]	ND	None	Moist	
8							
						Wet	
9							
						Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B15(0.5'-2') and B15(8'-9') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 8'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW6

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 09:10	**Time: 09:25**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** 2" Asphalt, 4" Concrete	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	30"		0-2" ASPHALT	ND	None	Dry	MW6(0.5'-2')
1			2"-6" Weathered CONCRETE				
			6"-30" Brown/black SAND, some Silt, trace Gravel (Coal fragments, Slag) [Fill]	ND	None	Dry	
2							
				ND	None	Moist	
3							
4							
5							
	42"		0-6" Dark brown SAND, some Silt, trace Gravel (Coal fragments, yellow Brick, Rock) [Fill]	ND	None	Moist	MW6(6'-7')
6							
			6"-12" Black SAND, trace Silt, trace Gravel (Coal, red Brick, Rock) [Fill]	ND	None	Moist	
7			12"-18" Grey SAND, trace Silt, trace Gravel [Coal]				
			18"-21" White CONCRETE [Fill]	ND	None	Moist	
8			21"-42" Grey-brown SAND (mostly medium), trace Silt			Wet	
9							
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW6(0.5'-2') and MW6(6'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 6.5'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW7

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 09:45	**Time:10:10**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** 6" Asphalt and Concrete	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-6" ASPHALT and pulverized CONCRETE	ND	None	Dry	
1			6"-42" BRICK and CONCRETE [Fill]				
				ND	None	Dry	
2							
	42"			ND	None	Dry	
3							
4							
5							
			0-6" BRICK [Fill]	ND	None	Moist	
6			6"-12" Brown fine to medium SAND, trace Silt, trace Gravel (Rock) [Fill]				
			12"-18" BRICK [Fill]	ND	None	Moist	
7			18"-24" Light gray SAND, little Gravel [Fill]				
	42"		24"-26" GRAVEL (Slag and Rock), some fine to medium Sand, little Wood (wet) [Fill]	4.2	None	Moist	MW7(6.5'-7.5')
8			26"-30" Brown medium to coarse SAND and BRICK (wet)				
			30"-40" Weathered CONCRETE (dry) [Fill]			Wet	
9			40"-42" Black fine to medium SAND, some Gravel (Wood, Rock) [Fill]				
10							
			0-30" Grey brown medium to coarse SAND, some Gravel (Wood, Rock, Slag), little Silt [Fill]	73.1	None	Moist	
11				12.2			
			30"-48" Light brown SAND and GRAVEL (Rock, red Brick) [Fill]		None	Moist	
12				2.3			
	48"				None	Wet	MW7(10'-11')
13				1.8			
					None	Wet	
14				ND			
					None	Wet	
15			End of Boring at 15'	ND			

Notes: **ND - Not Detected**

Samples MW7(6.5'-7.5') and MW7(10'-11') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 15'.

12'-13.5'; very wet, slight sheen on water.

Groundwater apparent at 13'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW8

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 09:35	**Time:10:00**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-3" ASPHALT	ND	None	Dry	
1			3"-6" Dark brown SAND (mostly coarse), trace Silt, trace Gravel, trace Wood fragments [Fill]	ND	None	Dry	
2			6"-12" Weathered CONCRETE [Fill]	ND	None	Dry	
3	54"		12"-54" Black SAND and GRAVEL (Slag, Coal fragments, Wood), trace Silt [Fill]	ND	None	Dry	MW8(2'-4')
4				ND	None	Dry	
5							
			0-18" Black/brown SAND, some Gravel (Slag, Coal fragments, Wood, red Brick), little Silt [Fill]	ND	None	Dry	
6			18"-24" Brown SILT, trace Sand, trace Gravel (Coal) [Fill]	ND	None	Moist	
7			24"-36" Orange-brown SAND, little Silt, little Gravel (Rock) [Fill]	ND	None	Wet	
8	36"			ND	None	Wet	MW8(5'-6.5')
9				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW8(2'-4') and MW8(5'-6.5') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 6.5'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW9-R1

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 08:15	**Time:08:25**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-6" ASPHALT and pulverized CONCRETE	0.3	None	Dry	
1			6"-12" Red BRICK [Fill]				
			12"24" Black SAND, trace Silt, little Gravel (Slag), Metal piece [Fill]	ND	None	Dry	
2			24"-60" CONCRETE [Fill]				
				3.3	None	Dry	
3							
				ND	None	Dry	
4			End of boring at 4' due to Refusal*				
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

No samples collected for laboratory analysis.
End of boring at 4' due to refusal.
*5' Recovery for 4' Core.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW9

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 08:30	**Time:08:45**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt and Dirt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-18" ASPHALT and pulverized CONCRETE	ND	None	Dry	
1			18"-19" BRICK [Fill]				
			19"-36" Black SAND and SILT, some Gravel (Slag, Coal, Brick, Rock) [Fill]	ND	None	Dry	
2							
	36"			ND	None	Dry	MW9(1.5'-3.5')
3							
				ND	None	Dry	
4							
				ND	None	Dry	
5							
			0-6" Black SAND and SILT, some Gravel (Slag, Coal, Brick, Rock) [Fill]	ND	None	Moist	
6			6"-12" Light brown and black SILT and fine SAND [Fill]				
			12"-24" GRAVEL and SAND (Slag) [Fill]	ND	None	Wet	
7			24"-30" Light brown Fine to medium SAND, trace Gravel.				
	36"		30"-36" Grey SILT and fine to medium SAND, trace Clay, Wood fragments throughout	ND	None	Wet	MW9(5'-6')
8							
				ND	None	Moist	
9							
				ND	None	Wet	
10							
			0-6" WOOD fragments and SAND (Slough)	ND	None	Wet	
11			6"-24" Brown SILT, trace Sand, trace rock Gravel				
			24"-30" Grey-brown medium SAND	ND	None	Wet	
12							
	30"			ND	None	Wet	
13							
				ND	None	Wet	
14							
15			End of Boring at 15'				

Notes: **ND - Not Detected**

Samples MW9(1.5'-3.5') and MW9(5'-6') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 15'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW10

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 11:15	**Time:11:25**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** 4" Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	48"		0-4" ASPHALT	ND	None	Dry	MW10(0.5'-2')
1			4"-36" SAND and GRAVEL (Slag, Coal, Rock, red Brick), trace Wood fragments [Fill]				
			36"-48" Light brown SAND and SILT, trace Gravel (Rock, Slag) [Fill]	ND	None	Dry	
2							
				ND	None	Dry	
3							
				ND	None	Moist	
4							
				ND	None	Moist	
5							
	42"		0-21" Black and brown SAND, some Silt, trace Gravel (Slag, Rock, Wood) [Fill]	ND	None	Moist	MW10(5'-7')
6			21"-42" Fine to medium grey brown SAND and SILT				
				ND	None	Wet	
7							
				ND	None	Wet	
8							
						Wet	
9							
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW10(0.5'-2') and MW10(5'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW11

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 12:25	**Time:12:45**
Date: 06-26-03	**Date: 06-26-03**
Page 1 of 2	

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-6" ASPHALT	ND	None	Dry	
1			6"-24" Black GRAVEL and SAND (red Brick, Slag), trace Silt [Fill]				
			24"-30" CONCRETE [Fill]	ND	None	Dry	
2			30"-42" Orange-brown fine SAND and SILT				
	42"			ND	None	Dry	
3							
				ND	None	Dry	MW11(0.5'-2')
4							
				ND	None	Moist	
5							
			0-6" Black GRAVEL and SAND (Slough)	ND	None	Moist	
6			6"-30" Orange-brown medium to fine SAND, trace Silt				
			30"-36" Orange-brown SILT and CLAY, trace fine Sand	ND	None	Moist	
7							
	36"			ND	None	Moist	
8							
				ND	None	Moist	MW11(7'-9')
9							
				ND	None	Moist	
10							
			0-12" Black GRAVEL and SAND (Slough)	ND	None	Moist	
11			12"-60" Light orange-brown CLAY, some Silt, trace fine Sand in lenses				
				ND	None	Moist	
12							
	60"			ND	None	Moist	
13							
				ND	None	Moist	
14							
				ND	None	Moist	
15							

Notes: **ND - Not Detected**

Samples MW11(0.5'-2') and MW11(7'-9') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 20'.

Moist soil apparent at approximately 4'. Wet soil was not encountered possibly due to high clay content of soil.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW11

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 12:25	**Time:12:45**
Date: 06-26-03	**Date: 06-26-03**
Page 2 of 2	

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition:	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-18" (Slough)	ND	None		
16			18"-60" Orange-brown CLAY, some Silt				
				ND	None		
17							
	60"			ND	None		
18							
				ND	None		
19							
				ND	None		
20			End of Boring at 20'				
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Notes: **ND - Not Detected**

Samples MW11(0.5'-2') and MW11(7'-9') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 20'.

Moist soil apparent at approximately 4'. Wet soil was not encountered possibly due to high clay content of soil.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW12

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 13:30	**Time:13:45**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** 2" Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-2" ASPHALT	ND	None	Dry	
1			2"-36" Light brown medium to fine SAND, trace Silt, trace Gravel (Brick, Rock) [Fill]	ND	None	Dry	
2	36"			ND	None	Dry	MW12(0.5'-2')
3				ND	None	Dry	
4				ND	None	Dry	
5							
			0-12" Light brown SAND, trace Silt, trace rock Gravel [Fill]	ND	None	Moist	
6			12"-18" Black medium to fine SAND, trace Silt, trace rock Gravel			Wet	
7				ND	None	Wet	
8	18"			ND	None	Wet	MW12(4.5'-5.5')
9				ND	None	Wet	
10			End of Boring at 10'	ND	None	Wet	
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW-12(0.5'-2') and MW-12(4.5'-5.5') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 6'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW13

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:00	**Time:14:15**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	36"		0-6" ASPHALT	ND			MW13(0.5'-2')
1			6"-12" Medium to coarse black SAND, trace Silt, trace Gravel (Brick, Rock, Slag) [Fill]				
			12"-18" BRICK [Fill]	ND			
2			18"-24" Slag GRAVELand grey coarse SAND [Fill]				
			24"-27" BRICK [Fill]	ND			
3			27"-30" Grey Slag GRAVEL and coarse SAND [Fill]				
			30"-36" Black SAND, little Silt, trace Gravel (Rock and Coal) [Fill]	ND			
4							
				ND			
5							
	36"		0-30" Orange-brown SAND, little Gravel (Rock fragments, Brick, Slag) [Fill]	ND			MW13(5'-7')
6			30"-36" Dark grey SAND and GRAVEL (Slag, Rock, Wood, Coal), trace Silt [Fill]				
				ND			
7							
				ND			
8							
				ND			
9							
				ND			
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW13(0.5'-2') and MW13(5'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boting at 10'.

Odor and moisture were not recorded for MW13.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW14

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 13:00	**Time:13:15**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-30" ASPHALT, BRICK, CONCRETE [Fill]	0.4	None	Dry	
1			30"-33" Dark grey SAND, trace Silt, trace Gravel [Fill]				
			33"-60" Orange-brown fine SAND and SILT [Fill]	0.4	None	Dry	
2							
	60"			0.4	None	Dry	MW14(3'-4')
3							
				1.1	None	Dry	
4							
				0.9	None	Moist	
5							
			0-24" Light brown fine SAND and SILT, trace Gravel (Brick fragments) [Fill]	ND	None	Moist	
6			24"-28" BRICK [Fill]				
			24"-34" GRAVEL and black SAND (Slag fragments) [Fill]	0.8	None	Moist	
7			34"-48" Grey-brown medium to fine quartz SAND				
	48"			0.6	None	Wet	MW14(6'-8')
8							
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW14(3'-4') and MW14(6'-8') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring 10'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW15

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:45	**Time:15:00**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-6" ASPHALT and CONCRETE	6.5	None	Dry	
1			6"-24" Gray-black SAND, some Gravel (red Brick, Slag, Rock, Concrete) [Fill]				
			24"-32" Light brown fine to medium SAND, some Silt, some Gravel (red Brick, Wood, Coal, Slag) [Fill]	6.2	None	Dry	
2							
	60"		32"-60" Grey-brown fine to medium SAND, trace Silt, some Gravel (red Brick, Wood, Coal, Slag) [Fill]	1.9	None	Dry	MW15(0.5'-2')
3							
				0.7	None	Dry	
4							
				0.6	None	Dry	
5							
			0-6" SLOUGH [Fill]	1.2	None	Dry	
6			6"-15" Red BRICK [Fill]				
			15"-27" Grey-brown SAND, trace Silt, trace Gravel (Slag, Rock) [Fill]	0.3	None	Moist	
7			27"-36" Coarse to medium SAND and GRAVEL (Slag), trace Silt [Fill]				
	36"			0.2	None	Wet	MW15(6'-8')
8							
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW15(0.5'-2') and MW15(6'-8') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW16

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 13:50	**Time:14:05**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-6" ASPHALT and CONCRETE	ND	None	Dry	
1			6"-24" Black SAND, some Silt, some Gravel (red Brick, Slag, Rock, Coal) [Fill]	ND	None	Dry	
2			24"-33" Grey-brown fine to medium SAND and GRAVEL (Slag, Rock, red Brick) [Fill]	ND	None	Dry	
	42"		33"-37" Black COAL, coarse Sand, trace Silt [Fill]				MW-16(0.5'-2')
3			37"-42" BRICK [Fill]	ND	None	Dry	
4				ND	None	Dry	
5							
			0-12" Grey-brown SAND and GRAVEL (red Brick, Rock, Slag) [Fill]	1.2	None	Dry	
6			12"-18" Red BRICK [Fill]				
			18"-60" Fine to medium black SAND (Coal-like), some Silt [Fill]	0.3	None	Dry	
7				0.2	None	Moist	
	60"						MW-16(8.5'-9.5')
8				ND	None	Moist	
9				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW16(0.5'-2') and MW16(8.5'-9.5') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.

Groundwater at approximately 9.5'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-6

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 08:05	**Time:** 09:15
Weather:	85F, Clear	**Date:** 06-30-03	**Date:** 06-30-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-13' Black/brown SAND, trace Silt, trace Gravel (rock, slag).
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 13'.	
5		2" PVC well riser 0 - 3'.	
6		2" PVC 20-slot well screen 3' - 13'.	
7			
8			
9			
10			
11			
12			
13		Bottom of well 13'.	
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 6.8'.
Soil samples were not collected during well installation.

AKRF, Inc.	Greenpoint Lumber Yard, Greenpoint, Brooklyn AKRF Project Number : 30260		Well No. MW-7 Sheet 1 of 1	
Environmental Consultants 116 East 27th Street, 7th Fl. New York, NY 10016	**Drilling Method:**	Truck-mounted, Hollow Stem Auger	**Drilling**	
	Sampling Method:	No sampling conducted	**Start**	**Finish**
	Driller :	ADT	**Time:** 10:45	**Time:** 11:30
	Weather:	90F, Clear	**Date:** 07-2-03	**Date:** 07-2-03
	Logged by:	SDR	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-14' Brown/Red SAND and BRICK, trace Silt, mild organic-like odor
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 14'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 4' - 14'.	
7			
8			
9			
10			
11			
12			
13			
14		Bottom of well 14'.	
15			
16			
17			
18			
19			
20			

Notes:
No depth to groundwater readings were collected for MW-7.
Soil samples were not collected during well installation.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-8

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 09:35	**Time:** 10:20
Weather:	85F, Clear	**Date:** 06-30-03	**Date:** 06-30-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-13' Black SAND, trace Silt, trace Gravel
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 13'.	
5		2" PVC well riser 0 - 3'.	
6		2" PVC 20-slot well screen 3' - 13'.	
7			
8			
9			
10			
11			
12			
13		Bottom of well 13'.	
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 6.5'.
Soil samples were not collected during well installation.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-9

Sheet 1 **of** 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 11:35	**Time:** 12:20
Weather:	85F, Clear	**Date:** 07-1-03	**Date:** 07-1-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Dirt and Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-13' No description was recorded
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 13'.	
5		2" PVC well riser 0 - 3'.	
6		2" PVC 20-slot well screen 3' - 13'.	
7			
8			
9			
10			
11			
12			
13		Bottom of well 13'.	
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 9.4'.
Soil samples were not collected during well installation.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-10

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 10:45	**Time:** 11:30
Weather:	85F, PC	**Date:** 06-30-03	**Date:** 06-30-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-14' Black/Brown SAND, little Gravel, wet light brown SILT, some sand, trace Clay
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 14'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 4' - 14'.	
7			
8			
9			
10			
11			
12			
13			
14		Bottom of well 14'.	
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 7'.
Soil samples were not collected during well installation.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-11

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 07:20	**Time:** 08:15
Weather:	85F, Sunny	**Date:** 07-2-03	**Date:** 07-2-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-15' Black/Brown SAND, trace Gravel, trace Silt, trace Clay, light brown wet CLAY and SILT.
3		Bentonite seal 1' - 3'.	
4		Number 1 grade sand pack 3' - 15'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 5' - 15'.	
7			
8			
9			
10			
11			
12			
13			
14			
15		Bottom of well 15'.	
16			
17			
18			
19			
20			

Notes:

No depth to groundwater measurments were collected during well installation. The depth to groundwater reading of approximately 12' below grade was collected during well development.

Soil samples were not collected during well installation.

AKRF, Inc.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-12A

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 14:00	**Time:** 15:15
Weather:	85F, Sunny	**Date:** 06-30-03	**Date:** 06-30-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-15' Dark brown SILT and SAND, trace Gravel, wet, no odor, no NAPL
3		Bentonite seal 1' - 3'.	
4		Number 1 grade sand pack 3' - 15'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 5' - 15'.	
7			
8			
9			
10			
11			
12			
13			
14			
15		Bottom of well 15'.	
16			
17			
18			
19			
20			

Notes:

Groundwater apparent at 8'

Soil samples were not collected during well installation.

MW-12A is located approximately 100' south of boring B12. This relocation is due to the refusal we encountered when trying to install MW-12 near B12.

AKRF, Inc.	Greenpoint Lumber Yard, Greenpoint, Brooklyn AKRF Project Number : 30260		Well No. MW-13 Sheet 1 of 1	
Environmental Consultants 116 East 27th Street, 7th Fl. New York, NY 10016	**Drilling Method:**	Truck-mounted, Hollow Stem Auger	**Drilling**	
	Sampling Method:	No sampling conducted	**Start**	**Finish**
	Driller :	ADT	**Time:** 13:30	**Time:** 14:00
	Weather:	80F, Overcast	**Date:** 06-30-03	**Date:** 06-30-03
	Logged by:	JEF	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-15' Brown and dark grey stained SAND and SILT, trace rock Gravel, wet, moderate petroleum-like odor, sleight sheen on water.
3		Bentonite seal 1' - 3'.	
4		Number 1 grade sand pack 3' - 15'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 5' - 15'.	
7			
8			
9			
10			
11			
12			
13			
14			
15		Bottom of well 15'.	
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 6.2'
Sample of soil collected for waste characterization
The bottom plug of the 2" PVC well screen came out and MW13 filled with sand to -2' below grade. MW13 was overdrilled and MW13A was constructed in its place.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. **MW-13A**

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 09:55	**Time:** 11:12
Weather:	85, Sunny	**Date:** 07-1-03	**Date:** 07-1-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-12' No description was recorded
3		Bentonite seal to surface	
4		Number 1 grade sand pack 1' - 12'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 2' - 12'.	
7			
8			
9			
10			
11			
12		Bottom of well at 12'	
13			
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 5'.
Soil samples were not collected during well installation.
The bottom plug of the 2" PVC well screen came out and MW13 filled with sand to 2' below grade. MW13 was overdrilled and MW13A was constructed in its place.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-14

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 13:45	**Time:** 14:25
Weather:	85F, Sunny	**Date:** 07-1-03	**Date:** 07-1-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-14' No description was recorded
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 14'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 4' - 14'.	
7			
8			
9			
10			
11			
12			
13			
14		Bottom of well 14'.	
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 8.5'
Soil samples were not collected during well installation.

AKRF, Inc.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-15

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 09:45	**Time:** 10:25
Weather:	90F, Sunny	**Date:** 07-2-03	**Date:** 07-2-03
Logged by:	SDR	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Dirt, Gravel, and Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-14' Brown SAND, some Rock, Gravel, trace Silt, moist.
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 14'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 4' - 14'.	
7			
8			
9			
10			
11			
12			
13			
14		Bottom of well 14'.	
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 8'.
Soil samples were not collected during well installation.

AKRF, Inc.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-16

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 08:34	**Time:** 09:33
Weather:	87F, Sunny	**Date:** 07-2-03	**Date:** 07-2-03
Logged by:	SDR	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Dirt and Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-13' Black/brown SAND, some Gravel, trace Silt, wet towards bottom.
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 13'.	
5		2" PVC well riser 0 - 3'.	
6		2" PVC 20-slot well screen 3' - 13'.	
7			
8			
9			
10			
11			
12			
13		Bottom of well 13'.	
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 9'.
Soil samples were not collected during well installation.

APPENDIX B
WELL DEVELOPMENT AND SAMPLING LOGS

AKRF, Inc.

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	SDR	**MW-6**
Date:	07/01/03	**Time:**	07:27	
Total Depth:	13 ft.	**Well Diameter:**	2 in.	
Depth to Water:	6.6 ft.	**Well Volume*:**	1.0432 gal.	
Water Column (WC):	6.4 ft.	****PID at surface:**	1.5 ppm	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
07:30 WELL RAN DRY								Well was purged for 3 minutes before it ran dry; not enough time to collect readings
07:35	1.5L/16s	>1000	15.35	0.959	1.03/9.7	***	73	
07:38 WELL RAN DRY								
07:45	1.5L/16s	900	16.34	0.968	1.07/10.1	***	68	
07:47 WELL RAN DRY								
07:55	1.5L/16s	450	16.01	0.967	1.37/12.1	***	62	
07:57 WELL RAN DRY								

07:57 MW-6 considered developed. Well ran dry 4 times and approximately 7 well volume purged.

Total Volume Purged:

Approximately 7 gallons

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

AKRF, Inc.

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS, SDR, JEF
Date:	07-02-03	**Time:**	13:05:00 AM
Total Depth:	13.9 ft. (TOM)	**Well Diameter:**	2 in.
Depth to Water:	8.1 ft. (TOM)	**Well Volume*:**	0.945 gal.
Water Column (WC):	5.8 ft.	****PID at surface:**	13.8 ppm

Well No: **MW-7**

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
13:10	6L/min	>1000	14.36	3.65	0.83	***		
13:15	**MW-7 RAN DRY**							Well was purged for 3 minutes - not enough time to collect readings
13:20	**MW-7 RAN DRY**							Well was purged for 30 seconds - not enough time to collect readings
13:25	**MW-7 RAN DRY**							Well was purged for 30 seconds - not enough time to collect readings
13:30	**MW-7 RAN DRY**							Well was purged for 7 seconds - not enough time to collect readings
13:35	**MW-7 RAN DRY**							Well was purged for 13 seconds - not enough time to collect readings

13:35 MW-7 considered developed.

Approximately 5 gallons (five well volumes) purged.

Well ran dry four times.

Turbidity at 290 NTU.

Water was clear by the end of development.

Total Volume Purged:

Approximately 5 gallons

Notes: *= 0.163 * WC for 2" wells **Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	SDR	**MW-8**
Date:	07/01/03	**Time:**	07:27	
Total Depth:	13.45 ft.	**Well Diameter:**	2 in.	
Depth to Water:	8.4 ft.	**Well Volume*:**	0.82315 gal.	
Water Column (WC):	5.05 ft.	****PID at surface:**	ND	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
08:27	1.5L/16s	>1000	16.99	32.2	3.14/34.2	***	106	
08:28 WELL RAN DRY								
08:34	1.5L/16s	>1000	21.98	30.3	3.90/42.8	***	107	
08:35 WELL RAN DRY								
08:40	1.5L/16s	>1000	27.60	31	4.48/49.5	***	98	
08:40 WELL RAN DRY								Well was purged for approximately 15 seconds before it ran dry; not enough time to collect readings.
08:47	1.5L/16s	>1000	26.70	31	4.71/53.2	7.33	92	
08:47 WELL RAN DRY								Well was purged for approximately 30 seconds before it ran dry; not enough time to collect readings.

08:47 MW-8 considered developed. Well ran dry 4 times. Approximately 4 well volumes purged.

Total Volume Purged:

Approximately 3.5 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	JEF	**MW-9**
Date:	07/02/03	**Time:**	07:30	
Total Depth:	13.45 ft.	**Well Diameter:**	2 in.	
Depth to Water:	8.4 ft.	**Well Volume*:**	0.82315 gal.	
Water Column (WC):	5.05 ft.	****PID at surface:**	ND	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
08:15	1.5L/15s	>1000	14.27	2.01	4.85/35.8	***	23	Well ran dry after 1 minute of pumping
08:16 WELL RAN DRY								
08:30	1.5L/16s	>1000	15.17	2.42	6.35/54.2	***	27	Well ran dry after 30 seconds of pumping
08:30 WELL RAN DRY								
08:40	1.5L/16s	>1000	15.36	2.51	3.75/33.1	***	27	
08:40 WELL RAN DRY								Well ran dry after 30 seconds of pumping
08:50	****	****	****	****	****	***	****	

WELL RAN DRY TOO QUICKLY TO GET ANY READINGS

8:50 MW-9 considered developed. Well ran dry 4 times.

Total Volume Purged:

Volume not recorded.

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

****No data gathered

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	JEF
Date:	07/01/03	**Time:**	11:00
Total Depth:	14.35 ft. (TOM) 13.8 ft. (TOC)	**Well Diameter:**	2 in.
Depth to Water:	6.48 ft. (TOM) 6.0 ft. (TOC)	**Well Volume*:**	1.27 gal.
Water Column (WC):	5.05 ft.	****PID at surface:**	ND

Well No:

MW-10

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
11:05	1.5L/15s	50	16.96	2.54	5.11/41.8	***	18	
11:10	1.5L/15s	50	14.8	2.63	4.85/18.5	***	30	
11:11 WELL RAN DRY								
11:17	1.5L/15s	220	14.56	2.6	2.62/2.21	***	19	
11:17 WELL RAN DRY								Well ran dry in approximately 30 seconds
11:22	1.5L/15s	140	15.07	2.57	3.44/34.1	***	30	
11:22 WELL RAN DRY								Well ran dry in approximately 30 seconds
11:27	1.5L/16s	290	15.79	2.59	3.30/35.7	7.33	20	
11:27 WELL RAN DRY								Well ran dry in approximately 45 seconds

11:27 MW-10 considered developed. Well ran dry 4 times. Approximately 3 well volumes purged.

Total Volume Purged:

Approximately 4 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

TOC=Top of Casing

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Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS/JEF	**MW-11**
Date:	07/02/03	**Time:**	10:00	
Total Depth:	15 ft. (TOC)	**Well Diameter:**	2 in.	
Depth to Water:	12.5 ft. (TOC)	**Well Volume*:**	0.4075 gal.	
Water Column (WC):	2.5 ft.	****PID at surface:**	0.7 ppm	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
10:00	1.5L/15s	>1000	17.29	1.01	4.26/****	***	****	
10:02 WELL RAN DRY								
10:07	1.5L/15s	>1000	17.17	1.02	2.93/****	***	****	
10:08 WELL RAN DRY								
10:13	1.5L/15s	>1000	17.06	1.025	3.15/****	***	****	
10:14 WELL RAN DRY								
10:19	1.5L/15s	>1000	17.2	1.023	3.05/****	***	****	
10:20 WELL RAN DRY								

10:20 MW-11 considered developed. Well ran dry 4 times. Approximately 4 well volumes purged.

Total Volume Purged:

Approximately 4 gallons

Notes: *= 0.163 * WC for 2" wells **Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken ****No data gathered

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	SDR
Date:	07/01/03	**Time:**	09:38
Total Depth:	13.5 ft. (TOC) 13.75 ft. (TOM)	**Well Diameter:**	2 in.
Depth to Water:	5.1 ft. (TOC) 5.4 ft. (TOM)	**Well Volume*:**	1.3692 gal.
Water Column (WC):	8.4 ft.	****PID at surface:**	1.4 ppm

Well No:

MW-12A

Time	Pump Rate	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
09:52	1.5L/15s	>1000	15.99	1.59	4.06/33.1	***	17	
09:57	1.5L/15s	>1000	16.02	1.59	1.90/19.3		9	
09:57 WELL RAN DRY								
10:08 WELL RAN DRY								
10:01	1.5L/25s	>1000	16.12	1.59	1.56/14.4	***	24	Black sediment
10:05	1.5L/25s	>1000	15.89	1.56	2.37/23.8	***	18	
10:10	1.5L/25s	950	15.83	1.57	2.54/25.9	***	18	Flow has decreased
10:14 WELL RAN DRY								
10:15	1.5L/25s	100	15.87	1.56	11.67/17.2	***	14	
10:21	1.5L/30s	160	15.78	1.57	2.62/26.7	***	15	
10:25	1.5L/30s	160	15.77	1.57	2.90/29.2	***	17	
10:29	1.5L/30s	150	15.79	1.58	2.89/28.8	***	16	
10:29 MW-12A considered developed. Well parameters stabilized. Approximately 14 well volumes purged.								

Total Volume Purged:

Approximately 20 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

TOM=Top of Manhole

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	JEF
Date:	07/01/03	**Time:**	11:45
Total Depth:	12.45 ft. (TOC) 12.0 ft. (TOM)	**Well Diameter:**	2 in.
Depth to Water:	6.08 ft. (TOC) 6.5 ft. (TOM)	**Well Volume*:**	.978 gal.
Water Column (WC):	6 ft	****PID at surface:**	ND

Well No:

MW-13

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
11:47	1.5L/15s	>1000	18.86	2.31	2.19/20.3	***	13	
11:53	1.5L/15s	210	16.8	2.16	3.53/36.1	***	-31	
11:56	1.5L/15s	110	16.72	2.14	3.69/38.2	***	-33	
12:00	1.5L/15s	80	16.69	2.13	3.47/36.0	***	-36	
12:05	1.5L/15s	45	16.55	2.12	3.32/34.4	***	-37	
12:10	1.5L/15s	50	16.54	2.11	3.60/*	***	****	

10:29 MW-13 considered developed. Well parameters stabilized. Approximately 20 well volumes purged.

Total Volume Purged:

Approximately 20 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

****No data gathered

TOM= Top of Manhole

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS, JEF	**MW-14**
Date:	07/01/03	**Time:**	10:45	
Total Depth:	14.00 ft. (TOM)	**Well Diameter:**	2 in.	
Depth to Water:	8.80 ft. (TOM)	**Well Volume*:**	.685 gal.	
Water Column (WC):	4.2 ft.	****PID at surface:**	2.0 ppm	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
10:48	6L/min	>1000	15.19	1.001	3.12/*	***	****	
10:51	6L/min	850	14.72	0.978	0.80/*	***	****	
10:53	6L/min	400	14.71	0.962	0.71/*	***	****	
10:55	6L/min	95	14.68	0.953	0.63/*	***	****	
10:57	6L/min	45	14.66	0.944	0.52/*	***	****	
10:59	6L/min	31	14.66	0.941	0.46/*	***	****	

10:59 MW-14 considered developed. Well parameters stabilized. Approximately 8 well volumes purged.

Total Volume Purged:

Approximately 6 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken ****No data gathered

TOM= Top of Manhole

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Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS, SDR
Date:	07/02/03	**Time:**	12:20
Total Depth:	14.3 ft.	**Well Diameter:**	2 in.
Depth to Water:	9.5 ft. TOM	**Well Volume*:**	0.7824 gal.
Water Column (WC):	4.8 ft.	****PID at surface:**	1.2 ppm

Well No:

MW-15A

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
12:28	6L/min	>1000	17.20	1.015	1.83/*	***	****	Cloudy
12:32	6L/min	350	15.25	0.971	0.30/*	***	****	Clear
12:37	6L/min	260	14.95	0.962	0.21/*	***	****	Clear
12:44	6L/min	60	14.45	0.952	0.12/1.2	***	30	
12:50	6L/min	15	14.51	0.949	0.12/1.1	***	30	
12:53	6L/min	45	14.47	0.947	.11/1.1	***	30	
12:58	6L/min	45	14.5	0.947	.11/1.1	***	30	

12:58 MW-15A considered developed. Well parameters stabilized. Approximately 17 well volumes purged.

Total Volume Purged:

Approximately 13.26 gallons

Notes: *= 0.163 * WC for 2" wells **Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken ****No data gathered TOM= Top of Manhole

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS, JEF
Date:	07/02/03	**Time:**	11:30
Total Depth:	13.5 ft.	**Well Diameter:**	2 in.
Depth to Water:	6.65 ft. TOM	**Well Volume*:**	1.133 gal.
Water Column (WC):	6.95 ft.	****PID at surface:**	0.6 ppm

Well No: **MW-16**

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
11:45	6L/min	>1000	16.87	1.189	1.91/*	***	****	Cloudy
11:50	6L/min	160	16.39	1.52	0.43/*	***	****	Clear
11:55	6L/min	70	16.37	1.52	0.33/*	***	****	Clear
12:00	6L/min	75	16.35	1.52	0.25/*	***	****	
12:02	**WE SURGED THE WELL**							
12:10	6L/min	75	16.32	1.52	0.18/*	***	****	
12:12	6L/min	35	16.31	1.52	0.20/*	***	****	

12:15 MW-16 considered developed. Turbidity < 50ppm. Approximately 4.5 well volumes purged.

Total Volume Purged:

Approximately 5 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken ****No data gathered

TOM= Top of Manhole

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS, JEF**
Date:	**07-14-03**	**Time:**	**07:15**
PID at surface:	**0.2 ppm**		

Well No: **MW6**

Total Depth:	**12.76' TOC** **13.21' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**5.63' TOC** **6.10' TOM**	**Well Volume*:**	**1.162 gal.**
Water Column (WC):	**7.13'**		**x3=3.486 gal.**
Depth to top of screen:	**3'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**13'**	**Geotech Geopump 2**	
Pump intake:	**10'**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
07:43	5.83'	1L/3min	18.40	1	2.06	6.9	23	80	Clear
07:48	5.83'	1L/3min	17.56	0.994	0.73	6.9	19	50	Slight sheen
07:53	5.83'	1L/3min	17.19	0.999	0.59	6.8	23	50	
07:58	5.83'	1L/3min	17.34	0.995	0.5	6.9	17	39	
08:03	5.83'	1L/3min	17.32	1	0.45	7	15	31	No odor
08:08	5.83'	1L/3min	17.30	1.006	0.41	6.9	11	18	
08:13	5.83'	1L/3min	17.23	1.007	0.39	6.9	8	7.8	
08:18	5.83'	1L/3min	17.29	1.006	0.39	6.9	6	4.9	
08:23	5.83'	1L/3min	19.27	1.003	0.38	6.9	7	4.9	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3.5 gallons purged over 40 minutes. All parameters stabilized except for turbidity and ORP.**

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Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS, JEF**
Date:	**07-14-03**	**Time:**	
PID at surface:	**0.8 ppm**		

Well No: **MW7**

Total Depth:	**13.7' TOC** **14.4' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**8' TOC** **6.4' TOM**	**Well Volume*:**	**0.9291 gal.**
Water Column (WC):	**5.7'**		**x3=2.79 gal.**
Depth to top of screen:	**4'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**14'**	**Geotech Geopump 2**	
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
10:15	8.2'	500mL/min	17.07	4.13	2.64	12.2	-80	45	Clear
10:20	8.2'	500mL/min	17.04	3.61	0.31	12.1	-80	50	Slight sheen
10:25	8.2'	500mL/min	17.19	2.17	0.27	12	-89	34	
10:30	8.2'	500mL/min	17.15	2.02	0.22	11.9	-110	26	
10:35	8.2'	500mL/min	17.10	2.02	0.17	11.9	-118	19	
10:40	8.2'	500mL/min	17.09	1.99	0.17	11.9	-126	32	
10:45	8.2'	500mL/min	17.11	1.97	0.17	11.8	-130	26	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged. All parameters stabilized within 10%. Turbidity = 26 NTU.**

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Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS, JEF**
Date:	**07-14-03**	**Time:**	**08:55**
PID at surface:	**ND**		

Well No: **MW8**

Total Depth:	**12.60' TOC** **13.35' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**6.1' TOC** **6.85' TOM**	**Well Volume*:**	**1.06 gal**
Water Column (WC):	**6.5'**		**x3=3.18gal.**
Depth to top of screen:	**3'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**13'**	**Geotech Geopump 2**	
Pump intake:	**10'**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
08:57	6.7'	500mL/min	20.15	35.5	5	7.2	104	38	Clear
09:02	6.7'	500mL/min	20.61	35.3	6.75	7.2	127	5.5	No sheen
09:07	6.7'	500mL/min	20.60	35.3	6.77	7.2	127	1.1	No odor
09:12	6.7'	500mL/min	20.59	35.3	6.59	7.2	127	0.85	
09:17	6.7'	500mL/min	20.61	35.3	6.4	7.2	126	0.8	
09:22	6.7'	500mL/min	20.60	35.3	6.42	7.2	126	0.55	
09:27	6.7'	500mL/min	20.60	35.3	6.23	7.2	125	0.6	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3.5 gallons purged (30 minutes purging). All parameters stabilized within 10%. Turbidity < 1 NTU.**

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Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**SDR/MSS**
Date:	**07-14-03**	**Time:**	**14:35**
PID at surface:	**ND**		

Well No: **MW9**

Total Depth:	**12.85' TOC** **13.15' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**8.65' TOC** **8.95 TOM**	**Well Volume*:**	**.6846 gal**
Water Column (WC):	**4.2'**		**x3=2.05gal.**
Depth to top of screen:	**3'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**13'**	**Geotech Geopump 2**	
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
14:40	8.85'	500mL/min	16.05	1.9	1.2	7	-13	40	
14:45	8.85'	500mL/min	17.37	1.84	1.09	6.9	-10	17	
14:50	8.85'	500mL/min	16.74	1.75	1.26	6.9	-4	5.4	
14:55	8.85'	500mL/min	18.05	1.8	1.18	6.9	-3	4.2	
15:00	8.85'	500mL/min	17.37	1.82	1.15	6.9	-4	6.2	
15:05	8.85'	500mL/min	17.33	1.93	0.88	6.9	-6	6	
15:10	8.85'	500mL/min	17.51	1.94	0.83	6.9	-6	5.5	
15:15	8.85'	500mL/min	17.88	1.92	0.85	6.9	-5	5.5	
15:20	8.85'	500mL/min	17.57	1.9	0.87	6.9	-6	5.3	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 2 gallons purged. All parameters stabilized within 10%. Turbidity = 5.3 NTU.**

AKRF, Inc.

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Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF/SDR**
Date:	**07-14-03**	**Time:**	**15:30**
PID at surface:	**0.2 ppm**		

Well No: **MW10**

Total Depth:	**13.95' TOC** **14.4' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**5.95' TOC** **6.4' TOM**	**Well Volume*:**	**1.304 gal**
Water Column (WC):	**8'**		**x3=3.914 gal.**
Depth to top of screen:	**4'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**14'**	**Geotech Geopump 2**	
Pump intake:	**6.2'**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
15:45	6.2'	500mL/min	20.80	2.53	1.79	7.4	-12	16	
15:50	6.2'	500mL/min	20.50	2.55	1.01	7.4	-14	21	
15:55	6.2'	500mL/min	20.49	2.55	0.41	7.4	-22	20	
16:00	6.2'	500mL/min	18.92	2.55	0.26	7.4	-27	30	
16:05	6.2'	500mL/min	19.54	2.53	0.21	7.4	-29	27	
16:10	6.2'	500mL/min	19.99	2.53	0.23	7.4	-32	23	
16:15	6.2'	500mL/min	20.50	2.56	0.21	7.4	-35	23	
16:20	6.2'	500mL/min	20.40	2.55	0.2	7.4	-37	20	
16:25	6.2'	500mL/min	20.00	2.57	0.19	7.4	-38	18	
16:30	6.2'	500mL/min	19.84	2.56	0.19	7.4	-39	18	
16:35	6.2'	500mL/min	19.87	2.56	0.19	7.4	-40	18	
16:40	6.2'	500mL/min	19.83	2.57	0.19	7.4	-40	18	
16:45	6.2'	500mL/min	19.84	2.56	0.19	7.4	-40	18	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged (<3 well volumes). Pump rate was very low due to very low recharge. All parameters stabilized within 10% for last 4 readings over 20 minutes. Turbidity = 18 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF/SDR**
Date:	**07-14-03**	**Time:**	**10:00**
PID at surface:	**NOT WORKING**		

Well No: **MW11**

Total Depth:	**14.85' TOC** **15.05' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**12.2' TOC** **12.5' TOM**	**Well Volume*:**	**0.432 gal**
Water Column (WC):	**2.65'**		**x3=1.30 gal.**
Depth to top of screen:	**5'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**15'**	**Geotech Geopump 2**	
Pump intake:	**14"**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
10:03	12.4'	250mL/min	17.10	1.02	1.22	6.9	73	172	
10:08	12.4'	250mL/min	18.80	1.018	1.48	6.9	90	160	
10:13	12.4'	250mL/min	18.17	1.014	0.98	6.6	90	160	
10:18	12.4'	250mL/min	18.00	1.013	0.73	6.6	89	50	
10:23	12.4'	250mL/min	17.82	1.015	0.65	6.6	88	15	
10:28	12.4'	250mL/min	17.54	1.017	0.62	6.6	87	7.5	
10:33	12.4'	250mL/min	17.56	1.02	0.62	6.6	85	3.1	
10:38	12.4'	250mL/min	17.84	1.02	0.61	6.6	85	2.2	
10:43	12.4'	250mL/min	17.76	1.031	0.65	6.6	86	1.8	
10:48	12.4'	250mL/min	18.00	1.021	0.63	6.6	84	1.6	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 1.5 gallons purged. All parameters stabilized within 10%. Turbidity = 1.6 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF**
Date:	**07-14-03**	**Time:**	**11:30**
PID at surface:	**0.9 ppm**		

Well No: **MW12A**

Total Depth:	**13.6' TOC** **13.8' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**5.4' TOC** **5.6' TOM**	**Well Volume*:**	**1.33 gal**
Water Column (WC):	**8.20'**		**x3=4 gal.**
Depth to top of screen:	**5'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**15'**	**Geotech Geopump 2**	
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
11:35	5.6'	500mL/min	19.42	1.383	1.16	7.6	-55	160	Moderate organic-like odor
11:40	5.6'	500mL/min	19.19	1.381	0.42	7.3	-37	220	
11:45	5.6'	500mL/min	18.63	1.415	0.3	7.2	-28	80	
11:50	5.6'	500mL/min	18.49	1.419	0.25	7.2	-26	45	
11:55	5.6'	500mL/min	18.40	1.422	0.21	7.1	-27	25	
12:00	5.6'	500mL/min	18.46	1.427	0.19	7.1	-28	14	
12:05	5.6'	500mL/min	18.36	1.429	0.18	7.2	-29	9.7	
12:10	5.6'	500mL/min	18.41	1.429	0.19	7.1	-30	9	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 4 gallons purged. All parameters stabilized within 10%. Turbidity = 9 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF**
Date:	**07-14-03**	**Time:**	**13:31**
PID at surface:	**3.9 ppm**		

Well No: **MW13A**

Total Depth:	**12.1' TOC** **12.38' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**6.32' TOC** **6.6' TOM**	**Well Volume*:**	**0.957 gal**
Water Column (WC):	**5.78'**		**x3=2.87 gal.**
Depth to top of screen:	**2'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**12'**	**Geotech Geopump 2**	
Pump intake:	**9'**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
13:36	6.5'	500mL/min	18.47	2.85	2.39	7.3	-24	29	Slight petroleum-like odor
13:41	6.5'	500mL/min	18.17	2.7	0.8	7.1	-15	19	
13:46	6.5'	500mL/min	18.65	2.52	0.68	7.1	-1	7.7	Clear
13:51	6.5'	500mL/min	18.68	2.44	0.62	7.1	-7	2.3	
13:56	6.5'	500mL/min	18.77	2.34	0.55	7.1	-26	1.1	
14:01	6.5'	500mL/min	18.57	2.28	0.4	7.1	-39	0.45	
14:06	6.5'	500mL/min	18.53	2.24	0.98	7.1	-48	0.35	
14:11	6.5'	500mL/min	18.48	2.22	0.51	7.1	-48	0.9	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged. All parameters stabilized within 10%. Turbidity <1 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**JEF/MSS**
Date:	**07-15-03**	**Time:**	**13:30**
PID at surface:	**4.1 ppm**		

Well No: **MW14**

Total Depth:	**13.84' TOC** **14.47' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**8.77' TOC** **9.4' TOM**	**Well Volume*:**	**0.826 gal**
Water Column (WC):	**5.07**		**x3=2.48gal.**
Depth to top of screen:	**4'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**14'**	**Geotech Geopump 2**	
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
08:45	8.9'	500mL/min	17.51	0.983	1.95	6.6	-14	45	
08:50	8.9'	500mL/min	16.39	0.953	0.49	6.8	2	16	Moderate organic-like odor, clear
08:55	8.9'	500mL/min	16.48	0.957	0.41	6.8	5	11	
09:00	8.9'	500mL/min	16.58	0.96	0.36	6.8	5	10	
09:05	8.9'	500mL/min	16.57	0.956	0.34	6.8	6	7.2	
09:10	8.9'	500mL/min	16.82	0.96	0.32	6.8	6	6.2	
09:15	8.9'	500mL/min	16.75	0.955	0.35	6.8	6	6.3	
09:20	8.9'	500mL/min	15.90	0.948	0.24	6.8	7	4.4	
09:25	8.9'	500mL/min	15.90	0.95	0.3	6.8	7	3.2	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged. All parameters stabilized within 10%. Turbidity = 3.2 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**JEF/MSS**
Date:	**07-15-03**	**Time:**	**13:30**
PID at surface:	**ND**		

Well No: **MW15A**

Total Depth:	**13.8' TOC**	**14.1' TOM**	**Well Diameter:**
Depth to Water:	**9.38' TOC**	**9.65' TOM**	**Well Volume*:**
Water Column (WC):	**4.42'**		
Depth to top of screen:	**4'**		**Purging Device (pump type):**
Depth to bottom of screen:	**14'**		**Geotech Geopump 2**
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
13:35	9.5'	500mL/min	16.01	0.89	1.48	6.9	11	>1000	
13:40	9.5'	500mL/min	16.02	0.953	0.58	6.9	16	280	
13:45	9.5'	500mL/min	15.99	0.958	0.39	6.9	20	29	
13:50	9.5'	500mL/min	16.02	0.962	0.35	6.9	22	10	
13:55	9.5'	500mL/min	16.00	0.963	0.33	6.9	24	4.8	
14:00	9.5'	500mL/min	15.98	0.967	0.3	6.9	25	3.4	
14:05	9.5'	500mL/min	15.93	0.965	0.29	6.9	25	2.7	
14:10	9.5'	500mL/min	15.89	0.964	0.29	6.2	24	3.4	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged. All parameters stabilized within 10%. Turbidity = 3.4 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/SDR/JEF**
Date:	**07-15-03**	**Time:**	**11:38**
PID at surface:	**ND**		

Well No: **MW16**

Total Depth:	**13.00' TOC** **13.54' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**5.28' TOC** **5.81' TOM**	**Well Volume*:**	**1.26 gal**
Water Column (WC):	**7.72'**		**x3=3.78 gal.**
Depth to top of screen:	**3'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**13'**	**Geotech Geopump 2**	
Pump intake:	**7"**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
11:46	5.4'	500mL/min	18.88	1.77	0.47	7.1	-1	17	
11:51	5.4'	500mL/min	18.69	1.79	0.29	7.1	-3	11	
11:56	5.4'	500mL/min	18.65	1.79	0.24	7.1	-4	5	
12:01	5.4'	500mL/min	18.69	1.78	0.2	7.1	-6	2.7	
12:06	5.4'	500mL/min	18.70	1.78	0.19	7.1	-7	1.7	
12:11	5.4'	500mL/min	18.69	1.78	0.19	7.1	-8	1.2	
12:16	5.4'	500mL/min	18.73	1.78	0.17	7.1	-9	1.1	
12:21	5.4'	500mL/min	18.72	1.78	0.17	7.1	-10	1.2	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 4 gallons purged. All parameters stabilized within 10%. Turbidity = 1.2 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF**
Date:	**07-14-03**	**Time:**	**14:35**
PID at surface:	**ND**		

Well No: **FOUND WELL**

Total Depth:	**18.83' TOC** **18.88' TOM**	**Well Diameter:**	**1"**
Depth to Water:	**5.2' TOC** **5.25' TOM**	**Well Volume*:**	**0.56 gal**
Water Column (WC):	**13.63"**		**x3=1.68 gal.**
Depth to top of screen:	**UNKNOWN**	**Purging Device (pump type):**	
Depth to bottom of screen:	**UNKNOWN**	**Geotech Geopump 2**	
Pump intake:	**10'**		

*= 0.041 * WC for 1" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
14:45	5.4'	500mL/min	17.15	1.41	0.38	7.4	-8	70	Red flakes - maybe rust floating in water column
14:50	5.4'	500mL/min	16.60	1.413	0.81	7.4	-8	7.5	
14:55	5.4'	500mL/min	16.62	1.403	0.32	7.4	-9	4.7	
15:00	5.4'	500mL/min	16.59	1.397	0.28	7.4	-9	4.3	
15:05	5.4'	500mL/min	16.53	1.398	0.24	7.4	-9	4.6	
15:10	5.4'	500mL/min	16.58	1.398	0.24	7.4	-11	4.4	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 2.5 gallons purged. All parameters stabilized within 10%. Turbidity = 4.4 NTU.**

APPENDIX C
CATEGORY A LABORATORY DELIVERABLES

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

ASP CATEGORY A
WORKORDER 0306116
AKRF, INC.
GREENPOINT LUMBER YARD
BROOKLYN, N.Y.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

COVER PAGE

July 28, 2003

Mimi Sotiriou
AKRF, Inc
116 East 27th Street
7th Floor
New York, NY 10016

TEL: (646) 459-3528
FAX (212) 726-0942

RE: Greenpoint Lumber Yard Brooklyn, NY

Order No.: 0306116

Dear Mimi Sotiriou:

American Analytical Laboratories, Inc. received 20 samples on 6/27/2003 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lori Beyer
Lab Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0306116

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306116-01A	B12 (0.5-2')		6/25/2003	6/27/2003
0306116-01B	B12 (0.5-2')		6/25/2003	6/27/2003
0306116-02A	B12 (5'-7')		6/25/2003	6/27/2003
0306116-02B	B12 (5'-7')		6/25/2003	6/27/2003
0306116-03A	B13 (0.5'-2')		6/25/2003	6/27/2003
0306116-03B	B13 (0.5'-2')		6/25/2003	6/27/2003
0306116-04A	B13 (5'-7')		6/25/2003	6/27/2003
0306116-04B	B13 (5'-7')		6/25/2003	6/27/2003
0306116-05A	MW-12 (0.5'-2')		6/25/2003	6/27/2003
0306116-05B	MW-12 (0.5'-2')		6/25/2003	6/27/2003
0306116-06A	MW12 (4.5'-5.5')		6/25/2003	6/27/2003
0306116-06B	MW12 (4.5'-5.5')		6/25/2003	6/27/2003
0306116-07A	MW13 (0.5'-2')		6/25/2003	6/27/2003
0306116-07B	MW13 (0.5'-2')		6/25/2003	6/27/2003
0306116-08A	MW13 (5'-7')		6/25/2003	6/27/2003
0306116-08B	MW13 (5'-7')		6/25/2003	6/27/2003
0306116-09A	B7R2 (5.5'-6.0')		6/25/2003	6/27/2003
0306116-09B	B7R2 (5.5'-6.0')		6/25/2003	6/27/2003
0306116-10A	B6 (0.5'-2')		6/25/2003	6/27/2003
0306116-10B	B6 (0.5'-2')		6/25/2003	6/27/2003
0306116-11A	B6 (6'-7')		6/25/2003	6/27/2003
0306116-11B	B6 (6'-7')		6/25/2003	6/27/2003
0306116-12A	MW6 (0.5-2')		6/25/2003	6/27/2003
0306116-12B	MW6 (0.5-2')		6/25/2003	6/27/2003
0306116-13A	MW6 (6'-7')		6/25/2003	6/27/2003
0306116-13B	MW6 (6'-7')		6/25/2003	6/27/2003
0306116-14A	MW8 (2'-4')		6/25/2003	6/27/2003
0306116-14B	MW8 (2'-4')		6/25/2003	6/27/2003
0306116-15A	MW8 (5'-6.5')		6/25/2003	6/27/2003
0306116-15B	MW8 (5'-6.5')		6/25/2003	6/27/2003
0306116-16A	B9 (14"-2.5')		6/25/2003	6/27/2003
0306116-16B	B9 (14"-2.5')		6/25/2003	6/27/2003
0306116-17A	B9 (5'-6')		6/25/2003	6/27/2003
0306116-17B	B9 (5'-6')		6/25/2003	6/27/2003
0306116-18A	B8 (0.5-2")		6/25/2003	6/27/2003
0306116-18B	B8 (0.5-2")		6/25/2003	6/27/2003
0306116-19A	B8 (8-10')		6/25/2003	6/27/2003
0306116-19B	B8 (8-10')		6/25/2003	6/27/2003

CLIENT:	AKRF, Inc
Project:	Greenpoint Lumber Yard Brooklyn, NY
Lab Order:	0306116

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306116-20A	MW10 (0.5-2')		6/25/2003	6/27/2003
0306116-20B	MW10 (0.5-2')		6/25/2003	6/27/2003

SDG NARRATIVE

SDG Narrative

AAL Work Order: : 0306116
Sample Matrix : Soil
Project : Greenpoint

INTRODUCTION
This narrative covers the analysis of twenty (20) soils in accordance with protocols based on SW846 Methods 8260, 8270, 8081, 8082, 6010 and 7470.

HOLDING TIMES
The analytical holding time for these analyses was met.

CALIBRATIONS
Initial Calibration: All required minimum RRFs and maximum %RSD requirements have been met in accordance with the method.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the method.

TUNE PERFORMANCE
All Tune (BFB) specifications met QC requirements.

METHOD BLANKS
The method blanks associated with these samples did not contain any target compounds at or above QC.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE/DUPLICATES
MS/MSD/Dup analysis was performed as required. Results are submitted as an appendix to this report. Spike recoveries and RPD fell within established ranges except where noted on the summary sheets. No laboratory action is required for MS/MSD outliers.

INTERNAL STANDARDS
All area responses and retention times fell within acceptable ranges.

SURROGATES (SYSTEM MONITORING COMPOUNDS)
Surrogate recoveries are summarized in the appendix to this report.

SAMPLE COMMENTS
Samples were analyzed as per the required protocols.

Semivolatile Analysis:
Semivolatile analysis of samples B12 (0.5-2'), MW-12 (0.5-2'), B9 (5'-6'), MW10 (0.5-2') were analyzed at 1:2 dilutions. Samples MW13 (0.5'-2'), MW6 (0.5'02'), B9 (14"-2.5'), B8 (8-10') were analyzed at 1:5 dilutions. B8 (8-10') was reanalyzed at a 1:50 dilution based upon target analyte concentrations.

MW13 (5'-7') was initially analyzed undiluted. Based upon target analyte concentrations the sample was reanalyzed at a 1:10 dilution

Sample B7R2 (5.5'-6.0') was analyzed at a 1:3 dilution.

Pesticide Analysis:
All samples were initially analyzed undiluted. Secondary dilutions were performed where the target concentrations exceeded the instruments linear calibration range.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his designee, as verified by the following signature." This statement shall be directly followed by signature of the Laboratory Manager or his designee with a typed line below it containing the signer's name and title, and the date of the signature.

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET
FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFERS

For reporting results, the following "Results Qualifers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		*VOA GC/MS METHOD #	*BNA GC/MS METHOD #	*VOA GC METHOD #	*PEST PCBs METHOD #	*METALS	*OTHER
0306116-01	B12(0.5-2')	8260	8270		8081/8082	6010/7470	
0306116-02	B12(5'-7')						
0306116-03	B13(0.5'-2')						
0306116-04	B13(5'-7')						
0306116-05	MW12(0.5-2')						
0306116-06	MW12(4.5-5.5)						
0306116-07	MW13(0.5-2')						
0306116-08	MW13(5-7)						
0306116-09	B7R2(5.5-6.0)						
0306116-10	B6(0.5-2')						
0306116-11	B6(6'-7')						
0306116-12	MW6(0.5-2')						
0306116-13	MW6(6'-7')						
0306116-14	MW8(2'-4')						
0306116-15	MW8(5'-6.5')						
0306116-16	B9(14"-2.5')						

0306116-17 B9(5'-6')
0306116-18 B8(0.5-2')
0306116-19 B8(8'-10')
0306116-20 MW10(0.5-2')

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306116-01	SOIL	6/25/03	06/27/03	07/02/03	07/03/03
0306116-02					07/01/03
0306116-03					07/01/03
0306116-04					07/01/03
0306116-05					
0306116-06					
0306116-07					07/03/03
0306116-08					07/03/03, 07/07/03
0306116-09					07/02/03
0306116-10					07/01/03, 07/03/03
0306116-11					07/01/03
0306116-12					07/03/03
0306116-13					07/07/03
0306116-14					07/02/03
0306116-15					07/02/03
0306116-16					07/03/03
0306116-17					07/07/03
0306116-18					07/03/03
0306116-19					07/03/03, 07/07/0
0306116-20					07/03/03

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306116-01	SOIL	06/25/03	06/27/03	NA	06/30/03
0306116-02					
0306116-03					
0306116-04					
0306116-05					
0306116-06					
0306116-07					07/01/03
0306116-08					
0306116-09					
0306116-10					
0306116-11					
0306116-12					
0306116-13					
0306116-14					
0306116-15					
0306116-16					
0306116-17					
0306116-18					
0306116-19					
0306116-20					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE / PCB
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306116-01	SOIL	06/25/03	06/27/03	07/01/03	07/03/03 07/08/03
0306116-02					↓
0306116-03					07/03/03
0306116-04					↓
0306116-05					07/04/03
0306116-06					↓
0306116-07					07/09/03
0306116-08					07/04/03
0306116-09					
0306116-10					
0306116-11					
0306116-12					
0306116-13					↓
0306116-14					07/08/03
0306116-15					07/04/03
0306116-16					07/04/03
0306116-17					07/09/03
0306116-18					07/08/03
0306116-19					07/04/03
0306116-20					07/08/03, 07/09/03

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILLARY CLEAN UP	DIL / CONC. FACTOR
0306116-01	SOIL	SW846 3580/8270	3550 ~~(EPA)~~ (SONC)	NA	2
0306116-02					1
0306116-03					1
0306116-04					1
0306116-05					2
0306116-06					1
0306116-07					5
0306116-08					1,10
0306116-09					3
0306116-10					1,5
0306116-11					1
0306116-12					5
0306116-13					1
0306116-14					1
0306116-15					1
0306116-16					5
0306116-17					2
0306116-18					1
0306116-19					5,50
0306116-20					2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE ANALYZED
0306116-01	SOIL	TAL (23)	6/27/03	07/02/03, 07/03/03
0306116-02				
0306116-03				
0306116-04				
0306116-05				
0306116-06				
0306116-07				
0306116-08				
0306116-09				
0306116-10				
0306116-11				
0306116-12				
0306116-13				
0306116-14				
0306116-15				
0306116-16				
0306116-17				
0306116-18				
0306116-19				
0306116-20				

CHAIN OF CUSTODY FORMS

Sheet 1 of 2

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH	ELAP	11418
CTDOH	PH-0205	
NJDEP	NY050	
PADEP	68-573	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ARF Inc. Mimi Sotiriou

CONTACT: 646-459-3528, 917-612-7877

SAMPLER (SIGNATURE): M Sotiriou

DATE: 6/25/03

TIME:

SAMPLE(S) SEALED: YES / NO

SAMPLER NAME (PRINT): Mimi Sotiriou

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION: 30260-0006 Greenpoint Lumber Yard, Brooklyn

ANALYSIS REQUIRED: VOC 8260, SVOC 8270, PCB 8082, Pest 8082, TAL Metal

FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	VOC 8260	SVOC 8270	PCB 8082	Pest 8082	TAL Metal
0306116-01A,B	S			B12 [redacted] (0.5-2')	X	X	X	X	X
0306116-02A,B				B12 (5'-7')					
0306116-03A,B				B13 ~~[illegible]~~ (0.5'-2')					
0306116-04A,B				B13 (5'-7')					
0306116-05A,B				~~MW~~-12 (0.5'-2')					
0306116-06A,B				MW12 (4.5-5.5)					
0306116-07A,B				MW13 (0.5-2')					
0306116-08A,B				MW13 (5-7)					
				~~[illegible]~~					
				~~[illegible]~~					
0306116-09A,B				B7R2 (5.5-6.0)					

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL

TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 12:00		[signature]	6-27-03 2:00 pm	Christy Dana
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

Sheet 2 of 5

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH	ELAP	11418
CTDOH	PH-0205	
NJDEP	NY050	
PADEP	68-573	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ARF, Inc.
CONTACT: 917-612-7877
Mimi Sotiriou 646-459-3528

SAMPLER (SIGNATURE): M Sotiriou
DATE: 6/25/03 TIME: 1600
SAMPLER NAME (PRINT): M. Sotiriou
SAMPLE(S) SEALED: YES NO
CORRECT CONTAINER(S): YES NO

PROJECT LOCATION: 30260-0006
Greenpoint Lumber Yard Brooklyn, NY

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260 VOC	SVOC 8270	PCB 8081	Pest 8082	TAL Metals	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0306116-10A,B	S			B6 (0.5'-2')	X	X	X	X	X	
0306116-11A,11B				B6 (6'-7')						
0306116-12A,12B				MW6 (0.5'-2')						
0306116-13A,B				MW6 (6'-7')						
0306116-14A,B				MW8 (2'-4')						
0306116-15A,B				MW8 (5'-6.5')						
0306116-16A,B				B9 (14"-2.5')						
0306116-17A,B				B9 (5'-6')						
0306116-18A,18B				B8 ~~(5'-2')~~ (0.5-2')						
0306116-19A,19B				B8 (8'-10')						
0306116-20A,20B				MW10 (0.5-2')						
				MW10 (5'-7')						

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BU_K MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ -BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 1200	M. Sotiriou	Chris Dunn	6-27-03 2:Pm	Christopher Dunn
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

E-O E / C RY-L/ PINK- PLE ODI GOLI OD- NT

GC/MS VOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 7:33:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 7:33:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 7:33:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 9:26:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 9:26:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 9:26:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 10:04:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 10:04:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 10:04:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 10:42:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 10:42:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 10:42:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 11:20:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 11:20:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 11:20:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 11:58:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 11:58:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 11:58:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 12:36:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 12:36:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 12:36:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 1:14:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 1:14:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 1:14:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 1:52:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 1:52:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 1:52:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 2:30:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 2:30:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 2:30:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 3:08:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 3:08:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 3:08:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 3:46:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 3:46:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 3:46:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 6:55:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 6:55:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 6:55:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 7:33:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 7:33:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 7:33:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 8:11:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 8:11:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 8:11:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 8:49:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Benzene	2	5.0	J	µg/Kg	1	7/1/2003 8:49:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 8:49:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 8:49:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 9:27:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 9:27:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 9:27:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10.05:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 10:05:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 10:05:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 10:05:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 10:43:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chloroform	6.2	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 10:43:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 10:43:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 11:21:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 11:21:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 11:21:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM

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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM

Qualifiers:

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GC/MS SEMIVOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Methylnaphthalene	290	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
3,3´-Dichlorobenzidine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Acenaphthene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Acenaphthylene	130	80		µg/Kg	2	7/3/2003 4:01:00 PM
Aniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Anthracene	230	80		µg/Kg	2	7/3/2003 4:01:00 PM
Azobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzidine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(a)anthracene	1000	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(a)pyrene	1000	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(b)fluoranthene	1300	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(g,h,i)perylene	860	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(k)fluoranthene	520	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzoic acid	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM

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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Bis(2-ethylhexyl)phthalate	370	80		µg/Kg	2	7/3/2003 4:01:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Carbazole	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Chrysene	1200	80		µg/Kg	2	7/3/2003 4:01:00 PM
Dibenzo(a,h)anthracene	210	80		µg/Kg	2	7/3/2003 4:01:00 PM
Dibenzofuran	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Fluoranthene	1700	80		µg/Kg	2	7/3/2003 4:01:00 PM
Fluorene	110	80		µg/Kg	2	7/3/2003 4:01:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Indeno(1,2,3-c,d)pyrene	800	80		µg/Kg	2	7/3/2003 4:01:00 PM
Isophorone	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Naphthalene	170	80		µg/Kg	2	7/3/2003 4:01:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Phenanthrene	1000	80		µg/Kg	2	7/3/2003 4:01:00 PM
Phenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Pyrene	1800	80		µg/Kg	2	7/3/2003 4:01:00 PM
Pyridine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Acenaphthene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Anthracene	63	40		µg/Kg	1	7/1/2003 5:52:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(a)anthracene	150	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(a)pyrene	110	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(b)fluoranthene	130	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(g,h,i)perylene	70	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(k)fluoranthene	57	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzoic acid	150	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Carbazole	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Chrysene	160	40		µg/Kg	1	7/1/2003 5:52:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Fluoranthene	330	40		µg/Kg	1	7/1/2003 5:52:00 PM
Fluorene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Indeno(1,2,3-c,d)pyrene	71	40		µg/Kg	1	7/1/2003 5:52:00 PM
Isophorone	55	40		µg/Kg	1	7/1/2003 5:52:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Phenanthrene	250	40		µg/Kg	1	7/1/2003 5:52:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Pyrene	320	40		µg/Kg	1	7/1/2003 5:52:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM

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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Acenaphthene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Anthracene	46	40		µg/Kg	1	7/1/2003 7:33:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(a)anthracene	540	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(a)pyrene	890	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(b)fluoranthene	1500	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(g,h,i)perylene	1000	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(k)fluoranthene	410	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzoic acid	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Bis(2-ethylhexyl)phthalate	72	40		µg/Kg	1	7/1/2003 7:33:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Carbazole	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Chrysene	760	40		µg/Kg	1	7/1/2003 7:33:00 PM
Dibenzo(a,h)anthracene	240	40		µg/Kg	1	7/1/2003 7:33:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Fluoranthene	540	40		µg/Kg	1	7/1/2003 7:33:00 PM
Fluorene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Indeno(1,2,3-c,d)pyrene	920	40		µg/Kg	1	7/1/2003 7:33:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Phenanthrene	250	40		µg/Kg	1	7/1/2003 7:33:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Pyrene	580	40		µg/Kg	1	7/1/2003 7:33:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Acenaphthene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Anthracene	67	40		µg/Kg	1	7/1/2003 6:42:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(a)anthracene	230	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(a)pyrene	220	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(b)fluoranthene	240	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(g,h,i)perylene	130	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(k)fluoranthene	100	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzoic acid	99	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Carbazole	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Chrysene	240	40		µg/Kg	1	7/1/2003 6:42:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Fluoranthene	440	40		µg/Kg	1	7/1/2003 6:42:00 PM
Fluorene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Indeno(1,2,3-c,d)pyrene	140	40		µg/Kg	1	7/1/2003 6:42:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Phenanthrene	330	40		µg/Kg	1	7/1/2003 6:42:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Pyrene	410	40		µg/Kg	1	7/1/2003 6:42:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Methylnaphthalene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Acenaphthene	70	80	J	µg/Kg	2	7/1/2003 9:16:00 PM
Acenaphthylene	60	80	J	µg/Kg	2	7/1/2003 9:16:00 PM
Aniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Anthracene	300	80		µg/Kg	2	7/1/2003 9:16:00 PM
Azobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzidine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(a)anthracene	570	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(a)pyrene	520	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(b)fluoranthene	570	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(g,h,i)perylene	330	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(k)fluoranthene	230	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzoic acid	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Carbazole	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Chrysene	540	80		µg/Kg	2	7/1/2003 9:16:00 PM
Dibenzo(a,h)anthracene	80	80	J	µg/Kg	2	7/1/2003 9:16:00 PM
Dibenzofuran	60	80	J	µg/Kg	2	7/1/2003 9:16:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Fluoranthene	1400	80		µg/Kg	2	7/1/2003 9:16:00 PM
Fluorene	110	80		µg/Kg	2	7/1/2003 9:16:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Indeno(1,2,3-c,d)pyrene	350	80		µg/Kg	2	7/1/2003 9:16:00 PM
Isophorone	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Naphthalene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Phenanthrene	1100	80		µg/Kg	2	7/1/2003 9:16:00 PM
Phenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Pyrene	1100	80		µg/Kg	2	7/1/2003 9:16:00 PM
Pyridine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Acenaphthene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Anthracene	55	40		µg/Kg	1	7/1/2003 10:03:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(a)anthracene	150	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(a)pyrene	170	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(b)fluoranthene	210	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(g,h,i)perylene	110	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(k)fluoranthene	62	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzoic acid	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Carbazole	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Chrysene	160	40		µg/Kg	1	7/1/2003 10:03:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Fluoranthene	310	40		µg/Kg	1	7/1/2003 10:03:00 PM
Fluorene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Indeno(1,2,3-c,d)pyrene	120	40		µg/Kg	1	7/1/2003 10:03:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Phenanthrene	220	40		µg/Kg	1	7/1/2003 10:03:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Pyrene	310	40		µg/Kg	1	7/1/2003 10:03:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
1,2-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
1,3-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
1,4-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4,5-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4,6-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4-Dichlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4-Dimethylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4-Dinitrophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,6-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Chloronaphthalene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Chlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Methylnaphthalene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Methylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Nitroaniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Nitrophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
3,3'-Dichlorobenzidine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
3+4-Methylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
3-Nitroaniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4,6-Dinitro-2-methylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Bromophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Chloro-3-methylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Chloroaniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Chlorophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Nitroaniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Nitrophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Acenaphthene	220	200		µg/Kg	5	7/3/2003 4:39:00 PM
Acenaphthylene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Aniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Anthracene	350	200		µg/Kg	5	7/3/2003 4:39:00 PM
Azobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzidine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(a)anthracene	810	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(a)pyrene	820	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(b)fluoranthene	1100	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(g,h,i)perylene	570	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(k)fluoranthene	250	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzoic acid	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzyl alcohol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Bis(2-chloroethyl)ether	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Bis(2-chloroisopropyl)ether	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Bis(2-ethylhexyl)phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Butyl benzyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Carbazole	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Chrysene	920	200		µg/Kg	5	7/3/2003 4:39:00 PM
Dibenzo(a,h)anthracene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Dibenzofuran	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Diethyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Dimethyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Di-n-butyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Di-n-octyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Fluoranthene	1800	200		µg/Kg	5	7/3/2003 4:39:00 PM
Fluorene	280	200		µg/Kg	5	7/3/2003 4:39:00 PM
Hexachlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Hexachlorobutadiene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Hexachlorocyclopentadiene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Hexachloroethane	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Indeno(1,2,3-c,d)pyrene	590	200		µg/Kg	5	7/3/2003 4:39:00 PM
Isophorone	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Naphthalene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Nitrobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
N-Nitrosodimethylamine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
N-Nitrosodi-n-propylamine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
N-Nitrosodiphenylamine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Pentachlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Phenanthrene	1800	200		µg/Kg	5	7/3/2003 4:39:00 PM
Phenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Pyrene	1700	200		µg/Kg	5	7/3/2003 4:39:00 PM
Pyridine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Methylnaphthalene	64	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Acenaphthene	530	40		µg/Kg	1	7/3/2003 3:23:00 PM
Acenaphthylene	120	40		µg/Kg	1	7/3/2003 3:23:00 PM
Aniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Anthracene	1600	40		µg/Kg	1	7/3/2003 3:23:00 PM
Azobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzidine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzo(a)anthracene	4100	400		µg/Kg	10	7/7/2003 12:57:00 PM
Benzo(a)pyrene	3600	400		µg/Kg	10	7/7/2003 12:57:00 PM
Benzo(b)fluoranthene	4300	400		µg/Kg	10	7/7/2003 12:57:00 PM
Benzo(g,h,i)perylene	2000	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzo(k)fluoranthene	1700	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzoic acid	120	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Bis(2-ethylhexyl)phthalate	43	40		µg/Kg	1	7/3/2003 3:23:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Carbazole	480	40		µg/Kg	1	7/3/2003 3:23:00 PM
Chrysene	4000	400		µg/Kg	10	7/7/2003 12:57:00 PM
Dibenzo(a,h)anthracene	580	40		µg/Kg	1	7/3/2003 3:23:00 PM
Dibenzofuran	400	40		µg/Kg	1	7/3/2003 3:23:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Fluoranthene	8400	400		µg/Kg	10	7/7/2003 12:57:00 PM
Fluorene	630	40		µg/Kg	1	7/3/2003 3:23:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Indeno(1,2,3-c,d)pyrene	2200	40		µg/Kg	1	7/3/2003 3:23:00 PM
Isophorone	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Naphthalene	110	40		µg/Kg	1	7/3/2003 3:23:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Phenanthrene	4800	400		µg/Kg	10	7/7/2003 12:57:00 PM
Phenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Pyrene	7100	400		µg/Kg	10	7/7/2003 12:57:00 PM
Pyridine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
1,2-Dichlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
1,3-Dichlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
1,4-Dichlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4,5-Trichlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4,6-Trichlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4-Dichlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4-Dimethylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4-Dinitrophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4-Dinitrotoluene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,6-Dinitrotoluene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Chloronaphthalene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Chlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Methylnaphthalene	230	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Methylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Nitroaniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Nitrophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
3,3´-Dichlorobenzidine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
3+4-Methylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
3-Nitroaniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4,6-Dinitro-2-methylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Bromophenyl phenyl ether	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Chloro-3-methylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Chloroaniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Chlorophenyl phenyl ether	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Nitroaniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Nitrophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Acenaphthene	330	120		µg/Kg	3	7/2/2003 4:21:00 PM
Acenaphthylene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Aniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Anthracene	870	120		µg/Kg	3	7/2/2003 4:21:00 PM
Azobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzidine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(a)anthracene	1500	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(a)pyrene	1300	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(b)fluoranthene	1500	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(g,h,i)perylene	660	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(k)fluoranthene	540	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzoic acid	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzyl alcohol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Bis(2-chloroethyl)ether	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Bis(2-chloroisopropyl)ether	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Bis(2-ethylhexyl)phthalate	260	120		µg/Kg	3	7/2/2003 4:21:00 PM
Butyl benzyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Carbazole	400	120		µg/Kg	3	7/2/2003 4:21:00 PM
Chrysene	1500	120		µg/Kg	3	7/2/2003 4:21:00 PM
Dibenzo(a,h)anthracene	260	120		µg/Kg	3	7/2/2003 4:21:00 PM
Dibenzofuran	410	120		µg/Kg	3	7/2/2003 4:21:00 PM
Diethyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Dimethyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Di-n-butyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Di-n-octyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Fluoranthene	3200	120		µg/Kg	3	7/2/2003 4:21:00 PM
Fluorene	630	120		µg/Kg	3	7/2/2003 4:21:00 PM
Hexachlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Hexachlorobutadiene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Hexachlorocyclopentadiene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Hexachloroethane	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Indeno(1,2,3-c,d)pyrene	710	120		µg/Kg	3	7/2/2003 4:21:00 PM
Isophorone	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Naphthalene	570	120		µg/Kg	3	7/2/2003 4:21:00 PM
Nitrobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
N-Nitrosodimethylamine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
N-Nitrosodi-n-propylamine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
N-Nitrosodiphenylamine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Pentachlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Phenanthrene	4000	120		µg/Kg	3	7/2/2003 4:21:00 PM
Phenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Pyrene	2900	120		µg/Kg	3	7/2/2003 4:21:00 PM
Pyridine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Methylnaphthalene	170	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
3+4-Methylphenol	55	40		µg/Kg	1	7/1/2003 10:50:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Acenaphthene	320	40		µg/Kg	1	7/1/2003 10:50:00 PM
Acenaphthylene	110	40		µg/Kg	1	7/1/2003 10:50:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Anthracene	670	40		µg/Kg	1	7/1/2003 10:50:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(a)anthracene	1300	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(a)pyrene	1000	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(b)fluoranthene	1300	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(g,h,i)perylene	550	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(k)fluoranthene	410	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzoic acid	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Bis(2-ethylhexyl)phthalate	81	40		µg/Kg	1	7/1/2003 10:50:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Carbazole	290	40		µg/Kg	1	7/1/2003 10:50:00 PM
Chrysene	1300	40		µg/Kg	1	7/1/2003 10:50:00 PM
Dibenzo(a,h)anthracene	180	40		µg/Kg	1	7/1/2003 10:50:00 PM
Dibenzofuran	270	40		µg/Kg	1	7/1/2003 10:50:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Fluoranthene	3100	200		µg/Kg	5	7/3/2003 2:44:00 PM
Fluorene	350	40		µg/Kg	1	7/1/2003 10:50:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Indeno(1,2,3-c,d)pyrene	610	40		µg/Kg	1	7/1/2003 10:50:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Naphthalene	300	40		µg/Kg	1	7/1/2003 10:50:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Phenanthrene	3200	200		µg/Kg	5	7/3/2003 2:44:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Pyrene	2400	40		µg/Kg	1	7/1/2003 10:50:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Acenaphthene	200	40		µg/Kg	1	7/1/2003 11:35:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Anthracene	380	40		µg/Kg	1	7/1/2003 11:35:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(a)anthracene	730	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(a)pyrene	610	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(b)fluoranthene	720	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(g,h,i)perylene	290	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(k)fluoranthene	210	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzoic acid	140	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Carbazole	130	40		µg/Kg	1	7/1/2003 11:35:00 PM
Chrysene	720	40		µg/Kg	1	7/1/2003 11:35:00 PM
Dibenzo(a,h)anthracene	99	40		µg/Kg	1	7/1/2003 11:35:00 PM
Dibenzofuran	84	40		µg/Kg	1	7/1/2003 11:35:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Fluoranthene	1500	40		µg/Kg	1	7/1/2003 11:35:00 PM
Fluorene	180	40		µg/Kg	1	7/1/2003 11:35:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Indeno(1,2,3-c,d)pyrene	340	40		µg/Kg	1	7/1/2003 11:35:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Phenanthrene	1400	40		µg/Kg	1	7/1/2003 11:35:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Pyrene	1300	40		µg/Kg	1	7/1/2003 11:35:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
1,2-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
1,3-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
1,4-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4,5-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4,6-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4-Dichlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4-Dimethylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4-Dinitrophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,6-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Chloronaphthalene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Chlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Methylnaphthalene	240	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Methylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Nitroaniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Nitrophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
3,3´-Dichlorobenzidine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
3+4-Methylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
3-Nitroaniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4,6-Dinitro-2-methylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Bromophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Chloro-3-methylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Chloroaniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Chlorophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Nitroaniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Nitrophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Acenaphthene	1400	200		µg/Kg	5	7/3/2003 6:55:00 PM
Acenaphthylene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Aniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Anthracene	1600	200		µg/Kg	5	7/3/2003 6:55:00 PM
Azobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzidine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(a)anthracene	4900	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(a)pyrene	4000	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(b)fluoranthene	4800	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(g,h,i)perylene	2500	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(k)fluoranthene	1800	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzoic acid	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzyl alcohol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Bis(2-chloroethyl)ether	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Bis(2-chloroisopropyl)ether	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Bis(2-ethylhexyl)phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Butyl benzyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Carbazole	620	200		µg/Kg	5	7/3/2003 6:55:00 PM
Chrysene	4800	200		µg/Kg	5	7/3/2003 6:55:00 PM
Dibenzo(a,h)anthracene	600	200		µg/Kg	5	7/3/2003 6:55:00 PM
Dibenzofuran	530	200		µg/Kg	5	7/3/2003 6:55:00 PM
Diethyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Dimethyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Di-n-butyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Di-n-octyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Fluoranthene	11000	200		µg/Kg	5	7/3/2003 6:55:00 PM
Fluorene	910	200		µg/Kg	5	7/3/2003 6:55:00 PM
Hexachlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Hexachlorobutadiene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Hexachlorocyclopentadiene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Hexachloroethane	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Indeno(1,2,3-c,d)pyrene	2500	200		µg/Kg	5	7/3/2003 6:55:00 PM
Isophorone	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Naphthalene	320	200		µg/Kg	5	7/3/2003 6:55:00 PM
Nitrobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
N-Nitrosodimethylamine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
N-Nitrosodi-n-propylamine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
N-Nitrosodiphenylamine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Pentachlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Phenanthrene	11000	200		µg/Kg	5	7/3/2003 6:55:00 PM
Phenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Pyrene	10000	200		µg/Kg	5	7/3/2003 6:55:00 PM
Pyridine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Methylnaphthalene	82	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Acenaphthene	420	40		µg/Kg	1	7/7/2003 1:38:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Aniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Anthracene	790	40		µg/Kg	1	7/7/2003 1:38:00 PM
Azobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzidine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(a)anthracene	970	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(a)pyrene	730	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(b)fluoranthene	860	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(g,h,i)perylene	360	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(k)fluoranthene	260	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzoic acid	150	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Carbazole	310	40		µg/Kg	1	7/7/2003 1:38:00 PM
Chrysene	870	40		µg/Kg	1	7/7/2003 1:38:00 PM
Dibenzo(a,h)anthracene	110	40		µg/Kg	1	7/7/2003 1:38:00 PM
Dibenzofuran	220	40		µg/Kg	1	7/7/2003 1:38:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Fluoranthene	2100	40		µg/Kg	1	7/7/2003 1:38:00 PM
Fluorene	420	40		µg/Kg	1	7/7/2003 1:38:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Indeno(1,2,3-c,d)pyrene	380	40		µg/Kg	1	7/7/2003 1:38:00 PM
Isophorone	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Naphthalene	73	40		µg/Kg	1	7/7/2003 1:38:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Phenanthrene	2600	40		µg/Kg	1	7/7/2003 1:38:00 PM
Phenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Pyrene	1900	40		µg/Kg	1	7/7/2003 1:38:00 PM
Pyridine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Methylnaphthalene	340	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Acenaphthene	58	40		µg/Kg	1	7/2/2003 12:21:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Aniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Anthracene	110	40		µg/Kg	1	7/2/2003 12:21:00 AM
Azobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzidine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(a)anthracene	340	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(a)pyrene	280	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(b)fluoranthene	400	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(g,h,i)perylene	240	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(k)fluoranthene	130	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzoic acid	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Bis(2-ethylhexyl)phthalate	90	40		µg/Kg	1	7/2/2003 12:21:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Carbazole	67	40		µg/Kg	1	7/2/2003 12:21:00 AM
Chrysene	430	40		µg/Kg	1	7/2/2003 12:21:00 AM
Dibenzo(a,h)anthracene	67	40		µg/Kg	1	7/2/2003 12:21:00 AM
Dibenzofuran	65	40		µg/Kg	1	7/2/2003 12:21:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Fluoranthene	720	40		µg/Kg	1	7/2/2003 12:21:00 AM
Fluorene	130	40		µg/Kg	1	7/2/2003 12:21:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Indeno(1,2,3-c,d)pyrene	220	40		µg/Kg	1	7/2/2003 12:21:00 AM
Isophorone	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Naphthalene	230	40		µg/Kg	1	7/2/2003 12:21:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Phenanthrene	810	40		µg/Kg	1	7/2/2003 12:21:00 AM
Phenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Pyrene	630	40		µg/Kg	1	7/2/2003 12:21:00 AM
Pyridine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Acenaphthene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Aniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Anthracene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Azobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzidine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(a)anthracene	94	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(a)pyrene	88	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(b)fluoranthene	110	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(g,h,i)perylene	50	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzoic acid	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Carbazole	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Chrysene	97	40		µg/Kg	1	7/2/2003 8:14:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Fluoranthene	170	40		µg/Kg	1	7/2/2003 8:14:00 PM
Fluorene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Indeno(1,2,3-c,d)pyrene	55	40		µg/Kg	1	7/2/2003 8:14:00 PM
Isophorone	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Naphthalene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Phenanthrene	110	40		µg/Kg	1	7/2/2003 8:14:00 PM
Phenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Pyrene	150	40		µg/Kg	1	7/2/2003 8:14:00 PM
Pyridine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
1,2-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
1,3-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
1,4-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4,5-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4,6-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4-Dichlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4-Dimethylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4-Dinitrophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,6-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Chloronaphthalene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Chlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Methylnaphthalene	300	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Methylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Nitroaniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Nitrophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
3,3'-Dichlorobenzidine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
3+4-Methylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
3-Nitroaniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4,6-Dinitro-2-methylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Bromophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Chloro-3-methylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Chloroaniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Chlorophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Nitroaniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Nitrophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Acenaphthene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Acenaphthylene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Aniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Anthracene	330	200		µg/Kg	5	7/3/2003 7:39:00 PM
Azobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzidine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(a)anthracene	920	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(a)pyrene	980	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(b)fluoranthene	1300	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(g,h,i)perylene	1300	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(k)fluoranthene	370	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzoic acid	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzyl alcohol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Bis(2-chloroethyl)ether	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Bis(2-chloroisopropyl)ether	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Bis(2-ethylhexyl)phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Butyl benzyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Carbazole	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Chrysene	1200	200		µg/Kg	5	7/3/2003 7:39:00 PM
Dibenzo(a,h)anthracene	250	200		µg/Kg	5	7/3/2003 7:39:00 PM
Dibenzofuran	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Diethyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Dimethyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Di-n-butyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Di-n-octyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Fluoranthene	1800	200		µg/Kg	5	7/3/2003 7:39:00 PM
Fluorene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Hexachlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Hexachlorobutadiene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Hexachlorocyclopentadiene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Hexachloroethane	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Indeno(1,2,3-c,d)pyrene	810	200		µg/Kg	5	7/3/2003 7:39:00 PM
Isophorone	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Naphthalene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Nitrobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
N-Nitrosodimethylamine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
N-Nitrosodi-n-propylamine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
N-Nitrosodiphenylamine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Pentachlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Phenanthrene	1600	200		µg/Kg	5	7/3/2003 7:39:00 PM
Phenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Pyrene	2000	200		µg/Kg	5	7/3/2003 7:39:00 PM
Pyridine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Methylnaphthalene	440	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Acenaphthene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Acenaphthylene	180	80		µg/Kg	2	7/7/2003 2:19:00 PM
Aniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Anthracene	360	80		µg/Kg	2	7/7/2003 2:19:00 PM
Azobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzidine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(a)anthracene	1700	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(a)pyrene	1700	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(b)fluoranthene	2300	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(g,h,i)perylene	1300	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(k)fluoranthene	640	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzoic acid	330	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Carbazole	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Chrysene	1900	80		µg/Kg	2	7/7/2003 2:19:00 PM
Dibenzo(a,h)anthracene	360	80		µg/Kg	2	7/7/2003 2:19:00 PM
Dibenzofuran	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Fluoranthene	2900	80		µg/Kg	2	7/7/2003 2:19:00 PM
Fluorene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Indeno(1,2,3-c,d)pyrene	1300	80		µg/Kg	2	7/7/2003 2:19:00 PM
Isophorone	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Naphthalene	220	80		µg/Kg	2	7/7/2003 2:19:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Phenanthrene	1700	80		µg/Kg	2	7/7/2003 2:19:00 PM
Phenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Pyrene	2800	80		µg/Kg	2	7/7/2003 2:19:00 PM
Pyridine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Methylnaphthalene	100	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Acenaphthene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Acenaphthylene	53	40		µg/Kg	1	7/3/2003 5:29:00 PM
Aniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Anthracene	91	40		µg/Kg	1	7/3/2003 5:29:00 PM
Azobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzidine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(a)anthracene	470	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(a)pyrene	480	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(b)fluoranthene	660	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(g,h,i)perylene	540	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(k)fluoranthene	200	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzoic acid	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Bis(2-ethylhexyl)phthalate	130	40		µg/Kg	1	7/3/2003 5:29:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Carbazole	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Chrysene	570	40		µg/Kg	1	7/3/2003 5:29:00 PM
Dibenzo(a,h)anthracene	110	40		µg/Kg	1	7/3/2003 5:29:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Di-n-butyl phthalate	54	40		µg/Kg	1	7/3/2003 5:29:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Fluoranthene	710	40		µg/Kg	1	7/3/2003 5:29:00 PM
Fluorene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Indeno(1,2,3-c,d)pyrene	450	40		µg/Kg	1	7/3/2003 5:29:00 PM
Isophorone	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Naphthalene	56	40		µg/Kg	1	7/3/2003 5:29:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Phenanthrene	440	40		µg/Kg	1	7/3/2003 5:29:00 PM
Phenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Pyrene	800	40		µg/Kg	1	7/3/2003 5:29:00 PM
Pyridine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
1,2-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
1,3-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
1,4-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4,5-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4,6-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4-Dichlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4-Dimethylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4-Dinitrophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,6-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Chloronaphthalene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Chlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Methylnaphthalene	470	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Methylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Nitroaniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Nitrophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
3,3'-Dichlorobenzidine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
3+4-Methylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
3-Nitroaniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4,6-Dinitro-2-methylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Bromophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Chloro-3-methylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Chloroaniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Chlorophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Nitroaniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Nitrophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Acenaphthene	3600	200		µg/Kg	5	7/3/2003 8:25:00 PM
Acenaphthylene	870	200		µg/Kg	5	7/3/2003 8:25:00 PM
Aniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Anthracene	7500	200		µg/Kg	5	7/3/2003 8:25:00 PM
Azobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzidine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzo(a)anthracene	18000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Benzo(a)pyrene	12000	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzo(b)fluoranthene	18000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Benzo(g,h,i)perylene	6700	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzo(k)fluoranthene	4400	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzoic acid	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzyl alcohol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Bis(2-chloroethyl)ether	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Bis(2-chloroisopropyl)ether	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Bis(2-ethylhexyl)phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Butyl benzyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Carbazole	2200	200		µg/Kg	5	7/3/2003 8:25:00 PM
Chrysene	19000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Dibenzo(a,h)anthracene	2000	200		µg/Kg	5	7/3/2003 8:25:00 PM
Dibenzofuran	1900	200		µg/Kg	5	7/3/2003 8:25:00 PM
Diethyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Dimethyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Di-n-butyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Di-n-octyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Fluoranthene	49000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Fluorene	3500	200		µg/Kg	5	7/3/2003 8:25:00 PM
Hexachlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Hexachlorobutadiene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Hexachlorocyclopentadiene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Hexachloroethane	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Indeno(1,2,3-c,d)pyrene	7300	200		µg/Kg	5	7/3/2003 8:25:00 PM
Isophorone	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Naphthalene	590	200		µg/Kg	5	7/3/2003 8:25:00 PM
Nitrobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
N-Nitrosodimethylamine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
N-Nitrosodi-n-propylamine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
N-Nitrosodiphenylamine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Pentachlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Phenanthrene	49000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Phenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Pyrene	40000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Pyridine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
1,4-Dichlorobenzene	170	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Methylnaphthalene	220	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Acenaphthene	310	80		µg/Kg	2	7/3/2003 6:11:00 PM
Acenaphthylene	110	80		µg/Kg	2	7/3/2003 6:11:00 PM
Aniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Anthracene	740	80		µg/Kg	2	7/3/2003 6:11:00 PM
Azobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzidine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(a)anthracene	1400	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(a)pyrene	1300	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(b)fluoranthene	1500	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(g,h,i)perylene	980	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(k)fluoranthene	610	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzoic acid	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Bis(2-ethylhexyl)phthalate	460	80		µg/Kg	2	7/3/2003 6:11:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Carbazole	240	80		µg/Kg	2	7/3/2003 6:11:00 PM
Chrysene	1400	80		µg/Kg	2	7/3/2003 6:11:00 PM
Dibenzo(a,h)anthracene	230	80		µg/Kg	2	7/3/2003 6:11:00 PM
Dibenzofuran	240	80		µg/Kg	2	7/3/2003 6:11:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Di-n-butyl phthalate	80	80		µg/Kg	2	7/3/2003 6:11:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Fluoranthene	3500	80		µg/Kg	2	7/3/2003 6:11:00 PM
Fluorene	300	80		µg/Kg	2	7/3/2003 6:11:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Indeno(1,2,3-c,d)pyrene	900	80		µg/Kg	2	7/3/2003 6:11:00 PM
Isophorone	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Naphthalene	270	80		µg/Kg	2	7/3/2003 6:11:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Phenanthrene	2600	80		µg/Kg	2	7/3/2003 6:11:00 PM
Phenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Pyrene	2900	80		µg/Kg	2	7/3/2003 6:11:00 PM
Pyridine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

GC PESTICIDE/PCB DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	18000	50		µg/Kg	10	7/8/2003 5:39:00 PM
4,4'-DDE	2600	50		µg/Kg	10	7/8/2003 5:39:00 PM
4,4'-DDT	2500	50		µg/Kg	10	7/8/2003 5:39:00 PM
Aldrin	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Chlordane	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
DBCP	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endrin	270	50		µg/Kg	10	7/8/2003 5:39:00 PM
Endrin aldehyde	21	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Isodrin	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Toxaphene	U	300		µg/Kg	1	7/3/2003 9:10:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	1100	50		µg/Kg	10	7/8/2003 6:22:00 PM
4,4'-DDE	130	50		µg/Kg	10	7/8/2003 6:22:00 PM
4,4'-DDT	150	50		µg/Kg	10	7/8/2003 6:22:00 PM
Aldrin	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Chlordane	33	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
DBCP	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endrin	24	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endrin aldehyde	8.6	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Isodrin	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Toxaphene	U	300		µg/Kg	1	7/3/2003 9:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
4,4'-DDT	4	5.0	J	µg/Kg	1	7/3/2003 10:36:00 PM
Aldrin	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Chlordane	11	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
DBCP	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endrin	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Isodrin	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Toxaphene	U	300		µg/Kg	1	7/3/2003 10:36:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Aldrin	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Chlordane	7.5	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
DBCP	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endrin	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Isodrin	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Toxaphene	U	300		µg/Kg	1	7/3/2003 11:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 12:24:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
4,4´-DDT	4	5.0	J	µg/Kg	1	7/4/2003 1:07:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 1:07:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Chlordane	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 4:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	10	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Heptachlor	4	5.0	J	µg/Kg	1	7/4/2003 2:12:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 2:12:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 2:55:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 3:38:00 AM

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R - RPD outside accepted recovery limits
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 4:43:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Chlordane	42	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 5:26:00 AM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 7:57:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	6.2	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
4,4'-DDT	3	5.0	J	µg/Kg	1	7/8/2003 5:34:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 5:34:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Heptachlor	12	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 8:40:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	10	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 9:22:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	7.7	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
4,4'-DDT	9.3	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Chlordane	9.6	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 5:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 7:00:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	27	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
4,4'-DDE	11	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
4,4'-DDT	17	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Chlordane	23	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 10:28:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	900	50		µg/Kg	10	7/9/2003 7:31:00 PM
4,4'-DDE	240	50		µg/Kg	10	7/9/2003 7:31:00 PM
4,4'-DDT	98	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endrin	10	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 7:43:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1254	430	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1260	850	80		µg/Kg	1	7/8/2003 9:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1254	160	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1260	300	80		µg/Kg	1	7/7/2003 5:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1254	110	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1260	120	80		µg/Kg	1	7/8/2003 10:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 5:57:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1254	110	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1260	40	80	J	µg/Kg	1	7/7/2003 6:40:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 7:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1254	80	80	J	µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1260	60	80	J	µg/Kg	1	7/8/2003 11:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 8:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 12:08:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1260	60	80	J	µg/Kg	1	7/7/2003 9:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 10:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 12:51:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 11:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1260	40	80	J	µg/Kg	1	7/7/2003 11:43:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 1:34:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1254	130	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1260	100	80		µg/Kg	1	7/9/2003 2:40:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1254	120	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1260	80	80	J	µg/Kg	1	7/9/2003 4:06:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 4:49:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1260	60	80	J	µg/Kg	1	7/9/2003 5:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1260	40	80	J	µg/Kg	1	7/9/2003 6:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

INORGANIC DATA

RESULTS - INORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.090	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2700	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Antimony	1.60	0.477		mg/Kg	1	7/3/2003 10:04:21 AM
Arsenic	9.29	0.477		mg/Kg	1	7/3/2003 10:04:21 AM
Barium	125	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Beryllium	U	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Cadmium	1.56	0.191		mg/Kg	1	7/3/2003 10:04:21 AM
Calcium	14500	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Chromium	12.1	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Cobalt	6.95	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Copper	100	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Iron	5800	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Lead	635	0.286		mg/Kg	1	7/3/2003 10:04:21 AM
Magnesium	451	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Manganese	198	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Nickel	12.7	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Potassium	686	1.34		mg/Kg	1	7/3/2003 10:04:21 AM
Selenium	0.34	0.477	J	mg/Kg	1	7/3/2003 10:04:21 AM
Silver	U	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Sodium	337	0.573		mg/Kg	1	7/3/2003 10:04:21 AM
Thallium	0.914	0.286		mg/Kg	1	7/3/2003 10:04:21 AM
Vanadium	15.6	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Zinc	238	0.382		mg/Kg	1	7/3/2003 10:04:21 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3730	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Antimony	U	0.445		mg/Kg	1	7/3/2003 10:07:36 AM
Arsenic	3.57	0.445		mg/Kg	1	7/3/2003 10:07:36 AM
Barium	34.9	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Beryllium	U	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Cadmium	0.288	0.178		mg/Kg	1	7/3/2003 10:07:36 AM
Calcium	1050	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Chromium	9.48	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Cobalt	8.52	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Copper	13.8	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Iron	5720	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Lead	35.2	0.267		mg/Kg	1	7/3/2003 10:07:36 AM
Magnesium	414	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Manganese	235	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Nickel	9.80	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Potassium	752	1.25		mg/Kg	1	7/3/2003 10:07:36 AM
Selenium	U	0.445		mg/Kg	1	7/3/2003 10:07:36 AM
Silver	U	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Sodium	108	0.534		mg/Kg	1	7/3/2003 10:07:36 AM
Thallium	1.25	0.267		mg/Kg	1	7/3/2003 10:07:36 AM
Vanadium	10.4	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Zinc	50.5	0.356		mg/Kg	1	7/3/2003 10:07:36 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3930	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Antimony	U	0.460		mg/Kg	1	7/3/2003 10:10:15 AM
Arsenic	4.48	0.460		mg/Kg	1	7/3/2003 10:10:15 AM
Barium	73.4	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Beryllium	U	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Cadmium	0.091	0.184	J	mg/Kg	1	7/3/2003 10:10:15 AM
Calcium	17300	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Chromium	12.7	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Cobalt	6.47	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Copper	32.1	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Iron	5380	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Lead	153	0.276		mg/Kg	1	7/3/2003 10:10:15 AM
Magnesium	431	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Manganese	97.6	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Nickel	8.27	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Potassium	834	1.29		mg/Kg	1	7/3/2003 10:10:15 AM
Selenium	U	0.460		mg/Kg	1	7/3/2003 10:10:15 AM
Silver	U	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Sodium	266	0.551		mg/Kg	1	7/3/2003 10:10:15 AM
Thallium	1.51	0.276		mg/Kg	1	7/3/2003 10:10:15 AM
Vanadium	13.3	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Zinc	120	0.368		mg/Kg	1	7/3/2003 10:10:15 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.633	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3180	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Antimony	0.623	0.490		mg/Kg	1	7/3/2003 10:12:46 AM
Arsenic	11.6	0.490		mg/Kg	1	7/3/2003 10:12:46 AM
Barium	46.4	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Beryllium	U	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Cadmium	U	0.196		mg/Kg	1	7/3/2003 10:12:46 AM
Calcium	4930	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Chromium	6.99	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Cobalt	6.45	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Copper	19.7	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Iron	6360	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Lead	187	0.294		mg/Kg	1	7/3/2003 10:12:46 AM
Magnesium	434	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Manganese	57.1	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Nickel	14.3	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Potassium	966	1.37		mg/Kg	1	7/3/2003 10:12:46 AM
Selenium	0.32	0.490	J	mg/Kg	1	7/3/2003 10:12:46 AM
Silver	0.474	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Sodium	291	0.588		mg/Kg	1	7/3/2003 10:12:46 AM
Thallium	0.697	0.294		mg/Kg	1	7/3/2003 10:12:46 AM
Vanadium	11.0	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Zinc	25.5	0.392		mg/Kg	1	7/3/2003 10:12:46 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.052	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4190	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Antimony	U	0.424		mg/Kg	1	7/3/2003 10:15:50 AM
Arsenic	2.37	0.424		mg/Kg	1	7/3/2003 10:15:50 AM
Barium	34.6	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Beryllium	U	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Cadmium	0.196	0.169		mg/Kg	1	7/3/2003 10:15:50 AM
Calcium	3470	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Chromium	11.6	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Cobalt	8.50	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Copper	67.7	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Iron	5490	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Lead	35.3	0.254		mg/Kg	1	7/3/2003 10:15:50 AM
Magnesium	412	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Manganese	210	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Nickel	15.5	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Potassium	1010	1.19		mg/Kg	1	7/3/2003 10:15:50 AM
Selenium	U	0.424		mg/Kg	1	7/3/2003 10:15:50 AM
Silver	U	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Sodium	135	0.508		mg/Kg	1	7/3/2003 10:15:50 AM
Thallium	1.46	0.254		mg/Kg	1	7/3/2003 10:15:50 AM
Vanadium	17.1	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Zinc	75.1	0.339		mg/Kg	1	7/3/2003 10:15:50 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3300	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Antimony	U	0.458		mg/Kg	1	7/3/2003 10:18:44 AM
Arsenic	1.79	0.458		mg/Kg	1	7/3/2003 10:18:44 AM
Barium	37.4	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Beryllium	U	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Cadmium	U	0.183		mg/Kg	1	7/3/2003 10:18:44 AM
Calcium	2110	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Chromium	11.6	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Cobalt	6.76	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Copper	16.5	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Iron	4580	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Lead	27.2	0.275		mg/Kg	1	7/3/2003 10:18:44 AM
Magnesium	445	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Manganese	174	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Nickel	23.3	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Potassium	1020	1.28		mg/Kg	1	7/3/2003 10:18:44 AM
Selenium	U	0.458		mg/Kg	1	7/3/2003 10:18:44 AM
Silver	0.26	0.366	J	mg/Kg	1	7/3/2003 10:18:44 AM
Sodium	143	0.549		mg/Kg	1	7/3/2003 10:18:44 AM
Thallium	1.83	0.275		mg/Kg	1	7/3/2003 10:18:44 AM
Vanadium	14.0	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Zinc	39.9	0.366		mg/Kg	1	7/3/2003 10:18:44 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.100	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4050	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Antimony	U	0.446		mg/Kg	1	7/3/2003 10:21:31 AM
Arsenic	3.62	0.446		mg/Kg	1	7/3/2003 10:21:31 AM
Barium	62.1	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Beryllium	U	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Cadmium	0.10	0.179	J	mg/Kg	1	7/3/2003 10:21:31 AM
Calcium	19100	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Chromium	9.48	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Cobalt	7.46	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Copper	32.2	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Iron	4940	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Lead	92.0	0.268		mg/Kg	1	7/3/2003 10:21:31 AM
Magnesium	421	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Manganese	191	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Nickel	8.14	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Potassium	1070	1.25		mg/Kg	1	7/3/2003 10:21:31 AM
Selenium	0.496	0.446		mg/Kg	1	7/3/2003 10:21:31 AM
Silver	U	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Sodium	129	0.536		mg/Kg	1	7/3/2003 10:21:31 AM
Thallium	1.84	0.268		mg/Kg	1	7/3/2003 10:21:31 AM
Vanadium	16.8	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Zinc	117	0.357		mg/Kg	1	7/3/2003 10:21:31 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.156	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4650	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Antimony	U	0.439		mg/Kg	1	7/3/2003 10:24:23 AM
Arsenic	3.62	0.439		mg/Kg	1	7/3/2003 10:24:23 AM
Barium	87.2	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Beryllium	U	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Cadmium	0.17	0.175	J	mg/Kg	1	7/3/2003 10:24:23 AM
Calcium	4270	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Chromium	12.5	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Cobalt	8.26	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Copper	28.6	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Iron	5780	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Lead	73.8	0.263		mg/Kg	1	7/3/2003 10:24:23 AM
Magnesium	406	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Manganese	217	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Nickel	10.6	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Potassium	1110	1.23		mg/Kg	1	7/3/2003 10:24:23 AM
Selenium	U	0.439		mg/Kg	1	7/3/2003 10:24:23 AM
Silver	U	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Sodium	165	0.526		mg/Kg	1	7/3/2003 10:24:23 AM
Thallium	2.15	0.263		mg/Kg	1	7/3/2003 10:24:23 AM
Vanadium	17.1	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Zinc	112	0.351		mg/Kg	1	7/3/2003 10:24:23 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3670	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Antimony	2.63	0.473		mg/Kg	1	7/3/2003 10:36:56 AM
Arsenic	2.55	0.473		mg/Kg	1	7/3/2003 10:36:56 AM
Barium	28.4	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Beryllium	U	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Cadmium	U	0.189		mg/Kg	1	7/3/2003 10:36:56 AM
Calcium	21300	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Chromium	4.02	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Cobalt	4.51	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Copper	18.8	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Iron	4840	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Lead	58.5	0.284		mg/Kg	1	7/3/2003 10:36:56 AM
Magnesium	448	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Manganese	98.5	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Nickel	3.46	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Potassium	1240	1.33		mg/Kg	1	7/3/2003 10:36:56 AM
Selenium	0.46	0.473	J	mg/Kg	1	7/3/2003 10:36:56 AM
Silver	U	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Sodium	650	0.568		mg/Kg	1	7/3/2003 10:36:56 AM
Thallium	1.25	0.284		mg/Kg	1	7/3/2003 10:36:56 AM
Vanadium	6.38	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Zinc	32.1	0.379		mg/Kg	1	7/3/2003 10:36:56 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2300	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Antimony	U	0.450		mg/Kg	1	7/3/2003 10:39:32 AM
Arsenic	5.10	0.450		mg/Kg	1	7/3/2003 10:39:32 AM
Barium	317	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Beryllium	U	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Cadmium	0.294	0.180		mg/Kg	1	7/3/2003 10:39:32 AM
Calcium	27400	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Chromium	8.44	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Cobalt	4.76	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Copper	150	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Iron	4320	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Lead	163	0.270		mg/Kg	1	7/3/2003 10:39:32 AM
Magnesium	327	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Manganese	87.3	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Nickel	4.94	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Potassium	565	1.26		mg/Kg	1	7/3/2003 10:39:32 AM
Selenium	0.549	0.450		mg/Kg	1	7/3/2003 10:39:32 AM
Silver	U	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Sodium	354	0.540		mg/Kg	1	7/3/2003 10:39:32 AM
Thallium	2.07	0.270		mg/Kg	1	7/3/2003 10:39:32 AM
Vanadium	9.10	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Zinc	84.5	0.360		mg/Kg	1	7/3/2003 10:39:32 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4530	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Antimony	U	0.450		mg/Kg	1	7/3/2003 10:42:02 AM
Arsenic	1.93	0.450		mg/Kg	1	7/3/2003 10:42:02 AM
Barium	31.6	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Beryllium	U	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Cadmium	U	0.180		mg/Kg	1	7/3/2003 10:42:02 AM
Calcium	1970	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Chromium	11.4	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Cobalt	13.8	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Copper	12.0	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Iron	6880	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Lead	16.9	0.270		mg/Kg	1	7/3/2003 10:42:02 AM
Magnesium	367	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Manganese	383	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Nickel	8.36	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Potassium	817	1.26		mg/Kg	1	7/3/2003 10:42:02 AM
Selenium	U	0.450		mg/Kg	1	7/3/2003 10:42:02 AM
Silver	U	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Sodium	165	0.540		mg/Kg	1	7/3/2003 10:42:02 AM
Thallium	1.66	0.270		mg/Kg	1	7/3/2003 10:42:02 AM
Vanadium	17.7	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Zinc	34.3	0.360		mg/Kg	1	7/3/2003 10:42:02 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3590	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Antimony	U	0.483		mg/Kg	1	7/3/2003 10:44:32 AM
Arsenic	5.08	0.483		mg/Kg	1	7/3/2003 10:44:32 AM
Barium	70.2	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Beryllium	U	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Cadmium	U	0.193		mg/Kg	1	7/3/2003 10:44:32 AM
Calcium	17400	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Chromium	157	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Cobalt	7.69	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Copper	57.1	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Iron	6040	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Lead	69.6	0.290		mg/Kg	1	7/3/2003 10:44:32 AM
Magnesium	423	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Manganese	149	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Nickel	26.1	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Potassium	690	1.35		mg/Kg	1	7/3/2003 10:44:32 AM
Selenium	U	0.483		mg/Kg	1	7/3/2003 10:44:32 AM
Silver	U	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Sodium	249	0.579		mg/Kg	1	7/3/2003 10:44:32 AM
Thallium	0.847	0.290		mg/Kg	1	7/3/2003 10:44:32 AM
Vanadium	20.8	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Zinc	41.7	0.386		mg/Kg	1	7/3/2003 10:44:32 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	1860	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Antimony	U	0.479		mg/Kg	1	7/3/2003 10:47:09 AM
Arsenic	1.53	0.479		mg/Kg	1	7/3/2003 10:47:09 AM
Barium	30.0	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Beryllium	U	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Cadmium	U	0.192		mg/Kg	1	7/3/2003 10:47:09 AM
Calcium	716	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Chromium	5.17	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Cobalt	5.12	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Copper	20.5	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Iron	4120	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Lead	83.2	0.287		mg/Kg	1	7/3/2003 10:47:09 AM
Magnesium	361	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Manganese	53.2	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Nickel	6.23	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Potassium	521	1.34		mg/Kg	1	7/3/2003 10:47:09 AM
Selenium	U	0.479		mg/Kg	1	7/3/2003 10:47:09 AM
Silver	U	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Sodium	93.6	0.575		mg/Kg	1	7/3/2003 10:47:09 AM
Thallium	0.963	0.287		mg/Kg	1	7/3/2003 10:47:09 AM
Vanadium	8.20	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Zinc	42.9	0.383		mg/Kg	1	7/3/2003 10:47:09 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	1450	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Antimony	U	0.455		mg/Kg	1	7/3/2003 10:50:49 AM
Arsenic	17.1	0.455		mg/Kg	1	7/3/2003 10:50:49 AM
Barium	66.6	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Beryllium	U	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Cadmium	0.765	0.182		mg/Kg	1	7/3/2003 10:50:49 AM
Calcium	2670	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Chromium	22.8	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Cobalt	14.5	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Copper	80.5	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Iron	7520	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Lead	113	0.273		mg/Kg	1	7/3/2003 10:50:49 AM
Magnesium	322	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Manganese	183	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Nickel	27.5	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Potassium	915	1.27		mg/Kg	1	7/3/2003 10:50:49 AM
Selenium	0.29	0.455	J	mg/Kg	1	7/3/2003 10:50:49 AM
Silver	U	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Sodium	152	0.545		mg/Kg	1	7/3/2003 10:50:49 AM
Thallium	0.279	0.273		mg/Kg	1	7/3/2003 10:50:49 AM
Vanadium	8.96	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Zinc	99.2	0.364		mg/Kg	1	7/3/2003 10:50:49 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.063	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5800	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Antimony	U	0.455		mg/Kg	1	7/3/2003 10:53:23 AM
Arsenic	3.22	0.455		mg/Kg	1	7/3/2003 10:53:23 AM
Barium	59.1	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Beryllium	U	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Cadmium	U	0.182		mg/Kg	1	7/3/2003 10:53:23 AM
Calcium	11000	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Chromium	10.7	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Cobalt	7.33	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Copper	30.8	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Iron	4720	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Lead	58.8	0.273		mg/Kg	1	7/3/2003 10:53:23 AM
Magnesium	425	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Manganese	69.9	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Nickel	9.40	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Potassium	1130	1.27		mg/Kg	1	7/3/2003 10:53:23 AM
Selenium	0.32	0.455	J	mg/Kg	1	7/3/2003 10:53:23 AM
Silver	U	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Sodium	1210	0.545		mg/Kg	1	7/3/2003 10:53:23 AM
Thallium	1.51	0.273		mg/Kg	1	7/3/2003 10:53:23 AM
Vanadium	15.9	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Zinc	35.2	0.364		mg/Kg	1	7/3/2003 10:53:23 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2250	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Antimony	2.00	0.484		mg/Kg	1	7/3/2003 10:55:55 AM
Arsenic	27.3	0.484		mg/Kg	1	7/3/2003 10:55:55 AM
Barium	167	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Beryllium	U	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Cadmium	8.14	0.194		mg/Kg	1	7/3/2003 10:55:55 AM
Calcium	2480	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Chromium	177	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Cobalt	17.8	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Copper	413	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Iron	8330	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Lead	433	0.291		mg/Kg	1	7/3/2003 10:55:55 AM
Magnesium	351	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Manganese	218	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Nickel	261	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Potassium	658	1.36		mg/Kg	1	7/3/2003 10:55:55 AM
Selenium	U	0.484		mg/Kg	1	7/3/2003 10:55:55 AM
Silver	U	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Sodium	216	0.581		mg/Kg	1	7/3/2003 10:55:55 AM
Thallium	U	0.291		mg/Kg	1	7/3/2003 10:55:55 AM
Vanadium	37.2	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Zinc	406	0.388		mg/Kg	1	7/3/2003 10:55:55 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2360	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Antimony	U	0.472		mg/Kg	1	7/3/2003 10:58:22 AM
Arsenic	13.7	0.472		mg/Kg	1	7/3/2003 10:58:22 AM
Barium	126	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Beryllium	U	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Cadmium	3.63	0.189		mg/Kg	1	7/3/2003 10:58:22 AM
Calcium	3950	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Chromium	16.2	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Cobalt	11.5	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Copper	127	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Iron	6900	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Lead	248	0.283		mg/Kg	1	7/3/2003 10:58:22 AM
Magnesium	393	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Manganese	142	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Nickel	32.8	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Potassium	782	1.32		mg/Kg	1	7/3/2003 10:58:22 AM
Selenium	0.667	0.472		mg/Kg	1	7/3/2003 10:58:22 AM
Silver	U	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Sodium	737	0.566		mg/Kg	1	7/3/2003 10:58:22 AM
Thallium	U	0.283		mg/Kg	1	7/3/2003 10:58:22 AM
Vanadium	11.8	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Zinc	273	0.377		mg/Kg	1	7/3/2003 10:58:22 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	6670	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Antimony	0.552	0.450		mg/Kg	1	7/3/2003 11:00:53 AM
Arsenic	10.6	0.450		mg/Kg	1	7/3/2003 11:00:53 AM
Barium	456	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Beryllium	U	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Cadmium	U	0.180		mg/Kg	1	7/3/2003 11:00:53 AM
Calcium	11400	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Chromium	149	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Cobalt	711	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Copper	1470	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Iron	7580	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Lead	2040	0.270		mg/Kg	1	7/3/2003 11:00:53 AM
Magnesium	362	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Manganese	535	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Nickel	45.3	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Potassium	1770	1.26		mg/Kg	1	7/3/2003 11:00:53 AM
Selenium	U	0.450		mg/Kg	1	7/3/2003 11:00:53 AM
Silver	0.657	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Sodium	1020	0.540		mg/Kg	1	7/3/2003 11:00:53 AM
Thallium	U	0.270		mg/Kg	1	7/3/2003 11:00:53 AM
Vanadium	34.6	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Zinc	1260	0.360		mg/Kg	1	7/3/2003 11:00:53 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.218	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3170	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Antimony	U	0.490		mg/Kg	1	7/3/2003 11:10:30 AM
Arsenic	7.46	0.490		mg/Kg	1	7/3/2003 11:10:30 AM
Barium	127	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Beryllium	U	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Cadmium	1.01	0.196		mg/Kg	1	7/3/2003 11:10:30 AM
Calcium	4750	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Chromium	28.2	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Cobalt	118	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Copper	387	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Iron	7410	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Lead	472	0.294		mg/Kg	1	7/3/2003 11:10:30 AM
Magnesium	413	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Manganese	219	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Nickel	14.0	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Potassium	762	1.37		mg/Kg	1	7/3/2003 11:10:30 AM
Selenium	0.637	0.490		mg/Kg	1	7/3/2003 11:10:30 AM
Silver	U	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Sodium	381	0.588		mg/Kg	1	7/3/2003 11:10:30 AM
Thallium	0.403	0.294		mg/Kg	1	7/3/2003 11:10:30 AM
Vanadium	13.9	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Zinc	1280	0.392		mg/Kg	1	7/3/2003 11:10:30 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2510	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Antimony	U	0.498		mg/Kg	1	7/3/2003 11:14:17 AM
Arsenic	4.94	0.498		mg/Kg	1	7/3/2003 11:14:17 AM
Barium	25.8	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Beryllium	U	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Cadmium	0.550	0.199		mg/Kg	1	7/3/2003 11:14:17 AM
Calcium	22000	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Chromium	10.7	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Cobalt	5.15	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Copper	27.0	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Iron	4260	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Lead	259	0.299		mg/Kg	1	7/3/2003 11:14:17 AM
Magnesium	437	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Manganese	106	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Nickel	8.64	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Potassium	835	1.39		mg/Kg	1	7/3/2003 11:14:17 AM
Selenium	0.47	0.498	J	mg/Kg	1	7/3/2003 11:14:17 AM
Silver	0.34	0.398	J	mg/Kg	1	7/3/2003 11:14:17 AM
Sodium	251	0.598		mg/Kg	1	7/3/2003 11:14:17 AM
Thallium	1.02	0.299		mg/Kg	1	7/3/2003 11:14:17 AM
Vanadium	19.3	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Zinc	163	0.398		mg/Kg	1	7/3/2003 11:14:17 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Appendix

American Analytical Laboratories, Inc.

Date: *29-Jul-03*

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070103** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/3/2003** SeqNo: **25230**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25252**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: PSB070203	SampType: MBLK	TestCode: 8081_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM QU_030703A
Client ID: ZZZZZ	Batch ID: 1431	TestNo: SW8081B	(SW3550)	Analysis Date: 7/8/2003	SeqNo: 25252

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: PSB070203	SampType: MBLK	TestCode: 8081_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM QU_030703B
Client ID: ZZZZZ	Batch ID: 1431	TestNo: SW8081B	(SW3550)	Analysis Date: 7/8/2003	SeqNo: 25645

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **MSB070103** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/4/2003** SeqNo: **25247**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	12.19	5.0	16.65	0	73.2	69	130	0	0		
Aldrin	4.123	5.0	6.66	0	61.9	66	128	0	0		JS

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **MSB070103** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/4/2003** SeqNo: **25247**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	11.99	5.0	16.65	0	72	67	126	0	0		
Endrin	13.4	5.0	16.65	0	80.5	72	124	0	0		
gamma-BHC	4.279	5.0	6.66	0	64.2	68	122	0	0		JS
Heptachlor	5.41	5.0	6.66	0	81.2	64	130	0	0		

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.74	5.0	16.65	0	107	69	130	0	0		
Aldrin	6.054	5.0	6.66	0	90.9	66	128	0	0		
Dieldrin	16.9	5.0	16.65	0	102	67	126	0	0		
Endrin	18.47	5.0	16.65	0	111	72	124	0	0		
gamma-BHC	6.487	5.0	6.66	0	97.4	68	122	0	0		
Heptachlor	7.817	5.0	6.66	0	117	64	130	0	0		

Sample ID: **0306116-02BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **B12 (5'-7')** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/4/2003** SeqNo: **25248**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	5.517	5.0	6.66	0	82.8	66	128	0	0		
Dieldrin	14.87	5.0	16.65	0	89.3	67	126	0	0		
Endrin	22.38	5.0	16.65	23.63	-7.53	72	124	0	0		S
gamma-BHC	4.868	5.0	6.66	0	73.1	68	122	0	0		J
Heptachlor	7.066	5.0	6.66	0	106	64	130	0	0		

Sample ID: **0306116-02BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **B12 (5'-7')** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25337**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	192.2	50	16.65	145.7	279	69	130	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **0306117-03BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25658**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.03	5.0	16.65	0	90.3	69	130	0	0		
Aldrin	6.163	5.0	6.66	0	92.5	66	128	0	0		
Dieldrin	14.33	5.0	16.65	0	86	67	126	0	0		
Endrin	15.28	5.0	16.65	0	91.8	72	124	0	0		
gamma-BHC	5.214	5.0	6.66	0	78.3	68	122	0	0		
Heptachlor	6.094	5.0	6.66	0	91.5	64	130	0	0		

Sample ID: **0306116-02BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **B12 (5'-7')** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/4/2003** SeqNo: **25249**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	44.63	5.0	16.65	132	-524	69	130	162.9	114	20	SR
Aldrin	6.016	5.0	6.66	0	90.3	66	128	5.517	8.65	20	
Dieldrin	15.17	5.0	16.65	0	91.1	67	126	14.87	2.01	20	
Endrin	20.25	5.0	16.65	23.63	-20.3	72	124	22.38	9.96	20	S
gamma-BHC	5.747	5.0	6.66	0	86.3	68	122	4.868	16.6	20	
Heptachlor	7.281	5.0	6.66	0	109	64	130	7.066	3.00	20	

Sample ID: **0306117-03BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25659**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.21	5.0	16.65	0	103	69	130	15.03	13.5	20	
Aldrin	6.247	5.0	6.66	0	93.8	66	128	6.163	1.35	20	
Dieldrin	15.47	5.0	16.65	0	92.9	67	126	14.33	7.67	20	
Endrin	18.49	5.0	16.65	0	111	72	124	15.28	19.0	20	
gamma-BHC	5.696	5.0	6.66	0	85.5	68	122	5.214	8.84	20	
Heptachlor	6.866	5.0	6.66	0	103	64	130	6.094	11.9	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **PSB070103** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **ZZZZZ** Batch ID: **1426** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/7/2003** SeqNo: **25405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25422**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **MSB070103** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **ZZZZZ** Batch ID: **1426** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	169	80	166.5	0	101	59	122	0	0		
Aroclor 1260	176.5	80	166.5	0	106	57	121	0	0		

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	147.2	80	166.5	0	88.4	59	122	0	0		
Aroclor 1260	162.1	80	166.5	0	97.4	57	121	0	0		

Sample ID: **0306116-04BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **B13 (5'-7')** Batch ID: **1426** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	255.1	80	166.5	0	153	59	122	0	0		S
Aroclor 1260	249.8	80	166.5	0	150	57	121	0	0		S

Sample ID: **0306117-01BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	189.1	80	166.5	0	114	59	122	0	0		
Aroclor 1260	193.5	80	166.5	0	116	57	121	0	0		

Sample ID: **0306116-04BMSD** SampType: **MSD** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **B13 (5'-7')** Batch ID: **1426** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25433**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	239	80	166.5	0	144	59	122	255.1	6.54	20	S
Aroclor 1260	231.6	80	166.5	0	139	57	121	249.8	7.57	20	S

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **0306117-01BMSD**	SampType: **MSD**	TestCode: **8082_Soil**	Units: **µg/Kg**	Prep Date: **7/2/2003**	Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ**	Batch ID: **1429**	TestNo: **SW8082A**	**(SW3550)**	Analysis Date: **7/12/2003**	SeqNo: **25745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	291.3	80	166.5	0	175	59	122	189.1	42.6	20	SR
Aroclor 1260	315.2	80	166.5	0	189	57	121	193.5	47.9	20	SR

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070103** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1425** TestNo: **SW8270D (SW3550A)** Analysis Date: **7/1/2003** SeqNo: **25202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070103	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/1/2003	Run ID: SYSTEM T_030701B
Client ID: ZZZZZ	Batch ID: 1425	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/1/2003	SeqNo: 25202

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070103** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1425** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/1/2003** SeqNo: **25202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030701B
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25216

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030702A
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25537

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **LCS070103** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1425** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25212**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	489	40	666	0	73.4	53	123	0	0		
1,4-Dichlorobenzene	502.8	40	666	0	75.5	41.5	114	0	0		
2,4-Dinitrotoluene	400.8	40	666	0	60.2	48	85.2	0	0		
2-Chlorophenol	499.6	40	666	0	75	52	113	0	0		
4-Chloro-3-methylphenol	524.6	40	666	0	78.8	50.3	111	0	0		
4-Nitrophenol	423.9	40	666	0	63.6	41.6	108	0	0		
Acenaphthene	475.5	40	666	0	71.4	43.6	113	0	0		
N-Nitrosodi-n-propylamine	476.3	40	666	0	71.5	42	120	0	0		
Pentachlorophenol	411.6	40	666	0	61.8	38.6	109	0	0		
Phenol	514.2	40	666	0	77.2	44.8	113	0	0		
Pyrene	604.3	40	666	0	90.7	46.2	104	0	0		

Sample ID: **LCS070203** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	541.2	40	666	0	81.3	53	123	0	0		
1,4-Dichlorobenzene	513.2	40	666	0	77.1	41.5	114	0	0		
2,4-Dinitrotoluene	420.5	40	666	0	63.1	48	85.2	0	0		
2-Chlorophenol	534.2	40	666	0	80.2	52	113	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **LCS070203** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	538.8	40	666	0	80.9	50.3	111	0	0		
4-Nitrophenol	462.2	40	666	0	69.4	41.6	108	0	0		
Acenaphthene	497	40	666	0	74.6	43.6	113	0	0		
N-Nitrosodi-n-propylamine	521.8	40	666	0	78.4	42	120	0	0		
Pentachlorophenol	445.3	40	666	0	66.9	38.6	109	0	0		
Phenol	511.9	40	666	0	76.9	44.8	113	0	0		
Pyrene	629.8	40	666	0	94.6	46.2	104	0	0		

Sample ID: **0306116-04B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **B13 (5'-7')** Batch ID: **1425** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	507.9	40	666	0	76.3	53	123	0	0		
1,4-Dichlorobenzene	470.1	40	666	0	70.6	41.5	114	0	0		
2,4-Dinitrotoluene	421.1	40	666	0	63.2	48	85.2	0	0		
2-Chlorophenol	504.4	40	666	0	75.7	52	113	0	0		
4-Chloro-3-methylphenol	557.9	40	666	0	83.8	50.3	111	0	0		
4-Nitrophenol	471.7	40	666	0	70.8	41.6	108	0	0		
Acenaphthene	491.2	40	666	0	73.8	43.6	113	0	0		
N-Nitrosodi-n-propylamine	491.1	40	666	0	73.7	42	120	0	0		
Pentachlorophenol	494.8	40	666	0	74.3	38.6	109	0	0		
Phenol	497.9	40	666	0	74.8	44.8	113	0	0		
Pyrene	808	40	666	0	121	46.2	104	0	0		S

Sample ID: **0306117-03B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	422.8	40	666	0	63.5	53	123	0	0		
1,4-Dichlorobenzene	390.4	40	666	0	58.6	41.5	114	0	0		
2,4-Dinitrotoluene	448.2	40	666	0	67.3	48	85.2	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-03B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	424.9	40	666	0	63.8	52	113	0	0		
4-Chloro-3-methylphenol	573.7	40	666	0	86.1	50.3	111	0	0		
4-Nitrophenol	500.5	40	666	0	75.1	41.6	108	0	0		
Acenaphthene	493.8	40	666	0	74.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	413.7	40	666	0	62.1	42	120	0	0		
Pentachlorophenol	537.7	40	666	0	80.7	38.6	109	0	0		
Phenol	426.9	40	666	0	64.1	44.8	113	0	0		
Pyrene	665.6	40	666	0	99.9	46.2	104	0	0		

Sample ID: **0306116-04B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **B13 (5'-7')** Batch ID: **1425** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	493.8	40	666	0	74.1	53	123	0	0		
1,4-Dichlorobenzene	419.2	40	666	0	62.9	41.5	114	0	0		
2,4-Dinitrotoluene	411.7	40	666	0	61.8	48	85.2	0	0		
2-Chlorophenol	482.3	40	666	0	72.4	52	113	0	0		
4-Chloro-3-methylphenol	557.7	40	666	0	83.7	50.3	111	0	0		
4-Nitrophenol	504.1	40	666	0	75.7	41.6	108	0	0		
Acenaphthene	514.4	40	666	0	77.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	469.3	40	666	0	70.5	42	120	0	0		
Pentachlorophenol	502.9	40	666	0	75.5	38.6	109	0	0		
Phenol	464.5	40	666	0	69.7	44.8	113	0	0		
Pyrene	766.8	40	666	0	115	46.2	104	0	0		S

Sample ID: **0306117-03B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	478.3	40	666	0	71.8	53	123	0	0		
1,4-Dichlorobenzene	462	40	666	0	69.4	41.5	114	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-03B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	406.6	40	666	0	61.1	48	85.2	0	0		
2-Chlorophenol	462.4	40	666	0	69.4	52	113	0	0		
4-Chloro-3-methylphenol	526.8	40	666	0	79.1	50.3	111	0	0		
4-Nitrophenol	462.1	40	666	0	69.4	41.6	108	0	0		
Acenaphthene	476.8	40	666	0	71.6	43.6	113	0	0		
N-Nitrosodi-n-propylamine	448.1	40	666	0	67.3	42	120	0	0		
Pentachlorophenol	507	40	666	0	76.1	38.6	109	0	0		
Phenol	473.6	40	666	0	71.1	44.8	113	0	0		
Pyrene	610.7	40	666	0	91.7	46.2	104	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK063003** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK063003** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK063003** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **LCS063003** SampType: **LCS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	44.21	5.0	50	0	88.4	67.3	124	0	0		
Benzene	53.98	5.0	50	0	108	65.1	126	0	0		
Chlorobenzene	50.04	5.0	50	0	100	63.7	127	0	0		
Toluene	42.8	5.0	50	0	85.6	68.7	124	0	0		
Trichloroethene	42.21	5.0	50	0	84.4	63.4	123	0	0		

Sample ID: **0306116-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **B12 (0.5-2')** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.8	5.0	50	0	33.6	67.3	124	0	0		S
Benzene	26.06	5.0	50	0	52.1	65.1	126	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **0306116-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **B12 (0.5-2')** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	11.2	5.0	50	0	22.4	63.7	127	0	0		S
Toluene	17.99	5.0	50	0	36	68.7	124	0	0		S
Trichloroethene	13.58	5.0	50	0	27.2	63.4	123	0	0		S

Sample ID: **0306116-01AMSD** SampType: **MSD** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **B12 (0.5-2')** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.02	5.0	50	0	32	67.3	124	16.8	4.75	20	S
Benzene	22.28	5.0	50	0	44.6	65.1	126	26.06	15.6	20	S
Chlorobenzene	7.36	5.0	50	0	14.7	63.7	127	11.2	41.4	20	SR
Toluene	14.18	5.0	50	0	28.4	68.7	124	17.99	23.7	20	SR
Trichloroethene	10.27	5.0	50	0	20.5	63.4	123	13.58	27.8	20	SR

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **MB063003A** SampType: **MBLK** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0250									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0200									
Chromium	U	0.0200									
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.0700									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Sample ID: **LCS 1** SampType: **LCS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24827**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.978	0.0200	2	0	98.9	75	125	0	0		
Antimony	1.98	0.0250	2	0	99	67	111	0	0		
Arsenic	1.975	0.0250	2	0	98.7	67.6	123	0	0		
Barium	1.973	0.0200	2	0	98.7	65.1	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **LCS 1** SampType: **LCS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24827**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	2.008	0.0200	2	0	100	60.8	118	0	0		
Cadmium	1.985	0.0100	2	0	99.2	62.9	114	0	0		
Calcium	2.006	0.0200	2	0	100	75	125	0	0		
Chromium	1.985	0.0200	2	0	99.3	64.8	120	0	0		
Cobalt	1.993	0.0200	2	0	99.7	75	125	0	0		
Copper	1.981	0.0200	2	0	99	61.4	118	0	0		
Iron	1.946	0.0200	2	0	97.3	75	125	0	0		
Lead	1.928	0.0150	2	0	96.4	60.6	119	0	0		
Magnesium	2.002	0.0200	2	0	100	75	125	0	0		
Manganese	2.008	0.0200	2	0	100	61	111	0	0		
Nickel	1.999	0.0200	2	0	100	66.5	126	0	0		
Potassium	20.12	0.0700	20	0	101	75	125	0	0		
Selenium	1.975	0.0250	2	0	98.7	60.5	115	0	0		
Silver	1.983	0.0200	2	0	99.1	72.4	106	0	0		
Sodium	2.006	0.0300	2	0	100	75	125	0	0		
Thallium	1.999	0.0150	2	0	99.9	62	116	0	0		
Vanadium	1.996	0.0200	2	0	99.8	75	125	0	0		
Zinc	1.985	0.0200	2	0	99.3	61	112	0	0		

Sample ID: **0306116-20B MS** SampType: **MS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW10 (0.5-2')** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2448	0.398	19.92	2509	-307	75	125	0	0		S
Antimony	14.05	0.498	19.92	0	70.5	67	111	0	0		
Arsenic	23.51	0.498	19.92	4.937	93.2	67.6	123	0	0		
Barium	41.85	0.398	19.92	25.78	80.7	65.1	120	0	0		
Beryllium	16.7	0.398	19.92	0	83.8	60.8	118	0	0		
Cadmium	17.81	0.199	19.92	0.5503	86.6	62.9	114	0	0		
Calcium	21450	0.398	19.92	21960	-2570	75	125	0	0		S
Chromium	27.07	0.398	19.92	10.74	82	64.8	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **0306116-20B MS** SampType: **MS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW10 (0.5-2')** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	20.37	0.398	19.92	5.152	76.4	75	125	0	0		
Copper	43.45	0.398	19.92	26.97	82.7	61.4	118	0	0		
Iron	4172	0.398	19.92	4260	-441	75	125	0	0		S
Lead	266.8	0.299	19.92	259.1	38.7	60.6	119	0	0		S
Magnesium	439.7	0.398	19.92	436.5	16	75	125	0	0		S
Manganese	118.1	0.398	19.92	105.7	62	61	111	0	0		
Nickel	23.74	0.398	19.92	8.637	75.8	66.5	126	0	0		
Potassium	1082	1.39	199.2	835.2	124	75	125	0	0		
Selenium	17.46	0.498	19.92	0.4651	85.3	60.5	115	0	0		
Silver	19.73	0.398	19.92	0.3427	97.3	72.4	106	0	0		
Sodium	263.1	0.598	19.92	251	61.1	75	125	0	0		S
Thallium	18.71	0.299	19.92	1.022	88.8	62	116	0	0		
Vanadium	35.3	0.398	19.92	19.3	80.3	75	125	0	0		
Zinc	173.1	0.398	19.92	163	50.5	61	112	0	0		S

Sample ID: **0306116-20B MSD** SampType: **MSD** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW10 (0.5-2')** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2468	0.398	19.92	2509	-204	75	125	2448	0.832	0	S
Antimony	14.28	0.498	19.92	0	71.7	67	111	14.05	1.65	20	
Arsenic	22.88	0.498	19.92	4.937	90.1	67.6	123	23.51	2.72	20	
Barium	42.45	0.398	19.92	25.78	83.7	65.1	120	41.85	1.41	20	
Beryllium	16.88	0.398	19.92	0	84.8	60.8	118	16.7	1.13	20	
Cadmium	17.87	0.199	19.92	0.5503	87	62.9	114	17.81	0.368	20	
Calcium	21540	0.398	19.92	21960	-2110	75	125	21450	0.432	0	S
Chromium	26.69	0.398	19.92	10.74	80.1	64.8	120	27.07	1.41	20	
Cobalt	20.63	0.398	19.92	5.152	77.7	75	125	20.37	1.27	20	
Copper	43.72	0.398	19.92	26.97	84	61.4	118	43.45	0.608	20	
Iron	4201	0.398	19.92	4260	-293	75	125	4172	0.704	0	S
Lead	268.1	0.299	19.92	259.1	45.2	60.6	119	266.8	0.491	20	S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **0306116-20B MSD** SampType: **MSD** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW10 (0.5-2')** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	437.7	0.398	19.92	436.5	5.86	75	125	439.7	0.462	0	S
Manganese	118.7	0.398	19.92	105.7	65.3	61	111	118.1	0.551	20	
Nickel	23.79	0.398	19.92	8.637	76.1	66.5	126	23.74	0.231	20	
Potassium	1097	1.39	199.2	835.2	131	75	125	1082	1.38	0	S
Selenium	17.58	0.498	19.92	0.4651	85.9	60.5	115	17.46	0.659	20	
Silver	19.9	0.398	19.92	0.3427	98.2	72.4	106	19.73	0.842	20	
Sodium	266.1	0.598	19.92	251	75.9	75	125	263.1	1.11	0	
Thallium	18.54	0.299	19.92	1.022	88	62	116	18.71	0.908	20	
Vanadium	35.42	0.398	19.92	19.3	80.9	75	125	35.3	0.355	20	
Zinc	173.2	0.398	19.92	163	51.2	61	112	173.1	0.0740	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306116-01B	205 *	95.7						
0306116-02B	143	112						
0306116-02BMS	131	107						
0306116-02BMSD	135	100						
0306116-03B	83.3	87.0						
0306116-04B	101	80.9						
0306116-05B	116	119						
0306116-06B	115	102						
0306116-07B	117	89.1						
0306116-08B	87.3	92.3						
0306116-09B	69.4	90.0						
0306116-10B	75.2	74.3						
0306116-11B	69.0	57.9 *						
0306116-12B	71.2	96.9						
0306116-13B	57.3 *	49.7 *						
0306116-14B	93.4	82.2						
0306116-15B	86.4	82.5						
0306116-16B	77.3	87.2						
0306116-17B	62.2	67.1						
0306116-18B	89.3	99.4						
0306116-19B	80.6	65.0						
0306116-20B	137	130						
0306117-03BMS	98.4	75.7						
0306117-03BMSD	102	82.7						
MSB070103	77.4	59.1 *						
MSB070203	112	99.2						
PSB070103	129	98.6						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	61.4-149
XYL2456CLM	=	TCX	63.9-130

*** Surrogate recovery outside acceptance limits**

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
PSB070203	95.6	81.0						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	61.4-149
XYL2456CLM	=	TCX	63.9-130

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306116-01B	133 *	71.5						
0306116-02B	130 *	119						
0306116-03B	143 *	127						
0306116-04B	70.4	89.2						
0306116-04BMS	137 *	127						
0306116-04BMSD	127 *	116						
0306116-05B	104	93.3						
0306116-06B	109	102						
0306116-07B	117	105						
0306116-08B	64.7	61.7						
0306116-09B	119	166 *						
0306116-10B	91.2	93.8						
0306116-11B	81.5	75.6						
0306116-12B	86.0	86.1						
0306116-13B	61.7	58.7						
0306116-14B	99.2	82.4						
0306116-15B	74.9	70.3						
0306116-16B	101	87.4						
0306116-17B	103	102						
0306116-18B	83.4	71.6						
0306116-19B	117	100						
0306116-20B	84.8	76.2						
0306117-01BMS	84.6	84.7						
0306117-01BMSD	93.0	71.7						
MSB070103	28.4 *	90.1						
MSB070203	67.4	78.7						
PSB070103	94.1	66.5						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	43.3-125
XYL2456CLM	=	TCX	31.2-128

*** Surrogate recovery outside acceptance limits**

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
PSB070203	69.6	60.2						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	43.3-125
XYL2456CLM	=	TCX	31.2-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0306116-01A	103	100	95.7					
0306116-01AMS	106	102	97.5					
0306116-01AMSD	103	101	98.3					
0306116-02A	101	100	95.7					
0306116-03A	117	100	100					
0306116-04A	104	96.6	94.2					
0306116-05A	107	94.6	92.3					
0306116-06A	112	95.8	91.4					
0306116-07A	110	91.4	96.4					
0306116-08A	115	90.6	86.8					
0306116-09A	113	89.3	85.6					
0306116-10A	107	87.6	91.7					
0306116-11A	106	85.0	93.7					
0306116-12A	117	85.4	88.9					
0306116-13A	98.8	94.7	100					
0306116-14A	97.0	95.6	106					
0306116-15A	99.8	95.1	104					
0306116-16A	98.9	93.8	107					
0306116-17A	73.2	90.2	104					
0306116-18A	96.4	94.9	104					
0306116-19A	99.7	97.0	111					
0306116-20A	100	94.0	108					
LCS063003	114	104	105					
VBLK063003	112	100	94.4					
VBLK070103	100	97.3	107					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	65.8-125
BZMED8	=	Toluene-d8	70.3-125
DBFM	=	Dibromofluoromethane	83.7-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0306116-01B	93.6	94.1	95.9	95.4	100	83.7		
0306116-02B	84.0	87.8	87.6	91.7	97.2	79.8		
0306116-03B	79.7	62.9	73.9	90.0	91.8	73.7		
0306116-04B	80.1	92.2	78.8	77.6	104	78.8		
0306116-04B	81.4	91.2	78.5	82.4	95.2	75.3		
0306116-04B	84.6	95.8	89.2	92.9	97.2	77.8		
0306116-04B MS	80.1	92.2	78.8	77.6	104	78.8		
0306116-04B MSD	81.4	91.2	78.5	82.4	95.2	75.3		
0306116-05B	87.0	91.5	88.9	96.6	99.2	80.2		
0306116-06B	81.0	96.2	78.6	92.5	102	76.0		
0306116-07B	127 *	102	95.0	96.0	101	84.5		
0306116-08B	87.5	118	81.2	97.3	108	77.9		
0306116-09B	91.8	77.2	94.4	87.6	111	92.2		
0306116-10B	83.6	90.2	90.1	90.5	96.5	85.8		
0306116-11B	35.3	44.2	36.0	40.6	43.5	36.9		
0306116-12B	79.0	106	85.0	88.5	95.0	71.3		
0306116-13B	74.1	110	83.3	86.5	93.8	74.4		
0306116-14B	79.6	104	77.4	92.6	97.6	72.3		
0306116-15B	64.1	80.0	60.4	75.3	90.7	60.2		
0306116-16B	110	98.0	86.8	102	108	83.8		
0306116-17B	78.0	90.8	81.9	85.6	89.8	74.8		
0306116-18B	85.7	105	79.8	100	103	87.5		
0306116-19B	81.5	107	82.0	88.0	114	80.5		
0306116-20B	84.4	97.3	85.7	87.4	93.6	77.2		
0306117-03B MS	72.5	81.2	77.2	78.4	101	69.6		
0306117-03B MSD	75.4	83.4	77.0	79.6	91.6	79.2		
LCS070103	82.4	84.2	91.5	84.2	104	88.8		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
LCS070203	88.1	82.7	99.2	86.6	109	89.2		
SSB070103	81.7	81.4	83.6	88.8	98.1	76.0		
SSB070203	92.4	80.6	91.8	93.6	98.3	93.9		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

ASP CATEGORY A
WORKORDER 0306117
AKRF, INC.
GREENPOINT LUMBER YARD
BROOKLYN, N.Y.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

ASP CATEGORY A

COVER PAGE

July 28, 2003

Mimi Sotiriou
AKRF, Inc
116 East 27th Street
7th Floor
New York, NY 10016

TEL: (646) 459-3528
FAX (212) 726-0942

RE: Greenpoint Lumber Yard Brooklyn, NY

Order No.: 0306117

Dear Mimi Sotiriou:

American Analytical Laboratories, Inc. received 20 samples on 6/27/2003 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0306117

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306117-01A	MW10 (5'-7')		6/25/2003	6/27/2003
0306117-01B	MW10 (5'-7')		6/25/2003	6/27/2003
0306117-02A	B10 (5'-7')		6/26/2003	6/27/2003
0306117-02B	B10 (5'-7')		6/26/2003	6/27/2003
0306117-03A	B10 (9'-10')		6/26/2003	6/27/2003
0306117-03B	B10 (9'-10')		6/26/2003	6/27/2003
0306117-04A	MW9 (1.5-3.5')		6/26/2003	6/27/2003
0306117-04B	MW9 (1.5-3.5')		6/26/2003	6/27/2003
0306117-05A	MW9 (5'-6')		6/26/2003	6/27/2003
0306117-05B	MW9 (5'-6')		6/26/2003	6/27/2003
0306117-06A	B7 (9.5'-10.0')		6/26/2003	6/27/2003
0306117-07A	MW7 (10'-11')		6/26/2003	6/27/2003
0306117-07B	MW7 (10'-11')		6/26/2003	6/27/2003
0306117-08A	MW7 (6.5-7.5)		6/26/2003	6/27/2003
0306117-08B	MW7 (6.5-7.5)		6/26/2003	6/27/2003
0306117-09A	B11 (1-3)		6/26/2003	6/27/2003
0306117-09B	B11 (1-3)		6/26/2003	6/27/2003
0306117-10A	B11 (7-9)		6/26/2003	6/27/2003
0306117-10B	B11 (7-9)		6/26/2003	6/27/2003
0306117-11A	MW11 (0.5'-2')		6/26/2003	6/27/2003
0306117-11B	MW11 (0.5'-2')		6/26/2003	6/27/2003
0306117-12A	MW11 (7'-9')		6/26/2003	6/27/2003
0306117-12B	MW11 (7'-9')		6/26/2003	6/27/2003
0306117-13A	MW14 (3'-4')		6/26/2003	6/27/2003
0306117-13B	MW14 (3'-4')		6/26/2003	6/27/2003
0306117-14A	MW14 (6'-8')		6/26/2003	6/27/2003
0306117-14B	MW14 (6'-8')		6/26/2003	6/27/2003
0306117-15A	B14 (2'-3.5')		6/26/2003	6/27/2003
0306117-15B	B14 (2'-3.5')		6/26/2003	6/27/2003
0306117-16A	B14 (6'-8')		6/26/2003	6/27/2003
0306117-16B	B14 (6'-8')		6/26/2003	6/27/2003
0306117-17A	B15 (8.0'-9.0')		6/26/2003	6/27/2003
0306117-17B	B15 (8.0'-9.0')		6/26/2003	6/27/2003
0306117-18A	B15 (0.5'-2')		6/26/2003	6/27/2003
0306117-18B	B15 (0.5'-2')		6/26/2003	6/27/2003
0306117-19A	MW15 (0.5'-2')		6/26/2003	6/27/2003
0306117-19B	MW15 (0.5'-2')		6/26/2003	6/27/2003
0306117-20A	MW15 (6'-8')		6/26/2003	6/27/2003

CLIENT:	AKRF, Inc
Project:	Greenpoint Lumber Yard Brooklyn, NY
Lab Order:	0306117

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306117-20B	MW15 (6'-8')		6/26/2003	6/27/2003

SDG NARRATIVE

SDG Narrative

AAL Work Order: : 0306117
Sample Matrix : Soil
Project : Greenpoint

INTRODUCTION
This narrative covers the analysis of twenty (20) soils in accordance with protocols based on SW846 Methods 8260, 8270, 8081, 8082, 6010 and 7470.

HOLDING TIMES
The analytical holding time for these analyses was met.

CALIBRATIONS
Initial Calibration: All required minimum RRFs and maximum %RSD requirements have been met in accordance with the method.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the method.

TUNE PERFORMANCE
All Tune (BFB) specifications met QC requirements.

METHOD BLANKS
The method blanks associated with these samples did not contain any target compounds at or above QC.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE/DUPLICATES
MS/MSD/Dup analysis was performed as required. Results are submitted as an appendix to this report. Spike recoveries and RPD fell within established ranges except where noted on the summary sheets. No laboratory action is required for MS/MSD outliers.

INTERNAL STANDARDS
All area responses and retention times fell within acceptable ranges.

SURROGATES (SYSTEM MONITORING COMPOUNDS)
Surrogate recoveries are summarized in the appendix to this report.

SAMPLE COMMENTS
Samples were analyzed as per the required protocols.

Semivolatile Analysis:
Semivolatile analysis of sample B10 (5'-7') was analyzed at a 1:10 dilution. A secondary diluted reanalysis was perform (1:50) in order to obtain several PAH concentrations within the upper half of the instruments linear calibration range. Results have been hybridized on the Form I.

Sample MW9 (1.5-3.5') was initially analyzed undiluted. A diluted reanalysis (1:5) was performed as a result of Fluoranthene concentrations. Samples MW7 (6.5-7.5) and MW9 (5'-6') were analyzed at 1:2 dilutions. MW7 (6.5-7.5) was reanalyzed at a 1:20 dilution based upon target analyte PAH concentrations. B11 (1-3) was analyzed at a 1:8 dilution. A secondary reanalysis was performed at a 1:80.

MW11 (0.5'-2') and MW15 (0.5'-2') were initially analyzed at 1:2 dilutions. Based upon target analyte concentrations the sample extracts were reanalyzed at 1:10 dilutions.

All samples were analyzed undiluted for VOCs, Pesticides, PCBs and Metals.
I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his designee, as verified by the following signature." This statement shall be directly followed by signature of the Laboratory Manager or his designee with a typed line below it containing the signer's name and title, and the date of the signature.

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET
FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFERS

For reporting results, the following "Results Qualifers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		*VOA GC/MS METHOD #	*BNA GC/MS METHOD #	*VOA GC METHOD #	*PEST PCBs METHOD #	*METALS	*OTHER
MW10(5'-7')	0306117-01	8260	8270	NA	8081/ 8082	6010/ 7470	NA
B10(5'-7')	0306117-02						
B10(9'-10')	0306117-03						
MW9(1.5'-3.5')	0306117-04						
MW9(5'-6')	0306117-05						
B7(9.5-10.0)	0306117-06						
MW7(10-11)	0306117-07						
MW7(6.5-7.5)	0306117-08						
B11(1-3)	0306117-09						
B11(7-9)	0306117-10						
MW11(0.5-2')	0306117-11						
MW11(7'-9')	0306117-12						
MW14(3'-4')	0306117-13						
MW14(6'-8')	0306117-14						
B14(2'-3.5')	0306117-15						
B14(6'-8')	0306117-16						

B15 (8.0'-9.0') 0306117-17
B15(0.9'-2') 0306117-18
MW15 (0.5-2') 0306117-19
MW15 (6'-8') 0306117-20

NA = Not Applicable

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306117-01	SOIL	06/25/03	06/27/03	07/01/03	07/03/03
0306117-02		06/26/03			07/03/03, 07/08/03
0306117-03					07/02/03
0306117-04					07/07/03
0306117-05					07/07/03
0306117-06					07/07/03
0306117-07					07/03/03
0306117-08					07/03/03, 07/07/03
0306117-09					07/03/03, 07/08/03
0306117-10					07/03/03
0306117-11					07/03/03, 07/07/03
0306117-12					07/03/03
0306117-13					07/08/03
0306117-14					07/10/03
0306117-15					07/10/03
0306117-16					07/09/03
0306117-17					07/09/03
0306117-18					07/10/03
0306117-19					07/10/03, 07/11/03
0306117-20					07/11/03

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306117-01	SOIL	06/25/03	06/27/03	NA	07/02/03
0306117-02		06/26/03			07/01/03
0306117-03					
0306117-04					
0306117-05					
0306117-06					
0306117-07					07/02/03
0306117-08					07/02/03
0306117-09					07/01/03
0306117-10					
0306117-11					
0306117-12					
0306117-13					
0306117-14					07/02/03
0306117-15					
0306117-16					
0306117-17					
0306117-18					
0306117-19					
0306117-20					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE / PCB
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306117-01	SOIL	06/25/03	06/27/03	07/01/03	07/04/03
0306117-02		06/26/03			
0306117-03					07/09/03
0306117-04					07/04/03
0306117-05					
0306117-06					07/08/03
0306117-07					07/04/03
0306117-08					07/08/03
0306117-09					07/08/03
0306117-10					
0306117-11					
0306117-12					
0306117-13					07/09/03
0306117-14					
0306117-15					07/10/03
0306117-16					
0306117-17					
0306117-18					
0306117-19					
0306117-20					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILLARY CLEAN UP	DIL / CONC. FACTOR
0306117-01	SOIL	SW846 8270	SONC SW846 3550	NA	1
0306117-02	↓	↓	↓	↓	10,500
0306117-03	↓	↓	↓	↓	1
0306117-04	↓	↓	↓	↓	1,5
0306117-05	↓	↓	↓	↓	2
0306117-06	↓	↓	↓	↓	1
0306117-07	↓	↓	↓	↓	1
0306117-08	↓	↓	↓	↓	2,20
0306117-09	↓	↓	↓	↓	8,80
0306117-10	↓	↓	↓	↓	1
0306117-11	↓	↓	↓	↓	2,10
0306117-12	↓	↓	↓	↓	1
0306117-13	↓	↓	↓	↓	1
0306117-14	↓	↓	↓	↓	1
0306117-15	↓	↓	↓	↓	1
0306117-16	↓	↓	↓	↓	1
0306117-17	↓	↓	↓	↓	1
0306117-18	↓	↓	↓	↓	1
0306117-19	↓	↓	↓	↓	2,10
0306117-20	↓	↓	↓	↓	2,10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE ANALYZED
0306117-01	SOIL	TAL (23)	6/27/03	7/3/03
0306117-02				
0306117-03				
0306117-04				
0306117-05				
0306117-06				
0306117-07				
0306117-08				
0306117-09				
0306117-10				
0306117-11				
0306117-12				
0306117-13				
0306117-14				
0306117-15				

0306117-16
0306117-17
0306117-18
0306117-19
0306117-20

CHAIN OF CUSTODY FORMS

Sheet 2 of 5

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH	ELAP	11418
CTDOH	PH-0205	
NJDEP	NY050	
PADEP	68-573	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ALRF, Inc.
CONTACT: 917-612-7877
Mimi Sotiriou 646-459-3528

SAMPLER (SIGNATURE): M Sotiriou
DATE: 6/25/03 TIME: 1600
SAMPLER NAME (PRINT): M. Sotiriou
SAMPLE(S) SEALED: YES NO
CORRECT CONTAINER(S): YES NO

PROJECT LOCATION: 30260-0006
Greenpoint Lumber Yard Brooklyn, NY

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260 VOC	SVOC 8270	PCB 8081	Pest 8082	TAL Metals	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0306116-10A,B	S			B6 (0.5'-2')	X	X	X	X	X	
0306116-11A,11B				B6 (6'-7')						
0306116-12A,12B				MW6 (0.5'-2')						
0306116-13A,B				MW6 (6'-7')						
0306116-14A,B				MW8 (2'-4')						
0306116-15A,B				MW8 (5'-6.5')						
0306116-16A,B				B9 (14"-25")						
0306116-17A,B				B9 (5'-6')						
0306116-18A,18B				B8 ~~(5'-7')~~ (0.5-2')						
0306116-19A,19B				B8 (8'-10')						
0306116-20A,20B				MW10 (0.5-2')						
0306117-01A,B				MW10 (5'-7')						

COOLER TEMPERATURE:

COMMENTS / INSTRUCTIONS

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 1200	M. Sotiriou	Chris Dunn	6-27-03 2:Pm	Christopher Dunn
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH ELAP 11418
CTDOH PH-0205
NJDEP NY050
PADEP 68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: AKRF, Inc. Mimi Sotiriou

CONTACT: 917-612-7877 646-459-3528

SAMPLER (SIGNATURE): M Sotiriou

DATE: 6/26/03 TIME: 1600

SAMPLE(S) SEALED: YES / NO

SAMPLER NAME (PRINT): M. Sotiriou

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION:

ANALYSIS REQUIRED: VOC 8260, SVOC 8270, PCB 8081, Pest 8082, TAL Metals

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	VOC 8260	SVOC 8270	PCB 8081	Pest 8082	TAL Metals	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0306117-02A,B	S			B10 (5'-7')	X	X	X	X	X	
0306117-03A,B				B10 (9'-10')	X	X	X	X	X	
0306117-04A,B				MW9 (1.5'-3.5')	X	X	X	X	X	
0306117-05A,B				MW9 (5'-6')	X	X	X	X	X	
0306117-06A,B				B7 (9.5-10.0)	✓					
0306117-07A,B				MW7 ~~(9-10)~~ (10-11)	X	X	X	X	X	
0306117-08A,B				MW7 (6.5-7.5)	↓	↓	↓	↓	↓	
0306117-09A,B				B11 (1-3)						
0306117-10A,B				B11 (7-9)						
0306117-11A,B				MW11 (0.5-2')						
0306117-12A,B	✓			MW11 (7'-9')	✓	✓	✓	✓	✓	

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 12:00	M. Sotiriou	Chris Dann	6-27-03 2:00	Christopher Dann
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

Sheet 4 of 5

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH	ELAP	11418
CTDOH	PH-0205	
NJDEP	NY050	
PADEP	68-573	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ACLF Inc.
CONTACT: 917-62-7877
Mimi Sotiriou 646-459-3528

SAMPLER (SIGNATURE): M Sotiriou
DATE: 6/26/03
TIME: 1600
SAMPLE(S) SEALED: YES / NO
SAMPLER NAME (PRINT): Mimi Sotiriou
CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION: Greenpoint Lumber Yard, Brooklyn
30260-0006

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	VOC 8260	SVOC 8270	PCB 8081	Pest 8082	TAL Metals	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0306117-13A	B3			MW14 (3'-4')	X	X	X	X	X	
0306117-14A	B			MW14 (6'-8')	↓	↓	↓	↓	↓	
0306117-15A	B			B14 (2'-3.5')	↓	↓	↓	↓	↓	
0306117-16A	B			B14 (6'-8')	↓	↓	↓	↓	↓	
0306117-17A	B		B15	~~MW16~~ (8.0'-9.0')	↓	↓	↓	↓	↓	
0306117-18A	B		B15	~~MW16~~ (0.5'-2')	↓	↓	↓	↓	↓	
0306117-19A	B		MW15	(0.5'-2')	↓	↓	↓	↓	↓	
0306117-20A	B		MW15	(6'-8')	↓	↓	↓	↓	↓	
				~~FIELD BLANK~~						
				~~FIELD BLANK~~						
				~~FIELD BLANK~~						

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 12:00	M Sotiriou	[signature]	6-27-03 2:Pm	Christopher Dunn
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

E-O E / C RY-L PINK PLE TODI GOL ROD- NT

GC/MS VOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Acetone	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Acrolein	U	25		µg/Kg	1	7/2/2003 3:15:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Benzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Ethanol	U	25		µg/Kg	1	7/2/2003 3:15:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 3:15:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Styrene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Toluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 1:53:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 1:53:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 1:53:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 2:30:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 2:30:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 2:30:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 3:08:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 3:08:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 3:08:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 3:46:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 3:46:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 3:46:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7 (9.5'-10.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 4:24:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7 (9.5'-10.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 4:24:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 4:24:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7 (9.5'-10.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Acetone	25	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Acetone	64	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 7:34:00 PM
Acrolein	U	25		µg/Kg	1	7/2/2003 5:10:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Benzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Ethanol	U	25		µg/Kg	1	7/2/2003 5:10:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 7:34:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 5:10:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 7:34:00 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Styrene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Toluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 8:12:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 8:12:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 8:12:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,4-Trimethylbenzene	3	5.0	J	µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,3,5-Trimethylbenzene	4	5.0	J	µg/Kg	1	7/1/2003 8:51:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
4-Isopropyltoluene	10	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 8:51:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 8:51:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
m,p-Xylene	1	10	J	µg/Kg	1	7/1/2003 8:51:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Naphthalene	110	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
o-Xylene	3	5.0	J	µg/Kg	1	7/1/2003 8:51:00 PM
p-Diethylbenzene	11	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
p-Ethyltoluene	6.8	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 9:28:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 9:28:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 9:28:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 10:06:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 10:06:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 10:06:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 10:44:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 10:44:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 10:44:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Acetone	49	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 11:21:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 11:21:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 11:21:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003
2-Butanone	U	5.0		µg/Kg	1	7/2/2003
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003
Acetone	U	5.0		µg/Kg	1	7/2/2003
Acrolein	U	25		µg/Kg	1	7/2/2003
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003
Benzene	U	5.0		µg/Kg	1	7/2/2003
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003
Bromoform	U	5.0		µg/Kg	1	7/2/2003
Bromomethane	U	5.0		µg/Kg	1	7/2/2003
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003
Chloroethane	U	5.0		µg/Kg	1	7/2/2003
Chloroform	U	5.0		µg/Kg	1	7/2/2003
Chloromethane	U	5.0		µg/Kg	1	7/2/2003
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003
Ethanol	U	25		µg/Kg	1	7/2/2003
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003
Freon-114	U	5.0		µg/Kg	1	7/2/2003
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003
m,p-Xylene	U	10		µg/Kg	1	7/2/2003
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003
Naphthalene	U	5.0		µg/Kg	1	7/2/2003
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003
o-Xylene	U	5.0		µg/Kg	1	7/2/2003
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003
Styrene	U	5.0		µg/Kg	1	7/2/2003
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003
Toluene	U	5.0		µg/Kg	1	7/2/2003
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 12:38:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 12:38:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 12:38:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Trichloroethene	3	5.0	J	µg/Kg	1	7/2/2003 12:38:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 1:16:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 1:16:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 1:16:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Acetone	44	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 1:54:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 1:54:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 1:54:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 2:32:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 2:32:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 2:32:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 3:10:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 3:10:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 3:10:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 3.10:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 3:48:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM

Qualifiers:

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 3:48:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 3:48:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM

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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM

Qualifiers:

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GC/MS SEMIVOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Methylnaphthalene	58	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Acenaphthene	180	40		µg/Kg	1	7/3/2003 3:13:00 AM
Acenaphthylene	45	40		µg/Kg	1	7/3/2003 3:13:00 AM
Aniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Anthracene	450	40		µg/Kg	1	7/3/2003 3:13:00 AM
Azobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzidine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(a)anthracene	1000	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(a)pyrene	990	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(b)fluoranthene	1100	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(g,h,i)perylene	690	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(k)fluoranthene	480	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzoic acid	110	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Bis(2-ethylhexyl)phthalate	55	40		µg/Kg	1	7/3/2003 3:13:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Carbazole	180	40		µg/Kg	1	7/3/2003 3:13:00 AM
Chrysene	1100	40		µg/Kg	1	7/3/2003 3:13:00 AM
Dibenzo(a,h)anthracene	150	40		µg/Kg	1	7/3/2003 3:13:00 AM
Dibenzofuran	120	40		µg/Kg	1	7/3/2003 3:13:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Fluoranthene	2700	40		µg/Kg	1	7/3/2003 3:13:00 AM
Fluorene	190	40		µg/Kg	1	7/3/2003 3:13:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Indeno(1,2,3-c,d)pyrene	690	40		µg/Kg	1	7/3/2003 3:13:00 AM
Isophorone	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Naphthalene	79	40		µg/Kg	1	7/3/2003 3:13:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Phenanthrene	2400	40		µg/Kg	1	7/3/2003 3:13:00 AM
Phenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Pyrene	2500	40		µg/Kg	1	7/3/2003 3:13:00 AM
Pyridine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
1,2-Dichlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
1,3-Dichlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
1,4-Dichlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4,5-Trichlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4,6-Trichlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4-Dichlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4-Dimethylphenol	690	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4-Dinitrophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4-Dinitrotoluene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,6-Dinitrotoluene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Chloronaphthalene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Chlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Methylnaphthalene	56000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
2-Methylphenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Nitroaniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Nitrophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
3,3'-Dichlorobenzidine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
3+4-Methylphenol	1100	400		µg/Kg	10	7/3/2003 11:34:00 PM
3-Nitroaniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4,6-Dinitro-2-methylphenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Bromophenyl phenyl ether	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Chloro-3-methylphenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Chloroaniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Chlorophenyl phenyl ether	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Nitroaniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Nitrophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Acenaphthene	94000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Acenaphthylene	42000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Aniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Anthracene	240000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Azobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Benzidine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Benzo(a)anthracene	290000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzo(a)pyrene	240000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzo(b)fluoranthene	280000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzo(g,h,i)perylene	130000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzo(k)fluoranthene	82000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzoic acid	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Benzyl alcohol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Bis(2-chloroethyl)ether	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Bis(2-chloroisopropyl)ether	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Bis(2-ethylhexyl)phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Butyl benzyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Carbazole	64000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Chrysene	270000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Dibenzo(a,h)anthracene	31000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Dibenzofuran	100000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Diethyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Dimethyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Di-n-butyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Di-n-octyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Fluoranthene	760000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Fluorene	150000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Hexachlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Hexachlorobutadiene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Hexachlorocyclopentadiene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Hexachloroethane	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Indeno(1,2,3-c,d)pyrene	140000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Isophorone	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Naphthalene	100000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Nitrobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
N-Nitrosodimethylamine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
N-Nitrosodi-n-propylamine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
N-Nitrosodiphenylamine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Pentachlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Phenanthrene	930000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Phenol	570	400		µg/Kg	10	7/3/2003 11:34:00 PM
Pyrene	690000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Pyridine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Acenaphthene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Aniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Anthracene	47	40		µg/Kg	1	7/2/2003 11:54:00 PM
Azobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzidine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(a)anthracene	60	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(a)pyrene	49	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(b)fluoranthene	60	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzoic acid	95	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Carbazole	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Chrysene	64	40		µg/Kg	1	7/2/2003 11:54:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Fluoranthene	160	40		µg/Kg	1	7/2/2003 11:54:00 PM
Fluorene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Isophorone	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Naphthalene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Phenanthrene	180	40		µg/Kg	1	7/2/2003 11:54:00 PM
Phenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Pyrene	150	40		µg/Kg	1	7/2/2003 11:54:00 PM
Pyridine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Methylnaphthalene	100	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
3+4-Methylphenol	54	40		µg/Kg	1	7/7/2003 3:41:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Acenaphthene	180	40		µg/Kg	1	7/7/2003 3:41:00 PM
Acenaphthylene	89	40		µg/Kg	1	7/7/2003 3:41:00 PM
Aniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Anthracene	580	40		µg/Kg	1	7/7/2003 3:41:00 PM
Azobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzidine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(a)anthracene	1300	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(a)pyrene	1100	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(b)fluoranthene	1400	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(g,h,i)perylene	740	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(k)fluoranthene	520	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzoic acid	110	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Bis(2-ethylhexyl)phthalate	91	40		µg/Kg	1	7/7/2003 3:41:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Carbazole	170	40		µg/Kg	1	7/7/2003 3:41:00 PM
Chrysene	1300	40		µg/Kg	1	7/7/2003 3:41:00 PM
Dibenzo(a,h)anthracene	190	40		µg/Kg	1	7/7/2003 3:41:00 PM
Dibenzofuran	130	40		µg/Kg	1	7/7/2003 3:41:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Fluoranthene	3100	200		µg/Kg	5	7/8/2003 4:34:00 PM
Fluorene	230	40		µg/Kg	1	7/7/2003 3:41:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Indeno(1,2,3-c,d)pyrene	770	40		µg/Kg	1	7/7/2003 3:41:00 PM
Isophorone	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Naphthalene	150	40		µg/Kg	1	7/7/2003 3:41:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Phenanthrene	2300	40		µg/Kg	1	7/7/2003 3:41:00 PM
Phenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Pyrene	2600	40		µg/Kg	1	7/7/2003 3:41:00 PM
Pyridine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Methylnaphthalene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Acenaphthene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Acenaphthylene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Aniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Anthracene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Azobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzidine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(a)anthracene	360	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(a)pyrene	400	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(b)fluoranthene	520	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(g,h,i)perylene	300	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(k)fluoranthene	150	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzoic acid	98	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Bis(2-ethylhexyl)phthalate	84	80		µg/Kg	2	7/7/2003 3:00:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Carbazole	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Chrysene	450	80		µg/Kg	2	7/7/2003 3:00:00 PM
Dibenzo(a,h)anthracene	82	80		µg/Kg	2	7/7/2003 3:00:00 PM
Dibenzofuran	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Fluoranthene	650	80		µg/Kg	2	7/7/2003 3:00:00 PM
Fluorene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Indeno(1,2,3-c,d)pyrene	280	80		µg/Kg	2	7/7/2003 3:00:00 PM
Isophorone	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Naphthalene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Phenanthrene	350	80		µg/Kg	2	7/7/2003 3:00:00 PM
Phenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Pyrene	640	80		µg/Kg	2	7/7/2003 3:00:00 PM
Pyridine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Methylnaphthalene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
3+4-Methylphenol	62	40		µg/Kg	1	7/3/2003 1:35:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Acenaphthene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Aniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Anthracene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Azobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzidine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(a)anthracene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(a)pyrene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(b)fluoranthene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzoic acid	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Carbazole	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Chrysene	47	40		µg/Kg	1	7/3/2003 1:35:00 AM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Dibenzofuran	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Fluoranthene	72	40		µg/Kg	1	7/3/2003 1:35:00 AM
Fluorene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Isophorone	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Naphthalene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Phenanthrene	59	40		µg/Kg	1	7/3/2003 1:35:00 AM
Phenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Pyrene	68	40		µg/Kg	1	7/3/2003 1:35:00 AM
Pyridine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Methylnaphthalene	680	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Methylphenol	87	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
3,3´-Dichlorobenzidine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Acenaphthene	1400	80		µg/Kg	2	7/3/2003 9:18:00 PM
Acenaphthylene	480	80		µg/Kg	2	7/3/2003 9:18:00 PM
Aniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Anthracene	3800	80		µg/Kg	2	7/3/2003 9:18:00 PM
Azobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzidine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzo(a)anthracene	8400	800		µg/Kg	20	7/7/2003 5:13:00 PM
Benzo(a)pyrene	7400	800		µg/Kg	20	7/7/2003 5:13:00 PM
Benzo(b)fluoranthene	8600	800		µg/Kg	20	7/7/2003 5:13:00 PM
Benzo(g,h,i)perylene	3900	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzo(k)fluoranthene	2500	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzoic acid	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Carbazole	1700	80		µg/Kg	2	7/3/2003 9:18:00 PM
Carbazole	1900	800		µg/Kg	20	7/7/2003 5:13:00 PM
Chrysene	8100	800		µg/Kg	20	7/7/2003 5:13:00 PM
Dibenzo(a,h)anthracene	1000	80		µg/Kg	2	7/3/2003 9:18:00 PM
Dibenzofuran	1500	80		µg/Kg	2	7/3/2003 9:18:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Fluoranthene	20000	800		µg/Kg	20	7/7/2003 5:13:00 PM
Fluorene	1800	80		µg/Kg	2	7/3/2003 9:18:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Indeno(1,2,3-c,d)pyrene	4100	80		µg/Kg	2	7/3/2003 9:18:00 PM
Isophorone	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Naphthalene	1400	80		µg/Kg	2	7/3/2003 9:18:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Phenanthrene	19000	800		µg/Kg	20	7/7/2003 5:13:00 PM
Phenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Pyrene	17000	800		µg/Kg	20	7/7/2003 5:13:00 PM
Pyridine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
1,2-Dichlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
1,3-Dichlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
1,4-Dichlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4,5-Trichlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4,6-Trichlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4-Dichlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4-Dimethylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4-Dinitrophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4-Dinitrotoluene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,6-Dinitrotoluene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Chloronaphthalene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Chlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Methylnaphthalene	1500	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Methylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Nitroaniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Nitrophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
3,3´-Dichlorobenzidine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
3+4-Methylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
3-Nitroaniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4,6-Dinitro-2-methylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Bromophenyl phenyl ether	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Chloro-3-methylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Chloroaniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Chlorophenyl phenyl ether	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Nitroaniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Nitrophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Acenaphthene	4000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Acenaphthylene	580	320		µg/Kg	8	7/3/2003 10:49:00 PM
Aniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Anthracene	13000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Azobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzidine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzo(a)anthracene	36000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Benzo(a)pyrene	32000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Benzo(b)fluoranthene	39000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Benzo(g,h,i)perylene	17000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzo(k)fluoranthene	11000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzoic acid	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzyl alcohol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Bis(2-chloroethyl)ether	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Bis(2-chloroisopropyl)ether	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Bis(2-ethylhexyl)phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Butyl benzyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Carbazole	4900	320		µg/Kg	8	7/3/2003 10:49:00 PM
Chrysene	37000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Dibenzo(a,h)anthracene	5500	320		µg/Kg	8	7/3/2003 10:49:00 PM
Dibenzofuran	4200	320		µg/Kg	8	7/3/2003 10:49:00 PM
Diethyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Dimethyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Di-n-butyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Di-n-octyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Fluoranthene	69000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Fluorene	5500	320		µg/Kg	8	7/3/2003 10:49:00 PM
Hexachlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Hexachlorobutadiene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Hexachlorocyclopentadiene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Hexachloroethane	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Indeno(1,2,3-c,d)pyrene	19000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Isophorone	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Naphthalene	3600	320		µg/Kg	8	7/3/2003 10:49:00 PM
Nitrobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
N-Nitrosodimethylamine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
N-Nitrosodi-n-propylamine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
N-Nitrosodiphenylamine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Pentachlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Phenanthrene	52000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Phenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Pyrene	65000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Pyridine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Methylnaphthalene	41	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Acenaphthene	110	40		µg/Kg	1	7/3/2003 2:05:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Aniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Anthracene	310	40		µg/Kg	1	7/3/2003 2:05:00 PM
Azobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzidine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(a)anthracene	640	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(a)pyrene	590	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(b)fluoranthene	670	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(g,h,i)perylene	330	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(k)fluoranthene	270	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzoic acid	240	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Carbazole	120	40		µg/Kg	1	7/3/2003 2:05:00 PM
Chrysene	670	40		µg/Kg	1	7/3/2003 2:05:00 PM
Dibenzo(a,h)anthracene	100	40		µg/Kg	1	7/3/2003 2:05:00 PM
Dibenzofuran	94	40		µg/Kg	1	7/3/2003 2:05:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Fluoranthene	1200	40		µg/Kg	1	7/3/2003 2:05:00 PM
Fluorene	140	40		µg/Kg	1	7/3/2003 2:05:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Indeno(1,2,3-c,d)pyrene	340	40		µg/Kg	1	7/3/2003 2:05:00 PM
Isophorone	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Naphthalene	83	40		µg/Kg	1	7/3/2003 2:05:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Phenanthrene	1200	40		µg/Kg	1	7/3/2003 2:05:00 PM
Phenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Pyrene	1100	40		µg/Kg	1	7/3/2003 2:05:00 PM
Pyridine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Methylnaphthalene	120	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Acenaphthene	450	80		µg/Kg	2	7/3/2003 10:04:00 PM
Acenaphthylene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Aniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Anthracene	1100	80		µg/Kg	2	7/3/2003 10:04:00 PM
Azobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzidine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(a)anthracene	2200	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(a)pyrene	1900	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(b)fluoranthene	2300	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(g,h,i)perylene	1300	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(k)fluoranthene	850	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzoic acid	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Bis(2-ethylhexyl)phthalate	130	80		µg/Kg	2	7/3/2003 10:04:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Carbazole	470	80		µg/Kg	2	7/3/2003 10:04:00 PM
Chrysene	2400	80		µg/Kg	2	7/3/2003 10:04:00 PM
Dibenzo(a,h)anthracene	320	80		µg/Kg	2	7/3/2003 10:04:00 PM
Dibenzofuran	240	80		µg/Kg	2	7/3/2003 10:04:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Fluoranthene	6400	400		µg/Kg	10	7/7/2003 5:56:00 PM
Fluorene	430	80		µg/Kg	2	7/3/2003 10:04:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Indeno(1,2,3-c,d)pyrene	1300	80		µg/Kg	2	7/3/2003 10:04:00 PM
Isophorone	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Naphthalene	100	80		µg/Kg	2	7/3/2003 10:04:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Phenanthrene	6600	400		µg/Kg	10	7/7/2003 5:56:00 PM
Phenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Pyrene	5100	80		µg/Kg	2	7/3/2003 10:04:00 PM
Pyridine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Methylnaphthalene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Acenaphthene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Aniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Anthracene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Azobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzidine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(a)anthracene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(a)pyrene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(b)fluoranthene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzoic acid	120	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Carbazole	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Chrysene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Dibenzofuran	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Fluoranthene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Fluorene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Isophorone	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Naphthalene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Phenanthrene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Phenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Pyrene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Pyridine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Acenaphthene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Aniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Anthracene	89	40		µg/Kg	1	7/8/2003 8:54:00 PM
Azobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzidine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(a)anthracene	370	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(a)pyrene	340	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(b)fluoranthene	420	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(g,h,i)perylene	190	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(k)fluoranthene	140	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzoic acid	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Carbazole	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Chrysene	470	40		µg/Kg	1	7/8/2003 8:54:00 PM
Dibenzo(a,h)anthracene	50	40		µg/Kg	1	7/8/2003 8:54:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Fluoranthene	890	40		µg/Kg	1	7/8/2003 8:54:00 PM
Fluorene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Indeno(1,2,3-c,d)pyrene	200	40		µg/Kg	1	7/8/2003 8:54:00 PM
Isophorone	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Naphthalene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Phenanthrene	500	40		µg/Kg	1	7/8/2003 8:54:00 PM
Phenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Pyrene	820	40		µg/Kg	1	7/8/2003 8:54:00 PM
Pyridine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
3+4-Methylphenol	42	40		µg/Kg	1	7/10/2003 9:12:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Acenaphthene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Aniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Anthracene	46	40		µg/Kg	1	7/10/2003 9:12:00 PM
Azobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzidine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(a)anthracene	310	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(a)pyrene	310	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(b)fluoranthene	430	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(g,h,i)perylene	200	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(k)fluoranthene	130	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzoic acid	160	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Carbazole	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Chrysene	410	40		µg/Kg	1	7/10/2003 9:12:00 PM
Dibenzo(a,h)anthracene	56	40		µg/Kg	1	7/10/2003 9:12:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Fluoranthene	710	40		µg/Kg	1	7/10/2003 9:12:00 PM
Fluorene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Indeno(1,2,3-c,d)pyrene	210	40		µg/Kg	1	7/10/2003 9:12:00 PM
Isophorone	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Naphthalene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Phenanthrene	340	40		µg/Kg	1	7/10/2003 9:12:00 PM
Phenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Pyrene	770	40		µg/Kg	1	7/10/2003 9:12:00 PM
Pyridine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
1,4-Dichlorobenzene	55	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Acenaphthene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Aniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Anthracene	56	40		µg/Kg	1	7/10/2003 9:58:00 PM
Azobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzidine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(a)anthracene	240	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(a)pyrene	250	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(b)fluoranthene	320	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(g,h,i)perylene	220	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(k)fluoranthene	100	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzoic acid	84	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Carbazole	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Chrysene	260	40		µg/Kg	1	7/10/2003 9:58:00 PM
Dibenzo(a,h)anthracene	55	40		µg/Kg	1	7/10/2003 9:58:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Fluoranthene	400	40		µg/Kg	1	7/10/2003 9:58:00 PM
Fluorene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Indeno(1,2,3-c,d)pyrene	190	40		µg/Kg	1	7/10/2003 9:58:00 PM
Isophorone	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Naphthalene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Phenanthrene	180	40		µg/Kg	1	7/10/2003 9:58:00 PM
Phenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Pyrene	410	40		µg/Kg	1	7/10/2003 9:58:00 PM
Pyridine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Methylnaphthalene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Acenaphthene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Aniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Anthracene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Azobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzidine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(a)anthracene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(a)pyrene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(b)fluoranthene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzoic acid	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Carbazole	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Chrysene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Dibenzofuran	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Fluoranthene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Fluorene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Isophorone	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Naphthalene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Phenanthrene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Phenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Pyrene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Pyridine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Methylnaphthalene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Acenaphthene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Aniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Anthracene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Azobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzidine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(a)anthracene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(a)pyrene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(b)fluoranthene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzoic acid	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Carbazole	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Chrysene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Dibenzofuran	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Fluoranthene	59	40		µg/Kg	1	7/9/2003 10:26:00 AM
Fluorene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Isophorone	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Naphthalene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Phenanthrene	47	40		µg/Kg	1	7/9/2003 10:26:00 AM
Phenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Pyrene	60	40		µg/Kg	1	7/9/2003 10:26:00 AM
Pyridine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
1,2-Dichlorobenzene	69	40		µg/Kg	1	7/10/2003 10:46:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Methylnaphthalene	250	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Acenaphthene	43	40		µg/Kg	1	7/10/2003 10:46:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Aniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Anthracene	110	40		µg/Kg	1	7/10/2003 10:46:00 PM
Azobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzidine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(a)anthracene	460	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(a)pyrene	410	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(b)fluoranthene	590	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(g,h,i)perylene	440	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(k)fluoranthene	240	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzoic acid	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Bis(2-ethylhexyl)phthalate	690	40		µg/Kg	1	7/10/2003 10:46:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Carbazole	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Chrysene	540	40		µg/Kg	1	7/10/2003 10:46:00 PM
Dibenzo(a,h)anthracene	70	40		µg/Kg	1	7/10/2003 10:46:00 PM
Dibenzofuran	40	40		µg/Kg	1	7/10/2003 10:46:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Fluoranthene	730	40		µg/Kg	1	7/10/2003 10:46:00 PM
Fluorene	62	40		µg/Kg	1	7/10/2003 10:46:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Indeno(1,2,3-c,d)pyrene	330	40		µg/Kg	1	7/10/2003 10:46:00 PM
Isophorone	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Naphthalene	160	40		µg/Kg	1	7/10/2003 10:46:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Phenanthrene	510	40		µg/Kg	1	7/10/2003 10:46:00 PM
Phenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Pyrene	800	40		µg/Kg	1	7/10/2003 10:46:00 PM
Pyridine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Methylnaphthalene	220	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Acenaphthene	550	80		µg/Kg	2	7/10/2003 11:33:00 PM
Acenaphthylene	200	80		µg/Kg	2	7/10/2003 11:33:00 PM
Aniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Anthracene	1400	80		µg/Kg	2	7/10/2003 11:33:00 PM
Azobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzidine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(a)anthracene	2700	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(a)pyrene	2200	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(b)fluoranthene	2800	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(g,h,i)perylene	1300	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(k)fluoranthene	720	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzoic acid	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Bis(2-ethylhexyl)phthalate	1100	80		µg/Kg	2	7/10/2003 11:33:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Carbazole	180	80		µg/Kg	2	7/10/2003 11:33:00 PM
Chrysene	2700	80		µg/Kg	2	7/10/2003 11:33:00 PM
Dibenzo(a,h)anthracene	370	80		µg/Kg	2	7/10/2003 11:33:00 PM
Dibenzofuran	300	80		µg/Kg	2	7/10/2003 11:33:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Fluoranthene	5300	400		µg/Kg	10	7/11/2003 3:12:00 PM
Fluorene	460	80		µg/Kg	2	7/10/2003 11:33:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Indeno(1,2,3-c,d)pyrene	1300	80		µg/Kg	2	7/10/2003 11:33:00 PM
Isophorone	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Naphthalene	200	80		µg/Kg	2	7/10/2003 11:33:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Phenanthrene	2700	80		µg/Kg	2	7/10/2003 11:33:00 PM
Phenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Pyrene	5600	400		µg/Kg	10	7/11/2003 3:12:00 PM
Pyridine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Chloronaphthalene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Chlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Methylnaphthalene	95	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Methylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Nitroaniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Nitrophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
3,3´-Dichlorobenzidine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
3+4-Methylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
3-Nitroaniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Chloroaniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Nitroaniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Nitrophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Acenaphthene	570	80		µg/Kg	2	7/11/2003 12:21:00 AM
Acenaphthylene	300	80		µg/Kg	2	7/11/2003 12:21:00 AM
Aniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Anthracene	1600	80		µg/Kg	2	7/11/2003 12:21:00 AM
Azobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzidine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(a)anthracene	4600	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(a)pyrene	3800	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(b)fluoranthene	4200	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(g,h,i)perylene	2200	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(k)fluoranthene	1800	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzoic acid	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzyl alcohol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Carbazole	330	80		µg/Kg	2	7/11/2003 12:21:00 AM
Chrysene	4700	80		µg/Kg	2	7/11/2003 12:21:00 AM
Dibenzo(a,h)anthracene	620	80		µg/Kg	2	7/11/2003 12:21:00 AM
Dibenzofuran	290	80		µg/Kg	2	7/11/2003 12:21:00 AM
Diethyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Dimethyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Fluoranthene	8500	400		µg/Kg	10	7/11/2003 3:52:00 PM
Fluorene	460	80		µg/Kg	2	7/11/2003 12:21:00 AM
Hexachlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Hexachlorobutadiene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Hexachloroethane	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Indeno(1,2,3-c,d)pyrene	2200	80		µg/Kg	2	7/11/2003 12:21:00 AM
Isophorone	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Naphthalene	190	80		µg/Kg	2	7/11/2003 12:21:00 AM
Nitrobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Pentachlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Phenanthrene	4700	80		µg/Kg	2	7/11/2003 12:21:00 AM
Phenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Pyrene	8400	400		µg/Kg	10	7/11/2003 3:52:00 PM
Pyridine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

GC PESTICIDE/PCB DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Chlordane	7.5	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 11:10:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	25	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
4,4'-DDE	27	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
4,4'-DDT	32	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Chlordane	67	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 11:53:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Chlordane	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 8:59:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
DBCP	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endrin	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Toxaphene	U	300		µg/Kg	1	7/4/2003 12:58:00 PM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
DBCP	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endrin	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Toxaphene	U	300		µg/Kg	1	7/4/2003 1:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
beta-BHC	5	5.0	J	µg/Kg	1	7/8/2003 8:48:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 8:48:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
DBCP	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endrin	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Heptachlor	8.0	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Toxaphene	U	300		µg/Kg	1	7/4/2003 2:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	150	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
4,4´-DDE	140	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
4,4´-DDT	29	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Chlordane	160	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 9:31:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 10:13:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
4,4'-DDE	13	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
4,4'-DDT	19	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Chlordane	16	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 10:56:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
4,4´-DDE	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
4,4´-DDT	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
DBCP	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endrin	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Toxaphene	U	300		µg/Kg	1	7/8/2003 12:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Chlordane	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 10:25:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Chlordane	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 11:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 12:13:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 12:56:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 3:27:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 4:10:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	24	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
4,4'-DDE	17	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 4:53:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 5:58:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 10:35:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1254	150	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1260	160	80		µg/Kg	1	7/9/2003 11:17:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 4:57:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 5:40:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1260	40	80	J	µg/Kg	1	7/11/2003 6:23:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 7:28:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1254	480	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1260	160	80		µg/Kg	1	7/11/2003 8:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 10:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1260	50	80	J	µg/Kg	1	7/11/2003 11:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 12:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 4:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 4:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 5:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 6:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 7:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1254	60	80	J	µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1260	50	80	J	µg/Kg	1	7/11/2003 8:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1254	50	80	J	µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1260	50	80	J	µg/Kg	1	7/11/2003 9:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 10:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

INORGANIC DATA

RESULTS - INORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.094	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5330	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Antimony	U	0.436		mg/Kg	1	7/3/2003 11:33:18 AM
Arsenic	5.14	0.436		mg/Kg	1	7/3/2003 11:33:18 AM
Barium	57.1	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Beryllium	U	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Cadmium	0.433	0.174		mg/Kg	1	7/3/2003 11:33:18 AM
Calcium	3540	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Chromium	10.3	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Cobalt	8.85	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Copper	36.6	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Iron	5490	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Lead	46.8	0.261		mg/Kg	1	7/3/2003 11:33:18 AM
Magnesium	380	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Manganese	219	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Nickel	11.3	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Potassium	761	1.22		mg/Kg	1	7/3/2003 11:33:18 AM
Selenium	U	0.436		mg/Kg	1	7/3/2003 11:33:18 AM
Silver	U	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Sodium	240	0.523		mg/Kg	1	7/3/2003 11:33:18 AM
Thallium	1.05	0.261		mg/Kg	1	7/3/2003 11:33:18 AM
Vanadium	14.1	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Zinc	98.1	0.348		mg/Kg	1	7/3/2003 11:33:18 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.276	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2890	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Antimony	U	0.445		mg/Kg	1	7/3/2003 11:39:01 AM
Arsenic	9.33	0.445		mg/Kg	1	7/3/2003 11:39:01 AM
Barium	141	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Beryllium	U	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Cadmium	4.06	0.178		mg/Kg	1	7/3/2003 11:39:01 AM
Calcium	18100	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Chromium	21.3	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Cobalt	13.9	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Copper	86.8	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Iron	6350	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Lead	246	0.267		mg/Kg	1	7/3/2003 11:39:01 AM
Magnesium	412	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Manganese	189	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Nickel	19.1	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Potassium	1110	1.25		mg/Kg	1	7/3/2003 11:39:01 AM
Selenium	0.43	0.445	J	mg/Kg	1	7/3/2003 11:39:01 AM
Silver	0.26	0.356	J	mg/Kg	1	7/3/2003 11:39:01 AM
Sodium	359	0.534		mg/Kg	1	7/3/2003 11:39:01 AM
Thallium	0.869	0.267		mg/Kg	1	7/3/2003 11:39:01 AM
Vanadium	14.3	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Zinc	288	0.356		mg/Kg	1	7/3/2003 11:39:01 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4230	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Antimony	U	0.456		mg/Kg	1	7/3/2003 11:42:13 AM
Arsenic	3.18	0.456		mg/Kg	1	7/3/2003 11:42:13 AM
Barium	39.5	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Beryllium	U	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Cadmium	U	0.182		mg/Kg	1	7/3/2003 11:42:13 AM
Calcium	5820	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Chromium	5.01	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Cobalt	6.16	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Copper	22.5	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Iron	3730	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Lead	3.12	0.274		mg/Kg	1	7/3/2003 11:42:13 AM
Magnesium	233	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Manganese	37.5	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Nickel	9.59	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Potassium	423	1.28		mg/Kg	1	7/3/2003 11:42:13 AM
Selenium	U	0.456		mg/Kg	1	7/3/2003 11:42:13 AM
Silver	U	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Sodium	402	0.547		mg/Kg	1	7/3/2003 11:42:13 AM
Thallium	0.994	0.274		mg/Kg	1	7/3/2003 11:42:13 AM
Vanadium	11.8	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Zinc	8.20	0.365		mg/Kg	1	7/3/2003 11:42:13 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5430	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Antimony	U	0.490		mg/Kg	1	7/3/2003 11:44:37 AM
Arsenic	22.2	0.490		mg/Kg	1	7/3/2003 11:44:37 AM
Barium	162	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Beryllium	U	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Cadmium	2.33	0.196		mg/Kg	1	7/3/2003 11:44:37 AM
Calcium	6350	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Chromium	16.0	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Cobalt	12.3	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Copper	178	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Iron	6910	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Lead	161	0.294		mg/Kg	1	7/3/2003 11:44:37 AM
Magnesium	349	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Manganese	149	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Nickel	15.5	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Potassium	855	1.37		mg/Kg	1	7/3/2003 11:44:37 AM
Selenium	0.545	0.490		mg/Kg	1	7/3/2003 11:44:37 AM
Silver	U	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Sodium	341	0.588		mg/Kg	1	7/3/2003 11:44:37 AM
Thallium	1.71	0.294		mg/Kg	1	7/3/2003 11:44:37 AM
Vanadium	18.8	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Zinc	379	0.392		mg/Kg	1	7/3/2003 11:44:37 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	0.31	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Antimony	U	0.458		mg/Kg	1	7/3/2003 11:53:08 AM
Arsenic	U	0.458		mg/Kg	1	7/3/2003 11:53:08 AM
Barium	0.407	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Beryllium	0.384	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Cadmium	0.344	0.183		mg/Kg	1	7/3/2003 11:53:08 AM
Calcium	0.421	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Chromium	0.31	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Cobalt	0.29	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Copper	0.33	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Iron	0.790	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Lead	U	0.275		mg/Kg	1	7/3/2003 11:53:08 AM
Magnesium	0.424	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Manganese	0.373	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Nickel	0.28	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Potassium	4.16	1.28		mg/Kg	1	7/3/2003 11:53:08 AM
Selenium	U	0.458		mg/Kg	1	7/3/2003 11:53:08 AM
Silver	0.36	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Sodium	0.18	0.549	J	mg/Kg	1	7/3/2003 11:53:08 AM
Thallium	0.522	0.275		mg/Kg	1	7/3/2003 11:53:08 AM
Vanadium	0.36	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Zinc	0.34	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3660	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Antimony	U	0.421		mg/Kg	1	7/3/2003 11:55:49 AM
Arsenic	3.25	0.421		mg/Kg	1	7/3/2003 11:55:49 AM
Barium	70.9	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Beryllium	U	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Cadmium	U	0.168		mg/Kg	1	7/3/2003 11:55:49 AM
Calcium	19300	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Chromium	5.68	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Cobalt	5.61	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Copper	205	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Iron	3550	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Lead	22.4	0.253		mg/Kg	1	7/3/2003 11:55:49 AM
Magnesium	357	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Manganese	61.9	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Nickel	5.25	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Potassium	1180	1.18		mg/Kg	1	7/3/2003 11:55:49 AM
Selenium	U	0.421		mg/Kg	1	7/3/2003 11:55:49 AM
Silver	U	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Sodium	727	0.505		mg/Kg	1	7/3/2003 11:55:49 AM
Thallium	1.75	0.253		mg/Kg	1	7/3/2003 11:55:49 AM
Vanadium	9.89	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Zinc	24.7	0.337		mg/Kg	1	7/3/2003 11:55:49 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2060	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Antimony	U	0.443		mg/Kg	1	7/3/2003 11:58:32 AM
Arsenic	4.56	0.443		mg/Kg	1	7/3/2003 11:58:32 AM
Barium	42.9	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Beryllium	U	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Cadmium	0.199	0.177		mg/Kg	1	7/3/2003 11:58:32 AM
Calcium	20400	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Chromium	4.83	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Cobalt	7.64	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Copper	26.6	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Iron	5060	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Lead	220	0.266		mg/Kg	1	7/3/2003 11:58:32 AM
Magnesium	400	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Manganese	203	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Nickel	6.58	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Potassium	1090	1.24		mg/Kg	1	7/3/2003 11:58:32 AM
Selenium	1.04	0.443		mg/Kg	1	7/3/2003 11:58:32 AM
Silver	U	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Sodium	257	0.532		mg/Kg	1	7/3/2003 11:58:32 AM
Thallium	1.35	0.266		mg/Kg	1	7/3/2003 11:58:32 AM
Vanadium	12.5	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Zinc	59.9	0.355		mg/Kg	1	7/3/2003 11:58:32 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2840	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Antimony	3.67	0.440		mg/Kg	1	7/3/2003 12:00:56 PM
Arsenic	6.63	0.440		mg/Kg	1	7/3/2003 12:00:56 PM
Barium	153	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Beryllium	U	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Cadmium	3.46	0.176		mg/Kg	1	7/3/2003 12:00:56 PM
Calcium	6840	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Chromium	12.1	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Cobalt	8.77	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Copper	186	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Iron	5340	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Lead	969	0.264		mg/Kg	1	7/3/2003 12:00:56 PM
Magnesium	389	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Manganese	150	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Nickel	15.4	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Potassium	765	1.23		mg/Kg	1	7/3/2003 12:00:56 PM
Selenium	U	0.440		mg/Kg	1	7/3/2003 12:00:56 PM
Silver	0.26	0.352	J	mg/Kg	1	7/3/2003 12:00:56 PM
Sodium	234	0.528		mg/Kg	1	7/3/2003 12:00:56 PM
Thallium	0.870	0.264		mg/Kg	1	7/3/2003 12:00:56 PM
Vanadium	16.6	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Zinc	297	0.352		mg/Kg	1	7/3/2003 12:00:56 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.067	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4020	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Antimony	U	0.421		mg/Kg	1	7/3/2003 12:03:46 PM
Arsenic	2.36	0.421		mg/Kg	1	7/3/2003 12:03:46 PM
Barium	40.2	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Beryllium	U	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Cadmium	1.72	0.168		mg/Kg	1	7/3/2003 12:03:46 PM
Calcium	1750	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Chromium	6.56	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Cobalt	7.76	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Copper	19.9	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Iron	4390	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Lead	45.1	0.253		mg/Kg	1	7/3/2003 12:03:46 PM
Magnesium	384	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Manganese	125	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Nickel	10.9	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Potassium	652	1.18		mg/Kg	1	7/3/2003 12:03:46 PM
Selenium	U	0.421		mg/Kg	1	7/3/2003 12:03:46 PM
Silver	U	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Sodium	163	0.505		mg/Kg	1	7/3/2003 12:03:46 PM
Thallium	0.817	0.253		mg/Kg	1	7/3/2003 12:03:46 PM
Vanadium	11.6	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Zinc	269	0.337		mg/Kg	1	7/3/2003 12:03:46 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.092	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	1930	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Antimony	6.12	0.436		mg/Kg	1	7/3/2003 12:06:09 PM
Arsenic	9.54	0.436		mg/Kg	1	7/3/2003 12:06:09 PM
Barium	97.4	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Beryllium	U	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Cadmium	0.476	0.174		mg/Kg	1	7/3/2003 12:06:09 PM
Calcium	6470	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Chromium	9.01	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Cobalt	14.4	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Copper	280	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Iron	6050	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Lead	1350	0.261		mg/Kg	1	7/3/2003 12:06:09 PM
Magnesium	285	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Manganese	198	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Nickel	13.4	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Potassium	651	1.22		mg/Kg	1	7/3/2003 12:06:09 PM
Selenium	U	0.436		mg/Kg	1	7/3/2003 12:06:09 PM
Silver	0.358	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Sodium	226	0.523		mg/Kg	1	7/3/2003 12:06:09 PM
Thallium	0.529	0.261		mg/Kg	1	7/3/2003 12:06:09 PM
Vanadium	11.7	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Zinc	315	0.348		mg/Kg	1	7/3/2003 12:06:09 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4560	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Antimony	U	0.463		mg/Kg	1	7/3/2003 12:08:45 PM
Arsenic	3.41	0.463		mg/Kg	1	7/3/2003 12:08:45 PM
Barium	14.8	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Beryllium	U	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Cadmium	U	0.185		mg/Kg	1	7/3/2003 12:08:45 PM
Calcium	2640	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Chromium	7.00	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Cobalt	8.01	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Copper	11.9	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Iron	5420	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Lead	8.70	0.278		mg/Kg	1	7/3/2003 12:08:45 PM
Magnesium	417	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Manganese	209	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Nickel	7.17	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Potassium	743	1.30		mg/Kg	1	7/3/2003 12:08:45 PM
Selenium	U	0.463		mg/Kg	1	7/3/2003 12:08:45 PM
Silver	U	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Sodium	130	0.556		mg/Kg	1	7/3/2003 12:08:45 PM
Thallium	1.75	0.278		mg/Kg	1	7/3/2003 12:08:45 PM
Vanadium	13.1	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Zinc	30.4	0.370		mg/Kg	1	7/3/2003 12:08:45 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.056	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	6160	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Antimony	U	0.443		mg/Kg	1	7/3/2003 12:11:16 PM
Arsenic	3.90	0.443		mg/Kg	1	7/3/2003 12:11:16 PM
Barium	33.8	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Beryllium	U	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Cadmium	U	0.177		mg/Kg	1	7/3/2003 12:11:16 PM
Calcium	674	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Chromium	10.2	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Cobalt	13.4	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Copper	12.6	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Iron	6270	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Lead	21.7	0.266		mg/Kg	1	7/3/2003 12:11:16 PM
Magnesium	425	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Manganese	181	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Nickel	13.8	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Potassium	975	1.24		mg/Kg	1	7/3/2003 12:11:16 PM
Selenium	U	0.443		mg/Kg	1	7/3/2003 12:11:16 PM
Silver	U	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Sodium	134	0.532		mg/Kg	1	7/3/2003 12:11:16 PM
Thallium	1.67	0.266		mg/Kg	1	7/3/2003 12:11:16 PM
Vanadium	16.2	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Zinc	62.0	0.355		mg/Kg	1	7/3/2003 12:11:16 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.068	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5360	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Antimony	U	0.436		mg/Kg	1	7/3/2003 12:13:57 PM
Arsenic	3.63	0.436		mg/Kg	1	7/3/2003 12:13:57 PM
Barium	23.5	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Beryllium	U	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Cadmium	U	0.174		mg/Kg	1	7/3/2003 12:13:57 PM
Calcium	914	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Chromium	8.81	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Cobalt	9.13	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Copper	9.57	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Iron	5780	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Lead	14.8	0.261		mg/Kg	1	7/3/2003 12:13:57 PM
Magnesium	405	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Manganese	238	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Nickel	9.25	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Potassium	563	1.22		mg/Kg	1	7/3/2003 12:13:57 PM
Selenium	U	0.436		mg/Kg	1	7/3/2003 12:13:57 PM
Silver	U	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Sodium	117	0.523		mg/Kg	1	7/3/2003 12:13:57 PM
Thallium	1.59	0.261		mg/Kg	1	7/3/2003 12:13:57 PM
Vanadium	14.1	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Zinc	31.7	0.348		mg/Kg	1	7/3/2003 12:13:57 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.422	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2810	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Antimony	U	0.470		mg/Kg	1	7/3/2003 12:16:18 PM
Arsenic	3.89	0.470		mg/Kg	1	7/3/2003 12:16:18 PM
Barium	518	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Beryllium	U	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Cadmium	1.66	0.188		mg/Kg	1	7/3/2003 12:16:18 PM
Calcium	23300	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Chromium	20.2	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Cobalt	8.48	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Copper	71.7	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Iron	6050	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Lead	1870	0.282		mg/Kg	1	7/3/2003 12:16:18 PM
Magnesium	377	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Manganese	145	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Nickel	5.71	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Potassium	1100	1.32		mg/Kg	1	7/3/2003 12:16:18 PM
Selenium	U	0.470		mg/Kg	1	7/3/2003 12:16:18 PM
Silver	0.456	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Sodium	250	0.564		mg/Kg	1	7/3/2003 12:16:18 PM
Thallium	1.66	0.282		mg/Kg	1	7/3/2003 12:16:18 PM
Vanadium	10.3	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Zinc	586	0.376		mg/Kg	1	7/3/2003 12:16:18 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	6140	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Antimony	U	0.468		mg/Kg	1	7/3/2003 12:28:52 PM
Arsenic	2.91	0.468		mg/Kg	1	7/3/2003 12:28:52 PM
Barium	28.0	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Beryllium	U	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Cadmium	0.505	0.187		mg/Kg	1	7/3/2003 12:28:52 PM
Calcium	785	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Chromium	10.2	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Cobalt	10.5	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Copper	18.7	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Iron	6080	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Lead	14.1	0.281		mg/Kg	1	7/3/2003 12:28:52 PM
Magnesium	436	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Manganese	100	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Nickel	17.0	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Potassium	792	1.31		mg/Kg	1	7/3/2003 12:28:52 PM
Selenium	U	0.468		mg/Kg	1	7/3/2003 12:28:52 PM
Silver	U	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Sodium	146	0.562		mg/Kg	1	7/3/2003 12:28:52 PM
Thallium	1.29	0.281		mg/Kg	1	7/3/2003 12:28:52 PM
Vanadium	14.0	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Zinc	99.1	0.375		mg/Kg	1	7/3/2003 12:28:52 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3950	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Antimony	U	0.475		mg/Kg	1	7/3/2003 12:31:45 PM
Arsenic	2.94	0.475		mg/Kg	1	7/3/2003 12:31:45 PM
Barium	17.2	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Beryllium	U	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Cadmium	U	0.190		mg/Kg	1	7/3/2003 12:31:45 PM
Calcium	588	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Chromium	6.77	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Cobalt	7.84	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Copper	13.8	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Iron	5750	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Lead	8.13	0.285		mg/Kg	1	7/3/2003 12:31:45 PM
Magnesium	417	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Manganese	183	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Nickel	9.51	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Potassium	484	1.33		mg/Kg	1	7/3/2003 12:31:45 PM
Selenium	U	0.475		mg/Kg	1	7/3/2003 12:31:45 PM
Silver	U	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Sodium	139	0.570		mg/Kg	1	7/3/2003 12:31:45 PM
Thallium	0.924	0.285		mg/Kg	1	7/3/2003 12:31:45 PM
Vanadium	10.4	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Zinc	29.9	0.380		mg/Kg	1	7/3/2003 12:31:45 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	6730	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Antimony	U	0.479		mg/Kg	1	7/3/2003 12:34:35 PM
Arsenic	10.5	0.479		mg/Kg	1	7/3/2003 12:34:35 PM
Barium	218	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Beryllium	4.02	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Cadmium	U	0.192		mg/Kg	1	7/3/2003 12:34:35 PM
Calcium	13200	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Chromium	68.3	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Cobalt	54.7	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Copper	598	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Iron	7940	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Lead	397	0.287		mg/Kg	1	7/3/2003 12:34:35 PM
Magnesium	416	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Manganese	246	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Nickel	72.6	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Potassium	1400	1.34		mg/Kg	1	7/3/2003 12:34:35 PM
Selenium	U	0.479		mg/Kg	1	7/3/2003 12:34:35 PM
Silver	U	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Sodium	546	0.575		mg/Kg	1	7/3/2003 12:34:35 PM
Thallium	U	0.287		mg/Kg	1	7/3/2003 12:34:35 PM
Vanadium	21.3	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Zinc	1230	0.383		mg/Kg	1	7/3/2003 12:34:35 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2670	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Antimony	U	0.451		mg/Kg	1	7/3/2003 12:37:29 PM
Arsenic	6.54	0.451		mg/Kg	1	7/3/2003 12:37:29 PM
Barium	111	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Beryllium	U	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Cadmium	0.198	0.181		mg/Kg	1	7/3/2003 12:37:29 PM
Calcium	23400	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Chromium	6.32	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Cobalt	6.70	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Copper	39.1	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Iron	5330	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Lead	178	0.271		mg/Kg	1	7/3/2003 12:37:29 PM
Magnesium	408	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Manganese	139	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Nickel	6.64	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Potassium	943	1.26		mg/Kg	1	7/3/2003 12:37:29 PM
Selenium	U	0.451		mg/Kg	1	7/3/2003 12:37:29 PM
Silver	U	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Sodium	347	0.542		mg/Kg	1	7/3/2003 12:37:29 PM
Thallium	1.77	0.271		mg/Kg	1	7/3/2003 12:37:29 PM
Vanadium	10.3	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Zinc	121	0.361		mg/Kg	1	7/3/2003 12:37:29 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.846	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2620	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Antimony	U	0.460		mg/Kg	1	7/3/2003 12:40:26 PM
Arsenic	8.55	0.460		mg/Kg	1	7/3/2003 12:40:26 PM
Barium	46.2	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Beryllium	U	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Cadmium	0.12	0.184	J	mg/Kg	1	7/3/2003 12:40:26 PM
Calcium	2340	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Chromium	6.86	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Cobalt	10.7	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Copper	28.6	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Iron	6290	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Lead	178	0.276		mg/Kg	1	7/3/2003 12:40:26 PM
Magnesium	415	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Manganese	147	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Nickel	14.4	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Potassium	534	1.29		mg/Kg	1	7/3/2003 12:40:26 PM
Selenium	U	0.460		mg/Kg	1	7/3/2003 12:40:26 PM
Silver	U	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Sodium	202	0.551		mg/Kg	1	7/3/2003 12:40:26 PM
Thallium	1.17	0.276		mg/Kg	1	7/3/2003 12:40:26 PM
Vanadium	10.7	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Zinc	71.6	0.368		mg/Kg	1	7/3/2003 12:40:26 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Appendix

American Analytical Laboratories, Inc.

Date: *30-Jul-03*

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25252**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709E**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25527**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709E**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25527**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.74	5.0	16.65	0	107	69	130	0	0		
Aldrin	6.054	5.0	6.66	0	90.9	66	128	0	0		
Dieldrin	16.9	5.0	16.65	0	102	67	126	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin	18.47	5.0	16.65	0	111	72	124	0	0		
gamma-BHC	6.487	5.0	6.66	0	97.4	68	122	0	0		
Heptachlor	7.817	5.0	6.66	0	117	64	130	0	0		

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/10/2003** SeqNo: **25671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	21.42	5.0	16.65	0	129	69	130	0	0		
Aldrin	6.377	5.0	6.66	0	95.8	66	128	0	0		
Dieldrin	21.88	5.0	16.65	0	131	67	126	0	0		S
Endrin	26.44	5.0	16.65	0	159	72	124	0	0		S
gamma-BHC	6.707	5.0	6.66	0	101	68	122	0	0		
Heptachlor	6.757	5.0	6.66	0	101	64	130	0	0		

Sample ID: **0306117-03BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B10 (9'-10')** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25658**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.03	5.0	16.65	0	90.3	69	130	0	0		
Aldrin	6.163	5.0	6.66	0	92.5	66	128	0	0		
Dieldrin	14.33	5.0	16.65	0	86	67	126	0	0		
Endrin	15.28	5.0	16.65	0	91.8	72	124	0	0		
gamma-BHC	5.214	5.0	6.66	0	78.3	68	122	0	0		
Heptachlor	6.094	5.0	6.66	0	91.5	64	130	0	0		

Sample ID: **0306117-16BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B14 (6'-8')** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	14.93	5.0	16.65	0	89.7	69	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **0306117-16BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B14 (6'-8')** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	5.565	5.0	6.66	0	83.6	66	128	0	0		
Dieldrin	14.93	5.0	16.65	0	89.7	67	126	0	0		
Endrin	17.82	5.0	16.65	0	107	72	124	0	0		
gamma-BHC	5.166	5.0	6.66	0	77.6	68	122	0	0		
Heptachlor	6.34	5.0	6.66	0	95.2	64	130	0	0		

Sample ID: **0306117-03BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B10 (9'-10')** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25659**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.21	5.0	16.65	0	103	69	130	15.03	13.5	20	
Aldrin	6.247	5.0	6.66	0	93.8	66	128	6.163	1.35	20	
Dieldrin	15.47	5.0	16.65	0	92.9	67	126	14.33	7.67	20	
Endrin	18.49	5.0	16.65	0	111	72	124	15.28	19.0	20	
gamma-BHC	5.696	5.0	6.66	0	85.5	68	122	5.214	8.84	20	
Heptachlor	6.866	5.0	6.66	0	103	64	130	6.094	11.9	20	

Sample ID: **0306117-16BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B14 (6'-8')** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	19.66	5.0	16.65	0	118	69	130	14.93	27.3	20	R
Aldrin	6.82	5.0	6.66	0	102	66	128	5.565	20.3	20	R
Dieldrin	19.76	5.0	16.65	0	119	67	126	14.93	27.9	20	R
Endrin	23.73	5.0	16.65	0	143	72	124	17.82	28.4	20	SR
gamma-BHC	6.284	5.0	6.66	0	94.4	68	122	5.166	19.5	20	
Heptachlor	7.451	5.0	6.66	0	112	64	130	6.34	16.1	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707A**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25422**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709F**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	147.2	80	166.5	0	88.4	59	122	0	0		
Aroclor 1260	162.1	80	166.5	0	97.4	57	121	0	0		

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	131.4	80	166.5	0	78.9	59	122	0	0		
Aroclor 1260	141.4	80	166.5	0	84.9	57	121	0	0		

Sample ID: **0306117-01BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **MW10 (5'-7')** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	189.1	80	166.5	0	114	59	122	0	0		
Aroclor 1260	193.5	80	166.5	0	116	57	121	0	0		

Sample ID: **0306117-17BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **B15 (8.0'-9.0')** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	228.2	80	166.5	0	137	59	122	0	0		S
Aroclor 1260	254.3	80	166.5	0	153	57	121	0	0		S

Sample ID: **0306117-01BMSD** SampType: **MSD** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **MW10 (5'-7')** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	291.3	80	166.5	0	175	59	122	189.1	42.6	20	SR
Aroclor 1260	315.2	80	166.5	0	189	57	121	193.5	47.9	20	SR

Sample ID: **0306117-17BMSD** SampType: **MSD** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **B15 (8.0'-9.0')** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	367.2	80	166.5	0	221	59	122	228.2	46.7	20	SR
Aroclor 1260	401.1	80	166.5	0	241	57	121	254.3	44.8	20	SR

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030701B
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25216

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D (SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030702A
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25537

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030702A
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25537

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D (SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **LCS070203** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	541.2	40	666	0	81.3	53	123	0	0		
1,4-Dichlorobenzene	513.2	40	666	0	77.1	41.5	114	0	0		
2,4-Dinitrotoluene	420.5	40	666	0	63.1	48	85.2	0	0		
2-Chlorophenol	534.2	40	666	0	80.2	52	113	0	0		
4-Chloro-3-methylphenol	538.8	40	666	0	80.9	50.3	111	0	0		
4-Nitrophenol	462.2	40	666	0	69.4	41.6	108	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **LCS070203** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	497	40	666	0	74.6	43.6	113	0	0		
N-Nitrosodi-n-propylamine	521.8	40	666	0	78.4	42	120	0	0		
Pentachlorophenol	445.3	40	666	0	66.9	38.6	109	0	0		
Phenol	511.9	40	666	0	76.9	44.8	113	0	0		
Pyrene	629.8	40	666	0	94.6	46.2	104	0	0		

Sample ID: **LCS070803** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	452.7	40	666	0	68	53	123	0	0		
1,4-Dichlorobenzene	445.3	40	666	0	66.9	41.5	114	0	0		
2,4-Dinitrotoluene	328.4	40	666	0	49.3	48	85.2	0	0		
2-Chlorophenol	449.8	40	666	0	67.5	52	113	0	0		
4-Chloro-3-methylphenol	440.4	40	666	0	66.1	50.3	111	0	0		
4-Nitrophenol	379.2	40	666	0	56.9	41.6	108	0	0		
Acenaphthene	455.6	40	666	0	68.4	43.6	113	0	0		
N-Nitrosodi-n-propylamine	443.4	40	666	0	66.6	42	120	0	0		
Pentachlorophenol	404.1	40	666	0	60.7	38.6	109	0	0		
Phenol	462.4	40	666	0	69.4	44.8	113	0	0		
Pyrene	510.9	40	666	0	76.7	46.2	104	0	0		

Sample ID: **0306117-03B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B10 (9'-10')** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	422.8	40	666	0	63.5	53	123	0	0		
1,4-Dichlorobenzene	390.4	40	666	0	58.6	41.5	114	0	0		
2,4-Dinitrotoluene	448.2	40	666	0	67.3	48	85.2	0	0		
2-Chlorophenol	424.9	40	666	0	63.8	52	113	0	0		
4-Chloro-3-methylphenol	573.7	40	666	0	86.1	50.3	111	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-03B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B10 (9'-10')** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	500.5	40	666	0	75.1	41.6	108	0	0		
Acenaphthene	493.8	40	666	0	74.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	413.7	40	666	0	62.1	42	120	0	0		
Pentachlorophenol	537.7	40	666	0	80.7	38.6	109	0	0		
Phenol	426.9	40	666	0	64.1	44.8	113	0	0		
Pyrene	665.6	40	666	0	99.9	46.2	104	0	0		

Sample ID: **0306117-17B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B15 (8.0'-9.0')** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	473.8	40	666	0	71.1	53	123	0	0		
1,4-Dichlorobenzene	414.4	40	666	0	62.2	41.5	114	0	0		
2,4-Dinitrotoluene	387.7	40	666	0	58.2	48	85.2	0	0		
2-Chlorophenol	423.4	40	666	0	63.6	52	113	0	0		
4-Chloro-3-methylphenol	478.8	40	666	0	71.9	50.3	111	0	0		
4-Nitrophenol	411.7	40	666	0	61.8	41.6	108	0	0		
Acenaphthene	441.2	40	666	0	66.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	421.5	40	666	0	63.3	42	120	0	0		
Pentachlorophenol	461.6	40	666	0	69.3	38.6	109	0	0		
Phenol	454.2	40	666	0	68.2	44.8	113	0	0		
Pyrene	688.5	40	666	0	103	46.2	104	0	0		

Sample ID: **0306117-03B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B10 (9'-10')** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	478.3	40	666	0	71.8	53	123	0	0		
1,4-Dichlorobenzene	462	40	666	0	69.4	41.5	114	0	0		
2,4-Dinitrotoluene	406.6	40	666	0	61.1	48	85.2	0	0		
2-Chlorophenol	462.4	40	666	0	69.4	52	113	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-03B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B10 (9'-10')** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	526.8	40	666	0	79.1	50.3	111	0	0		
4-Nitrophenol	462.1	40	666	0	69.4	41.6	108	0	0		
Acenaphthene	476.8	40	666	0	71.6	43.6	113	0	0		
N-Nitrosodi-n-propylamine	448.1	40	666	0	67.3	42	120	0	0		
Pentachlorophenol	507	40	666	0	76.1	38.6	109	0	0		
Phenol	473.6	40	666	0	71.1	44.8	113	0	0		
Pyrene	610.7	40	666	0	91.7	46.2	104	0	0		

Sample ID: **0306117-17B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B15 (8.0'-9.0')** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	411.1	40	666	0	61.7	53	123	0	0		
1,4-Dichlorobenzene	409.2	40	666	0	61.4	41.5	114	0	0		
2,4-Dinitrotoluene	406.4	40	666	0	61	48	85.2	0	0		
2-Chlorophenol	493.4	40	666	0	74.1	52	113	0	0		
4-Chloro-3-methylphenol	499.3	40	666	0	75	50.3	111	0	0		
4-Nitrophenol	417	40	666	0	62.6	41.6	108	0	0		
Acenaphthene	461.5	40	666	0	69.3	43.6	113	0	0		
N-Nitrosodi-n-propylamine	485.3	40	666	0	72.9	42	120	0	0		
Pentachlorophenol	458.7	40	666	0	68.9	38.6	109	0	0		
Phenol	443.8	40	666	0	66.6	44.8	113	0	0		
Pyrene	698.9	40	666	0	105	46.2	104	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **LSC070203** SampType: **LCS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24769**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	53.97	5.0	50	0	108	67.3	124	0	0		
Benzene	54.72	5.0	50	0	109	65.1	126	0	0		
Chlorobenzene	55.92	5.0	50	0	112	63.7	127	0	0		
Toluene	53.57	5.0	50	0	107	68.7	124	0	0		
Trichloroethene	56.66	5.0	50	0	113	63.4	123	0	0		

Sample ID: **0306117-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **MW10 (5'-7')** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24772**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23.6	5.0	50	0	47.2	67.3	124	0	0		S
Benzene	24.56	5.0	50	0	49.1	65.1	126	0	0		S
Chlorobenzene	16.89	5.0	50	0	33.8	63.7	127	0	0		S
Toluene	20.65	5.0	50	0	41.3	68.7	124	0	0		S
Trichloroethene	19.44	5.0	50	0	38.9	63.4	123	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **0306117-01AMSD** SampType: **MSD** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **MW10 (5'-7')** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	24.18	5.0	50	0	48.4	67.3	124	23.6	2.43	20	S
Benzene	26.11	5.0	50	0	52.2	65.1	126	24.56	6.12	20	S
Chlorobenzene	16.01	5.0	50	0	32	63.7	127	16.89	5.35	20	S
Toluene	21.5	5.0	50	0	43	68.7	124	20.65	4.03	20	S
Trichloroethene	19.58	5.0	50	0	39.2	63.4	123	19.44	0.718	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **MB070203B** SampType: **MBLK** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0250									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0200									
Chromium	U	0.0200									
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.0700									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Sample ID: **LCS2** SampType: **LCS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.994	0.0200	2	0	99.7	75	125	0	0		
Antimony	1.989	0.0250	2	0	99.5	67	111	0	0		
Arsenic	2.134	0.0250	2	0	107	67.6	123	0	0		
Barium	1.992	0.0200	2	0	99.6	65.1	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **LCS2** SampType: **LCS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	2.011	0.0200	2	0	101	60.8	118	0	0		
Cadmium	1.97	0.0100	2	0	98.5	62.9	114	0	0		
Calcium	2.03	0.0200	2	0	101	75	125	0	0		
Chromium	2.01	0.0200	2	0	101	64.8	120	0	0		
Cobalt	1.998	0.0200	2	0	99.9	75	125	0	0		
Copper	1.983	0.0200	2	0	99.1	61.4	118	0	0		
Iron	1.938	0.0200	2	0	96.9	75	125	0	0		
Lead	1.929	0.0150	2	0	96.4	60.6	119	0	0		
Magnesium	2.011	0.0200	2	0	101	75	125	0	0		
Manganese	2.02	0.0200	2	0	101	61	111	0	0		
Nickel	2.024	0.0200	2	0	101	66.5	126	0	0		
Potassium	20.17	0.0700	20	0	101	75	125	0	0		
Selenium	2.033	0.0250	2	0	102	60.5	115	0	0		
Silver	2.014	0.0200	2	0	101	72.4	106	0	0		
Sodium	2	0.0300	2	0	100	75	125	0	0		
Thallium	2.034	0.0150	2	0	102	62	116	0	0		
Vanadium	2.009	0.0200	2	0	100	75	125	0	0		
Zinc	2.004	0.0200	2	0	100	61	112	0	0		

Sample ID: **0306117-20B MS** SampType: **MS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW15 (6'-8')** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24879**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2596	0.368	18.38	2621	-138	75	125	0	0		S
Antimony	13.54	0.460	18.38	0	73.7	67	111	0	0		
Arsenic	26.74	0.460	18.38	8.553	98.9	67.6	123	0	0		
Barium	61.7	0.368	18.38	46.16	84.5	65.1	120	0	0		
Beryllium	14.1	0.368	18.38	0	76.7	60.8	118	0	0		
Cadmium	16.08	0.184	18.38	0.1171	86.8	62.9	114	0	0		
Calcium	2284	0.368	18.38	2340	-302	75	125	0	0		S
Chromium	22.8	0.368	18.38	6.863	86.7	64.8	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **0306117-20B MS** SampType: **MS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW15 (6'-8')** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24879**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	25.95	0.368	18.38	10.74	82.8	75	125	0	0		
Copper	45.35	0.368	18.38	28.57	91.3	61.4	118	0	0		
Iron	6214	0.368	18.38	6294	-436	75	125	0	0		S
Lead	188.8	0.276	18.38	177.6	60.9	60.6	119	0	0		
Magnesium	415.3	0.368	18.38	414.6	3.96	75	125	0	0		S
Manganese	157.7	0.368	18.38	146.7	59.9	61	111	0	0		S
Nickel	29.45	0.368	18.38	14.37	82.1	66.5	126	0	0		
Potassium	716	1.29	183.8	534.2	98.9	75	125	0	0		
Selenium	14.44	0.460	18.38	0	78.6	60.5	115	0	0		
Silver	17.33	0.368	18.38	0	94.3	72.4	106	0	0		
Sodium	217.3	0.551	18.38	201.7	84.8	75	125	0	0		
Thallium	15.56	0.276	18.38	1.172	78.3	62	116	0	0		
Vanadium	27.27	0.368	18.38	10.7	90.1	75	125	0	0		
Zinc	85.38	0.368	18.38	71.57	75.1	61	112	0	0		

Sample ID: **0306117-20B MSD** SampType: **MSD** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW15 (6'-8')** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2599	0.368	18.38	2621	-122	75	125	2596	0.114	0	S
Antimony	13.78	0.460	18.38	0	75	67	111	13.54	1.76	20	
Arsenic	26.48	0.460	18.38	8.553	97.5	67.6	123	26.74	0.976	20	
Barium	61.89	0.368	18.38	46.16	85.6	65.1	120	61.7	0.319	20	
Beryllium	13.93	0.368	18.38	0	75.8	60.8	118	14.1	1.22	20	
Cadmium	16.2	0.184	18.38	0.1171	87.5	62.9	114	16.08	0.760	20	
Calcium	2290	0.368	18.38	2340	-271	75	125	2284	0.245	0	S
Chromium	23.07	0.368	18.38	6.863	88.1	64.8	120	22.8	1.14	20	
Cobalt	25.17	0.368	18.38	10.74	78.5	75	125	25.95	3.05	20	
Copper	45.41	0.368	18.38	28.57	91.6	61.4	118	45.35	0.135	20	
Iron	6161	0.368	18.38	6294	-724	75	125	6214	0.857	0	S
Lead	188.4	0.276	18.38	177.6	58.8	60.6	119	188.8	0.202	20	S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **0306117-20B MSD** SampType: **MSD** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW15 (6'-8')** Batch ID: **1434** TestNo: **SW6010B (SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	414.1	0.368	18.38	414.6	-2.82	75	125	415.3	0.301	0	S
Manganese	157.8	0.368	18.38	146.7	60.4	61	111	157.7	0.0561	20	S
Nickel	29.61	0.368	18.38	14.37	82.9	66.5	126	29.45	0.534	20	
Potassium	715.7	1.29	183.8	534.2	98.7	75	125	716	0.0319	0	
Selenium	14.94	0.460	18.38	0	81.3	60.5	115	14.44	3.35	20	
Silver	17.44	0.368	18.38	0	94.9	72.4	106	17.33	0.599	20	
Sodium	217.4	0.551	18.38	201.7	85.6	75	125	217.3	0.0695	0	
Thallium	15.55	0.276	18.38	1.172	78.2	62	116	15.56	0.0471	20	
Vanadium	27.22	0.368	18.38	10.7	89.9	75	125	27.27	0.169	20	
Zinc	85.36	0.368	18.38	71.57	75	61	112	85.38	0.0186	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8081B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306117-01B	68.0	50.9 *						
0306117-02B	57.8 *	70.1						
0306117-03B	105	102						
0306117-03BMS	98.4	75.7						
0306117-03BMSD	102	82.7						
0306117-04B	76.0	73.5						
0306117-05B	96.7	85.4						
0306117-07B	77.9	69.2						
0306117-08B	66.9	69.9						
0306117-09B	84.1	89.3						
0306117-10B	81.8	78.1						
0306117-11B	72.0	74.9						
0306117-12B	99.0	74.3						
0306117-13B	81.5	70.3						
0306117-14B	104	89.5						
0306117-15B	63.4	65.3						
0306117-16B	46.9 *	94.4						
0306117-16BMS	102	71.4						
0306117-16BMSD	126	85.4						
0306117-17B	82.1	65.6						
0306117-18B	55.6 *	65.7						
0306117-19B	87.6	99.3						
0306117-20B	88.7	81.1						
MSB070203	112	99.2						
MSB070303	141	114						
PSB070203	95.6	81.0						
PSB070303	116	106						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	61.4-149
XYL2456CLM	=	TCX	63.9-130

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8082A **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306117-01B	48.8	60.3						
0306117-01BMS	84.6	84.7						
0306117-01BMSD	93.0	71.7						
0306117-02B	70.9	65.3						
0306117-03B	56.6	78.5						
0306117-04B	43.8	69.6						
0306117-05B	133	121						
0306117-07B	125	112						
0306117-08B	116	97.4						
0306117-09B	68.6	57.4						
0306117-10B	87.6	76.4						
0306117-11B	83.3	71.0						
0306117-12B	52.5	65.2						
0306117-13B	54.0	61.4						
0306117-14B	75.6	73.3						
0306117-15B	25.3 *	57.2						
0306117-16B	65.5	89.1						
0306117-17B	101	87.4						
0306117-17BMS	123	109						
0306117-17BMSD	112	97.8						
0306117-18B	68.4	60.6						
0306117-19B	76.8	70.1						
0306117-20B	62.3	61.9						
MSB070203	67.4	78.7						
MSB070303	77.7	68.6						
PSB070203	69.6	60.2						
PSB070303	65.5	55.2						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	34.2-138
XYL2456CLM	=	TCX	31.2-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0306117-01A	118	86.3	89.1					
0306117-01AMS	120	86.9	88.5					
0306117-01AMSD	119	87.7	89.8					
0306117-02A	90.8	95.1	110					
0306117-03A	97.9	100	104					
0306117-04A	93.0	96.0	110					
0306117-05A	97.3	95.3	112					
0306117-06A	95.6	96.4	96.2					
0306117-07A	108	85.7	21.6 *					
0306117-08A	102	98.8	95.2					
0306117-09A	101	94.0	95.3					
0306117-10A	97.0	98.2	94.2					
0306117-11A	97.0	97.9	98.2					
0306117-12A	98.5	98.8	99.5					
0306117-13A	99.2	97.9	98.6					
0306117-14A	96.7	97.0	99.5					
0306117-15A	98.3	96.1	97.0					
0306117-16A	97.3	97.0	95.8					
0306117-17A	97.5	99.5	98.3					
0306117-18A	94.3	98.5	96.6					
0306117-19A	98.5	97.6	97.1					
0306117-20A	96.0	101	98.7					
LSC070203	99.9	97.9	104					
VBLK070103	100	97.3	107					
VBLK070103B	95.9	98.0	94.7					
VBLK070203	98.5	99.7	102					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	65.8-125
BZMED8	=	Toluene-d8	70.3-125
DBFM	=	Dibromofluoromethane	83.7-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0306117-01B	77.1	101	73.2	90.1	99.1	74.8		
0306117-02B	94.0	104	76.5	98.0	100	71.0		
0306117-03B	72.5	81.2	77.2	78.4	101	69.6		
0306117-03B	75.4	83.4	77.0	79.6	91.6	79.2		
0306117-03B	79.9	86.1	92.2	76.7	97.4	78.2		
0306117-03B MS	72.5	81.2	77.2	78.4	101	69.6		
0306117-03B MSD	75.4	83.4	77.0	79.6	91.6	79.2		
0306117-04B	80.0	115	78.0	91.3	95.0	75.4		
0306117-05B	67.2	69.5	64.6	73.8	83.0	54.6		
0306117-07B	73.5	84.7	70.0	90.4	94.1	70.4		
0306117-08B	66.8	118	69.1	84.6	96.8	71.0		
0306117-09B	105	89.2	74.4	86.4	86.4	66.4		
0306117-10B	80.8	104	82.2	89.4	98.9	75.7		
0306117-11B	62.2	107	52.4	81.8	89.0	61.5		
0306117-12B	82.7	89.2	89.8	84.2	97.7	72.6		
0306117-13B	83.3	85.8	78.0	82.5	95.3	62.3		
0306117-14B	73.8	100	70.8	83.0	102	75.2		
0306117-15B	89.7	103	85.6	93.6	105	85.4		
0306117-16B	48.0	79.0	65.5	67.7	101	52.8		
0306117-17B	82.4	77.6	74.4	75.5	101	77.1		
0306117-17B	69.6	90.0	78.0	75.7	98.4	69.8		
0306117-17B	86.7	87.2	84.5	85.2	100	61.4		
0306117-17B MS	82.4	77.6	74.4	75.5	101	77.1		
0306117-17B MSD	69.6	90.0	78.0	75.7	98.4	69.8		
0306117-18B	85.6	92.9	71.6	84.9	95.6	76.0		
0306117-19B	91.6	95.7	71.2	89.8	105	75.2		
0306117-20B	75.0	95.3	79.2	84.6	97.0	73.1		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
LCS070203	88.1	82.7	99.2	86.6	109	89.2		
LCS070803	80.3	79.4	74.2	76.6	81.5	77.2		
SSB070203	92.4	80.6	91.8	93.6	98.3	93.9		
SSB070803 A	75.1	89.0	69.5	78.1	107	52.6		
SSB070803B	86.2	74.2	80.0	85.5	101	54.4		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

ASP CATEGORY A
WORKORDER 0306118
AKRF, INC.
GREENPOINT LUMBER YARD
BROOKLYN, N.Y.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

ASP CATEGORY A

COVER PAGE

July 28, 2003

Mimi Sotiriou
AKRF, Inc
116 East 27th Street
7th Floor
New York, NY 10016

TEL: (646) 459-3528
FAX (212) 726-0942

RE: Greenpoint Lumber Yard Brooklyn, NY

Order No.: 0306118

Dear Mimi Sotiriou:

American Analytical Laboratories, Inc. received 8 samples on 6/27/2003 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0306118

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306118-01A	MW16 (0.5-2')		6/26/2003	6/27/2003
0306118-01B	MW16 (0.5-2')		6/26/2003	6/27/2003
0306118-02A	MW16 (8.5-9.5)		6/26/2003	6/27/2003
0306118-02B	MW16 (8.5-9.5)		6/26/2003	6/27/2003
0306118-03A	Trip Blank #1		6/26/2003	6/27/2003
0306118-04A	Field Blank #1		6/26/2003	6/27/2003
0306118-04B	Field Blank #1		6/26/2003	6/27/2003
0306118-05A	Field Blank #2		6/26/2003	6/27/2003
0306118-05B	Field Blank #2		6/26/2003	6/27/2003
0306118-06A	Field Blank #3		6/26/2003	6/27/2003
0306118-06B	Field Blank #3		6/26/2003	6/27/2003
0306118-07A	Trip Blank #2		6/26/2003	6/27/2003
0306118-08A	Trip Blank #3		6/26/2003	6/27/2003

SDG NARRATIVE

SDG Narrative

AAL Work Order: : 0306118
Sample Matrix : Soil
Project : Greenpoint

INTRODUCTION
This narrative covers the analysis of two (2) soils and the associated quality control samples (Field Blanks and Trip Blanks) in accordance with protocols based on SW846 Methods 8260, 8270, 8081, 8082, 6010 and 7470.

HOLDING TIMES
The analytical holding time for these analyses was met.

CALIBRATIONS
Initial Calibration: All required minimum RRFs and maximum %RSD requirements have been met in accordance with the method.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the method.

TUNE PERFORMANCE
All Tune (BFB) specifications met QC requirements.

METHOD BLANKS
The method blanks associated with these samples did not contain any target compounds at or above QC.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE/DUPLICATES
MS/MSD/Dup analysis was performed as required. Results are submitted as an appendix to this report. Spike recoveries and RPD fell within established ranges except where noted on the summary sheets. No laboratory action is required for MS/MSD outliers.

INTERNAL STANDARDS
All area responses and retention times fell within acceptable ranges.

SURROGATES (SYSTEM MONITORING COMPOUNDS)
Surrogate recoveries are summarized in the appendix to this report.

SAMPLE COMMENTS
Samples were analyzed as per the required protocols.

Semivolatile Analysis:
Semivolatile analysis of sample MW16 (8.5-9.5) was analyzed at a 1:2 dilution.

All samples were analyzed undiluted for VOCs, Pesticides, PCBs and Metals.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his designee, as verified by the following signature." This statement shall be directly followed by signature of the Laboratory Manager or his designee with a typed line below it containing the signer's name and title, and the date of the signature.

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET
FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFERS

For reporting results, the following "Results Qualifers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		*VOA GC/MS METHOD #	*BNA GC/MS METHOD #	*VOA GC METHOD #	*PEST PCBs METHOD #	*METALS	*OTHER
MW16(0.5-2')	0306118-01	8260	8270	NA	8081/8082	6010/7470	NA
MW16(8.5-9.5)	0306118-02	↓	↓	↓	↓	↓	↓
Trip Blank #1	0306118-03	↓	—	—	—	—	↓
Field Blank #1	0306118-04	↓	8270	NA	8081/8082	6010/7470	↓
Field Blank #2	0306118-05	↓	↓	↓	↓	↓	↓
Field Blank #3	0306118-06	↓	↓	↓	↓	↓	↓
Trip Blank #2	0306118-07	↓	—	—	—	—	↓
Trip Blank #3	0306118-08	↓	—	—	—	—	↓

NA = not applicable

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306118-01	SOIL	06/26/03	06/27/03	6/30/03	7/9/03
0306118-02	SOIL	↓	↓	↓	↓
0306118-03	AQUEOUS	↓	↓	↓	—
0306118-04	↓	↓	↓	↓	6/30/03
0306118-05	↓	↓	↓	↓	6/30/03
0306118-06	↓	↓	↓	↓	6/30/03
0306118-07	↓	↓	↓	↓	—
0306118-08	↓	↓	↓	↓	—

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306118-01	SOIL	06/26/03	06/27/03	NA	07/02/03
0306118-02	↓	↓	↓	↓	↓
0306118-03	AQUEOUS	↓	↓	↓	↓
0306118-04	↓	↓	↓	↓	↓
0306118-05	↓	↓	↓	↓	↓
0306118-06	↓	↓	↓	↓	↓
0306118-07	↓	↓	↓	↓	↓
0306118-08	↓	↓	↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE / PCB
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306118-01	SOIL	6/26/03	6/27/03	6/30/03	7/10/03
0306118-02	↓	↓	↓	↓	↓
0306118-03	AQUEOUS	↓	↓	↓	7/1/03
0306118-04	↓	↓	↓	↓	↓
0306118-05	↓	↓	↓	↓	↓
0306118-06	↓	↓	↓	↓	↓
0306118-07	↓	↓	↓	↓	↓
0306118-08	↓	↓	↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILLARY CLEAN UP	DIL / CONC. FACTOR
0306118-01	SOIL	SW846 8270	SONC (3550)	NA	1
0306118-02	↓	↓	↓	↓	2
0306118-03	AQUEOUS	—	—	—	—
0306118-04	↓	SW846 8270	SEPF (3510)	NA	1
0306118-05	↓	↓	↓	↓	1
0306118-06	↓	↓	↓	↓	1
0306118-07	↓	—	—	—	1
0306118-08	↓	—	—	—	—

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE ANALYZED
0306118-01	SOIL	TAL (23)	6/27/03	07/07/03
0306118-02	↓	↓	↓	
0306118-03	AQUEOUS			
0306118-04	↓	↓	↓	
0306118-05				
0306118-06				
0306118-07				
0306118-08	↓	↓	↓	

CHAIN OF CUSTODY FORMS

Sheet 5 of 5

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

SDC	ELA
CTDOH	PH-0205
NJDEP	NY050
PADEP	68-573

1

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ARRF, Inc. (917)612-7877

CONTACT: Mimi Sotiriou (646)459-3528

SAMPLER (SIGNATURE): MMSotiriou DATE: 6/26/03 TIME: 1600

SAMPLER NAME (PRINT): Mimi Sotiriou

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION: Greenpoint Lumber Yard, Brooklyn. 30260-0006

FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	VOC 8260	SVOC 8270	PCB 8081	Pest 8082	TAL Metals
0306118-01AB	S			MW16 (0.5'-2')	X	X	X	X	X
0306118-02A,B	S			MW16 (8.5-9.5)	X	X	X	X	X
0306118-03A	L			Trip Blank #1	X				
0306118-04A,B	L			Field Blank #1	X	X	X	X	X
0306118-05A,B	L			Field Blank #2	X	X	X	X	X
0306118-06AB	L			Field Blank #3	X	X	X	X	X
0306118-07A	L			Trip Blank #2	X				
0306118-08A	L			Trip Blank #3	X				

COOLER TEMPERATURE:

COMMENTS / INSTRUCTIONS

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL

TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
MMSotiriou	6/27/03 12:00	M. Sotiriou	Chris Dann	6-27-03 2:Pm	Christopher Dann
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

GC/MS VOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 4:25:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 4:25:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 4:25:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Acetone	55	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 8:52:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 8:52:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 8:52:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2-Butanone	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Acetone	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Acrolein	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Benzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromoform	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromomethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 11:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chloroform	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chloromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Ethanol	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Freon-114	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 11:25:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Naphthalene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
o-Xylene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Styrene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Toluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 11:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 12:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 12:03:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 12:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 12:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 12:41:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 12:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 1:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 1:20:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 1:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 1:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 1:58:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 1:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 2:37:00 PM

Qualifiers:

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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 2:37:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 2:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
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R - RPD outside accepted recovery limits
E - Value above quantitation range

GC/MS SEMIVOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Acenaphthene	93	40		µg/Kg	1	7/9/2003 12:24:00 PM
Acenaphthylene	55	40		µg/Kg	1	7/9/2003 12:24:00 PM
Aniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Anthracene	260	40		µg/Kg	1	7/9/2003 12:24:00 PM
Azobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzidine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(a)anthracene	1300	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(a)pyrene	1600	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(b)fluoranthene	2200	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(g,h,i)perylene	1400	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(k)fluoranthene	640	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzoic acid	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Bis(2-ethylhexyl)phthalate	110	40		µg/Kg	1	7/9/2003 12:24:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Carbazole	91	40		µg/Kg	1	7/9/2003 12:24:00 PM
Chrysene	1500	40		µg/Kg	1	7/9/2003 12:24:00 PM
Dibenzo(a,h)anthracene	330	40		µg/Kg	1	7/9/2003 12:24:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Fluoranthene	2000	40		µg/Kg	1	7/9/2003 12:24:00 PM
Fluorene	70	40		µg/Kg	1	7/9/2003 12:24:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Indeno(1,2,3-c,d)pyrene	1300	40		µg/Kg	1	7/9/2003 12:24:00 PM
Isophorone	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Naphthalene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Phenanthrene	1200	40		µg/Kg	1	7/9/2003 12:24:00 PM
Phenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Pyrene	2100	40		µg/Kg	1	7/9/2003 12:24:00 PM
Pyridine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Chloronaphthalene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Chlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Methylnaphthalene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Methylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Nitroaniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Nitrophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
3+4-Methylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
3-Nitroaniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Chloroaniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Nitroaniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Nitrophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Acenaphthene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Acenaphthylene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Aniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Anthracene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Azobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzidine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(a)anthracene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(a)pyrene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(b)fluoranthene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(g,h,i)perylene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(k)fluoranthene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzoic acid	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzyl alcohol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Carbazole	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Chrysene	82	80		µg/Kg	2	7/9/2003 11:45:00 AM
Dibenzo(a,h)anthracene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Dibenzofuran	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Diethyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Dimethyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Fluoranthene	200	80		µg/Kg	2	7/9/2003 11:45:00 AM
Fluorene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Hexachlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Hexachlorobutadiene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Hexachloroethane	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Indeno(1,2,3-c,d)pyrene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Isophorone	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Naphthalene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Nitrobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Pentachlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Phenanthrene	170	80		µg/Kg	2	7/9/2003 11:45:00 AM
Phenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Pyrene	200	80		µg/Kg	2	7/9/2003 11:45:00 AM
Pyridine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Chlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Methylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Nitrophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
3,3′-Dichlorobenzidine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
3-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Chloroaniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Nitrophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Acenaphthene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Acenaphthylene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Aniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Anthracene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Azobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzidine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzoic acid	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzyl alcohol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Carbazole	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Chrysene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Dibenzofuran	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Diethyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Fluoranthene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Fluorene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Hexachloroethane	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Isophorone	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Naphthalene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Nitrobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Pentachlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Phenanthrene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Phenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Pyrene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Pyridine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Chlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Methylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Nitrophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
3-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Chloroaniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Nitrophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Acenaphthene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Acenaphthylene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Aniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Anthracene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Azobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzidine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzoic acid	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzyl alcohol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Carbazole	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Chrysene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Dibenzofuran	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Diethyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Fluoranthene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Fluorene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Hexachloroethane	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Isophorone	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Naphthalene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Nitrobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Pentachlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Phenanthrene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Phenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Pyrene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Pyridine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Chlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Methylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Nitroaniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Nitrophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
3-Nitroaniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Chloroaniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Nitroaniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Nitrophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Acenaphthene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Acenaphthylene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Aniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Anthracene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Azobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzidine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzoic acid	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzyl alcohol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Carbazole	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Chrysene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Dibenzofuran	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Diethyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Fluoranthene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Fluorene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Hexachloroethane	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Isophorone	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Naphthalene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Nitrobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Pentachlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Phenanthrene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Phenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Pyrene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Pyridine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

GC PESTICIDE/PCB DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
4,4´-DDE	14	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
4,4´-DDT	6.4	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Chlordane	7.9	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
DBCP	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endrin	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Toxaphene	U	300		µg/Kg	1	7/10/2003 9:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
DBCP	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endrin	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Toxaphene	U	300		µg/Kg	1	7/10/2003 10:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Aldrin	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
alpha-BHC	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
beta-BHC	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Chlordane	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
DBCP	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
delta-BHC	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Dieldrin	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endosulfan I	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endosulfan II	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endrin	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endrin ketone	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
gamma-BHC	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Heptachlor	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Isodrin	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Methoxychlor	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Toxaphene	U	1.0		µg/L	1	7/1/2003 4:59:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Aldrin	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
alpha-BHC	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
beta-BHC	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Chlordane	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
DBCP	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
delta-BHC	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Dieldrin	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endosulfan I	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endosulfan II	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endrin	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endrin ketone	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
gamma-BHC	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Heptachlor	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Isodrin	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Methoxychlor	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Toxaphene	U	1.0		µg/L	1	7/1/2003 5:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Aldrin	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
alpha-BHC	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
beta-BHC	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Chlordane	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
DBCP	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
delta-BHC	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Dieldrin	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endosulfan I	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endosulfan II	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endrin	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endrin ketone	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
gamma-BHC	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Heptachlor	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Isodrin	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Methoxychlor	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Toxaphene	U	1.0		µg/L	1	7/1/2003 6:25:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/12/2003 4:52:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/12/2003 5:35:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/1/2003 4:13:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/1/2003 5:00:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/1/2003 5:47:00 PM

Qualifiers:

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E - Value above quantitation range

INORGANIC DATA

RESULTS - INORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.131	0.0500		mg/Kg	1	7/7/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5390	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Antimony	U	0.477		mg/Kg	1	7/7/2003 3:33:24 PM
Arsenic	6.60	0.477		mg/Kg	1	7/7/2003 3:33:24 PM
Barium	136	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Beryllium	1.84	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Cadmium	0.13	0.191	J	mg/Kg	1	7/7/2003 3:33:24 PM
Calcium	6850	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Chromium	49.3	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Cobalt	34.2	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Copper	351	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Iron	7660	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Lead	255	0.286		mg/Kg	1	7/7/2003 3:33:24 PM
Magnesium	381	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Manganese	176	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Nickel	45.6	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Potassium	903	1.34		mg/Kg	1	7/7/2003 3:33:24 PM
Selenium	U	0.477		mg/Kg	1	7/7/2003 3:33:24 PM
Silver	U	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Sodium	498	0.573		mg/Kg	1	7/7/2003 3:33:24 PM
Thallium	0.750	0.286		mg/Kg	1	7/7/2003 3:33:24 PM
Vanadium	18.6	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Zinc	1100	0.382		mg/Kg	1	7/7/2003 3:33:24 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/7/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	1450	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Antimony	U	0.463		mg/Kg	1	7/7/2003 3:35:35 PM
Arsenic	2.08	0.463		mg/Kg	1	7/7/2003 3:35:35 PM
Barium	18.7	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Beryllium	U	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Cadmium	U	0.185		mg/Kg	1	7/7/2003 3:35:35 PM
Calcium	2020	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Chromium	2.36	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Cobalt	13.0	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Copper	87.1	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Iron	6660	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Lead	25.4	0.278		mg/Kg	1	7/7/2003 3:35:35 PM
Magnesium	221	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Manganese	310	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Nickel	7.59	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Potassium	166	1.30		mg/Kg	1	7/7/2003 3:35:35 PM
Selenium	U	0.463		mg/Kg	1	7/7/2003 3:35:35 PM
Silver	U	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Sodium	179	0.556		mg/Kg	1	7/7/2003 3:35:35 PM
Thallium	U	0.278		mg/Kg	1	7/7/2003 3:35:35 PM
Vanadium	6.74	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Zinc	29.2	0.370		mg/Kg	1	7/7/2003 3:35:35 PM

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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/7/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Antimony	U	0.0250		mg/L	1	7/7/2003 2:29:21 PM
Arsenic	U	0.0250		mg/L	1	7/7/2003 2:29:21 PM
Barium	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Beryllium	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Cadmium	U	0.0100		mg/L	1	7/7/2003 2:29:21 PM
Calcium	0.158	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Chromium	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Cobalt	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Copper	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Iron	0.0069	0.0200	J	mg/L	1	7/7/2003 2:29:21 PM
Lead	U	0.0150		mg/L	1	7/7/2003 2:29:21 PM
Magnesium	0.0246	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Manganese	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Nickel	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Potassium	U	0.0700		mg/L	1	7/7/2003 2:29:21 PM
Selenium	U	0.0250		mg/L	1	7/7/2003 2:29:21 PM
Silver	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Sodium	0.022	0.0300	J	mg/L	1	7/7/2003 2:29:21 PM
Thallium	U	0.0150		mg/L	1	7/7/2003 2:29:21 PM
Vanadium	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Zinc	0.0200	0.0200		mg/L	1	7/7/2003 2:29:21 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/7/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Antimony	U	0.0250		mg/L	1	7/7/2003 2:37:13 PM
Arsenic	U	0.0250		mg/L	1	7/7/2003 2:37:13 PM
Barium	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Beryllium	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Cadmium	U	0.0100		mg/L	1	7/7/2003 2:37:13 PM
Calcium	0.145	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Chromium	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Cobalt	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Copper	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Iron	0.0065	0.0200	J	mg/L	1	7/7/2003 2:37:13 PM
Lead	U	0.0150		mg/L	1	7/7/2003 2:37:13 PM
Magnesium	0.0280	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Manganese	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Nickel	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Potassium	U	0.0700		mg/L	1	7/7/2003 2:37:13 PM
Selenium	U	0.0250		mg/L	1	7/7/2003 2:37:13 PM
Silver	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Sodium	0.011	0.0300	J	mg/L	1	7/7/2003 2:37:13 PM
Thallium	U	0.0150		mg/L	1	7/7/2003 2:37:13 PM
Vanadium	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Zinc	0.0221	0.0200		mg/L	1	7/7/2003 2:37:13 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/7/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Antimony	U	0.0250		mg/L	1	7/7/2003 2:39:35 PM
Arsenic	U	0.0250		mg/L	1	7/7/2003 2:39:35 PM
Barium	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Beryllium	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Cadmium	U	0.0100		mg/L	1	7/7/2003 2:39:35 PM
Calcium	0.0942	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Chromium	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Cobalt	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Copper	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Iron	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Lead	U	0.0150		mg/L	1	7/7/2003 2:39:35 PM
Magnesium	0.0088	0.0200	J	mg/L	1	7/7/2003 2:39:35 PM
Manganese	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Nickel	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Potassium	U	0.0700		mg/L	1	7/7/2003 2:39:35 PM
Selenium	U	0.0250		mg/L	1	7/7/2003 2:39:35 PM
Silver	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Sodium	0.011	0.0300	J	mg/L	1	7/7/2003 2:39:35 PM
Thallium	U	0.0150		mg/L	1	7/7/2003 2:39:35 PM
Vanadium	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Zinc	0.0223	0.0200		mg/L	1	7/7/2003 2:39:35 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Appendix

American Analytical Laboratories, Inc.

Date: *30-Jul-03*

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709E**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25527**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/10/2003** SeqNo: **25671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	21.42	5.0	16.65	0	129	69	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/10/2003** SeqNo: **25671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	6.377	5.0	6.66	0	95.8	66	128	0	0		
Dieldrin	21.88	5.0	16.65	0	131	67	126	0	0		S
Endrin	26.44	5.0	16.65	0	159	72	124	0	0		S
gamma-BHC	6.707	5.0	6.66	0	101	68	122	0	0		
Heptachlor	6.757	5.0	6.66	0	101	64	130	0	0		

Sample ID: **0306117-16BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	14.93	5.0	16.65	0	89.7	69	130	0	0		
Aldrin	5.565	5.0	6.66	0	83.6	66	128	0	0		
Dieldrin	14.93	5.0	16.65	0	89.7	67	126	0	0		
Endrin	17.82	5.0	16.65	0	107	72	124	0	0		
gamma-BHC	5.166	5.0	6.66	0	77.6	68	122	0	0		
Heptachlor	6.34	5.0	6.66	0	95.2	64	130	0	0		

Sample ID: **0306117-16BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	19.66	5.0	16.65	0	118	69	130	14.93	27.3	20	R
Aldrin	6.82	5.0	6.66	0	102	66	128	5.565	20.3	20	R
Dieldrin	19.76	5.0	16.65	0	119	67	126	14.93	27.9	20	R
Endrin	23.73	5.0	16.65	0	143	72	124	17.82	28.4	20	SR
gamma-BHC	6.284	5.0	6.66	0	94.4	68	122	5.166	19.5	20	
Heptachlor	7.451	5.0	6.66	0	112	64	130	6.34	16.1	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030630A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **24725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.10									
4,4´-DDE	U	0.10									
4,4´-DDT	U	0.10									
Aldrin	U	0.10									
alpha-BHC	U	0.10									
beta-BHC	U	0.10									
Chlordane	U	0.10									
Chlorobenzilate	U	0.10									
DBCP	U	0.10									
delta-BHC	U	0.10									
Dieldrin	U	0.10									
Endosulfan I	U	0.10									
Endosulfan II	U	0.10									
Endosulfan sulfate	U	0.10									
Endrin	U	0.10									
Endrin aldehyde	U	0.10									
Endrin ketone	U	0.10									
gamma-BHC	U	0.10									
Heptachlor	U	0.10									
Heptachlor epoxide	U	0.10									
Hexachlorobenzene	U	0.10									
Hexachlorocyclopentadiene	U	0.10									
Isodrin	U	0.10									
Methoxychlor	U	0.10									
Toxaphene	U	1.0									

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.10									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDE	U	0.10									
4,4´-DDT	U	0.10									
Aldrin	U	0.10									
alpha-BHC	U	0.10									
beta-BHC	U	0.10									
Chlordane	U	0.10									
Chlorobenzilate	U	0.10									
DBCP	U	0.10									
delta-BHC	U	0.10									
Dieldrin	U	0.10									
Endosulfan I	U	0.10									
Endosulfan II	U	0.10									
Endosulfan sulfate	U	0.10									
Endrin	U	0.10									
Endrin aldehyde	U	0.10									
Endrin ketone	U	0.10									
gamma-BHC	U	0.10									
Heptachlor	U	0.10									
Heptachlor epoxide	U	0.10									
Hexachlorobenzene	U	0.10									
Hexachlorocyclopentadiene	U	0.10									
Isodrin	U	0.10									
Methoxychlor	U	0.10									
Toxaphene	U	1.0									

Sample ID: **MSB063003** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.574	0.10	0.5	0	115	69	130	0	0		
Aldrin	0.144	0.10	0.2	0	72	66	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MSB063003** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.542	0.10	0.5	0	108	67	126	0	0		
Endrin	0.595	0.10	0.5	0	119	72	124	0	0		
gamma-BHC	0.247	0.10	0.2	0	124	68	122	0	0		S
Heptachlor	0.247	0.10	0.2	0	124	64	130	0	0		

Sample ID: **MSBDUP063003** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.591	0.10	0.5	0	118	69	130	0	0		
Aldrin	0.158	0.10	0.2	0	79	66	128	0	0		
Dieldrin	0.542	0.10	0.5	0	108	67	126	0	0		
Endrin	0.6	0.10	0.5	0	120	72	124	0	0		
gamma-BHC	0.242	0.10	0.2	0	121	68	122	0	0		
Heptachlor	0.247	0.10	0.2	0	124	64	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707A**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709F**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	131.4	80	166.5	0	78.9	59	122	0	0		
Aroclor 1260	141.4	80	166.5	0	84.9	57	121	0	0		

Sample ID: **0306117-17BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	228.2	80	166.5	0	137	59	122	0	0		S
Aroclor 1260	254.3	80	166.5	0	153	57	121	0	0		S

Sample ID: **0306117-17BMSD** SampType: **MSD** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	367.2	80	166.5	0	221	59	122	228.2	46.7	20	SR
Aroclor 1260	401.1	80	166.5	0	241	57	121	254.3	44.8	20	SR

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM XY_030630A**
Client ID: **ZZZZZ** Batch ID: **1422** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **24645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	1.0									
Aroclor 1221	U	1.0									
Aroclor 1232	U	1.0									
Aroclor 1242	U	1.0									
Aroclor 1248	U	1.0									
Aroclor 1254	U	1.0									
Aroclor 1260	U	1.0									

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM XY_030701A**
Client ID: **ZZZZZ** Batch ID: **1422** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	1.0									
Aroclor 1221	U	1.0									
Aroclor 1232	U	1.0									
Aroclor 1242	U	1.0									
Aroclor 1248	U	1.0									
Aroclor 1254	U	1.0									
Aroclor 1260	U	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070803 A	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/8/2003	Run ID: SYSTEM T_030630C
Client ID: ZZZZZ	Batch ID: 1447	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/8/2003	SeqNo: 25397

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D (SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **LCS070803** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	452.7	40	666	0	68	53	123	0	0		
1,4-Dichlorobenzene	445.3	40	666	0	66.9	41.5	114	0	0		
2,4-Dinitrotoluene	328.4	40	666	0	49.3	48	85.2	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **LCS070803** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	449.8	40	666	0	67.5	52	113	0	0		
4-Chloro-3-methylphenol	440.4	40	666	0	66.1	50.3	111	0	0		
4-Nitrophenol	379.2	40	666	0	56.9	41.6	108	0	0		
Acenaphthene	455.6	40	666	0	68.4	43.6	113	0	0		
N-Nitrosodi-n-propylamine	443.4	40	666	0	66.6	42	120	0	0		
Pentachlorophenol	404.1	40	666	0	60.7	38.6	109	0	0		
Phenol	462.4	40	666	0	69.4	44.8	113	0	0		
Pyrene	510.9	40	666	0	76.7	46.2	104	0	0		

Sample ID: **0306117-17B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	473.8	40	666	0	71.1	53	123	0	0		
1,4-Dichlorobenzene	414.4	40	666	0	62.2	41.5	114	0	0		
2,4-Dinitrotoluene	387.7	40	666	0	58.2	48	85.2	0	0		
2-Chlorophenol	423.4	40	666	0	63.6	52	113	0	0		
4-Chloro-3-methylphenol	478.8	40	666	0	71.9	50.3	111	0	0		
4-Nitrophenol	411.7	40	666	0	61.8	41.6	108	0	0		
Acenaphthene	441.2	40	666	0	66.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	421.5	40	666	0	63.3	42	120	0	0		
Pentachlorophenol	461.6	40	666	0	69.3	38.6	109	0	0		
Phenol	454.2	40	666	0	68.2	44.8	113	0	0		
Pyrene	688.5	40	666	0	103	46.2	104	0	0		

Sample ID: **0306117-17B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	411.1	40	666	0	61.7	53	123	0	0		
1,4-Dichlorobenzene	409.2	40	666	0	61.4	41.5	114	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-17B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	406.4	40	666	0	61	48	85.2	0	0		
2-Chlorophenol	493.4	40	666	0	74.1	52	113	0	0		
4-Chloro-3-methylphenol	499.3	40	666	0	75	50.3	111	0	0		
4-Nitrophenol	417	40	666	0	62.6	41.6	108	0	0		
Acenaphthene	461.5	40	666	0	69.3	43.6	113	0	0		
N-Nitrosodi-n-propylamine	485.3	40	666	0	72.9	42	120	0	0		
Pentachlorophenol	458.7	40	666	0	68.9	38.6	109	0	0		
Phenol	443.8	40	666	0	66.6	44.8	113	0	0		
Pyrene	698.9	40	666	0	105	46.2	104	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630A**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **24728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Chlorophenol	U	5.0	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Methylphenol	U	5.0	0	0	0	0	0	0	0		
2-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
2-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	5.0	0	0	0	0	0	0	0		
3+4-Methylphenol	U	5.0	0	0	0	0	0	0	0		
3-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Chloroaniline	U	5.0	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
Acenaphthene	U	5.0	0	0	0	0	0	0	0		
Acenaphthylene	U	5.0	0	0	0	0	0	0	0		
Aniline	U	5.0	0	0	0	0	0	0	0		
Anthracene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630A**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **24728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	5.0	0	0	0	0	0	0	0		
Benzidine	U	5.0	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	5.0	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	5.0	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	5.0	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzoic acid	U	5.0	0	0	0	0	0	0	0		
Benzyl alcohol	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	5.0	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	5.0	0	0	0	0	0	0	0		
Carbazole	U	5.0	0	0	0	0	0	0	0		
Chrysene	U	5.0	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	5.0	0	0	0	0	0	0	0		
Dibenzofuran	U	5.0	0	0	0	0	0	0	0		
Diethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Dimethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	5.0	0	0	0	0	0	0	0		
Fluoranthene	U	5.0	0	0	0	0	0	0	0		
Fluorene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobenzene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	5.0	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	5.0	0	0	0	0	0	0	0		
Hexachloroethane	U	5.0	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	5.0	0	0	0	0	0	0	0		
Isophorone	U	5.0	0	0	0	0	0	0	0		
Naphthalene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630A**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D (SW3510)** Analysis Date: **6/30/2003** SeqNo: **24728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	5.0	0	0	0	0	0	0	0		
Pentachlorophenol	U	5.0	0	0	0	0	0	0	0		
Phenanthrene	U	5.0	0	0	0	0	0	0	0		
Phenol	U	5.0	0	0	0	0	0	0	0		
Pyrene	U	5.0	0	0	0	0	0	0	0		
Pyridine	U	5.0	0	0	0	0	0	0	0		

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D (SW3510)** Analysis Date: **6/30/2003** SeqNo: **25121**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,4,5-Trichlorophenol	U	5.0									
2,4,6-Trichlorophenol	U	5.0									
2,4-Dichlorophenol	U	5.0									
2,4-Dimethylphenol	U	5.0									
2,4-Dinitrophenol	U	5.0									
2,4-Dinitrotoluene	U	5.0									
2,6-Dinitrotoluene	U	5.0									
2-Chloronaphthalene	U	5.0									
2-Chlorophenol	U	5.0									
2-Methylnaphthalene	U	5.0									
2-Methylphenol	U	5.0									
2-Nitroaniline	U	5.0									
2-Nitrophenol	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: SWB063003	SampType: MBLK	TestCode: 8270_w	Units: µg/L	Prep Date: 6/30/2003	Run ID: SYSTEM T_030630C
Client ID: ZZZZZ	Batch ID: 1419	TestNo: SW8270D	(SW3510)	Analysis Date: 6/30/2003	SeqNo: 25121

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	5.0									
3+4-Methylphenol	U	5.0									
3-Nitroaniline	U	5.0									
4,6-Dinitro-2-methylphenol	U	5.0									
4-Bromophenyl phenyl ether	U	5.0									
4-Chloro-3-methylphenol	U	5.0									
4-Chloroaniline	U	5.0									
4-Chlorophenyl phenyl ether	U	5.0									
4-Nitroaniline	U	5.0									
4-Nitrophenol	U	5.0									
Acenaphthene	U	5.0									
Acenaphthylene	U	5.0									
Aniline	U	5.0									
Anthracene	U	5.0									
Azobenzene	U	5.0									
Benzidine	U	5.0									
Benzo(a)anthracene	U	5.0									
Benzo(a)pyrene	U	5.0									
Benzo(b)fluoranthene	U	5.0									
Benzo(g,h,i)perylene	U	5.0									
Benzo(k)fluoranthene	U	5.0									
Benzoic acid	U	5.0									
Benzyl alcohol	U	5.0									
Bis(2-chloroethoxy)methane	U	5.0									
Bis(2-chloroethyl)ether	U	5.0									
Bis(2-chloroisopropyl)ether	U	5.0									
Bis(2-ethylhexyl)phthalate	U	5.0									
Butyl benzyl phthalate	U	5.0									
Carbazole	U	5.0									
Chrysene	U	5.0									
Dibenzo(a,h)anthracene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **25121**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	5.0									
Diethyl phthalate	U	5.0									
Dimethyl phthalate	U	5.0									
Di-n-butyl phthalate	U	5.0									
Di-n-octyl phthalate	U	5.0									
Fluoranthene	U	5.0									
Fluorene	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorobutadiene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Hexachloroethane	U	5.0									
Indeno(1,2,3-c,d)pyrene	U	5.0									
Isophorone	U	5.0									
Naphthalene	U	5.0									
Nitrobenzene	U	5.0									
N-Nitrosodimethylamine	U	5.0									
N-Nitrosodi-n-propylamine	U	5.0									
N-Nitrosodiphenylamine	U	5.0									
Pentachlorophenol	U	5.0									
Phenanthrene	U	5.0									
Phenol	U	5.0									
Pyrene	U	5.0									
Pyridine	U	5.0									

Sample ID: **LCS063003** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **25122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	14.74	5.0	20	0	73.7	53	123	0	0		
1,4-Dichlorobenzene	13.64	5.0	20	0	68.2	38	136	0	0		
2,4-Dinitrotoluene	11.29	5.0	20	0	56.4	40	119	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **LCS063003** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **25122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	14.04	5.0	20	0	70.2	46	128	0	0		
4-Chloro-3-methylphenol	15.77	5.0	20	0	78.8	30.8	107	0	0		
4-Nitrophenol	5.65	5.0	20	0	28.2	5	107	0	0		
Acenaphthene	15.11	5.0	20	0	75.6	52	125	0	0		
N-Nitrosodi-n-propylamine	14.48	5.0	20	0	72.4	35	142	0	0		
Pentachlorophenol	9.82	5.0	20	0	49.1	18	126	0	0		
Phenol	7.18	5.0	20	0	35.9	5	110	0	0		
Pyrene	16.99	5.0	20	0	85	42	134	0	0		

Sample ID: **LCSD063003** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **25123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	14.76	5.0	20	0	73.8	53	123	0	0		
1,4-Dichlorobenzene	13.33	5.0	20	0	66.7	38	136	0	0		
2,4-Dinitrotoluene	10.54	5.0	20	0	52.7	40	119	0	0		
2-Chlorophenol	14.73	5.0	20	0	73.6	46	128	0	0		
4-Chloro-3-methylphenol	14.67	5.0	20	0	73.4	30.8	107	0	0		
4-Nitrophenol	4.62	5.0	20	0	23.1	5	107	0	0		J
Acenaphthene	15.02	5.0	20	0	75.1	52	125	0	0		
N-Nitrosodi-n-propylamine	13.75	5.0	20	0	68.8	35	142	0	0		
Pentachlorophenol	8.89	5.0	20	0	44.4	18	126	0	0		
Phenol	7.03	5.0	20	0	35.2	5	110	0	0		
Pyrene	17.61	5.0	20	0	88	42	134	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **24774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **24774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **24774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **LCS070103B** SampType: **LCS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **24775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	48.58	5.0	50	0	97.2	67.3	124	0	0		
Benzene	50.21	5.0	50	0	100	65.1	126	0	0		
Chlorobenzene	56.46	5.0	50	0	113	63.7	127	0	0		
Toluene	50.99	5.0	50	0	102	68.7	124	0	0		
Trichloroethene	51.1	5.0	50	0	102	63.4	123	0	0		

Sample ID: **0306118-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **MW16 (0.5-2')** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	31.35	5.0	50	0	62.7	67.3	124	0	0		S
Benzene	27.38	5.0	50	0	54.8	65.1	126	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **0306118-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **MW16 (0.5-2')** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	13.38	5.0	50	0	26.8	63.7	127	0	0		S
Toluene	21.39	5.0	50	0	42.8	68.7	124	0	0		S
Trichloroethene	21.94	5.0	50	0	43.9	63.4	123	0	0		S

Sample ID: **0306118-01AMSD** SampType: **MSD** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **MW16 (0.5-2')** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24778**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	33.2	5.0	50	0	66.4	67.3	124	31.35	5.73	20	S
Benzene	29.18	5.0	50	0	58.4	65.1	126	27.38	6.36	20	S
Chlorobenzene	15.34	5.0	50	0	30.7	63.7	127	13.38	13.6	20	S
Toluene	23.91	5.0	50	0	47.8	68.7	124	21.39	11.1	20	S
Trichloroethene	26.03	5.0	50	0	52.1	63.4	123	21.94	17.1	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK070203W** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	1.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	1.0									
Acetone	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK070203W** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK070203W** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	1.0									
n-Butyl acetate	U	1.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	1.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306117-16BMS	102	71.4						
0306117-16BMSD	126	85.4						
0306118-01B	121	87.5						
0306118-02B	96.2	94.2						
MSB070303	141	114						
PSB070303	121	111						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	61.4-149
XYL2456CLM	=	TCX	63.9-130

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306118-04B	78.0	55.6						
0306118-05B	96.0	81.8						
0306118-06B	105	84.2						
MSB063003	113	63.4						
MSBDUP063003	109	64.5						
PWB063003	98.8	60.8						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	53.4-139
XYL2456CLM	=	TCX	55.3-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306117-17BMS	123	109						
0306117-17BMSD	112	97.8						
0306118-01B	71.8	61.3						
0306118-02B	57.4	60.5						
MSB070303	77.7	68.6						
PSB070303	65.5	55.2						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	34.2-138
XYL2456CLM	=	TCX	31.2-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** W

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306118-04B	65.6	52.4						
0306118-05B	74.8	68.5						
0306118-06B	90.1	75.0						
PWB063003	78.7	55.1						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	52-142
XYL2456CLM	=	TCX	52-143

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8260B **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0306118-01A	95.3	97.8	96.3					
0306118-01AMS	95.8	98.1	98.6					
0306118-01AMSD	96.2	96.9	98.2					
0306118-02A	97.1	97.8	99.8					
LCS070103B	122	87.0	89.6					
VBLK070103B	95.9	98.0	94.7					
VBLK070203	98.5	99.7	102					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	65.8-125
BZMED8	=	Toluene-d8	70.3-125
DBFM	=	Dibromofluoromethane	83.7-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8260B **Matrix:** W

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0306118-03A	95.2	99.7	101					
0306118-04A	119	86.8	88.1					
0306118-05A	117	85.6	91.2					
0306118-06A	115	84.6	85.6					
0306118-07A	120	85.8	88.3					
0306118-08A	119	86.7	92.4					
VBLK070203W	98.5	99.7	102					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	69.2-122
BZMED8	=	Toluene-d8	75-122
DBFM	=	Dibromofluoromethane	85-121

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0306117-17B MS	82.4	77.6	74.4	75.5	101	77.1		
0306117-17B MSD	69.6	90.0	78.0	75.7	98.4	69.8		
0306118-01B	85.3	78.2	66.4	78.2	86.9	62.9		
0306118-02B	93.2	92.9	66.9	73.2	86.0	82.0		
LCS070803	80.3	79.4	74.2	76.6	81.5	77.2		
SSB070803 A	75.1	89.0	69.5	78.1	107	52.6		
SSB070803B	86.2	74.2	80.0	85.5	101	54.4		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0306118-04B	77.2	75.7	54.1	79.1	81.8	32.1		
0306118-05B	74.3	86.9	57.5	83.1	88.9	34.2		
0306118-06B	58.0	66.6	47.8	68.8	82.6	26.2		
LCS063003	84.4	85.9	59.9	87.6	93.6	37.8		
LCSD063003	80.1	85.6	57.7	82.3	96.4	35.1		
SWB063003	74.8	75.6	56.2	80.0	91.3	33.7		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	35.8-128
PH246BR	=	2,4,6-Tribromophenol	17.2-124.3
PH2F	=	2-Fluorophenol	26-112.5
PHEN2F	=	2-Fluorobiphenyl	37.9-119.5
PHEND14	=	4-Terphenyl-d14	33.2-135.5
PHENOLD6	=	Phenol-d6	11.1-103.6

*** Surrogate recovery outside acceptance limits**

2003 Groundwater Data

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

ASP CATEGORY A
WORKORDER 0307061
AKRF, INC.
GREENPOINT LUMBER YARD
BROOKLYN, N.Y.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

COVER PAGE

July 28, 2003

Mimi Sotiriou
AKRF, Inc
116 East 27th Street
7th Floor
New York, NY 10016

TEL: (646) 459-3528
FAX (212) 726-0942

RE: Greenpoint Lumber Yard Brooklyn, NY

Order No.: 0307061

Dear Mimi Sotiriou:

American Analytical Laboratories, Inc. received 14 samples on 7/16/2003 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0307061

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0307061-01A	MW6		7/16/2003	7/16/2003
0307061-01B	MW6		7/16/2003	7/16/2003
0307061-01C	MW6		7/16/2003	7/16/2003
0307061-01D	MW6		7/16/2003	7/16/2003
0307061-02A	MW7		7/16/2003	7/16/2003
0307061-02B	MW7		7/16/2003	7/16/2003
0307061-02C	MW7		7/16/2003	7/16/2003
0307061-02D	MW7		7/16/2003	7/16/2003
0307061-03A	MW8		7/16/2003	7/16/2003
0307061-03B	MW8		7/16/2003	7/16/2003
0307061-03C	MW8		7/16/2003	7/16/2003
0307061-03D	MW8		7/16/2003	7/16/2003
0307061-04A	MW9		7/16/2003	7/16/2003
0307061-04B	MW9		7/16/2003	7/16/2003
0307061-04C	MW9		7/16/2003	7/16/2003
0307061-04D	MW9		7/16/2003	7/16/2003
0307061-05A	MW10		7/16/2003	7/16/2003
0307061-05B	MW10		7/16/2003	7/16/2003
0307061-05C	MW10		7/16/2003	7/16/2003
0307061-05D	MW10		7/16/2003	7/16/2003
0307061-06A	MW11		7/16/2003	7/16/2003
0307061-06B	MW11		7/16/2003	7/16/2003
0307061-06C	MW11		7/16/2003	7/16/2003
0307061-06D	MW11		7/16/2003	7/16/2003
0307061-07A	MW12		7/16/2003	7/16/2003
0307061-07B	MW12		7/16/2003	7/16/2003
0307061-07C	MW12		7/16/2003	7/16/2003
0307061-07D	MW12		7/16/2003	7/16/2003
0307061-08A	MW13		7/16/2003	7/16/2003
0307061-08B	MW13		7/16/2003	7/16/2003
0307061-08C	MW13		7/16/2003	7/16/2003
0307061-08D	MW13		7/16/2003	7/16/2003
0307061-09A	MW14		7/16/2003	7/16/2003
0307061-09B	MW14		7/16/2003	7/16/2003
0307061-09C	MW14		7/16/2003	7/16/2003
0307061-09D	MW14		7/16/2003	7/16/2003
0307061-10A	MW15		7/16/2003	7/16/2003
0307061-10B	MW15		7/16/2003	7/16/2003

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0307061

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0307061-10C	MW15		7/16/2003	7/16/2003
0307061-10D	MW15		7/16/2003	7/16/2003
0307061-11A	MW16		7/16/2003	7/16/2003
0307061-11B	MW16		7/16/2003	7/16/2003
0307061-11C	MW16		7/16/2003	7/16/2003
0307061-11D	MW16		7/16/2003	7/16/2003
0307061-12A	FOUND WELL		7/16/2003	7/16/2003
0307061-12B	FOUND WELL		7/16/2003	7/16/2003
0307061-12C	FOUND WELL		7/16/2003	7/16/2003
0307061-12D	FOUND WELL		7/16/2003	7/16/2003
0307061-13A	TRIP BLANK		7/16/2003	7/16/2003
0307061-14A	FIELD BLANK		7/16/2003	7/16/2003
0307061-14B	FIELD BLANK		7/16/2003	7/16/2003
0307061-14C	FIELD BLANK		7/16/2003	7/16/2003

SDG NARRATIVE

SDG Narrative

AAL Work Order: : 0307061
Sample Matrix : Groundwater
Project : Greenpoint

INTRODUCTION
This narrative covers the analysis of twelve (12) groundwater and the associated quality control samples (Field Blank and Trip Blank) in accordance with protocols based on SW846 Methods 8260, 8270, 8081, 8082, 6010 and 7470.

HOLDING TIMES
The analytical holding time for these analyses was met.

CALIBRATIONS
Initial Calibration: All required minimum RRFs and maximum %RSD requirements have been met in accordance with the method.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the method.

TUNE PERFORMANCE
All Tune (BFB) specifications met QC requirements.

METHOD BLANKS
The method blanks associated with these samples did not contain any target compounds at or above QC limits with the exception of the volatile method blank analyzed on 7/19/03 [applicable to samples MW9, MW10, MW11, MW12, MW13, MW14, MW15, MW16 Found Well, Field Blank and the Trip Blank] which was determined to contain toluene within acceptable levels. Toluene was detected in sample MW13 and has been qualified, "B," as required. The level detected in MW13 (12 ppb) is consistent with lab contamination levels and therefore cannot be attributed to sample matrix constituents.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE/DUPLICATES
MS/MSD/Dup analysis was performed as required. Results are submitted as an appendix to this report.
Spike recoveries and RPD fell within established ranges except where noted on the summary sheets. No laboratory action is required for MS/MSD outliers.

INTERNAL STANDARDS
All area responses and retention times fell within acceptable ranges.

SURROGATES (SYSTEM MONITORING COMPOUNDS)
Surrogate recoveries are summarized in the appendix to this reort.

SAMPLE COMMENTS
Samples were analyzed as per the required protocols.

Volatile and Semivolatile analysis of MW13 was initially analyzed undiluted. As a result of Napthalene concentrations exceeding the instruments linear calibration range for both analyses, a secondary (1:10) dilution was performed as required. Results have been hybridized on the Form I's.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his designee, as verified by the following signature." This statement shall be directly followed by signature of the Laboratory Manager or his designee with a typed line below it containing the signer's name and title, and the date of the signature.

Lori Beyer 07/29/03
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES, INC.
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AMERICAN ANALYTICAL LABORATORIES, INC.
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FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFERS

For reporting results, the following "Results Qualifers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		*VOA GC/MS METHOD #	*BNA GC/MS METHOD #	*VOA GC METHOD #	*PEST PCBs METHOD #	*METALS (TAL)	*OTHER
MW6	0307061-01	8260	8270	NA	8081/8082	6010/7470	
MW7	0307061-02						
MW8	0307061-03						
MW9	0307061-04						
MW10	0307061-05						
MW11	0307061-06						
MW12	0307061-07						
MW13	0307061-08						
MW14	0307061-09						
MW15	0307061-10						
MW16	0307061-11						
Found Well	0307061-12						
Trip Blank	0307061-13		—	—	—	—	
Field Blank	0307061-14		8270	NA	8081/8082	6010/7470	

NA = Not Applicable

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0307061-01	AQUEOUS	7/16/03	7/16/03	NA	7/18/03
0307061-02					7/18/03
0307061-03					7/18/03
0307061-04					7/19/03
0307061-05					7/19/03
0307061-06					7/19/03
0307061-07					7/19/03
0307061-08					7/19/03
0307061-09					7/19/03
0307061-10					7/19/03
0307061-11					7/19/03
0307061-12					7/19/03
0307061-14					7/19/03
0307061-13					7/19/03

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0307061-01	AQUEOUS	07/16/03	07/16/03	07/17/03	07/17/03
0307061-02					07/18/03
0307061-03					
0307061-04					
0307061-05					
0307061-06					
0307061-07					
0307061-08					07/18/03, 07/22/03
0307061-09					07/18/03
0307061-10					07/19/03
0307061-11					07/21/03
0307061-12					
0307061-14					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILLARY CLEAN UP	DIL / CONC. FACTOR
0307061-01	AQUEOUS	3510/8270	3570 sepf	NA	1
0307061-02	↓	↓	↓	↓	1
0307061-03	↓	↓	↓	↓	1
0307061-04	↓	↓	↓	↓	1
0307061-05	↓	↓	↓	↓	1
0307061-06	↓	↓	↓	↓	1
0307061-07	↓	↓	↓	↓	1
0307061-08	↓	↓	↓	↓	1, 10
0307061-09	↓	↓	↓	↓	1
0307061-10	↓	↓	↓	↓	1
0307061-11	↓	↓	↓	↓	1
0307061-12	↓	↓	↓	↓	1
0307061-14	↓	↓	↓	↓	1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE / PCB
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0307061-01	AQUEOUS	07/16/03	07/16/03	07/17/03	07/18/03
0307061-02					
0307061-03					
0307061-04					
0307061-05					
0307061-06					07/21/03
0307061-07					
0307061-08					
0307061-09					
0307061-10					
0307061-11					
0307061-12					
0307061-14					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE ANALYZED
0307061-01	AQUEOUS	TAC (23)	07/16/03	7/18/03, 7/23/03
0307061-02				
0307061-03				
0307061-04				
0307061-05				
0307061-06				
0307061-07				
0307061-08				
0307061-09				
0307061-10				
0307061-11				
0307061-12				
0307061-14				

CHAIN OF CUSTODY FORMS

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: AAL20000@aol.com

Attn: Lori Beyer

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: Mimi Sotiriou, AKRF, Inc.
CONTACT: 666-459-3528, 917-612-7877
SAMPLER (SIGNATURE): MSotiriou
DATE: 7/17/03 TIME: 10AM
SAMPLER NAME (PRINT): MSotiriou
SAMPLE(S) SEALED: YES / NO
CORRECT CONTAINER(S): YES / NO
PROJECT LOCATION: 30260-0006 Greenpoint Lumber Yard - Brooklyn, NY
P.O.#: 30260-0006

ANALYSIS REQUIRED: 8260, 8270, 8081, 8082, TCL Metals, TAL Metals Unfiltered

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260	8270	8081	8082	TCL Metals	TAL Metals Unfiltered
0307061-01AB CD	L			MW6	X	X	X	X	X	X
-02AB CD				MW 7						
-03AB CD				MW 8						
-04AB CD				MW 9						
-05AB CD				MW 10						
-06AB CD				MW 11						
-07AB CD				MW 12						
-08AB CD				MW 13						
-09AB CD				MW 14						
-10AB CD				MW 15						
-11AB CD				MW 16						
-12AB CD				FOUND WELL	✓	✓	✓	✓	✓	✓
-13A				TRIP BLANK						
-14AB CD				FIELD BLANK	X	X	X		X	

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A=AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS: 2nd Chain - Ignore 1st Chain

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
MSotiriou	7/16/03 2PM	MSotiriou	[illegible]	7/16/03 2:45 PM	Lori Beyer
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

GC/MS VOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,4-Trimethylbenzene	3.7	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,3,5-Trimethylbenzene	2.6	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2-Butanone	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2-Hexanone	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Acetone	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Acrolein	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Benzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromoform	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromomethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/18/2003 7:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chloroform	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chloromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Dibromomethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Ethanol	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Freon-114	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
m,p-Xylene	4.2	2.0		µg/L	1	7/18/2003 7:28:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Methylene chloride	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Naphthalene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
o-Xylene	1.6	1.0		µg/L	1	7/18/2003 7:28:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Styrene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Toluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Trichloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/18/2003 7:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,4-Trimethylbenzene	1.6	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2-Butanone	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2-Hexanone	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
4-Isopropyltoluene	7.2	1.0		µg/L	1	7/18/2003 9:24:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Acetone	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Acrolein	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Benzene	2.0	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromoform	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromomethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/18/2003 9:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chloroform	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chloromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Dibromomethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Ethanol	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Freon-114	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/18/2003 9:24:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Methylene chloride	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Naphthalene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
o-Xylene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Styrene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Toluene	2.2	1.0		µg/L	1	7/18/2003 9:24:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Trichloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/18/2003 9:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2-Butanone	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2-Hexanone	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Acetone	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Acrolein	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Benzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromoform	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromomethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/18/2003 10:02:00 PM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chloroform	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chloromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Dibromomethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Ethanol	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Freon-114	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/18/2003 10:02:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Methylene chloride	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Naphthalene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
o-Xylene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Styrene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Toluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Trichloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/18/2003 10:02:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 1:50:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 1:50:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 1:50:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 2:28:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 2:28:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 2:28:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 3:07:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 3:07:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Tetrachloroethene	5.6	1.0		µg/L	1	7/19/2003 3:07:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 3:07:00 AM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 3:45:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 3:45:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 3:45:00 AM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,4-Trimethylbenzene	15	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,3,5-Trimethylbenzene	10	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
4-Isopropyltoluene	8.8	1.0		µg/L	1	7/19/2003 4:22:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Benzene	1.4	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Carbon disulfide	2.4	1.0		µg/L	1	7/19/2003 4:22:00 AM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Ethylbenzene	9.7	1.0		µg/L	1	7/19/2003 4:22:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Isopropylbenzene	1.2	1.0		µg/L	1	7/19/2003 4:22:00 AM
m,p-Xylene	33	2.0		µg/L	1	7/19/2003 4:22:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Naphthalene	700	10		µg/L	10	7/22/2003 3:32:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
n-Propylbenzene	4.5	1.0		µg/L	1	7/19/2003 4:22:00 AM
o-Xylene	16	1.0		µg/L	1	7/19/2003 4:22:00 AM
p-Diethylbenzene	3.7	1.0		µg/L	1	7/19/2003 4:22:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Styrene	6.1	1.0		µg/L	1	7/19/2003 4:22:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Toluene	12	1.0	B	µg/L	1	7/19/2003 4:22:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 4:22:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 5:01:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 5:01:00 AM
Methyl tert-butyl ether	8.0	1.0		µg/L	1	7/19/2003 5:01:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 5:01:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 5:39:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 5:39:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 5:39:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 6:17:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 6:17:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 6:17:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 6:55:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 6:55:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	TRIP BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-13A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	TRIP BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-13A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 7:33:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	TRIP BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-13A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 8:11:00 AM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 8:11:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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GC/MS SEMIVOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Acenaphthene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Aniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Anthracene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Azobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzidine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzoic acid	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Carbazole	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Chrysene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Fluoranthene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Fluorene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Isophorone	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Naphthalene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Phenanthrene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Phenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Pyrene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Pyridine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
3+4-Methylphenol	6.1	5.0		µg/L	1	7/18/2003 2:41:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzoic acid	29	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Phenanthrene	7.1	5.0		µg/L	1	7/18/2003 2:41:00 PM
Phenol	7.4	5.0		µg/L	1	7/18/2003 2:41:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Naphthalene	8.6	5.0		µg/L	1	7/18/2003 4:37:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
3,3′-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Methylnaphthalene	68	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Acenaphthene	18	5.0		µg/L	1	7/18/2003 7:49:00 PM
Acenaphthylene	18	5.0		µg/L	1	7/18/2003 7:49:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Anthracene	5.6	5.0		µg/L	1	7/18/2003 7:49:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Carbazole	10	5.0		µg/L	1	7/18/2003 7:49:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Dibenzofuran	6.5	5.0		µg/L	1	7/18/2003 7:49:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Fluorene	18	5.0		µg/L	1	7/18/2003 7:49:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Naphthalene	630	50		µg/L	10	7/22/2003 1:35:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Phenanthrene	39	5.0		µg/L	1	7/18/2003 7:49:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Chloronaphthalene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Chlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Methylnaphthalene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Methylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Nitroaniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Nitrophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
3+4-Methylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
3-Nitroaniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Chloroaniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Nitroaniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Nitrophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Acenaphthene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Acenaphthylene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Aniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Anthracene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Azobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzidine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(a)anthracene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(a)pyrene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzoic acid	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzyl alcohol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Carbazole	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Chrysene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Dibenzofuran	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Diethyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Dimethyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Fluoranthene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Fluorene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Hexachlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Hexachlorobutadiene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Hexachloroethane	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Isophorone	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Naphthalene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Nitrobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Pentachlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Phenanthrene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Phenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Pyrene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Pyridine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Acenaphthene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Aniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Anthracene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Azobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzidine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzoic acid	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Carbazole	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Chrysene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Fluoranthene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Fluorene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Isophorone	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Naphthalene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Phenanthrene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Phenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Pyrene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Pyridine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Acenaphthene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Aniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Anthracene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Azobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzidine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzoic acid	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Carbazole	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Chrysene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Fluoranthene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Fluorene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Isophorone	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Naphthalene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Phenanthrene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Phenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Pyrene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Pyridine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Acenaphthene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Aniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Anthracene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Azobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzidine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzoic acid	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Carbazole	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Chrysene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Fluoranthene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Fluorene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Isophorone	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Naphthalene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Phenanthrene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Phenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Pyrene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Pyridine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM

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E - Value above quantitation range

GC PESTICIDE/PCB DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 5:26:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 6:09:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 6:52:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 7:35:00 PM

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R - RPD outside accepted recovery limits
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 8:18:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Hexachlorobenzene	0.08	0.10	J	µg/L	1	7/21/2003 6:53:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 6:53:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 7:36:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 8:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 9:02:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 9:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 10:28:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 11:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 11:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 5:26:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 6:09:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 6:52:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 7:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 8:18:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 6:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 7:36:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 8:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 9:02:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 9:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 10:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 11:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 11:54:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

INORGANIC DATA

RESULTS - INORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.104	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Antimony	0.0836	0.0250		mg/L	1	7/18/2003 10:22:43 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:22:43 AM
Barium	0.218	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:22:43 AM
Calcium	146	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Cobalt	0.013	0.0200	J	mg/L	1	7/18/2003 10:22:43 AM
Copper	0.015	0.0200	J	mg/L	1	7/18/2003 10:22:43 AM
Iron	29.2	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:22:43 AM
Magnesium	7.07	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Manganese	0.558	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Nickel	0.0054	0.0200	J	mg/L	1	7/18/2003 10:22:43 AM
Potassium	15.5	0.0700		mg/L	1	7/18/2003 10:22:43 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:22:43 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Sodium	21.7	0.0300		mg/L	1	7/18/2003 10:22:43 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:22:43 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Zinc	0.0516	0.0200		mg/L	1	7/18/2003 10:22:43 AM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0562	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:20:15 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:20:15 AM
Barium	0.146	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:20:15 AM
Calcium	160	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Iron	0.843	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:20:15 AM
Magnesium	7.73	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Manganese	0.537	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Potassium	18.1	0.0700		mg/L	1	7/18/2003 10:20:15 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:20:15 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Sodium	17.1	0.0300		mg/L	1	7/18/2003 10:20:15 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:20:15 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Zinc	0.0071	0.0200	J	mg/L	1	7/18/2003 10:20:15 AM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	1.68	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Antimony	0.0548	0.0250		mg/L	1	7/18/2003 10:28:23 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:28:23 AM
Barium	0.132	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:28:23 AM
Calcium	39.2	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Copper	0.019	0.0200	J	mg/L	1	7/18/2003 10:28:23 AM
Iron	0.497	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Lead	0.0197	0.0150		mg/L	1	7/18/2003 10:28:23 AM
Magnesium	0.166	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Manganese	0.0082	0.0200	J	mg/L	1	7/18/2003 10:28:23 AM
Nickel	0.0058	0.0200	J	mg/L	1	7/18/2003 10:28:23 AM
Potassium	100	0.0700		mg/L	1	7/18/2003 10:28:23 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:28:23 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Sodium	110	0.0300		mg/L	1	7/18/2003 10:28:23 AM
Thallium	0.0190	0.0150		mg/L	1	7/18/2003 10:28:23 AM
Vanadium	0.0083	0.0200	J	mg/L	1	7/18/2003 10:28:23 AM
Zinc	0.0392	0.0200		mg/L	1	7/18/2003 10:28:23 AM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	1.69	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:26:08 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:26:08 AM
Barium	0.140	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:26:08 AM
Calcium	41.9	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Copper	0.0052	0.0200	J	mg/L	1	7/18/2003 10:26:08 AM
Iron	0.157	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Lead	0.0091	0.0150	J	mg/L	1	7/18/2003 10:26:08 AM
Magnesium	0.0633	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Manganese	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Nickel	0.0048	0.0200	J	mg/L	1	7/18/2003 10:26:08 AM
Potassium	114	0.0700		mg/L	1	7/18/2003 10:26:08 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:26:08 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Sodium	116	0.0300		mg/L	1	7/18/2003 10:26:08 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:26:08 AM
Vanadium	0.0081	0.0200	J	mg/L	1	7/18/2003 10:26:08 AM
Zinc	0.0062	0.0200	J	mg/L	1	7/18/2003 10:26:08 AM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.334	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Antimony	0.0443	0.0250		mg/L	1	7/18/2003 10:33:41 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:33:41 AM
Barium	0.486	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:33:41 AM
Calcium	168	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Copper	0.010	0.0200	J	mg/L	1	7/18/2003 10:33:41 AM
Iron	0.106	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:33:41 AM
Magnesium	495	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Manganese	0.018	0.0200	J	mg/L	1	7/18/2003 10:33:41 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Potassium	349	0.0700		mg/L	1	7/18/2003 10:33:41 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:33:41 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Sodium	509	0.0300		mg/L	1	7/18/2003 10:33:41 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:33:41 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Zinc	0.0520	0.0200		mg/L	1	7/18/2003 10:33:41 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0575	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:31:20 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:31:20 AM
Barium	0.468	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:31:20 AM
Calcium	167	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Iron	0.0448	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:31:20 AM
Magnesium	505	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Manganese	0.018	0.0200	J	mg/L	1	7/18/2003 10:31:20 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Potassium	368	0.0700		mg/L	1	7/18/2003 10:31:20 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:31:20 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Sodium	517	0.0300		mg/L	1	7/18/2003 10:31:20 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:31:20 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Zinc	0.0270	0.0200		mg/L	1	7/18/2003 10:31:20 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.582	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Antimony	0.0272	0.0250		mg/L	1	7/18/2003 10:50:46 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:50:46 AM
Barium	0.230	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:50:46 AM
Calcium	223	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Copper	0.015	0.0200	J	mg/L	1	7/18/2003 10:50:46 AM
Iron	3.83	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Lead	0.0173	0.0150		mg/L	1	7/18/2003 10:50:46 AM
Magnesium	38.7	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Manganese	0.848	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Nickel	0.0045	0.0200	J	mg/L	1	7/18/2003 10:50:46 AM
Potassium	38.8	0.0700		mg/L	1	7/18/2003 10:50:46 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:50:46 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Sodium	101	0.0300		mg/L	1	7/18/2003 10:50:46 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:50:46 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Zinc	0.146	0.0200		mg/L	1	7/18/2003 10:50:46 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0727	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:47:48 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:47:48 AM
Barium	0.235	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:47:48 AM
Calcium	252	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Iron	0.695	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:47:48 AM
Magnesium	42.2	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Manganese	0.939	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Potassium	45.8	0.0700		mg/L	1	7/18/2003 10:47:48 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:47:48 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Sodium	102	0.0300		mg/L	1	7/18/2003 10:47:48 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:47:48 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Zinc	0.101	0.0200		mg/L	1	7/18/2003 10:47:48 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.204	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Antimony	0.018	0.0250	J	mg/L	1	7/18/2003 10:56:05 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:56:05 AM
Barium	0.130	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:56:05 AM
Calcium	266	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Copper	0.013	0.0200	J	mg/L	1	7/18/2003 10:56:05 AM
Iron	6.98	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Lead	0.010	0.0150	J	mg/L	1	7/18/2003 10:56:05 AM
Magnesium	52.2	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Manganese	6.12	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Potassium	42.1	0.0700		mg/L	1	7/18/2003 10:56:05 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:56:05 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Sodium	109	0.0300		mg/L	1	7/18/2003 10:56:05 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:56:05 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Zinc	0.0829	0.0200		mg/L	1	7/18/2003 10:56:05 AM

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0417	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:53:44 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:53:44 AM
Barium	0.112	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:53:44 AM
Calcium	304	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Iron	0.399	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:53:44 AM
Magnesium	58.1	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Manganese	6.80	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Potassium	51.0	0.0700		mg/L	1	7/18/2003 10:53:44 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:53:44 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Sodium	112	0.0300		mg/L	1	7/18/2003 10:53:44 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:53:44 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Zinc	0.0051	0.0200	J	mg/L	1	7/18/2003 10:53:44 AM

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.110	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:00:41 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:00:41 AM
Barium	0.0496	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:00:41 AM
Calcium	113	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Copper	0.0098	0.0200	J	mg/L	1	7/18/2003 11:00:41 AM
Iron	0.153	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:00:41 AM
Magnesium	33.8	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Manganese	0.184	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Nickel	0.0054	0.0200	J	mg/L	1	7/18/2003 11:00:41 AM
Potassium	7.10	0.0700		mg/L	1	7/18/2003 11:00:41 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:00:41 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Sodium	34.0	0.0300		mg/L	1	7/18/2003 11:00:41 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:00:41 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Zinc	0.0414	0.0200		mg/L	1	7/18/2003 11:00:41 AM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0665	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:58:22 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:58:22 AM
Barium	0.0499	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:58:22 AM
Calcium	123	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Iron	0.0584	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:58:22 AM
Magnesium	36.7	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Manganese	0.194	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Nickel	0.0046	0.0200	J	mg/L	1	7/18/2003 10:58:22 AM
Potassium	8.25	0.0700		mg/L	1	7/18/2003 10:58:22 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:58:22 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Sodium	32.1	0.0300		mg/L	1	7/18/2003 10:58:22 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:58:22 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Zinc	0.018	0.0200	J	mg/L	1	7/18/2003 10:58:22 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.211	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:05:27 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:05:27 AM
Barium	0.277	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:05:27 AM
Calcium	113	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Copper	0.012	0.0200	J	mg/L	1	7/18/2003 11:05:27 AM
Iron	9.42	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Lead	0.0236	0.0150		mg/L	1	7/18/2003 11:05:27 AM
Magnesium	27.8	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Manganese	1.93	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Potassium	24.3	0.0700		mg/L	1	7/18/2003 11:05:27 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:05:27 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Sodium	83.4	0.0300		mg/L	1	7/18/2003 11:05:27 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:05:27 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Zinc	0.0538	0.0200		mg/L	1	7/18/2003 11:05:27 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0417	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:03:03 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:03:03 AM
Barium	0.240	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:03:03 AM
Calcium	127	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Iron	0.395	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:03:03 AM
Magnesium	31.2	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Manganese	2.10	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Potassium	30.3	0.0700		mg/L	1	7/18/2003 11:03:03 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:03:03 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Sodium	88.7	0.0300		mg/L	1	7/18/2003 11:03:03 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:03:03 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Zinc	0.0056	0.0200	J	mg/L	1	7/18/2003 11:03:03 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.164	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Antimony	0.022	0.0250	J	mg/L	1	7/18/2003 11:10:10 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:10:10 AM
Barium	0.0681	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:10:10 AM
Calcium	345	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Copper	0.011	0.0200	J	mg/L	1	7/18/2003 11:10:10 AM
Iron	3.05	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:10:10 AM
Magnesium	27.0	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Manganese	0.752	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Nickel	0.0064	0.0200	J	mg/L	1	7/18/2003 11:10:10 AM
Potassium	22.1	0.0700		mg/L	1	7/18/2003 11:10:10 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:10:10 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Sodium	57.1	0.0300		mg/L	1	7/18/2003 11:10:10 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:10:10 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Zinc	0.0292	0.0200		mg/L	1	7/18/2003 11:10:10 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0573	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:07:52 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:07:52 AM
Barium	0.0656	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:07:52 AM
Calcium	381	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Iron	0.332	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:07:52 AM
Magnesium	29.4	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Manganese	0.814	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Potassium	24.9	0.0700		mg/L	1	7/18/2003 11:07:52 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:07:52 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Sodium	55.4	0.0300		mg/L	1	7/18/2003 11:07:52 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:07:52 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Zinc	0.014	0.0200	J	mg/L	1	7/18/2003 11:07:52 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.253	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Antimony	0.024	0.0250	J	mg/L	1	7/18/2003 11:21:49 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:21:49 AM
Barium	0.214	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:21:49 AM
Calcium	92.8	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Copper	0.0091	0.0200	J	mg/L	1	7/18/2003 11:21:49 AM
Iron	19.3	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Lead	0.010	0.0150	J	mg/L	1	7/18/2003 11:21:49 AM
Magnesium	14.3	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Manganese	2.69	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Nickel	0.0048	0.0200	J	mg/L	1	7/18/2003 11:21:49 AM
Potassium	13.9	0.0700		mg/L	1	7/18/2003 11:21:49 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:21:49 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Sodium	75.9	0.0300		mg/L	1	7/18/2003 11:21:49 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:21:49 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Zinc	0.0422	0.0200		mg/L	1	7/18/2003 11:21:49 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0339	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:19:18 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:19:18 AM
Barium	0.171	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:19:18 AM
Calcium	101	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Iron	1.55	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:19:18 AM
Magnesium	12.3	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Manganese	2.76	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Potassium	14.1	0.0700		mg/L	1	7/18/2003 11:19:18 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:19:18 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Sodium	56.1	0.0300		mg/L	1	7/18/2003 11:19:18 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:19:18 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Zinc	0.012	0.0200	J	mg/L	1	7/18/2003 11:19:18 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.253	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:26:28 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:26:28 AM
Barium	0.137	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:26:28 AM
Calcium	115	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Copper	0.0064	0.0200	J	mg/L	1	7/18/2003 11:26:28 AM
Iron	3.60	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Lead	0.0093	0.0150	J	mg/L	1	7/18/2003 11:26:28 AM
Magnesium	25.3	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Manganese	0.838	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Nickel	0.0091	0.0200	J	mg/L	1	7/18/2003 11:26:28 AM
Potassium	6.20	0.0700		mg/L	1	7/18/2003 11:26:28 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:26:28 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Sodium	29.9	0.0300		mg/L	1	7/18/2003 11:26:28 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:26:28 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Zinc	0.0393	0.0200		mg/L	1	7/18/2003 11:26:28 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0403	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:24:09 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:24:09 AM
Barium	0.142	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:24:09 AM
Calcium	130	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Iron	1.09	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:24:09 AM
Magnesium	28.7	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Manganese	0.924	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Potassium	7.43	0.0700		mg/L	1	7/18/2003 11:24:09 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:24:09 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Sodium	28.7	0.0300		mg/L	1	7/18/2003 11:24:09 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:24:09 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Zinc	0.014	0.0200	J	mg/L	1	7/18/2003 11:24:09 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.139	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:34:08 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:34:08 AM
Barium	0.162	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:34:08 AM
Calcium	158	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Iron	12.2	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:34:08 AM
Magnesium	54.2	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Manganese	0.494	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Potassium	23.4	0.0700		mg/L	1	7/18/2003 11:34:08 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:34:08 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Sodium	77.9	0.0300		mg/L	1	7/18/2003 11:34:08 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:34:08 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Zinc	0.0336	0.0200		mg/L	1	7/18/2003 11:34:08 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0377	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:29:01 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:29:01 AM
Barium	0.143	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:29:01 AM
Calcium	176	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Iron	0.404	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:29:01 AM
Magnesium	60.7	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Manganese	0.476	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Potassium	28.2	0.0700		mg/L	1	7/18/2003 11:29:01 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:29:01 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Sodium	80.2	0.0300		mg/L	1	7/18/2003 11:29:01 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:29:01 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Zinc	0.0049	0.0200	J	mg/L	1	7/18/2003 11:29:01 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.0947	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:39:00 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:39:00 AM
Barium	0.142	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:39:00 AM
Calcium	101	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Copper	0.0076	0.0200	J	mg/L	1	7/18/2003 11:39:00 AM
Iron	3.15	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:39:00 AM
Magnesium	34.1	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Manganese	0.806	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Potassium	17.0	0.0700		mg/L	1	7/18/2003 11:39:00 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:39:00 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Sodium	89.3	0.0300		mg/L	1	7/18/2003 11:39:00 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:39:00 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Zinc	0.0339	0.0200		mg/L	1	7/18/2003 11:39:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0421	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:36:41 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:36:41 AM
Barium	0.141	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:36:41 AM
Calcium	110	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Iron	0.565	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:36:41 AM
Magnesium	37.5	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Manganese	0.851	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Potassium	20.5	0.0700		mg/L	1	7/18/2003 11:36:41 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:36:41 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Sodium	95.6	0.0300		mg/L	1	7/18/2003 11:36:41 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:36:41 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Zinc	0.019	0.0200	J	mg/L	1	7/18/2003 11:36:41 AM

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**				Analyst: **JP**
Aluminum	0.018	0.0200	J	mg/L	1	7/23/2003 2:46:26 PM
Antimony	U	0.0250		mg/L	1	7/23/2003 2:46:26 PM
Arsenic	U	0.0250		mg/L	1	7/23/2003 2:46:26 PM
Barium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Beryllium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Cadmium	U	0.0100		mg/L	1	7/23/2003 2:46:26 PM
Calcium	0.128	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Chromium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Cobalt	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Copper	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Iron	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Lead	U	0.0150		mg/L	1	7/23/2003 2:46:26 PM
Magnesium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Manganese	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Nickel	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Potassium	0.026	0.0700	J	mg/L	1	7/23/2003 2:46:26 PM
Selenium	U	0.0250		mg/L	1	7/23/2003 2:46:26 PM
Silver	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Sodium	0.479	0.0300		mg/L	1	7/23/2003 2:46:26 PM
Thallium	U	0.0150		mg/L	1	7/23/2003 2:46:26 PM
Vanadium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Zinc	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Appendix

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0307061-01B	78.1	59.4						
0307061-02B	70.9	51.2 *						
0307061-03B	78.9	55.4						
0307061-04B	67.6	56.7						
0307061-05B	71.1	57.8						
0307061-06B	79.5	105						
0307061-07B	72.9	62.5						
0307061-08B	76.7	77.4						
0307061-09B	70.6	72.7						
0307061-09BMS	83.0	57.8						
0307061-09BMSD	80.2	56.1						
0307061-10B	87.1	50.4 *						
0307061-11B	130	112						
0307061-12B	94.5	81.7						
0307061-14B	119	85.3						
MSB071803	92.9	53.5 *						
PWB071703	67.8	59.1						
PWB071803	101	75.1						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	53.4-139
XYL2456CLM	=	TCX	55.3-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0307061-01B	62.2	50.2 *						
0307061-02B	56.2	41.1 *						
0307061-03B	70.4	52.5						
0307061-04B	54.7	46.5 *						
0307061-05B	63.8	49.8 *						
0307061-06B	62.4	81.4						
0307061-07B	63.6	54.0						
0307061-07BMS	54.8	27.2 *						
0307061-07BMSD	64.7	40.3 *						
0307061-08B	62.8	63.8						
0307061-09B	55.8	56.5						
0307061-10B	66.9	39.2 *						
0307061-11B	93.1	79.2						
0307061-12B	76.1	65.2						
0307061-14B	96.6	68.4						
MSB071803	68.5	40.3 *						
PWB071703	53.0	50.4 *						
PWB071803	78.4	57.4						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	52-142
XYL2456CLM	=	TCX	52-143

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8260B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0307061-01A	83.1	111	115					
0307061-01A MS	83.5	116	118					
0307061-01A MSD	83.5	114	120					
0307061-02A	79.8	114	116					
0307061-03A	80.9	114	118					
0307061-04A	82.3	109	118					
0307061-05A	79.2	110	118					
0307061-06A	80.8	110	112					
0307061-07A	82.4	113	96.0					
0307061-08A	76.8	112	106					
0307061-09A	81.9	114	121					
0307061-10A	80.4	117	120					
0307061-11A	77.9	112	124 *					
0307061-12A	79.4	111	112					
0307061-13A	78.1	112	102					
0307061-14A	77.0	112	111					
LCS071703	84.5	114	93.3					
VBLK071703	80.4	108	94.5					
VBLK071803B	80.4	112	119					
VBLK072103	82.4	110	109					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	69.2-122
BZMED8	=	Toluene-d8	75-122
DBFM	=	Dibromofluoromethane	85-121

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0307061-01B	77.6	81.1	56.6	73.1	86.7	31.7		
0307061-02B	102	92.8	41.8	74.7	89.0	33.6		
0307061-03B	62.5	76.4	47.8	61.4	79.9	27.5		
0307061-04B	55.8	83.8	44.2	65.8	89.0	29.2		
0307061-05B	66.5	83.6	47.9	72.1	95.6	31.8		
0307061-06B	63.8	83.4	42.5	66.6	82.9	28.2		
0307061-07B	76.4	91.4	55.6	76.9	94.0	33.2		
0307061-08B	70.6	91.6	48.2	74.1	90.9	30.5		
0307061-09B	84.0	91.2	62.2	80.3	90.7	37.2		
0307061-10B	82.2	81.8	60.4	78.0	88.9	36.2		
0307061-11B	74.7	97.5	50.7	77.5	83.7	32.0		
0307061-12B	73.4	93.0	56.5	74.3	87.2	34.1		
0307061-14B	66.8	76.7	46.6	66.2	89.7	28.4		
LCS071703	72.1	63.5	53.2	72.3	82.6	34.0		
LCSD071703	73.0	83.8	56.8	73.4	88.0	31.1		
SWB071703	72.9	72.5	53.5	69.1	80.7	30.4		
SWB071803	74.9	73.2	51.3	76.7	88.0	30.4		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	35.8-128
PH246BR	=	2,4,6-Tribromophenol	17.2-124.3
PH2F	=	2-Fluorophenol	26-112.5
PHEN2F	=	2-Fluorobiphenyl	37.9-119.5
PHEND14	=	4-Terphenyl-d14	33.2-135.5
PHENOLD6	=	Phenol-d6	11.1-103.6

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: *29-Jul-03*

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **PWB071703** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1492** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/18/2003** SeqNo: **26703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.10									
4,4´-DDE	U	0.10									
4,4´-DDT	U	0.10									
Aldrin	U	0.10									
alpha-BHC	U	0.10									
beta-BHC	U	0.10									
Chlordane	U	0.10									
Chlorobenzilate	U	0.10									
DBCP	U	0.10									
delta-BHC	U	0.10									
Dieldrin	U	0.10									
Endosulfan I	U	0.10									
Endosulfan II	U	0.10									
Endosulfan sulfate	U	0.10									
Endrin	U	0.10									
Endrin aldehyde	U	0.10									
Endrin ketone	U	0.10									
gamma-BHC	U	0.10									
Heptachlor	U	0.10									
Heptachlor epoxide	U	0.10									
Hexachlorobenzene	U	0.10									
Hexachlorocyclopentadiene	U	0.10									
Isodrin	U	0.10									
Methoxychlor	U	0.10									
Toxaphene	U	1.0									

Sample ID: **PWB071803** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/21/2003** SeqNo: **26709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **PWB071803** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/21/2003** SeqNo: **26709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.10									
4,4´-DDE	U	0.10									
4,4´-DDT	U	0.10									
Aldrin	U	0.10									
alpha-BHC	U	0.10									
beta-BHC	U	0.10									
Chlordane	U	0.10									
Chlorobenzilate	U	0.10									
DBCP	U	0.10									
delta-BHC	U	0.10									
Dieldrin	U	0.10									
Endosulfan I	U	0.10									
Endosulfan II	U	0.10									
Endosulfan sulfate	U	0.10									
Endrin	U	0.10									
Endrin aldehyde	U	0.10									
Endrin ketone	U	0.10									
gamma-BHC	U	0.10									
Heptachlor	U	0.10									
Heptachlor epoxide	U	0.10									
Hexachlorobenzene	U	0.10									
Hexachlorocyclopentadiene	U	0.10									
Isodrin	U	0.10									
Methoxychlor	U	0.10									
Toxaphene	U	1.0									

Sample ID: **MSB071803** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.487	0.10	0.5	0	97.4	69	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MSB071803** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	0.105	0.10	0.2	0	52.5	66	128	0	0		S
Dieldrin	0.469	0.10	0.5	0	93.8	67	126	0	0		
Endrin	0.502	0.10	0.5	0	100	72	124	0	0		
gamma-BHC	0.183	0.10	0.2	0	91.5	68	122	0	0		
Heptachlor	0.156	0.10	0.2	0	78	64	130	0	0		

Sample ID: **0307061-09BMS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **MW14** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.454	0.10	0.5	0	90.8	69	130	0	0		
Aldrin	0.093	0.10	0.2	0	46.5	66	128	0	0		JS
Dieldrin	0.428	0.10	0.5	0	85.6	67	126	0	0		
Endrin	0.545	0.10	0.5	0	109	72	124	0	0		
gamma-BHC	0.169	0.10	0.2	0	84.5	68	122	0	0		
Heptachlor	0.148	0.10	0.2	0	74	64	130	0	0		

Sample ID: **0307061-09BMSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **MW14** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.488	0.10	0.5	0	97.6	69	130	0.454	7.22	20	
Aldrin	0.097	0.10	0.2	0	48.5	66	128	0.093	0	20	JS
Dieldrin	0.46	0.10	0.5	0	92	67	126	0.428	7.21	20	
Endrin	0.573	0.10	0.5	0	115	72	124	0.545	5.01	20	
gamma-BHC	0.191	0.10	0.2	0	95.5	68	122	0.169	12.2	20	
Heptachlor	0.158	0.10	0.2	0	79	64	130	0.148	6.54	20	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **PWB071703** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **ZZZZZ** Batch ID: **1491** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/18/2003** SeqNo: **26568**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	1.0									
Aroclor 1221	U	1.0									
Aroclor 1232	U	1.0									
Aroclor 1242	U	1.0									
Aroclor 1248	U	1.0									
Aroclor 1254	U	1.0									
Aroclor 1260	U	1.0									

Sample ID: **PWB071803** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **ZZZZZ** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/21/2003** SeqNo: **26574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	1.0									
Aroclor 1221	U	1.0									
Aroclor 1232	U	1.0									
Aroclor 1242	U	1.0									
Aroclor 1248	U	1.0									
Aroclor 1254	U	1.0									
Aroclor 1260	U	1.0									

Sample ID: **MSB071803** SampType: **LCS** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **ZZZZZ** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26587**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.267	1.0	5	0	85.3	59	122	0	0		
Aroclor 1260	3.835	1.0	5	0	76.7	57	121	0	0		

Sample ID: **0307061-07BMS** SampType: **MS** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **MW12** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **0307061-07BMS** SampType: **MS** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **MW12** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.227	1.0	5	0	84.5	59	122	0	0		
Aroclor 1260	4.118	1.0	5	0	82.4	57	121	0	0		

Sample ID: **0307061-07BMSD** SampType: **MSD** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **MW12** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.17	1.0	5	0	83.4	59	122	4.227	1.36	20	
Aroclor 1260	4.108	1.0	5	0	82.2	57	121	4.118	0.243	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071703** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/17/2003** SeqNo: **26213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Chlorophenol	U	5.0	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Methylphenol	U	5.0	0	0	0	0	0	0	0		
2-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
2-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	5.0	0	0	0	0	0	0	0		
3+4-Methylphenol	U	5.0	0	0	0	0	0	0	0		
3-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Chloroaniline	U	5.0	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
Acenaphthene	U	5.0	0	0	0	0	0	0	0		
Acenaphthylene	U	5.0	0	0	0	0	0	0	0		
Aniline	U	5.0	0	0	0	0	0	0	0		
Anthracene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071703** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D (SW3510)** Analysis Date: **7/17/2003** SeqNo: **26213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	5.0	0	0	0	0	0	0	0		
Benzidine	U	5.0	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	5.0	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	5.0	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	5.0	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzoic acid	U	5.0	0	0	0	0	0	0	0		
Benzyl alcohol	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	5.0	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	5.0	0	0	0	0	0	0	0		
Carbazole	U	5.0	0	0	0	0	0	0	0		
Chrysene	U	5.0	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	5.0	0	0	0	0	0	0	0		
Dibenzofuran	U	5.0	0	0	0	0	0	0	0		
Diethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Dimethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	5.0	0	0	0	0	0	0	0		
Fluoranthene	U	5.0	0	0	0	0	0	0	0		
Fluorene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobenzene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	5.0	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	5.0	0	0	0	0	0	0	0		
Hexachloroethane	U	5.0	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	5.0	0	0	0	0	0	0	0		
Isophorone	U	5.0	0	0	0	0	0	0	0		
Naphthalene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071703** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/17/2003** SeqNo: **26213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	5.0	0	0	0	0	0	0	0		
Pentachlorophenol	U	5.0	0	0	0	0	0	0	0		
Phenanthrene	U	5.0	0	0	0	0	0	0	0		
Phenol	U	5.0	0	0	0	0	0	0	0		
Pyrene	U	5.0	0	0	0	0	0	0	0		
Pyridine	U	5.0	0	0	0	0	0	0	0		

Sample ID: **SWB071803** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1509** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/18/2003** SeqNo: **26221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Chlorophenol	U	5.0	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Methylphenol	U	5.0	0	0	0	0	0	0	0		
2-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
2-Nitrophenol	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071803** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1509** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/18/2003** SeqNo: **26221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	5.0	0	0	0	0	0	0	0		
3+4-Methylphenol	U	5.0	0	0	0	0	0	0	0		
3-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Chloroaniline	U	5.0	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
Acenaphthene	U	5.0	0	0	0	0	0	0	0		
Acenaphthylene	U	5.0	0	0	0	0	0	0	0		
Aniline	U	5.0	0	0	0	0	0	0	0		
Anthracene	U	5.0	0	0	0	0	0	0	0		
Azobenzene	U	5.0	0	0	0	0	0	0	0		
Benzidine	U	5.0	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	5.0	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	5.0	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	5.0	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzoic acid	U	5.0	0	0	0	0	0	0	0		
Benzyl alcohol	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	5.0	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	5.0	0	0	0	0	0	0	0		
Carbazole	U	5.0	0	0	0	0	0	0	0		
Chrysene	U	5.0	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071803** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1509** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/18/2003** SeqNo: **26221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	5.0	0	0	0	0	0	0	0		
Diethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Dimethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	5.0	0	0	0	0	0	0	0		
Fluoranthene	U	5.0	0	0	0	0	0	0	0		
Fluorene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobenzene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	5.0	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	5.0	0	0	0	0	0	0	0		
Hexachloroethane	U	5.0	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	5.0	0	0	0	0	0	0	0		
Isophorone	U	5.0	0	0	0	0	0	0	0		
Naphthalene	U	5.0	0	0	0	0	0	0	0		
Nitrobenzene	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	5.0	0	0	0	0	0	0	0		
Pentachlorophenol	U	5.0	0	0	0	0	0	0	0		
Phenanthrene	U	5.0	0	0	0	0	0	0	0		
Phenol	U	5.0	0	0	0	0	0	0	0		
Pyrene	U	5.0	0	0	0	0	0	0	0		
Pyridine	U	5.0	0	0	0	0	0	0	0		

Sample ID: **LCS071703** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/17/2003** SeqNo: **26214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	12.67	5.0	20	0	63.4	53	123	0	0		
1,4-Dichlorobenzene	12.8	5.0	20	0	64	38	136	0	0		
2,4-Dinitrotoluene	9.31	5.0	20	0	46.6	40	119	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **LCS071703** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D (SW3510)** Analysis Date: **7/17/2003** SeqNo: **26214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	14.4	5.0	20	0	72	46	128	0	0		
4-Chloro-3-methylphenol	13.86	5.0	20	0	69.3	30.8	107	0	0		
4-Nitrophenol	4.2	5.0	20	0	21	5	107	0	0		J
Acenaphthene	13.22	5.0	20	0	66.1	52	125	0	0		
N-Nitrosodi-n-propylamine	14.76	5.0	20	0	73.8	35	142	0	0		
Pentachlorophenol	6.85	5.0	20	0	34.3	18	126	0	0		
Phenol	6.45	5.0	20	0	32.2	5	110	0	0		
Pyrene	16.95	5.0	20	0	84.8	42	134	0	0		

Sample ID: **LCSD071703** SampType: **LCSD** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D (SW3510)** Analysis Date: **7/17/2003** SeqNo: **26215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	12.72	5.0	20	0	63.6	53	123	0	0		
1,4-Dichlorobenzene	11.3	5.0	20	0	56.5	38	136	0	0		
2,4-Dinitrotoluene	9.2	5.0	20	0	46	40	119	0	0		
2-Chlorophenol	12.99	5.0	20	0	65	46	128	0	0		
4-Chloro-3-methylphenol	14.44	5.0	20	0	72.2	30.8	107	0	0		
4-Nitrophenol	4.22	5.0	20	0	21.1	5	107	0	0		J
Acenaphthene	13.19	5.0	20	0	66	52	125	0	0		
N-Nitrosodi-n-propylamine	13.37	5.0	20	0	66.8	35	142	0	0		
Pentachlorophenol	4.54	5.0	20	0	22.7	18	126	0	0		J
Phenol	6.63	5.0	20	0	33.2	5	110	0	0		
Pyrene	17.33	5.0	20	0	86.7	42	134	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071703** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	1.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	1.0									
Acetone	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071703** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	U	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071703** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	1.0									
n-Butyl acetate	U	1.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	1.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									

Sample ID: **VBLK071803B** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/19/2003** SeqNo: **26105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071803B** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/19/2003** SeqNo: **26105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	1.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	1.0									
Acetone	U	1.0									
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071803B** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/19/2003** SeqNo: **26105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	1.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071803B** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/19/2003** SeqNo: **26105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	1.0									
Toluene	19.46	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									

Sample ID: **VBLK072103** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/21/2003** SeqNo: **26117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK072103** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/21/2003** SeqNo: **26117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	1.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	1.0									
Acetone	U	1.0									
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK072103** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/21/2003** SeqNo: **26117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	1.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									
tert-Butylbenzene	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK072103** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/21/2003** SeqNo: **26117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	U	1.0									
Toluene	29.16	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									

Sample ID: **LCS071703** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	56	1.0	50	0	112	64.1	129	0	0		
Benzene	58.88	1.0	50	0	118	60.3	135	0	0		
Chlorobenzene	51.5	1.0	50	0	103	75.1	136	0	0		
Toluene	54.54	1.0	50	29.16	50.8	69	129	0	0		S
Trichloroethene	51.35	1.0	50	0	103	65.6	131	0	0		

Sample ID: **0307061-01A MS** SampType: **MS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **MW6** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26101**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	50.54	1.0	50	0	101	64.1	129	0	0		
Benzene	57.04	1.0	50	0	114	60.3	135	0	0		
Chlorobenzene	52.69	1.0	50	0	105	75.1	136	0	0		
Toluene	53.96	1.0	50	0	108	69	129	0	0		
Trichloroethene	51.84	1.0	50	0	104	65.6	131	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **0307061-01A MSD** SampType: **MSD** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **MW6** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26102**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	47.85	1.0	50	0	95.7	64.1	129	50.54	5.47	20	
Benzene	55.09	1.0	50	0	110	60.3	135	57.04	3.48	20	
Chlorobenzene	51.16	1.0	50	0	102	75.1	136	52.69	2.95	20	
Toluene	51.79	1.0	50	0	104	69	129	53.96	4.10	20	
Trichloroethene	49.61	1.0	50	0	99.2	65.6	131	51.84	4.40	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_W

Sample ID: **MB072303C** SampType: **MBLK** TestCode: **ICP_TAL_W** Units: **mg/L** Prep Date: Run ID: **ICP A_030723B**
Client ID: **ZZZZZ** Batch ID: **R3336** TestNo: **SW6010B** Analysis Date: **7/23/2003** SeqNo: **26470**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0250									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0200									
Chromium	U	0.0200									
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.0700									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Bureau of Engineering
Design & Construction

Capital Project No. WP-283

Newtown Creek Water Pollution Control Project Upgrading of Facilities

ENVIRONMENTAL DESIGN REPORT – MATERIALS INVESTIGATIONS AT THE EAST RIVER SLUDGE STORAGE TANK AND NEW SLUDGE FORCE MAIN ROUTE

April 2007

GREELEY AND HANSEN + HAZEN AND SAWYER + MALCOLM PIRNIE
A Joint Venture

NEWTOWN CREEK WATER POLLUTION CONTROL PROJECT
UPGRADING OF FACILITIES

ENVIRONMENTAL DESIGN REPORT:

MATERIALS INVESTIGATIONS AT THE EAST RIVER SLUDGE STORAGE TANK AND NEW SLUDGE FORCE MAIN ROUTE

Prepared For:

NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL ENGINEERING

Capital Project No. WP-283

April 2007

ENVIRONMENTAL DESIGN REPORT
April 2007

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LIST OF ACRONYMS

ACM	Asbestos-containing Material
ACBM	Asbestos-containing Building Material
ATSDR	Agency for Toxic Substances and Disease Registry
CGI	Combustible Gas Indicator
C&D	Construction and Demolition
DRO	Diesel Range Organics
ELAP	Environmental Laboratory Approval Program
EPA	Environmental Protection Agency
GRO	Gasoline Range Organics
HASP	Health and Safety Plan
HUD	Housing and Urban Development
IDW	Investigation Derived Waste
JV	Joint Venture
MPI	Malcolm Pirnie, Inc.
MRCE	Mueser Rutledge Consulting Engineers
NESHAP	National Emission Standards for Hazardous Air Pollutants
NIST	National Institute of Standards and Technology
NOB	Non-friable Organically Bound
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
OD	Outside Diameter
PAH	Polycyclic Aromatic Hydrocarbons
PID	Photo Ionization Detector
PCB	Polychlorinated Bi-phenyls
PPE	Personal Protective Equipment
PLM	Polarized Light Microscopy
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
STARS	Spill Technology and Remediation Series
SRM	Standard Reference Material
SVOC	Semi-Volatile Organic Contaminant
TAGM	Technical Administrative Guidance Memorandum
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TDH	Total Dynamic Head
TEM	Transmission Electron Microscopy
TPH	Total Petroleum Hydrocarbons
TSCA	Toxic Substances Control Act
ULURP	Uniform Land Use Review Procedure
UST	Underground Storage Tank
VOC	Volatile Organic Contaminant
WPCP	Water Pollution Control Plant
XRF	X-Ray Fluorescence

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EXECUTIVE SUMMARY

The Newtown Creek Water Pollution Control Plant (WPCP) is being upgraded to meet the wastewater treatment standards of the Clean Water Act pursuant to a 1995 modified judgement on consent between the City of New York and the State of New York. The facility currently occupies a 36-acre site in the heavily industrialized Greenpoint area of Brooklyn. Facility upgrading will require construction of additional wastewater treatment facilities to provide secondary treatment and nitrogen removal, and improve the plant's ability to handle combined sanitary and storm flows in wet weather (EIS NYCDEP, 1996).

For the upgrade, sludge will be barged directly from Newtown Creek WPCP via a new sludge loading dock located at the DSNY Greenpoint Marine Transfer Station (MTS) Site.

Additional elements, under Contract NC-50, include construction of a new double Sludge Force Main, purchase of a new sludge barge and tug or transport vessel, and off-site demolition of the East River Sludge Storage Tank.

Proposed construction of these elements will require demolition of buildings and structures, and excavation and disposal of on-site soils in various areas. Hazardous materials located within these buildings will be identified and mitigated prior to demolition or disturbance of existing structures in accordance with Federal, State, and local regulations. Additionally, chemical compounds present in the subsurface at these sites may result in special disposal requirements for excavated soils. The Environmental Design Report will evaluate the potential environmental concerns associated with the presence of hazardous materials including:

- Asbestos-containing Materials
- Lead-containing Materials, e.g., lead-based paint
- PCBs in Paint
- Contaminated Soil

During the Asbestos Survey of the East River Sludge Storage Tank, asbestos-containing bulk material identified included Millboard Pipe Insulation - approximately 100 square feet. According to EPA/NESHAP and New York State regulations, all friable and non-friable asbestos containing material (ACM) that might become friable must be removed prior to any demolition and/or renovation activity that may disturb ACM or preclude access to the ACM for subsequent removal.

During the Lead Survey of the East River Sludge Storage Tank, a total of 44 XRF readings were collected with 7 readings indicating the presence of lead-based paint at or above the 0.5 percent by weight (or 1.0 milligram per square centimeter) classification level. This action level is established by the Department of Housing and Urban Development (HUD) in Chapter 7 of the *HUD Guidelines for the Evaluation and Control*

of Lead-based Paint Hazards in Housing (1997 Revision). All XRF shots that tested positive for lead (greater than or equal to the Department of Housing and Urban Development (HUD) action level of 1.0 mg/cm^2) were located in the Pump Room. These positive components included the following: a metal motor, a metal pump, metal piping (including an 18" pipe), an 18" metal valve, and a metal pipe support.

During the Lead Survey of the DSNY Greenpoint MTS Site, a total of four paint chip samples were collected and analyzed for lead with lead being detected in all four samples. Results ranged from 70.8 to 13,700 mg/kg. According to HUD, lead-based paint is present if lead levels exceed 5,000 mg/kg. One sample, collected from an orange cleat, exceeded the HUD standard.

During the PCB-In-Paint Survey of the East River Sludge Storage Tank, a total of nine paint chip samples were collected and analyzed for PCBs. PCBs were detected in all nine samples and there was one exceedance of Toxic Substances Control Act (TSCA) standards (50 mg/kg). This exceedance (120.0 mg/kg) was sampled from the light blue metal door casing in the storage room.

During the PCB-In-Paint Survey of the DSNY Greenpoint MTS Site, a total of four paint chips were collected from railings, piping, and cleats along Whale Creek Canal. PCBs were detected but did not exceed HUD standards. Ten paint chip samples were collected from the MTS building, and were positive for PCBs; however, the HUD standard was not exceeded.

During the geoprobe soil investigation at the East River Sludge Storage Tank, a total of four discrete samples and four composite samples were collected. Samples were analyzed for TCLP VOCs, SVOCs, and metals. There were no exceedences of the RCRA TCLP limits in any of the samples.

In 1997, a 1,000-gallon capacity No. 2 fuel oil UST, located southeast of the East River Sludge Storage Tank, was abandoned in place by filling with sand in accordance with all New York City Fire Department regulations. All associated tank piping was removed. Visible signs of petroleum contamination or odor were not observed during tank closure proceedings.

Soil samples collected at the East River Sludge Loading Dock and along the lumbar yard easement contained SVOCs at levels that exceeded the concentration limits in TAGM and STARS. DRO and GRO were also detected; however, there are no cleanup criteria for either of these compounds. Test pit samples collected at the East River Sludge Loading Dock contained SVOCs at levels that exceeded the concentration limits in TAGM and STARS. These soils, when excavated, would be classified as non-hazardous industrial waste or non-hazardous petroleum-contaminated waste.

Soil samples collected at the DSNY Greenpoint MTS Site, along Whale Creek Canal, contained Metals at levels that exceeded the concentration limits in TAGM. DRO was also detected. SVOCs were detected at levels below TAGM. VOCs were non-detect.

These soils, when excavated, would be classified as non-hazardous industrial waste or non-hazardous petroleum-contaminated waste.

Dust suppression activities should be implemented during construction to reduce inhalation risks. Site workers should be directed to use gloves and appropriate PPE such as coveralls to reduce dermal contact risks. Planned excavations should be continuously monitored for hazardous atmospheres.

In general, the Contractor is responsible for controlling visible dust caused by work operations and the moving of vehicles and equipment. The Contractor will implement dust control when soils are exposed, before, during, and after the work activity ceases. The Contractor's air monitoring operations and dust minimization activities will be in accordance with his site-specific health and safety plan (HASP). All contract work involving lead and/or PCBs shall be performed to minimize the creation of airborne dust; minimize the quantity of hazardous waste generated; protect the health and welfare of all site personnel and the public; and avoid adverse environmental impacts.

The Contractor shall control and minimize noise caused by operation and movement of vehicles and equipment to the greatest degree practicable. Noise levels shall conform to the latest OSHA standards, and all other applicable Federal, State and local regulations.

1.0 INTRODUCTION

1.1 REPORT STRUCTURE

This Environmental Design Report presents the East River Sludge Storage Tank site history, results of field investigations performed at the East River Sludge Storage Tank in 2000, results of field investigations performed along the new Sludge Force Main Route in 2006, including laboratory analyses, and conclusions and recommendations regarding Plant Upgrading demolition and construction activities. The report is structured as follows:

- Section 1, Introduction, provides project background information and a description of the work.
- Section 2, Site Description, presents site locations, histories, and a description of existing facilities at the sites.
- Section 3, Surveying and Sampling, describes the methods used to sample potential lead-containing paint, potential PCB-containing paint, potential asbestos-containing material (ACM), and soil. The number of samples collected and field observations are also discussed in this section.
- Section 4, Analytical Results and Findings, describes the results of paint, potential ACM and soil sample analyses.
- Section 5, Hazardous Materials Impacts to Construction Activities, evaluates findings and presents recommendations for potential remediation measures during demolition and construction activities.

1.2 PROJECT BACKGROUND

As part of the resolution for the approval of the Uniform Land Use Review Procedure (ULURP) process undertaken for land acquisition and usage, NYCDEP will demolish the East River Sludge Storage Tank. With the demolition of the tank and the expected increase in sludge production due to implementation of the upgraded treatment processes, the existing 18-inch force main from the Newtown Creek WPCP to the East River Sludge Loading Dock will not be capable of handling the sludge load. Sludge will be barged directly from Newtown Creek WPCP via a new sludge loading dock located at the DSNY Greenpoint Marine Transfer Station (MTS) Site.

Additional elements for the Newtown Creek Water Pollution Control Plant (WPCP) Upgrade, under Contract NC-50, include construction of a new double Sludge Force Main, and purchase of a new sludge barge and tug or transport vessel.

1.3 PROJECT STRUCTURE

An assessment of environmental concerns related to construction activities was initiated, specifically lead-containing paint, PCB-containing paint, asbestos, and potentially contaminated soils. The purpose of the assessment is to provide information regarding potential environmental concerns associated with construction and/or demolition activities for inclusion in the contract documents for the contractor's information and appropriate response. Results of the investigations are presented in this report and are used to conduct a preliminary evaluation of measures for worker safety during construction and/or demolition, and disposal options for demolition debris and excavated material.

2.0 SITE DESCRIPTION AND BACKGROUND

2.1 LOCATION

The East River Sludge Storage Tank is located approximately half a mile west of the Newtown Creek WPCP at the intersection of Dupont Street, Commercial Street, and West Street. The East River Sludge Loading Dock is located directly west of the Sludge Storage Tank along the East River and adjacent to the mouth of Newtown Creek where it flows into the East River. . The locations of these existing structures are shown in Figure 2-1. The new Sludge Force Main, at the DSNY Greenpoint MTS site, is located adjacent to the Newtown Creek WPCP along Whale Creek Canal and Newtown Creek.

2.2 SITE HISTORY

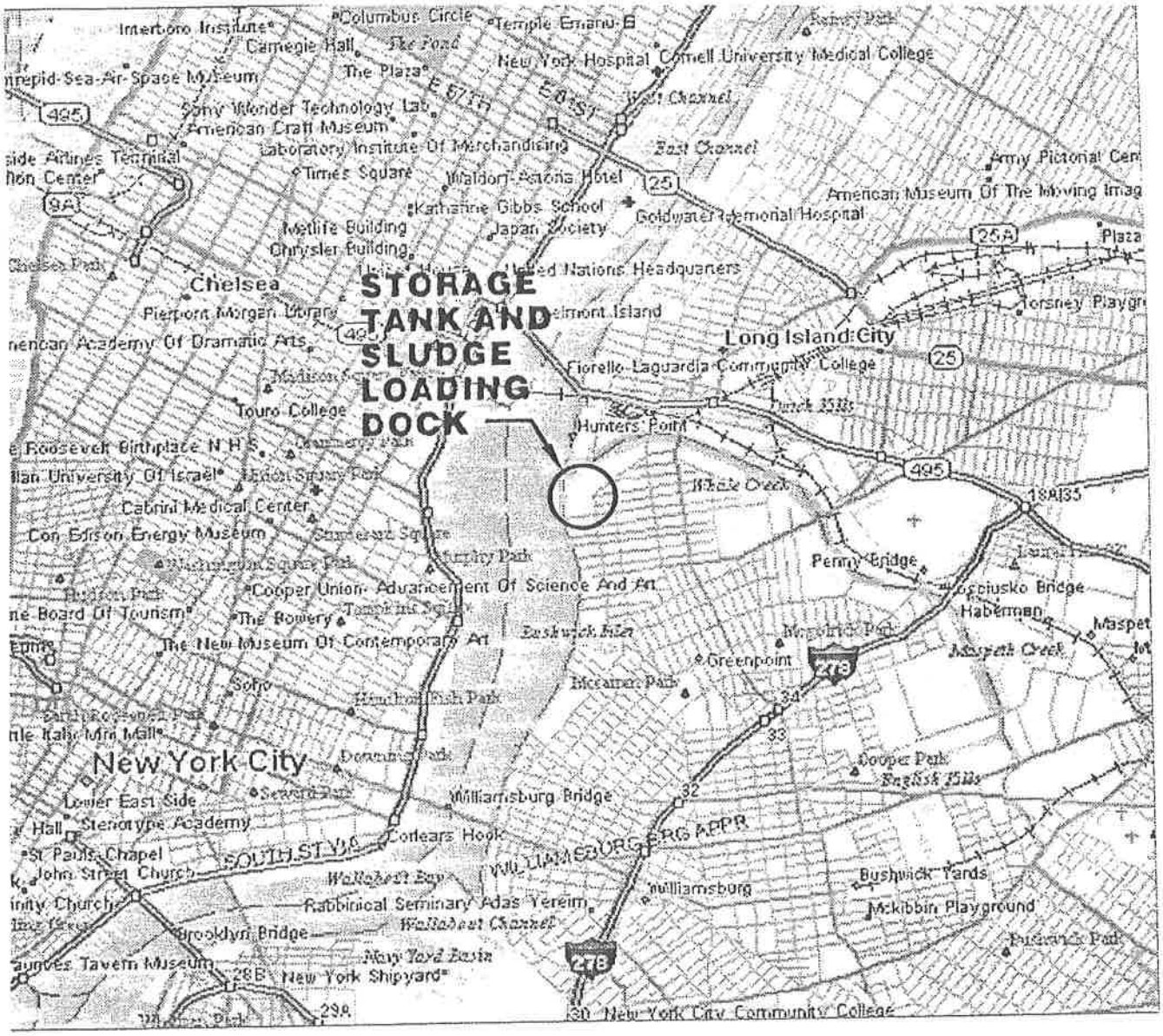
2.2.1 East River Sludge Storage Tank

As shown in Figure 2-1, the East River Sludge Storage Tank is located approximately three quarters of a mile west of the Newtown Creek WPCP at the intersection of Dupont Street, Commercial Street, and West Street on a 90-by-100 foot fenced-in site. The height of the concrete tank is approximately 60 feet above grade, and the tank has a storage capacity of approximately 800,000 gallons, with a diameter of 80 feet. An enclosed area directly beneath the tank bottom is used to house the sludge pump, piping, valving, miscellaneous support equipment, electrical equipment storage rooms, and an area for maintenance.

2.2.2 East River Sludge Loading Dock

The East River Sludge Loading Dock is used to moor sludge vessels that receive sludge from the Newtown Creek WPCP. Sludge from the Newtown Creek WPCP is pumped from the plant to the vessel loading facility at the dock through the existing 18-inch diameter sludge force main. The existing 18-inch force main leaves the Newtown Creek WPCP on the northwest plant boundary, at the corner of Provost and Green Streets. The force main then travels north on Provost Street to Freeman Street; west on Freeman Street to Franklin Street; north on Franklin Street to Dupont Street; and west on Dupont Street to the East River Sludge Storage Tank. From the tank, an 18-inch gravity line runs west-northwest to the East River Sludge Loading Dock (via a permanent easement through the lumberyard. Vessels transport the sludge to a dewatering plant at the Hunts Point WPCP for processing.

The East River Sludge Loading Dock was constructed in 1966 and is approximately 20 feet wide by 730 feet long. The dock is a concrete structure with a steel and timber fendering system for berthing the transport vessels. The northern 266 feet and the southern 240 feet sections of the dock are relieving platforms with concrete deck on corrugated steel deck. The middle 225 feet section of the dock consists of a tremie-filled



NOTE:

BASE MAP INFORMATION BASED ON DELORME STREET ATLAS 7.0 COMPUTER PROGRAM.

GREELEY AND HANSEN ◆ HAZEN AND SAWYER ◆ MALCOLM PIRNIE	DEP	CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF ENVIRONMENTAL ENGINEERING WP-283 NEWTOWN CREEK WPCP UPGRADING OF FACILITIES	STORAGE TANK AND SLUDGE LOADING DOCK SITE LOCATION PLAN SCALE: 1"=4,000'	MARCH, 2001 FIGURE 2-1

area of concrete from top of dock to mudline. The top 3.25 feet of the piles are encased in concrete. A retractable fender system is provided for the entire length of the dock.

As part of the Newtown Creek WPCP upgrade program, the structural condition of the dock was investigated in December 1996. The investigation revealed that the dock requires significant structural rehabilitation to maintain a service life consistent with the upgraded Newtown Creek WPCP.

The East River Sludge Loading Dock is located on property owned by the New York City Department of Business. However, the property has been leased to a private lumber exchange terminal on a long-term business agreement. Permanent easements on the property include the area occupied by the dock and an access corridor to the dock from the Sludge Storage Tank and the nearest city street.

2.2.3 Newtown Creek Sludge Loading Facility

The DEP is proposing to construct a new sludge loading facility on the DSNY Greenpoint MTS site along Whale Creek Canal. The DSNY Greenpoint MTS site, which includes an MTS facility that was used as a marine solid waste management facility and a storage building, is currently inactive. The DSNY Greenpoint storage building is used as a storage facility.

With the approval of DSNY's New York City Comprehensive Solid Waste Management Plan (SWMP) in July 2006, DSNY no longer requires the Greenpoint MTS facility for marine solid waste management and transport. As a result, DSNY has released the use of the MTS site for DEP use. DEP would utilize the MTS building for boat storage and office space and the waterfront periphery of the site for development of the proposed sludge loading facility and access roads.

The proposed sludge loading facility would include a new sludge loading dock and new sludge force mains adjacent to the DSNY Greenpoint MTS site along Whale Creek Canal. The proposed sludge loading facility along Whale Creek Canal would service the Newtown Creek WPCP and would be referred to as the Newtown Creek sludge loading facility. The proposed Newtown Creek sludge loading facility would enable sludge to be pumped from the existing sludge storage tanks at Newtown Creek WPCP to the proposed Newtown Creek sludge loading facility for marine transport by barge to the dewatering facility at Wards Island WPCP.

2.3 INVENTORY OF POTENTIAL AREAS OF CONCERN

Potential areas of concern at these sites include the following:

- Asbestos-containing Material
- Lead-containing Paint
- PCB-containing Paint

- Soil Contamination
- UST

3.0 SURVEYING AND SAMPLING

3.1 ASBESTOS SURVEY AND SAMPLING

3.1.1 East River Sludge Storage Tank

An asbestos survey subcontractor, Donohoe Environmental, Inc., conducted an asbestos survey at the East River Sludge Storage Tank. This survey was performed in June 2000.

The survey was performed according to the Environmental Protection Agency recommended procedures found in EPA 560/5-85-024, NYS Industrial Code Rule 56-1.9 (a-e), and NYC Title 15. These procedures call for the visual inspection of the building for suspect ACM and analysis of representative samples of such materials. In addition to the required visual inspection at the East River Sludge Storage Tank, fiberglass insulated systems were penetrated to determine the substrate in several locations.

All accessible areas were inspected for three basic types of asbestos used in building materials:

- **Surfacing Material** that is sprayed-on, troweled on or otherwise applied to surfaces, such as acoustical plaster on ceilings, fireproofing materials on structural members, or other materials for acoustical, fireproofing or decorative purposes.
- **Thermal System Insulation** applied to pipes, fittings, boilers, breaching, tanks, ducts, or other structural components to prevent heat loss or gain, water condensation, or for other purposes.
- **Miscellaneous ACBM** means building materials on structural components, structural members or fixtures such as floor and ceiling tile, transite wall panels, transite pipe, roofing shingles, roof flashing and many other materials that are exclusive of surfacing or thermal insulation.

With the exception of the fiberglass insulated systems at the East River Sludge Storage Tank, only exposed materials have been sampled and identified. There is a possibility that ACBM is still located within walls, floors, ceilings, and utility chases that were not visible or accessible. In most cases, materials were assumed to be present (i.e., Aircell pipe in pipe chases) when it was not visible or visible on only one floor.

Survey information was collected by means of visual inspection, interviews, sample collection, and sample analysis. A total of 3 samples were collected for asbestos analysis at the East River Sludge Storage Tank.

3.1.1.1 Methodology

Samples were collected using the following protocol:

1. Prior to sampling, the inspectors inventoried suspect ACM and recorded the location, description, and quantity of suspect materials.
2. Suspect materials were then grouped according to functional spaces (spatially distinct units within a building, i.e., an office or a corridor) and homogenous sampling areas (ACM which is uniform in texture and color and appears identical) to determine sample locations and quantity.
3. In general, a minimum of three samples (full depth core samples) were collected for each suspect material identified. However, depending on the size of the sampling area and the inspector's discretion, up to 9 samples may be collected from each functional space/sampling area.

Samples were analyzed using polarized light microscopy (PLM) in accordance with EPA Method 40 CFR 763, subpart F, App A. This is the recommended EPA method for determining the presence of asbestos in building materials, such as pipe and boiler insulation, acoustical coatings, spray-on fireproofing, plasters, ceiling tiles, and floor tiles. The PLM procedure involves taking a small amount of the suspect material, isolating the fibers present, and identifying them based on the crystalline properties observed. In addition, non-asbestos fibrous materials can also be identified including glass, mineral wool, cellulose, gypsum, and synthetic fibers. The results of the analysis are reported as a percentage of the total sample. The PLM method is sensitive to concentrations of asbestos down to 1%.

Non-friable, organically bound (NOB) material (floor tiles, roofing, mastic flashing) determined to be negative for asbestos by PLM analysis are considered positive by the NYS Environmental Laboratory Approval Program until proven negative by transmission electron microscopy (TEM) – (NYS ELAP Protocols 198.1/198.4). Therefore, TEM analysis was performed on all NOB materials where no asbestos was detected using PLM. The method of analysis is AHERA Method 40 CFR Part 763, May 30, 1987.

3.2 LEAD-BASED PAINT SURVEY AND SAMPLING

3.2.1 East River Sludge Storage Tank

A lead-based paint survey was conducted at the East River Sludge Storage Tank in June 2000 by Mandell Lead Inspectors, Inc. to evaluate the presence of lead-based paint on structures and components. The results of the lead-based paint survey can be used to determine where demolition activities will require compliance with OSHA's Lead in Construction Standard, and are also pertinent to

the selection of an appropriate disposal site for demolition debris with painted surfaces.

The survey included all accessible areas, but did not include those areas where exploratory demolition would have been needed, such as within walls, soffits and enclosures. Therefore, this inspection does not guarantee that all painted surfaces within the facility were tested for lead paint, and it should not be used as a specification for abatement.

An X-Ray Fluorescence (XRF) Lead-in-Paint detector was used as a lead-based paint-screening tool. No paint chip samples were taken due to the fact that none of the XRF readings were inconclusive.

3.2.1.1 Methodology

3.2.1.1.1 XRF

The XRF screening was performed by Mandell Lead Inspectors, Inc. and was used to delineate painted areas that contain lead at concentrations greater than the NYC Health Code and Department of Housing and Urban Development (HUD) action level of 1.0 mg/cm^2. The survey was conducted on painted surfaces (walls, ceilings, doors, doorframes, railings, etc.) including those that are stained, shellacked, varnished, or coated to assess existing conditions.

Each XRF measurement consisted of one reading made on the painted surface at each test location. Before beginning the testing, the recommended nominal open-shutter time (or nominal time) was determined. Based on the 1997 revision of the Department of Housing and Urban Development (HUD) guidelines, one XRF reading was taken at each testing combination. This reading was taken according to the manufacturer's instructions.

The following standard operating procedure was used for the survey:

1. Prior to the beginning of testing, the XRF instrument manufacturer's recommended warm-up and quality control procedures were followed and quality control readings (i.e., calibration checks) were taken.
2. A set of three nominal-time calibration check readings were taken before testing began, every four hours thereafter, and at the end of the testing. The calibration check reading averages should not differ from the Standard Reference Material (SRM) paint film, or equivalent, developed by the National Institute of Standards and Technology (NIST) by more than the calibration check tolerance specified by the manufacturer for the specific instrument used.
3. The results were recorded on a Calibration Check Form.
4. The average of the three calibration check readings was computed and recorded. Note: If the initial calibration readings fall outside the

specifications, testing shall not begin until the instrument is fixed and the calibration check reading averages fall within the calibration check tolerance range. For an instrument that fails a continuing calibration check, all readings taken since the last successful calibration check shall be repeated.

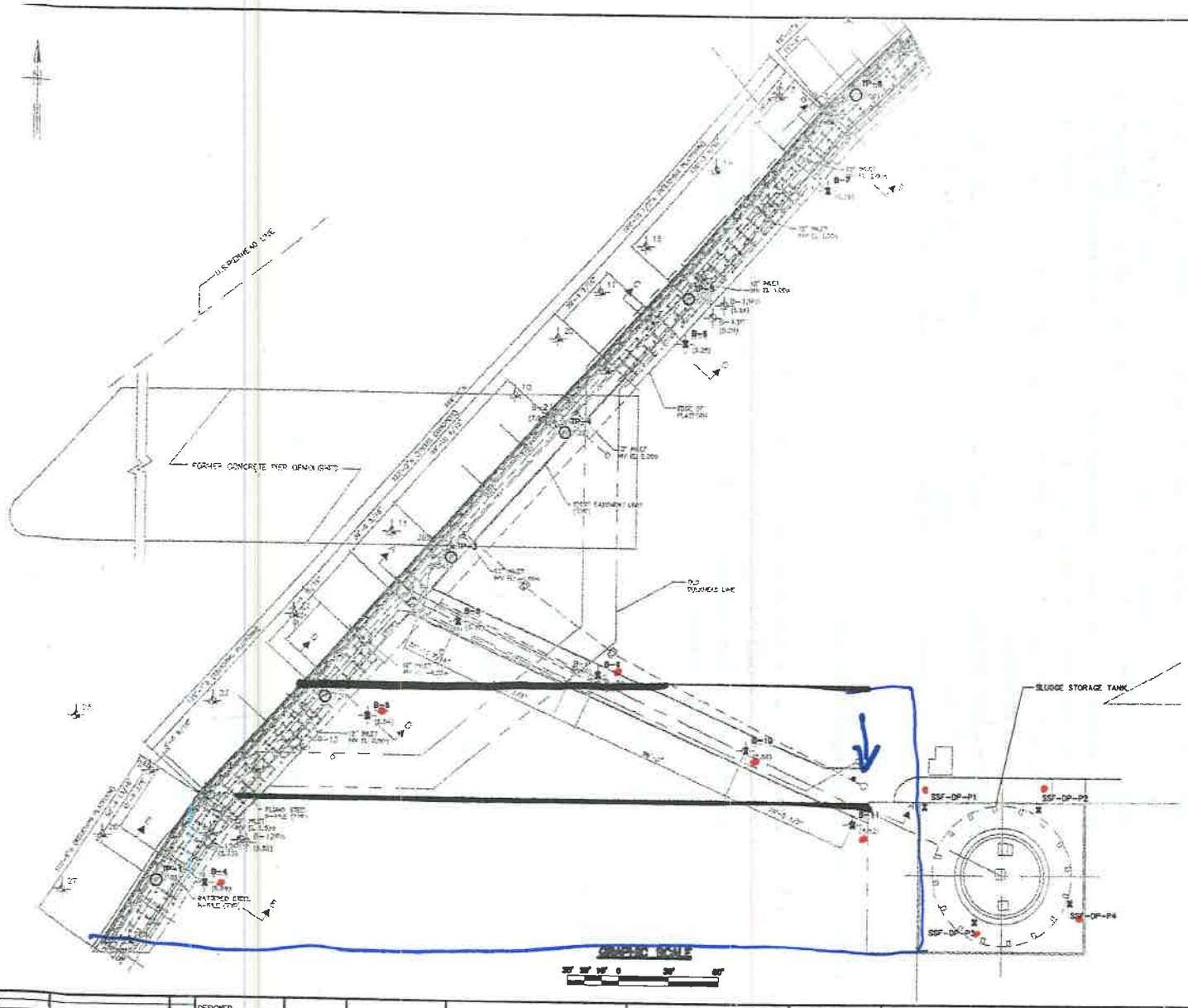
5. The XRF probe faceplate was pressed flat against the surface of the test location.
6. Each location was marked on the environmental drawings and recorded in a logbook. Test locations were not selected in areas where the paint was thickest or thinnest (e.g., in corners, where there are obvious depressions in the painted surface, where paint has obviously been scraped in the past, or where the paint is thin or worn). Mandell Lead Inspectors, Inc. coordinated with Joint Venture (JV) field oversight staff in selecting paint surfaces to be tested.
7. Mandell Lead Inspectors, Inc. indicated components that could not be tested with the XRF or that had inconclusive XRF results to JV field oversight staff (Note: no inconclusive readings were obtained during the survey).

3.2.2 DSNY Greenpoint MTS Site

A lead-based paint survey was also conducted at the DSNY property in November 2006. The survey included railings, piping and cleats along Whale Creek Canal, on the western side of the property. A total of four paint chip samples were collected and analyzed for lead.

3.2.2.1 Methodology

1. Sampling locations are chosen based on a visible inspection of the area. In general, only paints that cover a substantial square footage of wall/floor/component space are sampled. The Malcolm Pirnie field team determines which painted surfaces should be sampled.
2. A paint scraper (with a disposable blade) is used to remove all layers of paint down to the substrate at each selected sample location. The paint chips are collected on clean sheets of aluminum foil, which are used to transfer the chips into laboratory-certified, pre-cleaned, glass sample containers.
3. Each time a sample is collected, a new piece of aluminum foil and a new pair of disposable nitrile gloves are used to prevent cross-contamination. In addition, a new paint scraper blade is used at each sample location.
4. Each sample container is labeled with a unique sample number, and all pertinent data (*e.g.*, substrate, component, and sample location) is recorded in a field logbook and on drawings.
5. Paint chip samples are analyzed for total lead (EPA test method SW846-6010B).



LEGEND

B-6 ENVIRONMENTAL BORING LOCATION

TP-2 TEST PIT LOCATION

NOTE:
BACKGROUND INFORMATION TAKEN FROM FINAL GEOTECHNICAL DATA REPORT – CONTRACT 33, EAST RIVER SLUDGE LOADING DOCK, BROOKLYN, NEW YORK BY MUESER RUTLEDGE CONSULTING ENGINEERS, DECEMBER 2000.

NO.	DATE	ISSUED FOR	BY

DESIGNED ____
DRAWN ____
CHECKED ____
PROJ. ENGR. ____

SCALE

GREELEY AND HANSEN
&
HAZEN AND SAWYER
&
MALCOLM PIRNIE

APPROVED FOR THE CITY OF NEW YORK
____ P.E.
PROJECT MANAGER
____ P.E.
CHIEF, FACILITIES DESIGN – SOUTH

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL ENGINEERING
WP-283 NEWTOWN CREEK WPCP
UPGRADING OF FACILITIES

ENVIRONMENTAL BORING MAP FOR
LOADING DOCK,
STORAGE TANK TEST PITS
SCALE: 1"=30'-0"

DATE: MARCH, 2001
DWG. NO.: FIGURE 3-1
SHEET NO.: ____ OF ____
FILE NAME:

TABLE 3-2
NEWTOWN CREEK WPCP UPGRADE
EAST RIVER SLUDGE LOADING DOCK ENVIRONMENTAL BORING PROGRAM

Boring No.	Total Depth	Boring Location	No. of Samples		Composite Sampling Intervals	Discrete Sampling
			Composite	Discrete		
B-4	63	15-20 feet from Dock	2	1	0-10,10-25	10-15
B-5	65	15-20 feet from Dock	2	1	0-10,10-25	0-5
B-6	60.5	15-20 feet from Dock	2	1	0-10,10-25	10-15
B-7	67.5	15-20 feet from Dock	2	1	0-10,10-25	5-10
B-8	55	Along Sludge Line Easemen	2	1	0-10,10-25	15-20
B-9	73	Along Sludge Line Easemen	2	1	0-10,10-25	5-10
B-10	60	Along Sludge Line Easemen	2	1	0-10,10-25	5-10
B-11	59	Along Sludge Line Easemen	2	1	0-10,10-25	10-15

Notes:
1. A total of 16 Composite Samples were collected.

2. A total of 8 Discrete Samples were collected.

3.2.3 Marine Transfer Station

At the Marine Transfer Station (MTS) located on the DSNY property, one bulk sample was collected and sampled for TCLP VOCs, SVOCs, Metals, PCBs and RCRA Characteristics. The material sampled was glazed yellow ceramic block.

3.3 PCB-IN-PAINT SURVEY AND SAMPLING

3.3.1 East River Sludge Storage Tank

A PCB in paint survey was conducted at the Sludge Storage Tank in October 2006 to evaluate the presence of PCBs in paint. The survey included all accessible areas, but did not include those areas where exploratory demolition would have been needed, such as within walls, soffits, and enclosures. A total of nine paint chips were collected and analyzed for PCBs.

3.3.1.1 Methology

1. Sampling locations are chosen based on a visible inspection of the area. In general, only paints that cover a substantial square footage of wall/floor/component space are sampled. The Malcolm Pirnie field team determines which painted surfaces should be sampled.
2. A paint scraper (with a disposable blade) is used to remove all layers of paint down to the substrate at each selected sample location. The paint chips are collected on clean sheets of aluminum foil, which are used to transfer the chips into laboratory-certified, pre-cleaned, glass sample containers.
3. Each time a sample is collected, a new piece of aluminum foil and a new pair of disposable nitrile gloves are used to prevent cross-contamination. In addition, a new paint scraper blade is used at each sample location.
4. Each sample container is labeled with a unique sample number, and all pertinent data (*e.g.*, substrate, component, and sample location) is recorded in a field logbook and on drawings.
5. Paint chip samples are analyzed for total PCBs (EPA test method SW846-8082).

3.3.2 DSNY Greenpoint MTS Site

A PCB in paint survey was conducted at the DSNY property in November 2006. The survey included railings, piping, and cleats along Whale Creek Canal, on the western side of the property. A total of four paint chip samples were collected and analyzed for PCBs.

TABLE 3-1
NEWTOWN CREEK WPCP UPGRADE
EAST RIVER SLUDGE STORAGE TANK ENVIRONMENTAL GEOPROBE PROGRAM

Boring No.	Total Depth	Boring Location	No. of Samples		Composite Sampling Intervals	Discrete Sampling
			Composite	Discrete		
DP-P1	12	Southwest side of Tank	1	1	0-12	4-8
DP-P2	16	Northwest side of Tank	1	1	0-16	4-8
DP-P3	12	Northeast side of Tank	1	1	0-12	4-8
DP-P4	9	Southeast side of Tank	1	1	0-9	8-9

3.3.3 Marine Transfer Station

A PCB in paint survey was conducted at the MTS located on the DSNY property in December 2006. A total of ten paint chips were collected and sampled for PCBs. Materials sampled include red concrete columns, gray metal walls and beams, gray concrete walls, red metal railings and stair risers, red piping and a yellow metal cleat

3.4 ENVIRONMENTAL SUBSURFACE INVESTIGATION

3.4.1 East River Sludge Storage Tank

3.4.1.1 Geoprobe Investgation

Environmental soil borings were advanced at the East River Sludge Storage Tank on September 25, 2000. Joint Venture (JV) personnel collected environmental soil samples from 4 boring locations in the area around the perimeter of the storage tank. These locations were identfied as DP-P1, DP-P2, DP-P3, and DP-P4. MPI personnel conducted air monitoring for personnel health and safety. Air monitoring was conducted by JV personnel to detect Volatile Organic Compounds (VOCs) and combustible gases. All borings were advanced by Geoprobe direct push drilling techniques.

Two environmental soil samples were collected from each of the 4 boring locations: one composite and one discrete. The locations and depths of the environmental soil samples are summarized in Table 3-1. Boring locations are shown on Figure 3-1.

The soil samples were analyzed by Chemtech. The composite samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) semi-volatile compounds (SVOCs) and metals. The discrete samples were analyzed for TCLP VOCs. Sample results are presented in Section 4. One field blank and one field duplicate were analyzed with the samples for quality assurance/quality control (QA/QC) purposes. Field screening of each depth interval for volatile organic contamination was conducted using a 10.6 eV photo ionization detector (PID).

To prevent the possibility of cross-contamination between boreholes, the drilling rig and all drilling accessories were thoroughly decontaminated prior to arrival on-site and between all drilling locations. A pressurized steam cleaner was used for decontamination activities. Split-spoon samplers were decontaminated between sampling intervals at the same borehole. Two-inch outside diameter (OD) split-spoon samplers were used along with acetate liners throughout the drilling program.

3.4.2 East River Sludge Loading Dock

3.4.2.1 Soil Borings

Geotechnical and environmental soil borings were advanced at the Sludge Loading Dock and lumberyard easement, located between the dock and the east river sludge storage tank, between September 7 and September 20, 2000. Mueser Rutledge Consulting Engineers, Inc. (MRCE) collected and classified soil samples from eleven boring locations during the geotechnical boring program. MRCE also collected and classified bedrock cores from eleven locations during this time. These locations were designated B-1 to B-11. JV personnel were present during the geotechnical borings to conduct air monitoring for personnel health and safety. The air monitoring was conducted to detect VOCs and combustible gases. All borings were advanced by mud rotary techniques.

Environmental soil sampling was conducted at eight of the eleven locations (B-4 thru B-11). Environmental soil samples were collected from each of the eight boring locations: two composite samples and one discrete sample. The locations and depths of the environmental soil samples are summarized in Table 3-2. Boring locations are shown on the previous figure, Figure 3-1.

The composite samples were collected from each boring to evaluate the disposal characteristics of the entire interval expected to require excavation while containing laboratory costs.

Discrete samples were collected to investigate for potential contamination at specific depth intervals. The intervals for discrete sampling were selected based on field observations (odor or staining) and PID screening results. Field screening of each depth interval for VOCs was conducted using a 10.6 eV PID.

The soil samples were analyzed by Chemtech. The composite samples were analyzed for Full RCRA Characteristics, including ignitability, corrosivity, and reactivity; full Toxicity Characteristic Leaching Procedure (TCLP) for VOCs, SVOCs, metals, pesticides, and herbicides; total petroleum hydrocarbons (TPH) – gasoline range organics (GRO) and diesel range organics (DRO); and polychlorinated bi-phenyls (PCBs). The discrete samples were analyzed for Target Compound List (TCL) VOCs and TCL SVOCs. Sample results are presented in Section 4. Two field blanks and two field duplicates were analyzed with the samples for quality assurance/quality control (QA/QC) purposes. Field blanks are samples collected from a final rinse of sampling equipment with deionized demonstrated analyte-free water after the decontamination procedure has been performed. The purpose of the field blank is to determine whether the sampling equipment is causing cross-contamination of samples. A field duplicate is a co-located grab sample that equally represents a medium at a given time and location.

NEWTOWN CREEK WPCP UPGRADE
EAST RIVER SLUDGE STORAGE TANK AND LOADING DOCK
BORING PROGRAM

TABLE 3-3
SOIL SAMPLING PARAMETERS, METHODS, CONTAINERS AND PRESERVATION

FRACTION	METHOD	CONTAINER	PRESERVATION
TCL Volatiles +10	SW-846 8260B	(1) 4-ounce widemouth jar	$< 4^{o}$ C
TCL Semivolatiles + 20 PCB's	SW-846 8270C SW-846 8082	(1) 4-ounce widemouth jar	$< 4^{o}$ C
TCLP VOCs TCLP SVOCs, Pest, Herb, Metals, Ignitability, Corrosivity, Reactivity (Sulfide & Cyanide)	SW-846 1311/8260B SW-846 1311/8260B, SW-846 1311/8270C, SW-846 1311/8081A, SW-846 8151A, SW-846 6010B/7471A, Ch. 7, SW-846	(1) 4-ounce widemouth jar (1) 8-ounce widemouth jar	$< 4^{o}$ C
TPH - GRO	SW - 846 8015B	(1) 4-ounce widemouth jar	$< 4^{o}$ C
TPH - DRO	SW-846 8015B	(1) 4-ounce widemouth jar	$< 4^{o}$ C

To prevent the possibility of cross-contamination between boreholes, the drilling rig and all drilling accessories were thoroughly decontaminated prior to arrival on-site and between all drilling locations. A pressurized steam cleaner was used for decontamination activities. Split-spoon samplers were decontaminated between sampling intervals at the same borehole. Three-inch OD split-spoon samplers were used throughout the drilling program.

3.4.2.2 Test Pits

Test pit excavations were conducted at the Sludge Loading Dock between September 7 and November 13, 2000. A total of six test pits were excavated along the existing bulkhead and were designated TP-1 to TP-6, and are also shown in previous figure, Figure 3-1. Each test pit was approximately 4 feet wide by 4 feet long by 3.5-6.5 feet deep. The test pits were excavated with a small backhoe and by hand with shovels to the top of the concrete relieving platform, where depths were measured to obtain platform elevations. JV personnel were present during the test pit excavations to conduct air monitoring for personnel health and safety. The air monitoring was conducted to detect VOCs and combustible gases.

One composite sample was collected from each test pit to evaluate the disposal characteristics of the entire interval expected to require excavation while containing laboratory costs.

The soil samples were analyzed by Chemtech. The composite samples were analyzed for Full RCRA Characteristics, including ignitability, corrosivity, and reactivity; full TCLP for VOCs, SVOCs, metals, pesticides, and herbicides; TPH – GRO and DRO; and PCBs. The discrete samples were analyzed for TCL VOCs and TCL SVOCs. Sample results are presented in Section 4.

3.4.3 DSNY Greenpoint MTS Site

Geotechnical and environmental soil borings were advanced along the proposed route of the new Sludge Force Main in 2005. Thirty-six soil samples were collected from 12 soil borings in April and June 2005, as part of the *Newtown Creek WPCP – Phase II Hazardous Materials Analysis, August 2005 report*, for the proposed NYCDEP Nature Walk Project. The data for the soil borings collected along Kingsland Avenue and Whale Creek Canal are being used to represent general soils conditions in the vicinity of the existing sludge force main and near the proposed sludge force main.

The six soil borings installed along Kingsland Avenue were 15 feet deep and the 6 soil borings along Whale Creek Canal were only 7 feet deep due to the presence of submerged materials, type unknown. Two discrete and two composite soil samples were collected from each 15-foot core. One discrete and one composite sample were collected from each 7 foot deep boring. Discrete soil samples for

TCL VOCs analysis were selected from an area with the highest PID readings within the fill and native soil zones, where available, and also analyzed for TCL SVOCs and TAL Metals. Composite soil samples were collected from within the 0 to 10 foot zone and within the 10 to 15 foot zone in each core, when possible, and analyzed for TCLP (VOCs, SVOCs, Pesticides, Herbicides, Metals), PCBs, Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO), Total Petroleum Hydrocarbons-Gasoline Range Organics (TPH-GRO), and RCRA Characteristics (Corrosivity, Ignitablity, and Reactivity (Sulphur and Cyanide) . Groundwater was encountered at an average of 8 feet bgs at the boring locations.

3.4.4 Environmental Soil Sampling Procedures

3.4.4.1 Startup and Mobilization: Work was carried out in Level D, which includes coveralls or suitable work clothes, latex gloves (during sampling activities), boots (steel toe and shank), safety glasses and hardhat.

3.4.4.2 Analytical Parameters: Parameters analyzed are provided in Table 3-3. The analytical laboratory followed "Test Methods for Evaluating Solid Waste" SW-846 analytical protocols.

3.4.4.3 Sample Bottles: Sample containers used, described in Table 3-3, arrived on-site within one day of laboratory preparation. Sample containers were laboratory cleaned, pre-preserved and sealed with the appropriate documentation. Following sample collection, samples were placed in a thermal chest containing ice packs to ensure a temperature of 4° Celsius. Samples were protected from breakage by the use of appropriate packing material. Samples were shipped to the laboratory using overnight delivery services.

3.4.4.4 Soil Sample Identification: Environmental soil samples were collected during the geotechnical boring program, and sample location ID's were designated accordingly, e.g., B-1, B-2, etc.

3.4.4.5 Soil Sampling Methodology: Environmental soil samples were collected as follows:

- Plastic sheeting was laid out along with sampling equipment, sampling containers and documentation forms.
- Monitoring equipment was field calibrated prior to the start of the day's activities. The PID was used to monitor ambient air quality and screen soil samples for the presence of VOCs. All screening results were recorded in the field logbook. The Workers' breathing zone was also monitored for VOCs. A Combustible Gas Indicator (CGI) was used to monitor for gases.
- For all analytical parameters (except VOCs), a sample aliquot was collected from each split spoon and placed in a stainless steel bowl. The aliquots were

homogenized to create a composite sample to represent a specified composite interval (example: 0 to 10 feet) using a trowel and bowl. A sufficient sample was then placed into a sample container. The sampling container was then placed in a cooler at $4^{O}C$ and held for laboratory analysis.

- **VOC Analyses:** Prior to homogenization, an aliquot for VOC analysis was taken directly from the split spoon, packed tightly into pre-cleaned sample container without mixing and with the aid of a stainless steel tool. The sampling containers were then placed in a cooler at $4^{O}C$ and held for laboratory analysis.

- **Homogenization:** The following procedure was used to homogenize composite soil samples: The soil sample was placed into a decontaminated, stainless steel bowl, and thoroughly mixed using a decontaminated stainless steel spoon. The soil in the bowl was scraped from the sides and bottom of the bowl, rolled to the middle of the bowl and initially mixed. The sample was then quartered and moved to the four corners of the bowl. Each quarter of the sample was mixed individually and then rolled to the center of the bowl and the entire sample mixed again. The sample was then transferred to the appropriate sample containers.

- **Equipment Decontamination Procedures:** To reduce the possibility of cross-contamination between sample locations, all tools and accessories were thoroughly decontaminated prior to arrival on-site. Tools and accessories were also decontaminated between each sampling location. The sampling equipment was decontaminated as follows:
  - Rinse with potable water
  - Wash thoroughly with non-phosphate, laboratory-grade detergent (Alconox or equivalent) in clean tap water
  - Rinse with tap water
  - Rinse with distilled or deionized water
  - Wipe with Hexane
  - Rinse with demonstrated analyte-free water
  - Wipe with Isopropyl alcohol
  - Rinse with demonstrated analyte-free water
  - Rinse with 10% Nitric Acid (HNO3)
  - Rinse with demonstrated analyte-free water
  - Air dry
  - Wrap in aluminum foil until next use.

- **Control and Disposal of Contaminated Materials:** Drill cuttings from sampling activities, considered contaminated, were collected and stored on-site pending characterization and disposal. Each sampling location was returned to natural grade and condition. Drill cuttings and drilling fluids were stored in 55-gallon drums and staged on pallets at an appropriate location pending waste classification and disposal. Decontamination wastes,

consisting of spent alconox/tap water solution and soil residues, were drummed in NYSDOT-approved 55-gallon drums and staged on pallets at an appropriate location pending waste classification and disposal. All investigation-derived waste (IDW) except that from boring location M-1014 was subsequently disposed of as non-hazardous, non-RCRA petroleum-contaminated water and non-hazardous, non-RCRA petroleum-contaminated solids.

- **Personal Protective Equipment (PPE):** Although Level D protection was anticipated to be used during the field investigation, some disposable personal protective equipment (PPE) was necessary, e.g., latex gloves. Diligent efforts were made to minimize contaminated PPE in order to dispose of it as non-hazardous material. Every attempt was made to remove surface contamination so that PPE (e.g., gloves, and other disposable items) could be disposed of as ordinary trash.

- **Sample Documentation and Chain of Custody:** Sample custody during the field investigations was completed in two phases. The first phase encompassed sample collection, packaging, and field custody procedures. The second custody phase involved sample shipment, method of shipment, airbill numbers, and date and time documentation. Both phases of sample custody were conducted to provide that:
  - All samples were uniquely identified
  - The correct samples were tested and traceable to their source
  - Vital sample characteristics were preserved
  - Samples were protected from loss or damage
  - A record of sample custody and integrity was established and maintained through the entire custody process.

- **Field Documentation:** A bound field logbook was maintained to record daily activities. Entries were made in indelible ink and the pages consecutively numbered. Incorrect entries were corrected by a single stroke through the error and were verified with the recorder's initials and date of correction. Entries to the logbook included:
  - Date
  - Start and finish times
  - Summary of work performed (including samples collected)
  - Names of personnel present
  - Names of visitors
  - Weather
  - Calibration of equipment
  - Observations and remarks

  The following information was recorded in the field log book at the time of sampling:
  - Sample designation

- Name of sampler
- Method of collection
- Time and date of sampling
- Type of sample
- Analyses
- Field measurements and calibration (if applicable)
- Soil type and/or observed conditions which may impact the chemistry of the sample.

- **Field Custody Procedures:** All samples collected from the site were identified with a sample label and recorded on a chain-of-custody form. Indelible ink was used to complete sample labels, then labels were covered with clear plastic waterproof tape.

- **Sample Labels**: Sample labels were required to include the following information:
  - Site Name
  - Sample Number
  - Sample Matrix
  - Parameters to be Analyzed
  - Date of Collection
  - Time of Collection
  - Type of Preservation
  - Sampler(s) Name

- **Sampling Numbering:** A unique sample number was used to identify each sample. The sample identification scheme used is as follows:

  The **Soil Boring** samples at the sludge storage tank were labeled as follows: SSF/DP-P1/4-8/102600:

SSF:	Sludge Storage Facility
DP-P1:	Direct push soil sample, sample location ID
4-8:	The depth interval (in feet) from which the sample was collected
MMDDYY:	Date of Sampling

  The **Soil Boring** samples collected at the sludge loading dock were labeled as follows:
  B-4/E-01/0-10/102600:

B-4:	Sample location ID
E-01:	An environmental soil sample, sample 01 from that location

0-10:	The depth interval (in feet) from which the sample was collected
MMDDYY:	Date of Sampling

Fieldblank: FB-01/MMDDYY

- **Chain–of-Custody Record:** The chain-of-custody provides an accurate written record that can be used to trace the possession and handling of the sample from the time of collection to analysis. The chain-of-custody form was completed for each sample at the time of collection and was maintained while shipping the sample to the laboratory. The following information was entered on the chain of custody form:
  - Project number - the alpha-numeric designation that uniquely identifies the project site (e.g., 2439-062)
  - Project name – Sludge Storage Tank, Newtown Creek WPCP; Sludge Loading Dock, Newtown Creek WPCP,
  - Signature of sampler(s)
  - Sample number - the sample identification number for each sample in the shipment
  - Date - a six-digit number indicating the month, day and year of sample collection (MM/DD/YY, e.g., 08/10/00)
  - Time - a four digit number indicating the time of collection based on the 24-hour clock (e.g., 1300)
  - Sample matrix - the matrix (e.g., soil or aqueous) of the sample
  - Parameters for analysis - the analyses to be performed for each sample
  - Remarks - any appropriate remark, as necessary.

- **Sample Shipment:** Custody of samples was maintained through the shipment of samples to the selected laboratory. Samples were in the custody of JV personnel until relinquished directly to the laboratory by sampling personnel or shipped via the following procedures:
  - Coolers were used for shipping making certain the cooler drain (where applicable) was taped shut.
  - About 3 inches of inert cushioning material (i.e., bubble wrap) was placed in the bottom of the cooler.
  - Sample bottles were placed in clear reusable bags keeping the labels visible, and bottles packed in the cooler. To minimize the possibility of breakage, bottles were separated by placing sealed bags of ice on the bottom, top and sides of the samples. The remaining spaces were filled with packing material. Ice was double bagged with the inner zip lock seam at the bottom of the outer zip lock bag.
  - When shipping the samples by common carrier (e.g., Fed Ex), the chain-of-custody under "relinquished by," was signed by JV personnel, the carrier name and airbill tracking number entered under "received by," and a copy retained for field records. The chain-of-custody record was placed in a waterproof plastic "ziplock" bag and affixed with tape to the inside lid

of the cooler.

- Signed custody seals were applied to the front and back of the cooler so the seals bridged the cooler and lid.
- The lid was secured by completely wrapping with strapping tape at either end of the cooler. Completed shipping label was attached to top of the cooler.
- The cooler was shipped by overnight express to the project laboratory: Chemtech

  205 Campus Plaza 1
  Edison NJ 08837
  Project Manager: Curt Hummler
  (732) 225-4111, ext. 103

3.5 UST INVESTIGATION

An underground storage tank (UST) is located at the southeast corner of the East River Sludge Storage Tank site. In 1997, the 1,000-gallon No. 2 fuel oil UST was abandoned in place by the NYCDEP. Due to the non-contiguousness of the Sludge Storage Tank facility and the Newtown Creek WPCP, this tank was not part of the existing Petroleum Bulk Storage Registration. Also, because the total capacity for storage at the East River Sludge Storage facility is less than 1,100 gallons, the tank was not regulated by NYSDEC and did not need to be registered prior to closure.

4.0 ANALYTICAL RESULTS AND FINDINGS

4.1 ASBESTOS SURVEY

Donahoe Environmental, Inc. conducted the analysis of bulk samples collected from the East River Sludge Storage Tank in June of 2000. Analytical results are provided in Table 4-1 and shown on Figure 4-1. Sample analysis was conducted using Polarized Light Microscopy (PLM) in accordance with EPA Method 600/M-4-82-020.

Estimates of quantities and the condition of asbestos-containing materials were made based upon visual inspection of those areas accessed. Samples found to contain more than one percent asbestos are considered Asbestos Containing Materials (ACM) under Federal and State regulations. Appendix A contains the complete Asbestos Inspection Report by Donahoe Environmental, Inc.

ACM identified in the asbestos survey included:

- Millboard Pipe Insulation - approximately 100 square feet.

4.2 LEAD-BASED PAINT SURVEY

4.2.1 East River Sludge Storage Tank

The lead-based paint survey was intended to investigate the Sludge Storage Tank for the presence of lead-based paint prior to demolition work. An X-Ray Fluorescence (XRF) gun was used as a lead-based paint-screening tool.

During the inspection, a total of 44 XRF readings were collected with 7 readings indicating the presence of lead-based paint at or above the 0.5 percent by weight (or 1.0 milligram per square centimeter) classification level. This action level is established by the Department of Housing and Urban Development (HUD) in Chapter 7 of the *HUD Guidelines for the Evaluation and Control of Lead-based Paint Hazards in Housing (1997 Revision).* All XRF shots that tested positive for lead (greater than or equal to 1.0 mg/cm^2) were located in the Pump Room. These positive components included the following: a metal motor, a metal pump, metal piping (including an 18" pipe), an 18" metal valve, and a metal pipe support. Appendix B, which contains the Lead Paint Inspection Report by Mandell, provides more information regarding the inspection, and target areas. The results, description and overall condition of the painted surfaces at these locations are provided in Table 4-2, and Figure 4-2.

The HUD guidelines were established for residential housing with the protection of children as a primary concern. However, the presence of lead paint requires

TABLE 4-1
East River Sludge Storage Tank
Asbestos Survey Results

June 2000

Sample Number	Material Description	Analysis	Asbestos Present	Total % Asbestos
0622TD01	Millboard Pipe Insulation	PLM (1)	YES	1.3% Chrysotile
0622TD02	Millboard Pipe Insulation	PLM (1)	YES	1.3% Chrysotile
0622TD03	Millboard Pipe Insulation	PLM (1)	YES	1.3% Chrysotile

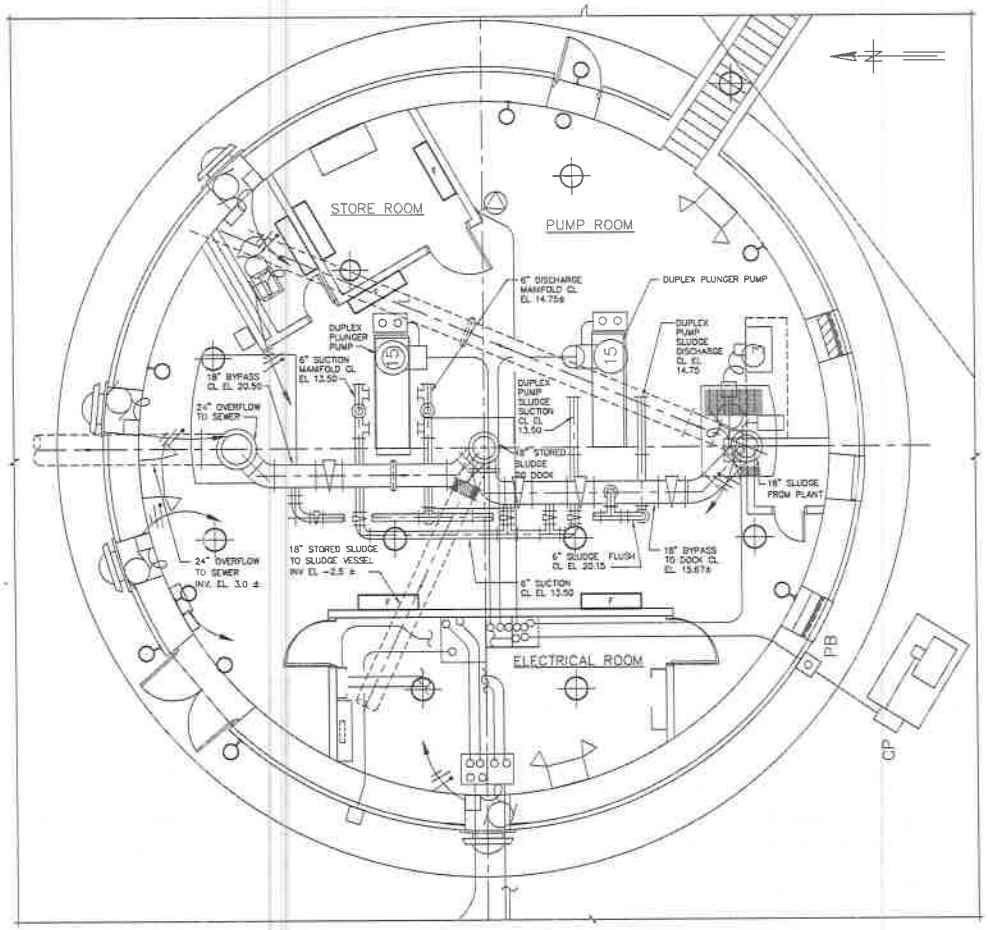
(1)- ELAP 198.1/198.4 for New York Samples

Table 4-2
East River Sludge Storage Tank Lead Paint Survey
XRF Results
June 2000

Sample	Result	Room	Wall	Component	Material	Condition	Color	k_gen	l_gen
1512	Negative	Pump Room	A	Wall	Concrete	Intact	Yellow	-0.25	-0.601
1513	Negative	Pump Room	A	Door	Metal	Intact	Blue	-0.645	0
1514	Negative	Pump Room	A	Door Molding	Metal	Intact	Blue	0.458	0
1515	Negative	Pump Room	A	Wall	Masonry	Intact	Yellow	-1.922	-0.648
1516	**XRF Positive**	**Pump Room**	**A**	**Motor**	**Metal**	**Intact**	**Blue**	**6.121**	**0**
1517	**XRF Positive**	**Pump Room**	**A**	**Pump**	**Metal**	**Fair**	**Blue**	**9.235**	**0**
1518	**XRF Positive**	**Pump Room**	**A**	**Pipe**	**Metal**	**Fair**	**Blue**	**12.496**	**0**
1519	Negative	Pump Room	A	Motor	Metal	Intact	Green	-0.027	0
1520	Negative	Pump Room	A	Pump	Metal	Fair	Gray	-0.413	0
1521	Negative	Pump Room	A	Pump	Metal	Fair	Gray	-0.423	0
1522	Negative	Pump Room	A	Pipe	Metal	Fair	Gray	-0.247	0
1523	**XRF Positive**	**Pump Room**	**D**	**18" Valve**	**Metal**	**Intact**	**Red**	**9.439**	**0**
1524	**XRF Positive**	**Pump Room**	**D**	**18" Pipe**	**Metal**	**Fair**	**Blue**	**6.323**	**0**
1525	**XRF Positive**	**Pump Room**	**D**	**Pipe Support**	**Metal**	**Fair**	**Blue**	**11.33**	**0**
1526	Negative	Pump Room	A	18" Valve	Metal	Intact	Black	-0.692	0
1527	Negative	Pump Room	A	18" Valve	Metal	Intact	Red	-0.071	0
1528	Negative	Pump Room	B	18" Valve	Metal	Intact	Gray	-0.371	0
1529	Negative	Pump Room	B	18" Pipe	Metal	Intact	Black	-0.641	0
1530	Negative	Pump Room	B	18" Valve	Metal	Fair	Blue	-0.192	0
1531	Negative	Pump Room	B	18" Valve	Metal	Intact	Black	-1.216	0
1532	Negative	Pump Room	B	Wall	Concrete	Intact	Yellow	-0.127	-0.11
1533	Negative	Pump Room	C	Wall	Masonry	Intact	Yellow	0.209	-0.235
1534	Negative	Pump Room	D	Wall	Concrete	Intact	Yellow	0.417	-0.246
1535	Negative	Pump Room	C	Pump support	Metal	Poor	Black	-0.334	0
1536	Negative	Pump Room	A	Duct	Metal	Intact	White	0.038	0
1537	Inconclusive	Pump Room	*	Ceiling	Concrete	Intact	White	-0.319	0
1538	Negative	Pump Room	*	Ceiling	Concrete	Intact	White	0.482	-0.392
1539	Negative	Pump Room	*	Ceiling	Concrete	Intact	White	-0.355	-0.551
1540	Negative	Pump Room	*	Floor	Concrete	Poor	Gray	0.436	-0.073
1541	Negative	Pump Room	A	Pump support	Concrete	Fair	Gray	0.412	-0.22
1542	Negative	Pump Room	D	Pipe	Metal	Intact	Blue	0.596	0

Table 4-2
East River Sludge Storage Tank Lead Paint Survey
XRF Results
June 2000

Sample	Result	Room	Wall	Component	Material	Condition	Color	k_gen	l_gen
1543	XRF Positive	Pump Room	D	Pipe	Metal	Fair	Blue	12.735	0
1544	Negative	Electric Room	C	Conduit	Metal	Intact	Green	0.257	0
1545	Negative	Electric Room	C	Elec. Panel	Metal	Fair	Green	0.109	0
1546	Negative	Electric Room	C	Wall	Concrete	Intact	Yellow	0.284	-0.109
1547	Negative	Electric Room	B	Wall	Masonry	Intact	Yellow	0.38	-0.516
1548	Negative	Electric Room	B	Tranformer	Metal	Fair	Blue	0.553	0.306
1549	Negative	Electric Room	*	Floor	Concrete	Fair	Gray	0.628	-0.324
1550	Negative	Electric Room	C	Conduit	Metal	Poor	Green	-0.035	0
1551	Negative	Storage Room	A	Wall	Concrete	Intact	Yellow	0.476	-0.249
1552	Negative	Bathroom	B	Wall	Masonry	Intact	Yellow	0.135	-0.451
1553	Negative	Bathroom	C	Door	Metal	Intact	Blue	0.175	0
1554	Negative	Bathroom	C	Blower	Metal	Fair	Green	-0.686	0
1555	Negative	Bathroom	C	Belt Guard	Metal	Fair	Green	0.13	0



PLAN – FLOOR EL. 11.50
SCALE: 1/4" = 1'-0"
(ALL TO BE REMOVED)

ASBESTOS CONTAINING MATERIALS (ACM) DISPOSAL AND REMOVAL EAST RIVER SLUDGE STORAGE TANK					
Sample Number (See Note 2)	Date Sampled	Material Description	Material Location	Analytical Results (% Asbestos)	Estimated Quantity (See Note 1)
0622TD01 to 0622TD03	June 2000	Millboard Pipe Insulation	Pump Room	1.3% Chrysotile	100 lf

MERCURY CONTAINING MATERIALS DISPOSAL AND REMOVAL (see Notes 3 & 4) EAST RIVER SLUDGE STORAGE TANK		
Location	Material	
	High Intensity Discharge Lamps (HID)	Fluorescent Light Fixtures
	No. of Lamps	No. of Fixtures
East River Sludge Storage Tank	9	3

NOTES:

1. Estimated quantities of asbestos-containing materials (ACM) to be removed are shown for contractor's convenience only. Contractor shall verify existing conditions and quantities in the field. See Specifications for removal and disposal requirements.

2. Non-sampled, suspect ACM should be categorized based on the analytical results of homogenous materials that were sampled in other parts of the East River Sludge Storage Tank.

3. Estimated quantities and locations of mercury containing materials to be removed are shown for contractor's convenience only. Contractor shall verify existing conditions and quantities in the field. See Specifications for removal and disposal requirements.

4. All mercury containing materials to be removed that are not subject to the EPA's Universal Waste Regulations shall be considered hazardous waste. Contractor shall verify existing conditions and quantities in the field.

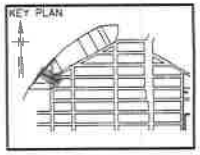
LIGHTING LEGEND:

F – FLUORESCENT FIXTURE
– METAL HALITE FIXTURE
– INCANDESCENT FIXTURE

ABBREVIATIONS:

lf = LINEAR FEET
ACM = ASBESTOS CONTAINING MATERIALS

0 2 6
SCALE: 1/4" = 1'-0"



PLANT UPGRADE

DEMOLITION
EAST RIVER SLUDGE STORAGE TANK
ACM AND MERCURY CONTAINING FIXTURES
FIXTURE LOCATIONS

FIGURE 4–1

consideration in regard to any repainting or demolition debris disposal activities based on the requirements and the OSHA Lead-in-Construction standard.

Of the samples collected at the Sludge Storage Tank, 16% exceeded the NYC Health Code and HUD guideline of 1.0 milligram per square centimeter. The locations of the samples that exceeded the NYC Health Code and HUD guideline are illustrated in Figure 4-2

4.2.2 DSNY Greenpoint MTS Site

Lead was detected in all four samples with results ranged from 70.8 to 13,700 mg/kg. According to HUD, lead-based paint is present if lead levels exceed 5,000 mg/kg. One sample, collected from an orange cleat, exceed the HUD standard. However, any detectable concentration of lead is subject to the requirements of the OSHA Lead in Construction Standard. Analytical results are shown on Figure 4-3.

4.2.3 Marine Transfer Station

There were no detections other than metals (Barium, Cadmium, and Lead); however, the levels did not exceed TCLP standards.

4.3 PCB in PAINT SURVEY

4.3.1 East River Sludge Storage Tank

PCBs were detected in all nine samples and there was one exceedance of Toxic Substances Control Act (TSCA) standards (50 mg/kg). This exceedance (120.0 mg/kg) was sampled from the light blue metal door casing in the storage room. Analytical results are shown on Figure 4-4

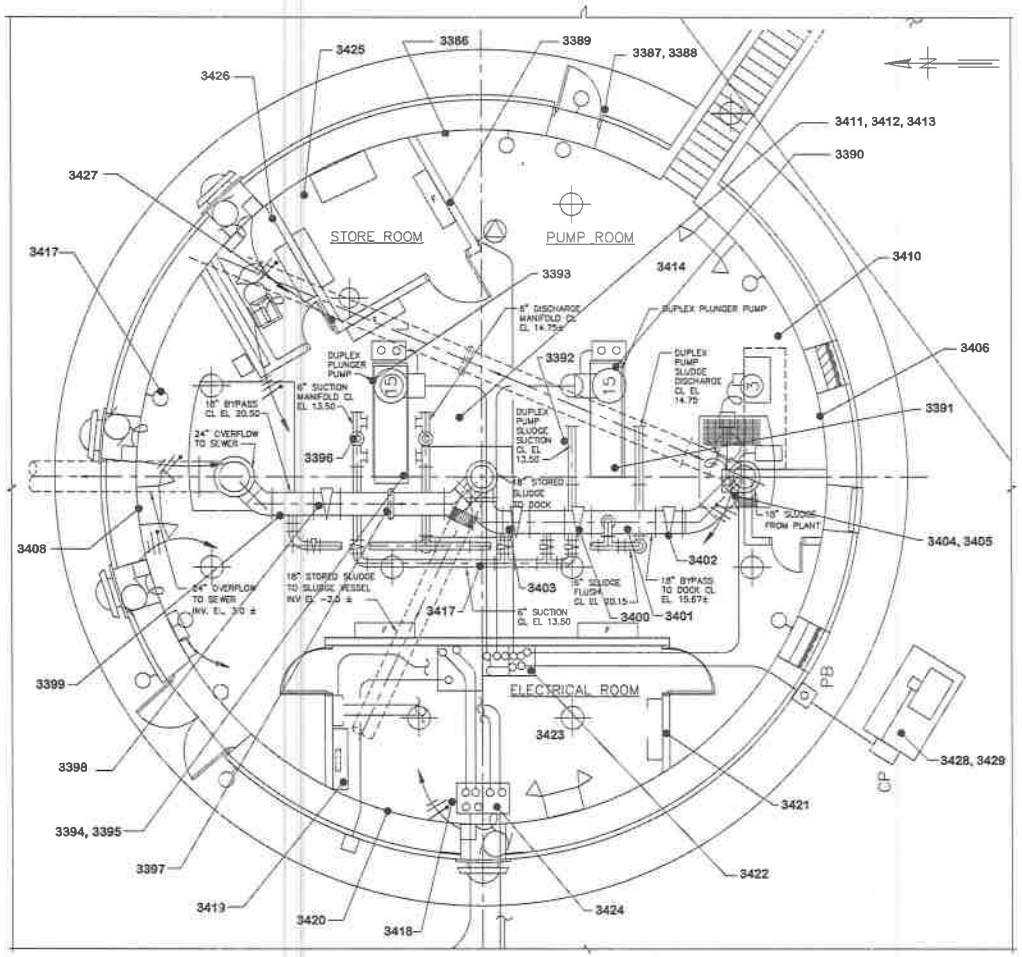
4.3.2 DSNY Greenpoint MTS Site

PCBs were detected (Aroclor 1254: 0076-0.34 mg/kg) but did not exceed TSCA standards. Analytical Results are shown on Figure 4-3.

4.3.3 Marine Transfer Station

Six of the ten samples, collected from red concrete columns, gray metal walls and beams, gray concrete walls, red metal railings and stair risers, red piping and a yellow metal cleat, were positive for PCBs (Aroclor 1254: 0.096-1.200 mg/kg); however levels did not exceed TSCA standards.

4.4 ENVIRONMENTAL SUBSURFACE INVESTIGATION



PLAN – FLOOR EL. 11.50
SCALE: 1/4" = 1'-0"
(ALL TO BE REMOVED)

LEAD-PAINTED MATERIALS DISPOSAL AND REMOVAL (See Note 1)
EAST RIVER SLUDGE STORAGE TANK

XRF Sample Number (See Notes 2 & 3)	Date Sampled	Material Description	Material Location	Analytical Results (mg/cm2)
3386, 3406, 3408, 3420, 3425	June 2000	Concrete Wall (yellow)	Pump Room, Electrical Room, Storage Room	None Detected - 0.476
3387, 3427	June 2000	Metal Door (blue)	Pump Room, Bathroom	None Detected - 0.175
3389	June 2000	Metal Door Molding (blue)	Pump Room	0.456
3389, 3407, 3421, 3428	June 2000	Masonry Wall (yellow)	Pump Room, Electrical Room, Bathroom	None Detected - 0.380
3390	June 2000	Metal Motor (blue)	Pump Room	6.121
3391	June 2000	Metal Pump (blue)	Pump Room	9.235
3392, 3416, 3417	June 2000	Metal Pipe (blue)	Pump Room	0.596 - 12.735
3393	June 2000	Metal Motor (green)	Pump Room	None Detected
3394, 3395	June 2000	Metal Pump (gray)	Pump Room	None Detected
3396	June 2000	Metal Pipe (gray)	Pump Room	None Detected
3397, 3401	June 2000	Metal 18" Valve (red)	Pump Room	None Detected - 9.439
3398	June 2000	Metal 18"Pipe (blue)	Pump Room	6.323
3399	June 2000	Metal Pipe Support (blue)	Pump Room	11.330
3400, 3403, 3405	June 2000	Metal 18" Valve (black)	Pump Room	None Detected
3402	June 2000	Metal 16" Valve (gray)	Pump Room	None Detected
3403	June 2000	Metal 16" Pipe (black)	Pump Room	None Detected
3404	June 2000	Metal 18" Valve (blue)	Pump Room	None Detected
3409	June 2000	Metal Pump Support (black)	Pump Room	None Detected
3410	June 2000	Metal Duct (white)	Pump Room	0.038
3411, 3412, 3413	June 2000	Concrete Ceiling (white)	Pump Room	None Detected - 0.482
3414, 3423	June 2000	Concrete Floor (gray)	Pump Room, Electrical Room	0.436 - 0.628
3415	June 2000	Concrete Pump Support (gray)	Pump Room	0.412
3418, 3424	June 2000	Metal Conduit (green)	Electrical Room	None Detected - 0.257
3419	June 2000	Metal Electrical Panel (green)	Electrical Room	0.109
3422	June 2000	Metal Transformer (blue)	Electrical Room	0.553
3426	June 2000	Metal Blower (green)	Bathroom	None Detected
3429	June 2000	Metal Belt Guard (green)	Bathroom	0.130

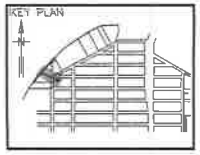
NOTES:

1. Contractor shall remove and dispose of lead paint as necessary to demolish building materials. See Specification for removal and disposal requirements
2. Non-sampled surfaces should be categorized based on the analytical results from homogenous materials that were sampled for lead in other parts of the East River Sludge Storage Tank.
3. Sample numbers 3380, 3381, 3382, 3383, 3384, 3385, 3430, 3431, 3432, 3433, and 3434 were calibration readings

ABBREVIATIONS:

XRF = X-RAY FLUORESCENCE

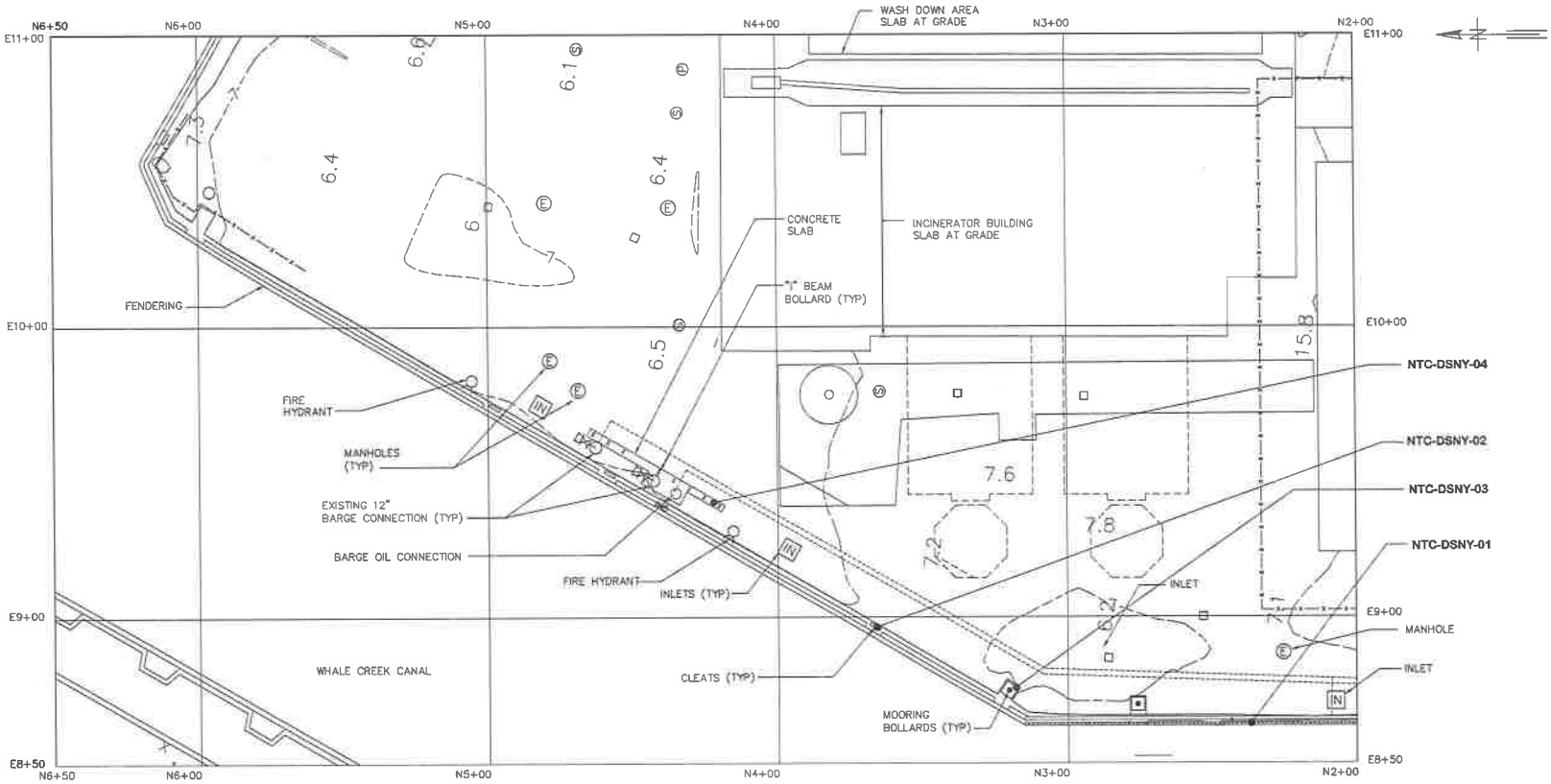
0 2 8
SCALE: 1/4" = 1'-0"



PLANT UPGRADE

DEMOLITION
EAST RIVER SLUDGE STORAGE TANK
LEAD PAINT (XRF)
SAMPLE LOCATIONS

FIGURE 4-2



LEAD AND PCB PAINTED MATERIALS DISPOSAL AND REMOVAL (See Note 1)
DSNY PROPERTY

Sample Number (See Note 2)	Date Sampled	Material Description	Material Location	Lead Analytical Results (mg/kg)	PCB Analytical Results (mg/kg)
NTC-DSNY-01	November 2006	Metal Railing (red)	DSNY Property (adjacent to Whale Creek)	244	0.26
NTC-DSNY-02	November 2006	Metal Cleat (orange)	DSNY Property (adjacent to Whale Creek)	13,700	0.094
NTC-DSNY-03	November 2006	Concrete Bollard (gray)	DSNY Property (adjacent to Whale Creek)	70.8	0.076
NTC-DSNY-04	November 2006	Metal Beam (yellow)	DSNY Property (adjacent to Whale Creek)	1,900	0.88

NOTES:

1. Contractor shall remove and dispose of lead paint and PCB paint as necessary to demolish building materials. See Specification for removal and disposal requirements.
2. Non-sampled surfaces should be categorized based on the paint chip sample results of Homogenous materials that were sampled on other parts of the DSNY property.

0 10 40
SCALE: 1" = 20'

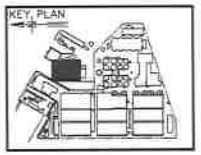
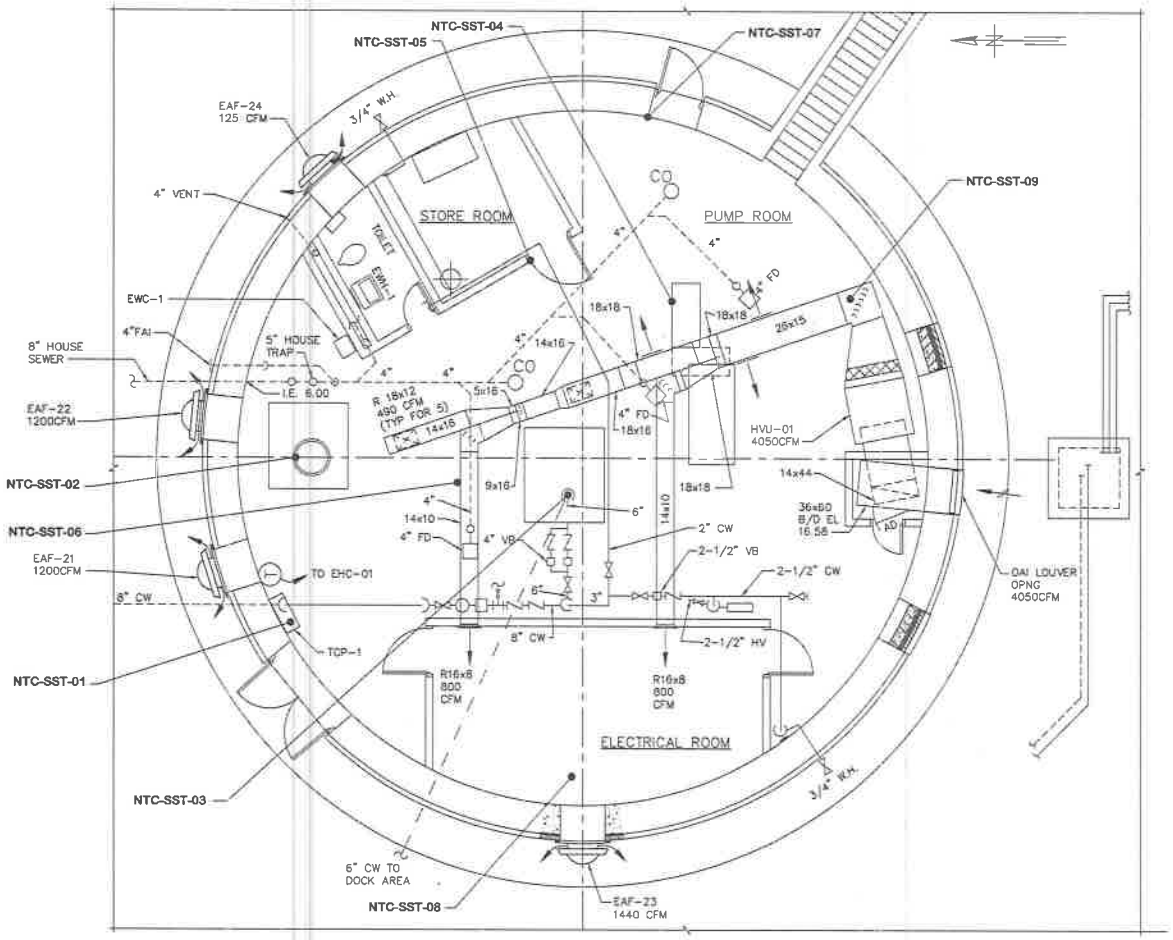


FIGURE 4-3

CIVIL
SITE WORK
LEAD AND PCB PAINT CHIP SAMPLE LOCATIONS

PLANT UPGRADE



PLAN – FLOOR EL. 11.50
SCALE: 1/4" = 1'-0"
(ALL TO BE REMOVED)

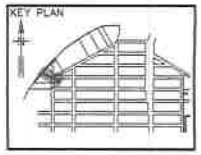
PCB-PAINTED MATERIALS DISPOSAL AND REMOVAL (See Note 1) EAST RIVER SLUDGE STORAGE TANK				
Sample Number (See Note 2)	Date Sampled	Material Description	Material Location	Analytical Results (mg/kg)
NTC-SST-01, NTC-SST-07	October 2006	Concrete Wall (yellow)	Pump Room	13 - 18
NTC-SST-02	October 2006	Metal Pipe (dark blue)	Pump Room	16
NTC-SST-03	October 2006	Metal Pipe (black)	Pump Room	3.3
NTC-SST-04	October 2006	Concrete Slab (dark gray)	Pump Room	14
NTC-SST-05	October 2006	Metal Door Casing (light blue)	Storage Room	120
NTC-SST-06	October 2006	Metal Tank (light gray)	Pump Room	6
NTC-SST-08	October 2006	Metal Cabinet (dark green)	Electrical Service Room	18
NTC-SST-09	October 2006	Metal Duct (white)	Pump Room	9.6

NOTES:

1. Contractor shall remove and dispose of PCB paint as necessary to demolish building materials. See Specifications for removal and disposal requirements.

2. Non-sampled surfaces should be categorized based on the analytical results of homoger materials that were sampled in other parts of the East River Sludge Storage Tank

0 2 8
SCALE: 1/4" = 1'-0"



PLANT UPGRADE

DEMOLITION
EAST RIVER SLUDGE STORAGE TANK
PCB PAINT CHIP
SAMPLE LOCATIONS

FIGURE 4-4

Table 4-3
Newtown Creek
Analytical Soil Sampling Results-East River Sludge Storage Facility Discrete Samples (09/26/00)
DETECTED ANALYTES ONLY

Parameters	Units	SSF DP-P1 4-8 10/26/00	SSF DP-P2 4-8 10/26/00	SSF DP-P3 4-8 10/26/00	SSF DP-P4 8-9 10/26/00
TCLP VOCs	µg/L	ND	ND	ND	ND

NOTES:

SAMPLE IDENTIFIERS

DP-P1/4-8/10/26/2000= DP-P1 boring location, 4-8 foot sample interval below grade, 10/26/2000 date of sample collection.

QUALIFIERS

ND= non-detect.

Table 4-4
Newtown Creek
Analytical Soil Sampling Results-East River Sludge Storage Facility Composite Samples (09/26/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria: 40 CFR Section 261 (ppb)	SSF DP-P1 0-12 10/26/00	SSF DP-P2 0-16 10/26/00	SSF DP-P3 0-12 10/26/00	SSF DP-4 0-9 10/26/00	SSF DP-P5 0-16 10/26/00
							Dup. of DP-P2/0-16
TCLP SVOCs	µg/L		ND	ND	ND	ND	ND
TCLP METALs							
Arsenic	µg/L	5,000	ND	ND	ND	**72.5 B***	**85.8 B***
Lead	µg/L	5,000	**132**	ND	ND	ND	ND
Barium	µg/L	100,000	**1060 B**	**605 B**	**608 B**	**731 B**	**673 B**
Cadmium	µg/L	1,000	**31.2 B**	**29.2 B**	**26.4 B**	**26.8 B**	**31.6 B**
Selenium	µg/L	1,000	ND	**62.4 ***	ND	ND	**62.4 ***

NOTES:

SAMPLE IDENTIFIERS

SSF/DP-P1/0-12/10/26/00= SSF=Sludge Storage Facility, DP-P1direct push location, 0-12 foot sample interval below grade, 10/26/2000 date of sample collection.

QUALIFIERS

B= reported value is less than the contract required detection limit, but greater than or equal to the instrument detection limit.
*= duplicate analysis not within limits.
ND= non-detect.

Table 4-5
Newtown Creek
Analytical Soil Sampling Results-Discrete Samples (09/07/00-11/09/00)
DETECTED ANALYTES ONLY

Parameters	Units	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11
				E-03	E-03	E-03	E-03	E-03	E-03	E-03	E-03
				10-15	0-5	10-15	5-10	15-20	5-10	5-10	10-15
				09/07/00	09/15/00	09/11/00	09/08/00	09/12/00	09/13/00	09/14/00	09/18/00
TCL VOCs											
Acetone	µg/Kg	NE	200	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/Kg	NE	100	4.8 J	6.9	3.6 J	3.6 J	6	14	6.6	11
Tetrachloroethene	µg/Kg	NE	1,400	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/Kg	100	1,500	ND	ND	ND	ND	ND	ND	4.6 J	ND
TCL SVOCs											
3+4-Methylphenols	µg/Kg	NE	NE	ND	ND	ND	ND	ND	ND	54 J	ND
Naphthalene	µg/Kg	200	13,000	210 J	ND	230 J	ND	95 J	ND	2300 JD	ND
2-Methylnaphthalene	µg/Kg	NE	36,400	81 J	ND	270 J	ND	52 J	ND	880 JD	ND
Acenaphthylene	µg/Kg	NE	41,000	75 J	ND	220 J	ND	48 J	ND	950 JD	ND
Acenaphthene	µg/Kg	400	50,000	210 J	ND	180 J	ND	230 J	100 J	2700 JD	ND
Dibenzofuran	µg/Kg	NE	6,200	150 J	ND	340 J	ND	140 J	ND	2000 JD	ND
Fluorene	µg/Kg	1000	50,000	230 J	ND	620	ND	290 J	140 J	4000 D	ND
n-Nitrosodiphenylamine	µg/Kg	NE	NE	67 J	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	µg/Kg	1000	50,000	1900	130 J	2400	57 J	1400	1000	19000 D	ND
Anthracene	µg/Kg	1000	50,000	510	39 J	560	ND	480	300 J	4900 D	ND
Carbazole	µg/Kg	NE	NE	190 J	ND	ND	ND	140 J	120 J	4300 D	ND
Di-n-butylphthalate	µg/Kg	NE	8,100	86 J	76 J	ND	70 J	210 J	74 J	97 J	76 J
Fluoranthene	µg/Kg	1000	50,000	1200	200 J	1800	55 J	1200	860	15000 D	ND
Pyrene	µg/Kg	1000	50,000	2100	230 J	2100	47 J	1400	1600	11000 D	ND
Benzo(a)anthracene	µg/Kg	0.04 (330) [1]	224	940	120 J	1100	ND	650	520 J	7000 D	ND
Chrysene	µg/Kg	0.04 (330) [1]	400	920	120 J	1100	ND	620	575 J	7400 D	ND
Bis(2-Ethylhexyl)phthalate	µg/Kg	NE	50,000	600	140 J	570	140 J	120 J	130 J	450	48 J
Benzo(b)fluoranthene	µg/Kg	0.04 (330) [1]	224	980	54 J	590	ND	400	430 J	4700 D	ND
Benzo(k)fluoranthene	µg/Kg	0.04 (330) [1]	224	600	110 J	750	ND	450	470 J	5700 D	ND
Benzo(a)pyrene	µg/Kg	0.04 (330) [1]	61	790	110 J	830	ND	530	400 J	4900 D	ND
Indeno(1,2,3-cd)pyrene	µg/Kg	0.04 (330) [1]	3,200	1400	58 J	ND	ND	240 J	ND	1100 JD	ND
Dibenzo(a,h)anthracene	µg/Kg	1000	14	120 J	ND	78 J	ND	ND	ND	200 JD	ND
Benzo(g,h,i)perylene	µg/Kg	0.04 (330) [1]	50,000	1300	86 J	540	ND	440	120 J	1300 JD	ND
4-Nitrophenol	µg/Kg	NE	100	ND	ND	220 J	ND	ND	ND	ND	ND

NOTES:
SAMPLE IDENTIFIERS
B-4E/E-03/10-15/09/07/2000= B-4E boring location, E-03 sample number, 10-15 foot sample interval below grade, 10/03/2000 date of sample collection.
[1] Values in parentheses are the Method Detection Limits (MDLs
QUALIFIERS
J= estimated value.
B= reported value is less than the contract required detection limit, but greater than or equal to the instrument detection limit.
D= dilution.
*= duplicate analysis not within limits.
ND= non-detect.
NE= Criteria not established.
EXCEEDANCES
=the sample exceeds the New York DEC TAGM Guidance criteria.
=the sample exceeds the NYSDEC STARS Memo #1 Guidance criteria.

Soil sample results were compared to the soil cleanup objectives in NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (1995), the NYSDEC's Spill Technology and Remediation Series (STARS) Memo #1: Petroleum-Contaminated Soil Guidance Policy, August 1992, and the Resource Conservation and Recovery Act (RCRA) Characteristic limits for hazardous wastes (40 CFR Part 261) to evaluate the presence or absence of contamination.

4.4.1 East River Sludge Storage Tank

4.4.1.1 Geoprobe Investigation

Discrete Samples

Four direct push discrete samples were collected from the grounds immediately adjacent to the Sludge Storage Tank. These samples were analyzed for TCLP VOCs as shown in Table 4-3. There were no exceedences of the RCRA TCLP limits in any of the samples.

Composite Samples

Five direct push composite samples were collected from the grounds immediately adjacent to the Sludge Storage Tank. Sample DP-P5 is a blind duplicate of sample DP-P2. These samples were analyzed for TCLP SVOCs and TCLP metals as shown in Table 4-4. There were no exceedences of the RCRA TCLP limits in any of the samples.

4.4.2 East River Sludge Loading Dock

4.4.2.1 Soil Borings

Discrete Samples

Eight discrete samples were collected from eight boring locations. These samples were analyzed for TCL VOCs and TCL SVOCs as shown in Table 4-5.

Six samples (one from each of the following locations, B-4, B-5, B-6, B-8, B-9, and B-10) had results that exceeded the TAGM criteria for SVOCs. The following polycyclic aromatic hydrocarbons (PAHs) exceeded the criteria in all locations except B-5: Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene. The criteria for Dibenzo(a,h)anthracene was exceeded in the samples from B-4, B-6, and B-10. The only exceedence from location B-5 was Benzo(a)pyrene. The criteria for 4-Nitrophenol was exceeded in the sample from B-6.

Five samples (one from each of the following locations, B-4, B-6, B-8, B-9, and B-10) had results which exceeded the STARS criteria for between six and thirteen PAHs including Naphthalene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene, and Benzo(g,h,i)perylene. The results for Indeno(1,2,3-cd)pyrene were also exceeded at locations B-5 and B-10.

There were no exceedences of the TAGM or STARS VOC criteria.

The Agency for Toxic Substances and Disease Registry (ATSDR) describes PAHs as a group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot. PAHs are ubiquitous in soils and total PAH concentrations in urban soils have been reported to range from 25,000 to about 585,000 parts per billion (ppb).

Composite Samples

Sixteen composite samples were collected from eight boring locations. These samples were analyzed for Full RCRA Characteristics, including ignitability, corrosivity, reactivity, TCL VOCs, TCL SVOCs, DRO, GRO, PCBs, and Full TCLP including VOCs, SVOCs, metals, pesticides, and herbicides as shown in Table 4-6.

Thirteen samples (from seven boring locations: B-4, B-5, B-6, B-8, B-9, B-10, and B-11) had results which exceeded the TAGM criteria for between one and six PAHs consisting of: Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, and Dibenzo(a,h)anthrancene. The criteria for 4-Nitrophenol were exceeded in one sample from location B-6.

Twelve samples (from six boring locations: B-4, B-5, B-6, B-8, B-9, and B-10) had results which exceeded the STARS criteria for between two and thirteen PAHs consisting of: Napthalene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene, and Benzo(g,h,i)perylene. The criteria for Indeno(1,2,3-cd)pyrene was also exceeded in eight samples (from five locations: B-4, B-5, B-6, B-8, and B-10).

Seven samples had detections of DRO and two samples had detections of GRO. There are no cleanup criteria for either of these compounds.

There were no other criteria exceedences.

4.4.2.2 Test Pit Samples

Discrete Samples

Six discrete samples were collected from six test pit locations. These samples were analyzed for TCL VOCs and TCL SVOCs as shown in Table 4-7.

Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene exceeded the TAGM criteria in TP-01 and TP-04. The Chrysene result from TP-04 also exceeded the TAGM criteria.

TP-01 and TP-04 also exceeded the STARS criteria for SVOCs. TP-01 had STARS criteria exceedences for Chrysene, Benzo(k)fluoranthene, and Benzo(a)fluoranthene. TP-04 had STARS criteria exceedences for Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Chrysene, Benzo(g,h,i)perylene, Naphthalene, and Acenaphthene.

All of the SVOCs which exceeded guidance criteria were PAHs.

There were no exceedences of the TAGM or STARS VOC criteria.

Composite Samples

Six composite samples were collected from six test pit locations. These samples were analyzed for ignitability, corrosivity, reactivity, TCL VOCs, TCL SVOCs, DRO, GRO, PCBs, and full TCLP. Table 4-8 shows the results.

Composite samples from test pits TP-01, TP-04, and TP-05 exceeded the TAGM criteria for between one and six PAHs consisting of: Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene, and Dibenzo(a,h)anthracene.

Composite samples from test pits TP-01, TP-04, and TP-05 exceeded the STARS criteria for between one and thirteen PAHs consisting of: Napthalene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene, and Benzo(g,h,i)perylene. The criteria for Indeno(1,2,3-cd)pyrene was also exceeded in TP-05.

DRO was detected in two of the samples.

There were no other criteria exceedences in any of the samples.

4.4.3 DSNY Greenpoint MTS Site

Table 4-6
Newtown Creek
Analytical Soil Sampling Results-Composite Samples (09/07/00-11/09/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria: 40 CFR Section 261 (ppb)	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	B-4		B-5		B-6		B-7		B-8		B-9		B-10		B-11	
					E-01 0-10 09/07/00	E-02 10-25 09/07/00	E-01 0-10 09/11/00	E-02 10-25 09/11/00	E-01 0-10 09/11/00	E-02 10-25 09/11/00	E-01 0-10 09/08/00	E-02 10-25 09/08/00	E-01 0-10 09/12/00	E-02 10-25 09/12/00	E-01 0-10 09/13/00	E-02 10-25 09/13/00	E-01 0-10 09/14/00	E-02 10-25 09/14/00	E-01 0-10 09/15/00	E-02 10-25 09/15/00
													9	13	88	6	181 *	37		
Total SVOCs (ppm)					14	14	5	13	4	14										
TCL VOCs																				
Acetone	µg/Kg		NE	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/Kg		NE	100	4.4 J	4.9 J	6.8	4.3	2.2 J	4.1 J	2.6 J	3.1 J	6.1	5.5 J	8.8	8.9	6.7	6.5	8.6	9.6
Benzene	µg/Kg		14	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/Kg		100	1,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/Kg		NE	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	µg/Kg		100	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylenes	µg/Kg		100	1,200[2]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	µg/Kg		100	1,200[2]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/Kg		NE	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/Kg		NE	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCL SVOCs																				
3/4-Methylphenols	µg/Kg		NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190 J	ND	ND	ND
Naphthalene	µg/Kg		200	13,000	390 J	120 J	ND	ND	44 J	160 J	ND	ND	110 J	84 J	1200 JD	ND	3800 JD	690 JD	ND	ND
4-Chloroaniline	µg/Kg		NE	220	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200 J	ND	ND
2-Methylnaphthalene	µg/Kg		NE	36,400	ND	66 J	ND	120 J	ND	130 J	ND	ND	49 J	41 J	580 JD	ND	1600 JD	220 JD	ND	ND
Acenaphthylene	µg/Kg		NE	41,000	ND	54 J	ND	ND	ND	200 J	ND	ND	ND	42 J	ND	ND	81 J	160 J	ND	ND
Acenaphthene	µg/Kg		400	50,000	ND	170 J	ND	350 J	67 J	190 J	ND	ND	190 J	280 J	2500 JD	93 J	6300 D	1100 JD	ND	ND
4-Nitrophenol	µg/Kg		NE	100	ND	ND	ND	ND	ND	130 J	ND	ND	64 J	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	µg/Kg		NE	6,200	ND	110 J	ND	230 J	ND	190 J	ND	ND	92 J	140 J	1600 JD	ND	2900 JD	760 JD	ND	ND
Fluorene	µg/Kg		1000	50,000	ND	180 J	43 J	420	53 J	340 J	ND	ND	210 J	220 J	3600 JD	110 J	7800 D	1700 JD	ND	ND
n-Nitrosodiphenylamine	µg/Kg		NE	NE	ND	87 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	µg/Kg		1000	50,000	2000 J	1800	520	1900	520	1800	43 J	87 J	1300	1600	17000 D	800	38000 D	7500 D	270 J	ND
Anthracene	µg/Kg		1000	50,000	440 J	400	140 J	680	140 J	490	ND	ND	400	520	5000 JD	220 J	10000 D	2200 D	59 J	ND
Carbazole	µg/Kg		NE	NE	ND	140	ND	240 J	46 J	150 J	ND	ND	120 J	130 J	3600 JD	79 J	7700 D	1400 JD	ND	ND
Di-n-butylphthalate	µg/Kg		NE	8,100	ND	72 J	46 J	150 J	83 J	89 J	48 J	48 J	100 J	150 J	ND	87 J	440	260 J	ND	ND
Fluoranthene	µg/Kg		1000	50,000	1300 J	1000	780	1900	510	1400	78 J	72 J	910	1700	19000 D	630	29000 D	5900 D	380 J	ND
Pyrene	µg/Kg		1000	50,000	2000 J	1900	700	1700	800	2300	68 J	68 J	1600	1600	19000 D*	900	20000 D	3700 D	180 J	ND
Benzo(a)anthracene	µg/Kg		0.04 (330) [1,2]	224	1100 J	810	420	970	340 J	1100	38 J	ND	490	950	6600 D	340 J	13000 D	2600 D	130 J	ND
Chrysene	µg/Kg		0.04 (330) [1,2]	400	1100 J	840	430	870	340 J	1100	43 J	ND	470	900	6600 D	380 J	13000 D	2900 D	140 J	ND
Bis(2-Ethylhexyl)phthalate	µg/Kg		NE	50,000	ND	130	13 J	300 J	33 J	390 J	78 J	410	180 J	150 J	130 J	58 J	240	ND	ND	ND
Benzo(b)fluoranthene	µg/Kg		0.04 (330) [1,2]	224	680 J	480	280 J	630	200 J	640	ND	ND	470	530	4200 JD	230 J	8000 D	1700	86 J	ND
Benzo(k)fluoranthene	µg/Kg		0.04 (330) [1,2]	224	720 J	630	310 J	630	240 J	730	63 J	ND	410	890	6000	320 J	10000 D	1700 JD	70 J	ND
Benzo(a)pyrene	µg/Kg		0.04 (330) [1,2]	61	1000 J	710	360 J	700	320 J	1000	44 J	ND	590	750	5900 JD	270 J	8300 D	1700 JD	110 J	ND
Indeno(1,2,3-cd)pyrene	µg/Kg		0.04 (330) [1,2]	3,200	1600 J	1100	200 J	370 J	210 J	590	ND	ND	630	380 J	290 J	ND	1600 JD	850 JD	100 J	ND
Dibenzo(a,h)anthracene	µg/Kg		1000	14	ND	ND	ND	90 J	ND	88 J	ND	ND	48 J	83 J	120 J	ND	310 J	88 J	ND	ND
Benzo(g,h,i)perylene	µg/Kg		0.04 (330) [1,2]	50,000	1800 J	1100	280 J	520	380 J	940	ND	ND	700	530	900 J	77 J	2200	770 JD	87 J	ND
PCBs	µg/Kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP VOCs																				
Benzene	µg/L	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/L	700			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP SVOCs					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP PESTICIDES	µg/L				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP HERBICIDES	µg/L				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP METALS																				
Arsenic	µg/L	5,000			ND	ND	466	60.6 B	61	46	ND	ND	-	-	92.8 B	83.6 B	33.3 B	29.6 B	ND	ND
Lead	µg/L	5,000			1200	400	40.3	21 B	ND	ND	ND	0.34	-	-	24.6	44.8	25.8 B	19.5	ND	24.7 B
Barium	µg/L	100,000			1700	900	46.8 B	43.4 B	52	42	0.66	0.48	-	-	ND	13.6 B	30.6 B	27.2 B	23.6 B	26.4 B
Cadmium	µg/L	1,000			0.044	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND
Chromium	µg/L	5,000			ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND
Mercury	µg/L	200			ND	ND	ND	ND	ND	ND	ND	ND	-	-	1.2 B	ND	1.1 B	2.6	ND	ND
Selenium	µg/L	1,000			ND	ND	ND	ND	ND	40	ND	ND	-	-	31 B	34.3	ND	ND	ND	ND
Silver	µg/L	5,000			ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND
GRO	µg/Kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	460	75	ND	110	51	ND
DRO	µg/Kg				ND	ND	ND	ND	19	33	52	47	ND	23	110	25	31	300	ND	ND
WET CHEMISTRY																				
Corrosivity	std. units				8.5	8.6	9.1	9.4	8.7	8.4	9.0	8.4	8.9	9.1	8.9	10	8.8	8.0	7.9	9.9
Ignitability	°F	<140			UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.
Cyanide, Reactive	mg/kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfide, Reactive	mg/kg				ND	ND	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
SAMPLE IDENTIFIERS:
M-102BE/E-02/45-50/10/03/2000= M-102BE boring location, E-02 sample number, 45-50 foot sample interva below grade, 10/03/2000 date of sample collection
[1,2] Values in parentheses are the Method Detection Limits (MDLs).
[2] TAGM Recommended Soil Cleanup Objective for Total Xylenes.

QUALIFIERS
J= estimated value.
B= reported value is less than the contract required detection limit, but greater than or equal to the instrumen detection limit
D= dilution.
*= duplicate analysis not within limits.
ND= non-detect.
NE= Criteria not established

EXCEEDANCES
=the sample exceeds the Guidance criteria
=the sample exceeds the NYSDEC STARS Memo #1 Guidance criteria

Table 4-7
Newtown Creek
Analytical Soil Sampling Results-Test Pit Discrete Samples (09/25/00)
DETECTED ANALYTES ONLY

Parameters	Units	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	TP-01 E-01 09/25/00	TP-02 E-01 09/25/00	TP-03 E-01 09/25/00	TP-04 E-01 09/25/00	TP-05 E-01 09/25/00	TP-06 E-01 09/25/00
TCL VOCs									
Methylene Chloride	µg/Kg	NE	100	7.1	6	11	7.1	8.8	9.3
TCL SVOCs									
Phenanthrene	µg/Kg	1000	50000	260 J	ND	ND	4000	ND	ND
Anthracene	µg/Kg	1000	50000	79 J	ND	ND	1100 J	ND	ND
Di-n-butylphthalate	µg/Kg	NE	8100	150 J	ND	ND	ND	ND	82 J
Fluoranthene	µg/Kg	1000	50000	540	630 J	450 J	3100 J	ND	ND
Pyrene	µg/Kg	1000	50000	530	630 J	410 J	2600 J	ND	ND
Benzo(a)anthracene	µg/Kg	0.04 (330) (1)	224	330 J	ND	ND	1300 J	ND	ND
Chrysene	µg/Kg	0.04 (330) (1)	400	370 J	ND	ND	1300 J	ND	ND
Benzo(b)fluoranthene	µg/Kg	0.04 (330) (1)	224	320 J	ND	ND	740 J	ND	ND
Benzo(k)fluoranthene	µg/Kg	0.04 (330) (1)	224	410	ND	ND	1600 J	ND	ND
Benzo(a)pyrene	µg/Kg	0.04 (330) (1)	61	340 J	ND	ND	980 J	ND	ND
Indeno(1,2,3-cd)pyrene	µg/Kg	0.04 (330) (1)	3200	120 J	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	µg/Kg	1000	14	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	µg/Kg	0.04 (330) (1)	50000	180 J	ND	ND	420 J	ND	ND
Naphthalene	µg/Kg	200	13000	ND	ND	ND	1000 J	ND	ND
Acenaphthene	µg/Kg	400	50000	ND	ND	ND	620 J	ND	ND
Fluorene	µg/Kg	1000	50000	ND	ND	ND	600 J	ND	ND
Carbazole	µg/Kg	NE	NE	ND	ND	ND	400 J	ND	ND

NOTES:

SAMPLE IDENTIFIERS
TP-01/E-02/09/15/2000= TP-01 test pit location, E-01 sample number, 09/25/2000 date of sample collection

(1) Values in parentheses are the Method Detection Limits (MDLs).

QUALIFIERS
J= estimated value.
ND= non-detect.
NE= Criteria not established.

EXCEEDANCES
=the sample exceeds the New York DEC TAGM Guidance criteria

Table 4-8
Newtown Creek
Analytical Soil Sampling Results-Test Pit Composite Samples (09/25/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria: 40 CFR Section 261 (ppb)	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	TP-01 E-02 09/25/00	TP-02 E-02 09/25/00	TP-03 E-02 09/25/00	TP-04 E-02 09/25/00	TP-05 E-02 09/25/00	TP-06 E-02 09/25/00
TCL VOCs										
Methylene Chloride	µg/Kg		NE	100	5.7 J	5.2 J	5.4	6.4	6.5	3.4 J
TCL SVOCs										
Naphthalene	µg/Kg		200	13,000	ND	ND	ND	ND	1400 J	ND
Acenaphthylene	µg/Kg		NE	41,000	52 J	ND	ND	ND	ND	ND
Acenaphthene	µg/Kg		400	50,000	59 J	ND	ND	ND	1900 J	100 J
Dibenzofuran	µg/Kg		NE	6,200	ND	ND	ND	ND	1300 J	48 J
Fluorene	µg/Kg		1,000	50,000	74 J	ND	ND	ND	2600 J	73 J
Phenanthrene	µg/Kg		1,000	50,000	1000	ND	360 J	370 J	15000	150 J
Anthracene	µg/Kg		1,000	50,000	340 J	ND	ND	ND	3800	41 J
Carbazole	µg/Kg		NE	NE	ND	ND	ND	ND	2500 J	ND
Di-n-butylphthalate	µg/Kg		NE	8,100	95 J	ND	ND	ND	ND	74 J
Fluoranthene	µg/Kg		1,000	50,000	1700	370 J	380 J	550 J	12000	220 J
Pyrene	µg/Kg		1,000	50,000	1600	350 J	ND	450 J	8600	180 J
Benzo(a)anthracene	µg/Kg		0.04 (330) (1)	224	860	ND	ND	ND	4100	72 J
Chrysene	µg/Kg		0.04 (330) (1)	400	960	ND	ND	ND	4400	92 J
Bis(2-Ethylhexyl)phthalate	µg/Kg		NE	50,000	ND	ND	ND	ND	ND	65 J
Benzo(b)fluoranthene	µg/Kg		0.04 (330) (1)	224	670	ND	ND	ND	2200 J	67 J
Benzo(k)fluoranthene	µg/Kg		0.04 (330) (1)	224	710	ND	ND	530 J	4100	81 J
Benzo(a)pyrene	µg/Kg		0.04 (330) (1)	61	710	ND	ND	ND	2600 J	60 J
Indeno(1,2,3-cd)pyrene	µg/Kg		0.04 (330) (1)	3,200	210 J	ND	ND	ND	570 J	ND
Dibenzo(a,h)anthracene	µg/Kg		0.04 (330) (1)	14	58 J	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	µg/Kg		0.04 (330) (1)	50,000	320 J	ND	ND	ND	750 J	45 J
PCBs	µg/Kg				ND	ND	ND	ND	ND	ND
TCLP VOCs	µg/L				ND	ND	ND	ND	ND	ND
TCLP SVOCs	µg/L				ND	ND	ND	ND	ND	ND
TCLP PESTICIDES	µg/L				ND	ND	ND	ND	ND	ND
TCLP HERBICIDES	µg/L				ND	ND	ND	ND	ND	ND
TCLP METALs										
Arsenic	µg/L	5,000			78.5 B	ND	ND	53.2 B	53.3 B	ND
Barium	µg/L	100,000			95.1 B	53.2 B	58.0 B	51 B	69.3 B	55.6 B
Chromium	µg/L	5,000			21.4 B	13.8 B	14.5 B	14.4 B	22.6 B	11.9 B
Lead	µg/L	5,000			200	31.6	30.9	34.9	82.3	ND
Mercury	µg/L	200			ND	ND	ND	ND	4.1	2
GRO	µg/Kg				ND	ND	ND	ND	ND	ND
DRO	µg/Kg				21	ND	ND	ND	82	ND
WET CHEMISTRY										
Corrosivity	std. units				8.1	8.7	9.0	8.6	8.7	8.3
Ignitability	°F				UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.
Cyanide_Reactive	mg/kg				ND	ND	ND	ND	ND	ND
Sulfide_Reactive	mg/kg				ND	ND	ND	ND	ND	ND

NOTES:
SAMPLE IDENTIFIERS
TP-01/E-02/09/15/2000= TP-01 test pit location, E-01 sample number, 09/25/2000 date of sample collection.

Table 4-8
Newtown Creek
Analytical Soil Sampling Results-Test Pit Composite Samples (09/25/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria: 40 CFR Section 261 (ppb)	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	TP-01	TP-02	TP-03	TP-04	TP-05	TP-06
					E-02	E-02	E-02	E-02	E-02	E-02
					09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00

(1) Values in parentheses are the Method Detection Limits (MDLs).

QUALIFIERS
J= estimated value.
B= reported value is less than the contract required detection limit, but greater than or equal to the instrument detection limit.
ND= non-detect.
NE= Criteria not established.

EXCEEDANCES
=the sample exceeds the Guidance criteria.
=the sample exceeds the NYSDEC STARS Memo #1 Guidance criteria.

There were no exceedances for TCLP parameters or RCRA characteristics detected in any of the composite soil samples collected. TPH - GRO were not detected in any of the soil samples.

TCL VOCs were not detected in any of the discrete soil samples collected. Five TCL SVOCs, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(a)pyrene, Chrysene, Benzo(k)flouranthene exceeded the TAGM soil criteria along Kingsland Avenue. Along Whale Creek Canal, concentrations detected at 3 to 3.5 feet bgs include Phenanthrene at 7.1 mg/kg, Fluoranthene at 11 mg/kg, Pyrene at 10 mg/kg, and Anthracene at 1.9 mg/kg, all well below the TAGM objective of 50 mg/kg.

Nine TAL Metals exceeded the TAGM soil criteria along Kingsland Avenue and Whale Creek Canal: arsenic, beryllium, chromium, copper, iron, nickel, selenium, vanadium, and zinc. At one soil boring location, eight metals exceeded the TAGM objectives at both the 3- to 3.5 foot depth and the 13.5 to 14.0 foot depth.

Mercury exceeded the TAGM criteria of 0.1 mg/kg in all but two sampling locations along both Kingsland Avenue and Whale Creek Canal. The highest concentration of mercury (1.2 mg/kg) was from the 3 to 3.5 foot interval. Mercury at the 13.5 to 14.0 foot depth was below the TAGM.

PCBs were detected in two soil samples along Whale Creek Canal but were below the TAGM criteria. The maximum PCB concentration was 32 ug/kg from the 0 to 5 foot depth interval from one of the two sample locations. TAGM RSCO for PCBs is 1,000 ug/kg.

TPH – DRO were detected in four of the sampling locations along Whale Creek Canal, and one of the sample locations along Kingsland Avenue. Results ranged from 5 to 90 mg/kg.

Analytical results, specifically TAGM exceedances, indicate that low level soil contamination is present in the soil samples collected. Soils would be classified as a non-hazardous industrial waste. Soil contamination discovered in this area is consistent with the current and former land uses and surrounding industrial land uses.

4.4.4 QA/QC SAMPLES

A total of two field blanks were collected throughout this sampling program. These samples were analyzed for TCLP VOCs, SVOCs, and metals as shown in Table 4-9. Di-n-butylphthalate was detected in one field blank. Selenium was detected in the other field blank. Neither of these detections exceeded the RCRA TCLP limits.

4.5 UST INVESTIGATION

In 1997, the 1,000-gallon capacity No. 2 fuel oil UST was abandoned in place by filling with sand in accordance with all New York City Fire Department regulations. All associated tank piping was removed. Visible signs of petroleum contamination or odor were not observed during tank closure proceedings. One direct push discrete sample (SSF-DP-P4) was collected from the grounds immediately adjacent to the abandoned UST. The sample was analyzed for TCLP VOCs as shown in Table 4-3. There were no exceedences of the RCRA TCLP limits. A direct push composite sample was also collected from the same location. The sample was analyzed for TCLP SVOCs and TCLP metals as shown in Table 4-4. There were no exceedences of the RCRA TCLP limits.

Table 4-9
Newtown Creek
Analytical Soil Sampling Results-QA/QC Samples (09/25/00 10/26/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria 40 CFR Section 261 (ppb)	FIELD BLANK 09/25/00	FIELD BLANK 10/26/00
TCLP VOCs	µg/L		ND	ND
TCLP SVOCs				
Di-n-butylphthalate	µg/L		**3 J**	ND
TCLP METALs				
Selenium	µg/L	1,000	-	**41 B***

NOTES:
QUALIFIERS
J= estimated value.
ND= non-detect.
*= duplicate analysis not within limits.

5.0 IMPACTS TO CONSTRUCTION ACTIVITIES

5.1 SOIL SAMPLING AND DISPOSAL CONSIDERATIONS

All material to be excavated will be in-situ sampled by the Contractor to determine disposal. The Contractor shall provide a Field Sampling Plan to test all soils and fill materials for presence of chemicals to determine if material is Hazardous Waste, Industrial Waste, Petroleum-contaminated Waste or Construction and Demolition Debris. Materials to be excavated will be classified as regulated solid waste or non-regulated solid waste as follows:

Regulated Solid Waste:

1. Hazardous Solid Waste: Material shall be considered a characteristic hazardous waste when it exhibits any of the following characteristics: ignitability, corrosivity, reactivity, or toxicity for Volatile Organic Compounds (VOCs), semi-VOCs, metals, pesticides, or herbicides, as defined in 6 NYCRR Part 371 or 40 CFR Section 261. Under New York State (NYS) regulations, a material that contains greater than 50 ppm of PCBs is considered a hazardous waste. The Environmental Protection Agency (EPA) considers greater than 50 ppm of PCB to be a PCB-contaminated waste under Toxic Substances Control Act (TSCA). All hazardous waste shall be considered unsuitable, and shall be disposed of at an approved permitted hazardous waste landfill.

2. Industrial Waste: Solid waste generated by manufacturing or industrial processes. Such processes may include, but are not limited to the following: electric power generation; fertilizer/agricultural chemicals; inorganic chemicals; iron and steel manufacturing; organic chemicals; and all other materials as defined in 6 NYCRR Part 360. The forms of such wastes are exemplified by but not limited to: liquids such as acids, alkalis, caustics, leachate, petroleum (and its derivatives), and processes or treatment wastewaters; sludges which are semi-solid substances resulting from process or treatment operations or residues from storage or use of liquids; solidified chemicals, paints or pigments; and dredge spoil generated by manufacturing or industrial processes, foundry sand, and the end or by-products of incineration or other forms of combustion.

   Soil and fill material containing industrial waste shall be considered industrial waste. Evidence that a soil or fill material contains industrial waste shall include visual identification of waste, chemical odors, vapor emission, chemical staining, and analytical data that exceeds that exceeds the concentration limits in (1) NYS DEC Technical Administrative Guidance Memorandum (TAGM) HWR-94-4046 for VOCs, semi-VOCs, organic pesticides/herbicides, and heavy metals; or (2) Spill Technology and

Remediation Series (STARS) Memo # 1, NYSDEC, August 1992 guidelines, whichever is more stringent.

3. Construction and Demolition (C&D) Debris: Uncontaminated solid waste resulting from the construction, remodeling, repair and demolition of utilities, structures and roads; and uncontaminated solid waste resulting from land clearing. Such waste includes, but is not limited to bricks, concrete, and other masonry materials, rock, and uncontaminated soil. Uncontaminated solid waste means C&D debris that is not mixed with other solid waste (i.e., industrial waste) at the point of generation, processing or disposal, and that is not contaminated with spills of a petroleum product, hazardous waste, or industrial waste. Soil and fill material may only be considered uncontaminated if it is associated with analytical data that meets the concentration limits in the NYS DEC TAGM or STARS Memo #1, NYSDEC, August 1992 guideline, whichever is more stringent.

4. Petroleum-contaminated Waste: Exhibits a discernible petroleum-type odor, contains visible petroleum product, may be associated with a reported spill, or material associated with sample data that exceeds concentration limits in STARS Memo #1, NYSDEC, August 1992.

Non-regulated Solid Waste: This applies to materials that, before being beneficially used (as determined by the NYS DEC), were solid waste. Material is no longer considered solid waste when used as described: uncontaminated soil which has been excavated as part of a construction project, and which is being used as a fill material, in place of soil native to the site of disposition; non-hazardous contaminated soil which has been excavated as part of a construction project, other than a NYS DEC-approved or undertaken inactive waste disposal site remediation program, and which is used as backfill for the same excavation or excavations containing similar contaminants at the same site. Excess materials on these projects are subject to the requirements of 6 NYCRR Part 360; non-hazardous petroleum-contaminated soil which has been decontaminated to the satisfaction of the NYS DEC and is being used in a manner acceptable to the NYS DEC; recognizable, uncontaminated concrete and concrete products, asphalt pavement, brick, glass, soil and rock placed in commerce for service as a substitute for conventional aggregate; nonhazardous petroleum-contaminated soil when incorporated into asphalt pavement products by a producer authorized by the NYS DEC; and all other uses as described in 6 NYCRR Part 360, Section 360-1.15.

Materials to be excavated includes all material removed from the ground regardless of type, character, composition, moisture, or condition thereof. All material will be classified by the Engineer, prior to excavation, following receipt of in-situ soil sampling results from the Contractor, and disposed of accordingly.

The Contractor's Field Sampling Plan will include an indication of the specific frequency of in-situ samples per unit volume as required by the approved disposal facililty chosen by the Contractor, but not fewer than one composite sample for each 500 cubic yards of material to be excavated. Parameters analyzed shall be at a minimum full RCRA Characteristics and TCLP VOCs, Semi-VOCs, Metals, Pesticides/Herbicides, and all other required Disposal Facility criteria.

5.2 EXCAVATION ACTIVITIES

Given the presence of SVOCs in soil samples collected at levels that exceed the concentration limits in TAGM and STARS, and the presence of DRO and GRO, excavated soils may be classified as non-hazardous industrial waste or non-hazardous petroleum-contaminated waste. Routes of exposure to SVOCs include dermal contact and inhalation of contaminated dust. Dust suppression activities should be implemented during construction to reduce inhalation risks. Site workers should be directed to use gloves and appropriate personal protective equipment (PPE), such as coveralls to reduce dermal contact risks. Planned excavations should be continuously monitored for hazardous atmospheres.

5.3 CONSTRUCTION DEWATERING

A Long Island Well Permit is necessary when wells are installed to withdraw water for any purpose and when the total capacity of such well or wells on any one property is in excess of 45 gallons per minute (gpm) or 64,800 gallons per day (gpd). This includes temporary or permanent dewatering wells.

To direct dewatering effluent to the sanitary or combined sewer system, a NYC DEP Wastewater Quality Control Permit and a NYC DEP Sewer Use Permit will be required. The Sewer Use Permit is applicable only if pumping rates during dewatering exceed 10,000 gallons per day.

Under the Wastewater Quality Control Permit, pre-treatment of dewatering effluent prior to discharge may be required. In general, the treatment system will consist of an oil/water separator and a carbon treatment system. Prior to dewatering, a pilot test of the effluent treatment system must be run and a sample of treated effluent analyzed for TPH, pH, copper, nickel, zinc, cadmium, chromium (VI), lead, mercury, TSS, BTEX, PCBs MTBE, tetrachloroethylene, and naphthalene, and flash point. Analytical results must be submitted to the NYC DEP prior to the startup of dewatering operations. It should be noted that there is a laboratory two-week turn-around time for some of these parameters and that the Contractor should factor this into his overall schedule. In addition, permitting agencies must be notified in writing prior to the commencement of discharge. Each permit is valid for one year and must be renewed at the end of that period.

5.4 ASBESTOS-CONTAINING MATERIAL

According to EPA/NESHAP and New York State regulations, all friable and non-friable asbestos containing material (ACM) that might become friable must be removed prior to any demolition and/or renovation activity that may disturb ACM or preclude access to the ACM for subsequent removal. This should be accomplished through preparation of specifications requiring state-of-the-art equipment and methods of abatement. A New York State-certified project designer must prepare the abatement design documents. Independent project monitoring/management should be performed to oversee removal activities and to provide safety for area occupants and workers during the removal operation. Asbestos abatement must be conducted in accordance with New York City Local Law 56.

5.5 LEAD-BASED PAINT

If construction and/or demolition activities at the Sludge Storage Tank result in a disturbance of paint, or if paint removal is conducted, monitoring for lead contamination and the appropriate disposal of paint wastes and residues will be required. The disposal of painted components must be conducted in accordance with applicable State and Federal regulations, including the Resource Conservation and Recovery Act (RCRA) hazardous waste regulations.

Under RCRA regulations, lead-contaminated waste is regulated as a hazardous waste if the Toxicity Characteristic Leaching Procedure (TCLP), a laboratory analytical procedure that simulates the leaching action in a landfill, results in a test leachate with a lead concentration in excess of 5.0 milligrams per liter. According to the EPA's March 1993 report, *Applicability of RCRA Disposal Requirements to Lead-based Paint Abatement Waste*, solid wastes such as woodwork, plaster, doors, and similar building components were generally found to be hazardous wastes when the lead level in the paint exceeded 4.0 milligrams per square centimeter (mg/cm2). Out of 44 XRF readings taken, 7 readings met or exceeded this guideline.

Wastes intended for recycling are exempt from the definition of solid/hazardous waste under the RCRA regulations. However, the operators must be notified of the presence of lead paint on disposed material to ensure proper handling.

Construction work where an employee may be occupationally exposed to lead is regulated by OSHA in 29 CFR 1926.62. Work covered under this standard includes but is not limited to: demolition or salvage of structures where lead or materials containing lead are present; removal or encapsulation of materials containing lead; new construction, alteration, repair or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead; and

transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed.

The standard limits worker exposure to 50 micrograms/cubic meter of air over an 8-hour Time Weighted Average (TWA). Various levels of employee exposure/types of work tasks are listed in the standard with corresponding Personnel Protective Equipment (PPE) (such as respirators), as well as monitoring and medical surveillance requirements. The contractor will be responsible for following the requirements of OSHA's lead standard during work tasks to be conducted at the Sludge Storage Tank.

It is recommended that the results of the lead-based paint survey be attached to the contract specifications/bid documents for the contractor's information and assessment of disposal options for any demolition debris generated. It is also recommended that the contractor be directed to sample and characterize (i.e., by TCLP lead analysis) demolition debris with painted surfaces to determine the appropriate disposal activities.

5.6 PCB-IN-PAINT

For construction and demolition activities affecting materials and structures coated with PCB-containing paint, refer to the "Guidelines for the Safe Handling of Paint Dust & Residues" issued by the NYCDEP's Bureau of Wastewater Treatment (BWT). All contract work involving lead and/or PCBs shall be performed to minimize the creation of airborne dust; minimize the quantity of hazardous waste generated; protect the health and welfare of all site personnel and the public; and avoid adverse environmental impacts.

If demolition activities are to take place, additional sampling may be necessary to characterize any materials that were not identified during this investigation, and determine the extent of PCB contamination from surfaces that were painted with PCB-containing paints. In addition, monitoring for contamination during work-related activities and properly disposing of wastes and residues containing PCBs that are generated during these activities will be required. The disposal of PCB-containing materials and contaminated surfaces must be conducted in accordance with any applicable local, state and federal regulations, including the Toxic Substances Control Act (TSCA).

Under TSCA, disposal requirements for PCB-containing materials (including paint) or PCB-contaminated surfaces generally become applicable when the concentration of PCBs in a material are $\geq$ 50 ppm, or the concentration of PCB residue on a surface is $\geq$ 10 $\mu g/100\ cm^2$. However, certain PCB-containing materials (e.g., light ballasts) may be able to be recycled under the EPA's universal waste regulations.

The results of this investigation will be attached to the contract specifications/bid documents for the contractor's information and for the assessment of disposal options for any demolition debris generated. The contractor will be directed to sample and characterize (e.g., totals analysis) demolition debris with PCB-containing materials (including painted building components) and/or PCB-contaminated surfaces, as well as any suspect materials or surfaces that were not identified or sampled during the investigation to determine the appropriate disposal or recycling requirements.

5.7 FUGITIVE DUST EMISSIONS

The Contractor is responsible for controlling visible dust caused by work operations and the moving of vehicles and equipment. The Contractor will implement dust control when soils are exposed, before, during, and after the work activity ceases. Dust control will also be required on the weekend. Application of water when visible dust is present on-site, or other such methods, will be subject to the Engineer's approval. The use of chemicals for dust control, including calcium chloride, will not be allowed.

Care will be taken to minimize the formation of dust when loading and transporting materials to and from the work area. To prevent dust generation, application of water to roadways and active work areas will be utilized as required. The Contractor's air monitoring operations and dust minimization activities will be in accordance with his site-specific health and safety plan (HASP).

5.7 NOISE CONTROL

The Contractor shall control and minimize noise caused by operation and movement of vehicles and equipment to the greatest degree practicable. Noise levels shall conform to the latest OSHA standards, and all other applicable Federal, State and local regulations. Noise precautions shall include the following:

- All construction equipment powered by an internal combustion engine shall be equipped with a properly maintained muffler.
- Air compressors shall be operated in accordance with the manufacturer's instructions for proper noise abatement.
- Air powered equipment shall be fitted with pneumatic exhaust silencers.

All sound attenuation measures shall comply with the following City noise code regulations:

- Exterior Mechanical Equipment: the Building Code of the City of New York, Title 27, Chapter 1, Subchapter 12, Subarticle 1208.3, Paragraph 27-770, concerns windows of dwelling units facing mechanical equipment and the

noise output limitation from exterior mechanical equipment as measured within the interior of the dwelling unit.

- Ambient Noise Quality: the Building Code of New York, Title 24, Chapter 2, Subchapter 6, concerns ambient noise quality criteria and standards which indicates the maximum outdoor sound levels in specific ambient noise quality zones for day-time and night-time standards.

APPENDIX A
Asbestos Inspection Report

DONOHOE ENVIRONMENTAL, INC.

39 Bowery #684 New York, New York 10002

Phone: 212 260-9818 Fax:212 673-7215

June 28, 2000

Ms. Brenda O'Shea
Malcolm Pirnie, Inc.
104 Corporate Park Drive, Box 751
White Plains, New York 10602

Re: Asbestos survey for the Newtown Creek WPCP pump building on Dupont Avenue in Greenpoint, New York.

Dear Ms. O'Shea:

Enclosed are the results of analysis for 3 bulk samples taken from the above location. The material collected was millboard pipe insulation found in the pump building. There is approximately 100 linear feet of millboard pipe insulation in the building.

The bulk insulation samples collected were analyzed in accordance with the protocol set forth in EPA method 600/M4-82-020. This method utilizes polarized light microscopy and dispersion staining techniques to identify asbestos fibers. All samples were analyzed in a NVLAP certified laboratory

The samples were analyzed by *Scientific Laboratories, Inc.*, an ELAP and NVLAP accredited laboratory.

Feel free to call if you have any questions.

Sincerely,

Timothy J. Donohoe

Timothy J Donohoe
Donohoe Environmental, Inc.

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES, INC.
117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

Donohoe Environmental, Inc.
Attn: Tim Donohoe
39 Bowery Box 684

New York, NY 10002

Date Received 06/23/2000 **SciLab Job No.** 200063308
Date Examined 06/25/2000 **P.O. #**
ELAP Number 11480 **Page** 1 **of** 1
RE: Newton Creek; Pump Building, DuPont Street

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
0622TD01	200063308-01	*Yes*	1.3 %

1 **Location:** Bulk Material

Description: Beige/Black, Heterogeneous, Pipe Insulation (Millboard)
Asbestos Types: Chrysotile 1.3 %
Other Material: Cellulose 80. %, Non-fibrous 18.7 %

0622TD02 200063308-02 NA/PS

1 **Location:** Bulk Material

Description: Pipe Insulation (Millboard)
Asbestos Types:
Other Material:

0622TD03 200063308-03 NA/PS

1 **Location:** Bulk Material

Description: Pipe Insulation (Millboard)
Asbestos Types:
Other Material:

Reporting Notes:

Analyzed by: Paul Mucha Paul Mucha By R Barley

*NAD/NSD = no asbestos detected; NA = not analyzed; NAPS = not analyzed positive stop; Bulk Asbestos Analysis per 40 CFR 763, Subpart F, Appendix A and ELAP Analysis Protocols 198.1/198.4 for NY samples; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in NY State (see also EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates ONLY to the items tested. ELAP #11480, Vt. Cert. #AL016055

Reviewed By:_____

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES, INC.
117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

200063308

Company: Dandelion

Address:

P.O.#:

Project Information

Name: Newtown Creek Pump Building Dupont St

Number:

Manager:

Site (City/State):

Results to: Dandelion

Invoice to:

Written report to:

COMMENTS: Lead for 1st positive

Analysis Type	Turnaround Time 6-8hr	12hr	24hr	48hr	72hr	5day	Other
TEM/AHERA							
TEM/Level II							
TEM/Chatfield							
TEM/Dust							
TEM/Water							
PCM					X		
PLM							
Lead							
Other							

Air Filter Information

MCE	
PC	
25mm	
37mm	
0.45um	
0.80um	
Other:	

Return Samples Yes___ No___

Phone ___/___

Fax ___/___

Pager ___/___

Sample I.D.	Sample Location	Start Time	Stop Time	Total Time	Liters/Min	Air Volume	Date Collected
062200TD01	Mill board Pipe insulation						
TD02							
TD03							

Relinquished By (Signature): [signature] Date:

Received By (Signature): [signature] @21:44 Date: 6/23/00

TOTAL P.03

APPENDIX B
Lead Paint Inspection Report

MLI

MANDELL LEAD INSPECTORS, INC.

8 HIGHVIEW TERRACE • BLOOMFIELD, NJ 07003 • (973)338-4099 • (908)964-0263 • FAX (973)338-4055

LEAD PAINT INSPECTION REPORT

INSPECTION FOR: Malcolm Pirnie, Inc.
104 Corporate Park Drive
P.O. Box 751
White Plains, NY 10602-0751

PERFORMED AT: Sludge Storage Tank
Dupont Street
New York, NY

INSPECTION DATE: 06/22/00

INSTRUMENT TYPE: SCITEC
XRF TYPE ANALYZER
Serial Number: 1411

ACTION LEVEL: 1.0 mg/cm2

OPERATOR LICENSE: NY/EPA Certification # NY-01-042003-167

THIS REPORT IS NON TRANSFERABLE

The measurements contained within are accurate to the best of our knowledge. Mandell Lead Inspectors Inc. does not under any circumstances make any representation guarantee or warranty as to the reported or future condition of the property.

SIGNED: Stuart A Casciano Date: 6-23-00

Stuart A. Casciano
Mandell Lead Inspectors, Inc.
8 Highview Terrace
Bloomfield, NJ 07003
(973) 338-4099
NY/EPA Certification # NY-01-042003-256

Mandell Lead Inspectors, Inc.
8 Highview Terrace

Bloomfield NJ 07003

Mandell Lead

Customer:

Project Name: Sludge Storage Tank

Site Name: Dupont Street
Brooklyn, NY

Action Level 1.000 mg /cm2 Lab 1.000 mg /cm2

Total Assays Reported 55

#	Site	Room Tested	#	Wall	Component	Substrate	Paint Condition	K-Shell mg/cm2	L-Shell mg/cm2	Map #	Type	Result
3380	0001	Calibration	*	*	*	*	*	0.000 X	0.000 X	0	ID	
3381	0001	Calibration	*	*	*	*	*	1.196 K	0.972 L	411	TEST	Pos
3382	0001	Calibration	*	*	*	*	*	0.907 K	1.061 L	411	TEST	Incl
3383	0001	Calibration	*	*	*	*	*	0.874 K	0.969 L	411	TEST	Incl
3384	0001	Calibration	*	*	*	*	*	0.934 K	1.034 L	411	TEST	Incl
3385	0001	Calibration	*	*	*	*	*	1.005 K	1.023 L	411	TEST	Incl
3386	0001	Pump Room	1	A	Wall	Concrete	Intact	-0.250 K	-0.601 L	411	UNLM	Neg
3387	0001	Pump Room	1	A	Door	Metal	Intact	-0.645 S	0.000 X	411	UNLM	Neg
3388	0001	Pump Room	1	A	Door Molding	Metal	Intact	0.458 S	0.000 X	411	UNLM	Neg
3389	0001	Pump Room	1	A	Wall	Masonry	Intact	-1.922 K	-0.648 L	411	UNLM	Neg
3390	0001	Pump Room	1	A	Motor	Metal	Intact	6.121 S	0.000 X	411	UNLM	Pos
3391	0001	Pump Room	1	A	Pump	Metal	Fair	9.235 S	0.000 X	411	UNLM	Pos
3392	0001	Pump Room	1	A	Pipe	Metal	Fair	12.496 S	0.000 X	411	UNLM	Pos
3393	0001	Pump Room	1	A	Motor	Metal	Intact	-0.027 S	0.000 X	411	UNLM	Neg
3394	0001	Pump Room	1	A	Pump	Metal	Fair	-0.413 S	0.000 X	411	UNLM	Neg
3395	0001	Pump Room	1	A	Pump	Metal	Fair	-0.423 S	0.000 X	411	UNLM	Neg
3396	0001	Pump Room	1	A	Pipe	Metal	Fair	-0.247 S	0.000 X	411	UNLM	Neg
3397	0001	Pump Room	1	D	18" Valve	Metal	Intact	9.439 S	0.000 X	411	UNLM	Pos
3398	0001	Pump Room	1	D	18" Pipe	Metal	Fair	6.323 S	0.000 X	411	UNLM	Pos
3399	0001	Pump Room	1	D	Pipe Support	Metal	Fair	11.330 S	0.000 X	411	UNLM	Pos

 No Averaging Selected

Mandell Lead Inspectors, Inc.
8 Highview Terrace

Bloomfield NJ 07003

Mandell Lead

Customer:

Project Name: Sludge Storage Tank

Site Name: Dupont Street
Brooklyn, NY

Action Level 1.000 mg /cm2 Lab 1.000 mg /cm2

Total Assays Reported 55

#	Site	Room Tested	#	Wall	Component	Substrate	Paint Condition	K-Shell mg/cm2	L-Shell mg/cm2	Map #	Type	Result
3400	0001	Pump Room	1	A	18" Valve	Metal	Intact	-0.692 S	0.000 X	411	UNLM	Neg
3401	0001	Pump Room	1	A	18" Valve	Metal	Intact	-0.071 S	0.000 X	411	UNLM	Neg
3402	0001	Pump Room	1	B	18" Valve	Metal	Intact	-0.371 S	0.000 X	411	UNLM	Neg
3403	0001	Pump Room	1	B	18" Pipe	Metal	Intact	-0.641 S	0.000 X	411	UNLM	Neg
3404	0001	Pump Room	1	B	18" Valve	Metal	Fair	-0.192 S	0.000 X	411	UNLM	Neg
3405	0001	Pump Room	1	B	18" Valve	Metal	Intact	-1.216 S	0.000 X	411	UNLM	Neg
3406	0001	Pump Room	1	B	Wall	Concrete	Intact	-0.127 K	-0.110 L	411	UNLM	Neg
3407	0001	Pump Room	1	C	Wall	Masonry	Intact	0.209 K	-0.235 L	411	UNLM	Neg
3408	0001	Pump Room	1	D	Wall	Concrete	Intact	0.417 K	-0.246 L	411	UNLM	Neg
3409	0001	Pump Room	1	C	Pump Support	Metal	Poor	-0.334 S	0.000 X	411	UNLM	Neg
3410	0001	Pump Room	1	A	Duct	Metal	Intact	0.038 S	0.000 X	411	UNLM	Neg
3411	0001	Pump Room	1	*	Ceiling	Concrete	Intact	-0.319 S	0.000 X	411	UNLM	Incl
3412	0001	Pump Room	1	*	Ceiling	Concrete	Intact	0.482 K	-0.392 L	411	UNLM	Neg
3413	0001	Pump Room	1	*	Ceiling	Concrete	Intact	-0.355 K	-0.551 L	411	UNLM	Neg
3414	0001	Pump Room	1	*	Floor	Concrete	Poor	0.436 K	-0.073 L	411	UNLM	Neg
3415	0001	Pump Room	1	A	Pump Support	Concrete	Fair	0.412 K	-0.220 L	411	UNLM	Neg
3416	0001	Pump Room	1	D	Pipe	Metal	Intact	0.596 S	0.000 X	411	UNLM	Neg
3417	0001	Pump Room	1	D	Pipe	Metal	Fair	12.755 S	0.000 X	411	UNLM	Pos
3418	0001	Electric Rm	1	C	Conduit	Metal	Intact	0.257 S	0.000 X	411	UNLM	Neg
3419	0001	Electric Rm	1	C	Elec. Panel	Metal	Fair	0.109 S	0.000 X	411	UNLM	Neg

 Limit Set: 0 Coding Set: 3 | No Averaging Selected

Mandell Lead Inspectors, Inc
8 Highview Terrace

Bloomfield NJ 07003

Mandell Lead

Customer:

Project Name: Sludge Storage Tank

Site Name: Dupont Street
Brooklyn, NY

Action Level 1.000 mg /cm2 Lab 1.000 mg /cm2

Total Assays Reported 55

#	Site	Room Tested	#	Wall	Component	Substrate	Paint Condition	K-Shell mg/cm2	L-Shell mg/cm2	Map #	Type	Result
3420	0001	Electric Rm	1	C	Wall	Concrete	Intact	0.284 K	-0.109 L	411	UNLM	Neg
3421	0001	Electric Rm	1	B	Wall	Masonry	Intact	0.380 K	-0.516 L	411	UNLM	Neg
3422	0001	Electric Rm	1	B	Tranformer	Metal	Fair	0.553 K	0.306 L	411	UNLM	Neg
3423	0001	Electric Rm	1	*	Floor	Concrete	Fair	0.628 K	-0.324 L	411	UNLM	Neg
3424	0001	Electric Rm	1	C	Conduit	Metal	Poor	-0.035 S	0.000 X	411	UNLM	Neg
3425	0001	Storage Rm	1	A	Wall	Concrete	Intact	0.476 K	-0.249 L	411	UNLM	Neg
3426	0001	Bathroom	1	B	Wall	Masonry	Intact	0.135 K	-0.451 L	411	UNLM	Neg
3427	0001	Bathroom	1	C	Door	Metal	Intact	0.175 S	0.000 X	411	UNLM	Neg
3428	0001	Exterior	1	C	Blower	Metal	Fair	-0.686 S	0.000 X	411	UNLM	Neg
3429	0001	Exterior	1	C	Belt Guard	Metal	Fair	0.130 S	0.000 X	411	UNLM	Neg
3430	0001	Calibration	*	*	*	*	*	1.034 K	1.116 L	411	TEST	Incl
3431	0001	Calibration	*	*	*	*	*	0.982 K	1.102 L	411	TEST	Incl
3432	0001	Calibration	*	*	*	*	*	1.163 K	1.155 L	411	TEST	Incl
3433	0001	Calibration	*	*	*	*	*	0.939 K	1.054 L	411	TEST	Incl
3434	0001	Calibration	*	*	*	*	*	1.203 K	1.148 L	411	TEST	Incl

APPENDIX B

WASTE CHARACTERIZATION REPORTS

11 November 2013

Marian Klein Feldt
Senior Vice President
Greenpoint Landing Developers, LLC
535 Madison Avenue
New York, NY 10022

Re: Waste Characterization Technical Letter Report
Greenpoint Landing – Building G1 and Proposed CSO
Brooklyn, New York
Langan Project No.: 170229002

Dear Marian:

Langan Engineering, Environmental, Survey and Landscape Architecture, D.P.C (Langan) prepared this Waste Characterization Technical Letter Report for Building G1 (Parcel G) and the proposed combined sewer overflow (CSO) and outfall in Parcel F at the Greenpoint Landing development project in Brooklyn, New York on behalf of Greenpoint Landing Developers, LLC (GLD). This letter report documents soil and groundwater sampling activities performed within the proposed footprint of Building G1 and the CSO and the analytical results for excess soil and groundwater that will be generated during construction. The report includes a description of sampling methodology, field observations, and a tabulated summary of laboratory analytical results. The purpose of the waste characterization investigation was to provide sufficient information to help evaluate construction costs related to management and disposal of excess soil and groundwater. The soil and groundwater analytical data presented herein may be used by the soil disposal contractor to obtain off-site receiving facility pre-approvals for the excess soil and groundwater generated during construction.

BACKGROUND

Site Description

Building G1 is located on Parcel G of the Greenpoint Landing development project. Parcel G is vacant and asphalt-paved and encompasses an area of about 85,999 square feet on the upland

part of Block 2472 Lot 100. Parcel G is bound by Commercial Street to the south, Parcel F to the west, Parcel H to the east, and the East River and Newtown Creek to the north. A plan of the Greenpoint Landing development project is presented as Figure 1.

The proposed at-grade building footprint of Building G1 is about 21,850 square feet. The proposed excavation footprint for Building G1 (including the cellar level) is about 26,000 square feet. Current grade within the excavation footprint of Building G1 ranges from about el. 7 to 10 BBHD[1].

The proposed CSO and outfall will be located on Parcel F of the Greenpoint Landing development project. Parcel F is currently vacant and asphalt-paved and encompasses an area of about 73,634 square feet on the upland part of Block 2472 Lot 100. Parcel F is bound by Commercial Street to the south, Newtown Barge Playground to the west, Parcel G to the east, and the East River and Newtown Creek to the north. Current grade within the footprint of the proposed CSO outfall ranges from about el. 6 to 11 BBHD.

Proposed Development

Building G1

The proposed development includes the construction of a 30-story residential tower (with cellar) with market-rate housing units, one level of underground parking, and three levels of aboveground parking. The development will require excavating an approximately 26,000-square-foot area to a depth of about 10 feet below current grade for the construction of the cellar level and foundation components. We estimate about 10,000 cubic yards of subsurface material will be excavated during construction.

Proposed CSO

The proposed development includes relocating a public 24-inch New York City Department of Environmental Protection (NYCDEP) CSO and outfall from Parcel G to Parcel F. The CSO drains the regulating chamber at the intersection of Commercial and Franklin streets. The new CSO will drain the same regulating chamber, but will be rerouted to Parcel F to accommodate the future development. The new CSO will be approximately 500 linear feet of 24-inch reinforced concrete pipe set in a concrete cradle supported by driven timber piles and will discharge to the

[1] All elevations referenced herein are with respect to the Borough of Brooklyn Highway Datum (BBHD), which is 2.56 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

East River through a new precast concrete outfall to be approved and permitted by the New York State Department of Environmental Conservation (NYSDEC). The first approximately 100 feet of the CSO will be installed in the public right-of-way (ROW) on Commercial Street; the remaining approximately 400 feet of the CSO will be installed within Parcel F. The segment of the CSO in the public ROW will be restored to Department of Transportation (DOT) specifications, which requires a 4-inch concrete sidewalk. The segment of the CSO within Parcel F will be backfilled, covered with asphalt pavement, and located beneath a future private driveway. The construction of the relocated CSO and outfall will require excavating an approximately 14,150-square-foot area on private property to a depth of 10 feet below grade with a 1.5 layback slope from the 5-foot wide pipe platform.[2] We estimate about 3,000 cubic yards (CY) of subsurface material will be excavated during construction.

SAMPLING METHODOLOGY

The waste characterization of Buildings G1 and the CSO outfall was performed during the period September 12-14, 2013. Our waste characterization grid system, sampling frequency, and analytical parameter list are conservative and based on the analytical requirements for soil reuse set forth by the NYC OER and typical receiving facility requirements. The design of our sampling program is not intended to meet the specific requirements of all receiving facilities and the soil disposal contractor may be required to perform additional soil sampling and analysis.

Building G1

Parcel G1 was divided into ten approximately 2,700-square-foot waste characterization grids. Waste characterization grids were composed of a shallow and deep cell, each representing approximately 500 CY of subsurface material. The shallow cell extends from the surface to approximately 5 feet below grade surface (bgs) and the deep cell extends approximately 5 to 10 feet bgs.

Proposed CSO

[2] As an alternative, industry standard steel trench boxes may be used to facilitate the construction of the proposed CSO. Assuming a 10-foot steel trench box is used along the full length (500 feet) of the proposed CSO, we estimate about 1,850 cubic yards of subsurface material will be excavated during construction.

The proposed CSO trench was divided into six approximately 2,400-square-foot waste characterization grids. Waste characterization grids were composed of cells extending from the surface to approximately 10 feet below grade surface (bgs) and comprising approximately 500 CY of subsurface material. The cells for the proposed CSO trench assume an excavation cut of 10 feet and a 1.5 layback slope from the 5-foot wide CSO pipe platform. The sampling program characterized the estimated maximum volume of soil and fill material to be excavated during the construction of the CSO.

Soil Investigation

Building G1

Twenty soil borings within the footprint of Building G1 were completed by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York under the supervision of Langan field engineers during the period September 12-13, 2013. Two soil borings (denoted "A" and "B") were completed within each waste characterization grid. Soil boring locations are presented in Figure 2.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 10 feet bgs. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field engineers. Boring logs for completed borings are provided as Attachment A. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each shallow and deep grid cell. Each sample set comprised one discrete sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the appropriate depth interval (i.e., shallow [0-5 feet bgs] or deep [5-10 feet bgs]) of the two soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval within the appropriate depth interval (i.e., shallow or deep) between the two soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were

collected at random if no evidence of contamination was observed. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Twenty sample sets and one duplicate sample were collected and submitted for laboratory analysis. Two field blank samples (one per sampling day) and ten trip blanks were collected and analyzed for quality assurance/quality control (QA/QC) purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid number and cell (i.e., shallow or deep) from which a sample was collected. A summary of all samples collected and submitted for laboratory analysis is provided as Tables 1A and 1B.

Proposed CSO

Twelve soil borings were completed by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York under the supervision of Langan field engineers on September 14, 2013. Two soil borings (denoted "A" and "B") were completed within each waste characterization grid. Soil boring locations are presented in Figure 3.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 10 feet bgs. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field engineers. Boring logs for completed borings are provided as Attachment B. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each grid cell. Each sample set comprised one grab sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the two soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval between the two soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Six sample sets were collected and submitted for laboratory analysis. Three trip blanks were collected and analyzed for quality assurance/quality control (QA/QC) purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid cell number from which a sample was collected. A summary of all samples collected and submitted for laboratory analysis is provided as Tables 2A and 2B.

Laboratory Analytical Program

All samples were containerized in laboratory-supplied glassware and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Alpha Analytical, Inc. of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol. Grab soil samples were analyzed for VOCs only by United States Environmental Protection Agency (USEPA) Method 8260C. Only one composite sample from Building G1 was analyzed for paint filter. No composite samples from the Proposed CSO were analyzed for paint filter. Composite soil samples were analyzed for the following parameters:

- Semi-volatile organic compounds (SVOCs) (USEPA Method 8270D)
- Polychlorinated biphenyls (PCBs) (USEPA Method 8082A)
- Organochlorine pesticides (USEPA Method 8081B)
- Herbicides (USEPA Method 8151A)
- Ttarget analyte list [TAL] metals (USEPA Method 6010C/7471B)
- Hexavalent chromium (USEPA Method 7196A)_
- Cyanide (USEPA Method 9010C/9012A)
- Toxicity characteristic leaching procedure [TCLP] Resource Conservation and Recovery Act (RCRA) 8 metals (USEPA Method 1311)
- Ignitability (USEPA Method 1030)
- Corrosivity (USEPA Method 9045D)
- Cyanide Reactivity (SW846 Chapter 7.3)
- Sulfide Reactivity (SW846 Chapter 7.3)
- Total petroleum hydrocarbons gasoline-range organics (TPH-GRO) (USEPA Method 8015C)
- Total petroleum hydrocarbons diesel-range organics (TPH-DRO) (USEPA Method 8015C)
- Paint filter (USEPA Method 9095A)

Soil samples were analyzed for the above parameters to meet the analytical requirements for soil reuse set forth by NYC OER and typical receiving facility analytical requirements. Trip blanks were analyzed for VOCs only.

The laboratory was instructed to report all analytes inclusive of the United States Environmental Protection Agency (USEPA) Target Compound Lists (TCL) and the Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375 lists. In addition, the laboratory was instructed to report the analytical data as an Analytical Services Protocol (ASP) Category A data deliverable and as an Electronic Data Deliverable (EDD) consistent with the New York State Department of Environmental Conservation (NYSDEC) requirements.

Groundwater Investigation

One groundwater monitoring well, MW-1, was installed within the footprint of Building G1 by ADT on September 13, 2013. However, Langan was unsuccessful in properly developing this well (yield was extremely low and the well did not recharge adequately during development presumably because the well screen was set in the very fine-grained native formation [e.g., clayey silt)] with low hydraulic conductivity). Therefore, Langan redeveloped and sampled one of its own geotechnical observation wells, GB-12(OW). GB-12(OW) was installed on June 5, 2013. GB-12(OW) was constructed with 10 feet of 2-inch Schedule 40 PVC solid riser pipe and 10 feet of 0.020-inch slotted Schedule 40 PVC well screen. The total depth of the well was 20 feet. Depth to water was measured to be approximately 8.12 feet below the top of the inner casing. The well annulus in the screened interval was filled with a No.2 Filpro pure silica sand primary filter pack. A 1-foot annular seal of hydrated bentonite was installed above the primary filter pack and screened interval. The annulus around the solid PVC riser pipe was filled with No.2 Filpro pure silica sand up to a cement-bentonite surface seal. The monitoring well was fitted with a locking well cap and flush-mounted, 8-inch manhole cover with a concrete collar.

Langan collected one groundwater samples from GB-12(OW) on September 19, 2013. The groundwater sample was collected in general accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010) and USEPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells*. The groundwater sample was collected using a stainless steel submersible pump connected to dedicated polyethylene tubing. Before the groundwater sample was collected, the well was gauged with an interface probe and then continuously purged at rate of about 500 mL/min until all groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature,

and oxidation-reduction potential) stabilized in accordance with the USEPA's low flow procedures for three consecutive readings. A multi-parameter water-quality system (YSI 6820) was used to monitor the groundwater quality parameters. The groundwater sampling log for GB-12(OW) is provided as Attachment C. Before sampling, depth to groundwater was measured at 8.12 feet below the top of the inner well casing.

The groundwater sample was containerized in laboratory-supplied glassware and submitted to a NYSDOH ELAP-certified laboratory (Alpha) via courier service under standard chain-of-custody protocol. A summary of the laboratory analyses performed on the groundwater sample is provided as Table 3. The groundwater sample was analyzed for the NYCDEP discharge effluent parameters and the NYSDEC Region 2 State Pollutant Discharge Elimination System (SPDES) and Long Island Well Permit Application dewatering parameters. The laboratory was instructed to report all analytical data in an ASP Category A data deliverable and as an EDD consistent with the NYSDEC requirements.

FIELD OBSERVATIONS

Building G1

The stratigraphy underlying Building G1 comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to about 10 feet bgs (end of borings) across most of the sampling area and is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, slag, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings, except borings SB-3B, SB-4B, SB-5B, SB-7A, SB-7B, SB-9B, and SB-10A, at depths ranging from about 0.5 to about 10 feet bgs. Coal ash, fly ash, and/or cinders were identified in all completed borings, except borings SB-1B, SB-3B, SB-5A, and SB-6B, at depths ranging from about 0.5 to about 10 feet bgs. Slag was identified in borings SB-3A, SB-4B, SB-9A, SB-9B, and SB-10B, at depths ranging from about 4 to about 10 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to greater than 9,999 ppm. PID readings above 50 ppm were identified in borings SB-3A (0 to 5 feet bgs), SB-3B (0 to 5 feet bgs), SB-5B (0 to 5 feet bgs) and SB-6A (2 to 8 feet bgs). The PID readings above 50 ppm correspond to the presence of historic fill material and road base material in three of the four locations. At SB-6A, the PID readings above 50 ppm correspond to the presence of wood fragments. No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or

other gross contamination was identified in any of the completed borings. Boring logs for Building G1 are provided as Attachment A.

Proposed CSO

The stratigraphy within the proposed CSO trench comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to about 10 feet bgs across most of the sampling area and is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, slag, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings, except borings SB-1B, SB-6A, and SB-6B, at depths ranging from about 0 to about 10 feet bgs. Coal ash, fly ash, and/or cinders were identified in all completed borings, except borings SB-5B and SB-6B, at depths ranging from about 0 to about 10 feet bgs. Slag was identified in all completed borings, except SB-1A and SB-5A, at depths ranging from about 2 to about 10 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to 1,400 ppm. PID readings above 50 ppm were identified in borings SB-2A (2 to 9 feet bgs), SB-2B (1 to 6 feet bgs), SB-3A (6 to 10 feet bgs), SB-4A (3 to 9 feet bgs), SB-4B (6 to 8 feet bgs), SB-5A (0 to 4 and 8 to 10 feet bgs), SB-5B (0 to 10 feet bgs), and SB-6A (0 to 10 feet bgs). No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or other gross contamination was identified in any of the completed borings. Boring logs for the proposed CSO outfall are provided as Attachment B.

ANALYTICAL RESULTS

The analytical soil results were tabulated and compared to the following regulatory criteria:

- Title 6 of the New York Codes, Rules, Regulations (NYCRR) Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs);
- 6 NYCRR Part 375-6.8(b) Restricted Use Restricted-Residential SCOs;
- New Jersey Administrative Code (N.J.A.C.) 7:26D Remediation Standards, Appendix 1, Table 1A – Residential Direct Contact Soil Remediation Standards;
- N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1B – Non-Residential Direct Contact Soil Remediation Standards; and
- Title 40 Code of Federal Regulations (CFR) 261 Subpart C and Table 1 of 40 CFR 261.24 Maximum Concentrations of Contaminants for the Toxicity Characteristic.

The analytical soil results for Building G1 are presented in Tables 4A, 4B, 4C, 4D and 4E. The analytical soil results for the proposed CSO outfall are presented in Tables 5A, 5B, 5C, 5D, and 5E. Quality assurance and quality control (QA/QC) sample analytical results for Building G1 are presented in Table 6. QA/QC sample analytical results for the proposed CSO outfall are presented in Table 7.

The analytical groundwater results were compared to the following regulatory criteria:

- NYCDEP Limitations for Effluent to Sanitary or Combined Sewers;
- NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class I Waters; and
- NYSDEC TOGS 1.1.1 Groundwater Effluent Limitations for Class GA Waters and 6 NYCRR Part 703.6 Groundwater Effluent Limitations for Discharges to Class GA Waters.

The analytical groundwater results for Building G1 are presented in Tables 8, 9 and 10.

The laboratory analytical data reports for soil samples are provided as Attachment D. The laboratory analytical data reports for groundwater samples are provided as Attachment E. A copy of Alpha's ELAP certification is provided as Attachment F.

LIMITATIONS

This report was prepared expressly for Greenpoint Landing Developers, LLC and for the objectives defined herein. Langan cannot assume responsibility for the use of this Report for any property other than the specific property addressed in this report, or by any third party without specific written authorization from Langan.

The observations and results provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations. Langan is providing the waste classification data contained herein to assist the contractor in their efforts to gain approval from facilities for disposal of material. Based on the facility selected, the Contractor may be required to collect

additional samples and have additional laboratory analysis completed. Langan is in no way responsible for the waste characterization grid, including marking out or maintaining or ensuring the accuracy of the grid. Handling, characterizing, marking out grids, excavating, transporting and disposing of material is solely the responsibility of the Contractor.

CLOSING

Should you have any questions regarding the findings presented in this report, please feel free to call us at 212-479-5400. We look forward to assisting you on this project.

Sincerely,

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

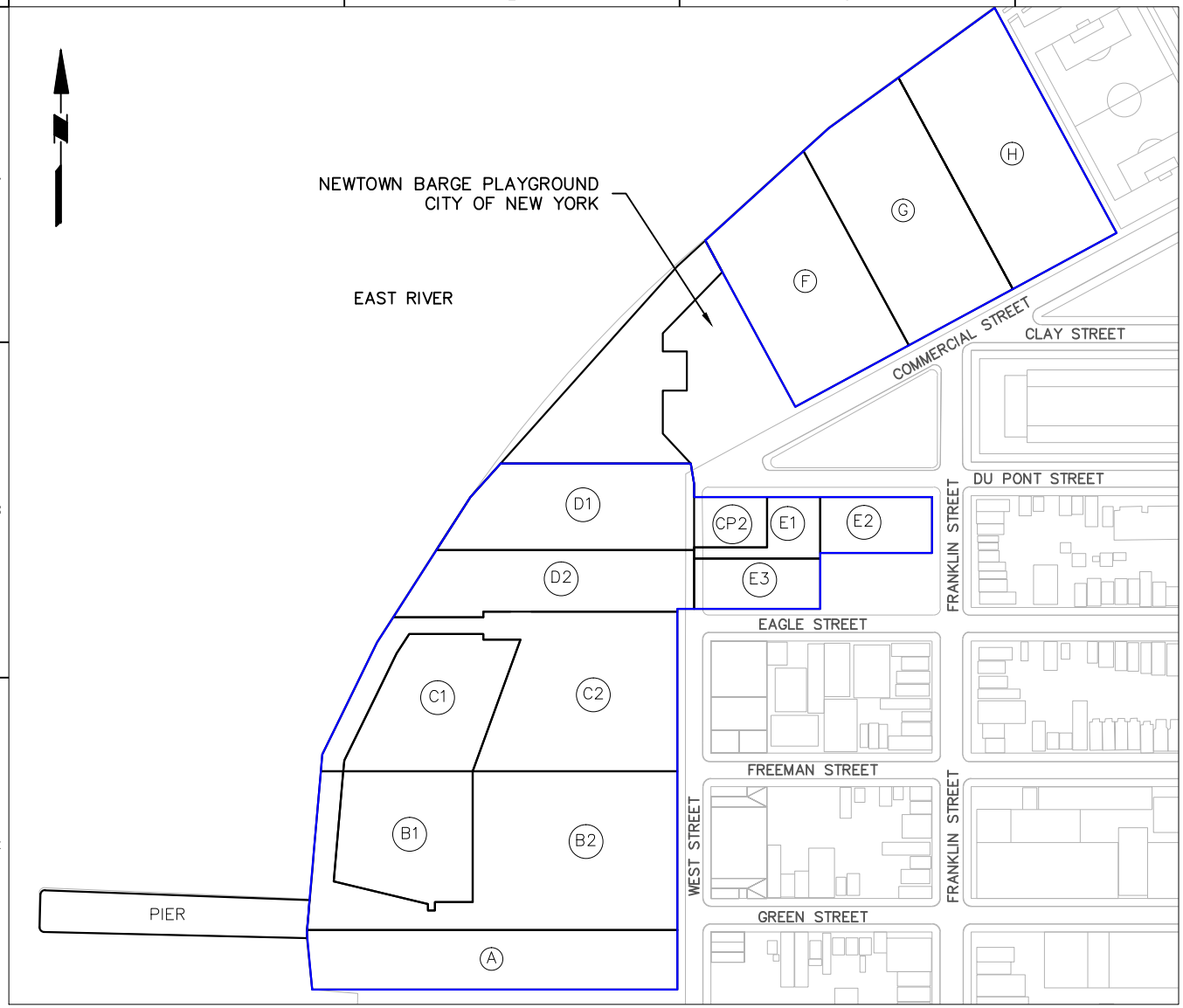
Mimi S. Raygorodetsky
Senior Project Scientist

cc: G.Wyka (Langan)
M.Chertok (SPR)

Enclosure(s): Figure 1 – Greenpoint Landing Development Project
Figure 2 – Building G1 – Waste Characterization Sampling Location Map
Figure 3 – Proposed CSO – Waste Characterization Sampling Location Map
Table 1A – Building G1 – Soil Sample Summary
Table 1B – Building G1 – QA/QC Sample Summary
Table 2A – Proposed CSO – Soil Sample Summary
Table 2B – Proposed CSO – QA/QC Sample Summary
Table 3 – Building G1 – Groundwater Sample Summary
Table 4A – Building G1 – Grab Soil Sample Results Summary (NY)
Table 4B – Building G1 – Composite Soil Sample Results Summary (NY)
Table 4C – Building G1 – Grab Soil Sample Results Summary (NJ)
Table 4D – Building G1 – Composite Soil Sample Results Summary (NJ)
Table 4E – Building G1 – Composite Soil Sample Results Summary (Federal)
Table 5A – Proposed CSO – Grab Soil Sample Results Summary (NY)
Table 5B – Proposed CSO – Composite Soil Sample Results Summary (NY)
Table 5C – Proposed CSO – Grab Soil Sample Results Summary (NJ)
Table 5D – Proposed CSO – Composite Soil Sample Results Summary (NJ)
Table 5E – Proposed CSO – Composite Soil Sample Results Summary (Federal)
Table 6 – Building G1 – QA/QC Sample Results Summary

Table 7 – Proposed CSO – QA/QC Sample Results Summary
Table 8 – Building G1 – Groundwater Sample Results Summary (NYCDEP)
Table 9 – Building G1 – Groundwater Sample Results Summary (Class I)
Table 10 – Building G1 – Groundwater Sample Results Summary (Class GA)
Attachment A – Building G1 – Boring Logs
Attachment B – Proposed CSO – Boring Logs
Attachment C – Building G1 – Groundwater Sampling Logs
Attachment D – Laboratory Analytical Data Reports (Soil)
Attachment E – Laboratory Analytical Data Reports (Groundwater)
Attachment F – Analytical Laboratory Certification

FIGURES



LEGEND

- APPROXIMATE PROJECT BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- (A) PARCEL ID

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "310215-FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. NORTH ARROW SHOWS PROJECT NORTH.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

300 0 150 300

SCALE IN FEET

LANGAN

21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC

Collectively known as Langan

Project

GREENPOINT LANDING

BROOKLYN

KINGS NEW YORK

Drawing Title

GREENPOINT LANDING DEVELOPMENT PROJECT

Project No. 170229002	Drawing No. 1
Date 11/04/2013	
Scale 1" = 300'	
Drawn By GCW	
Submission Date	Sheet 1 of 3

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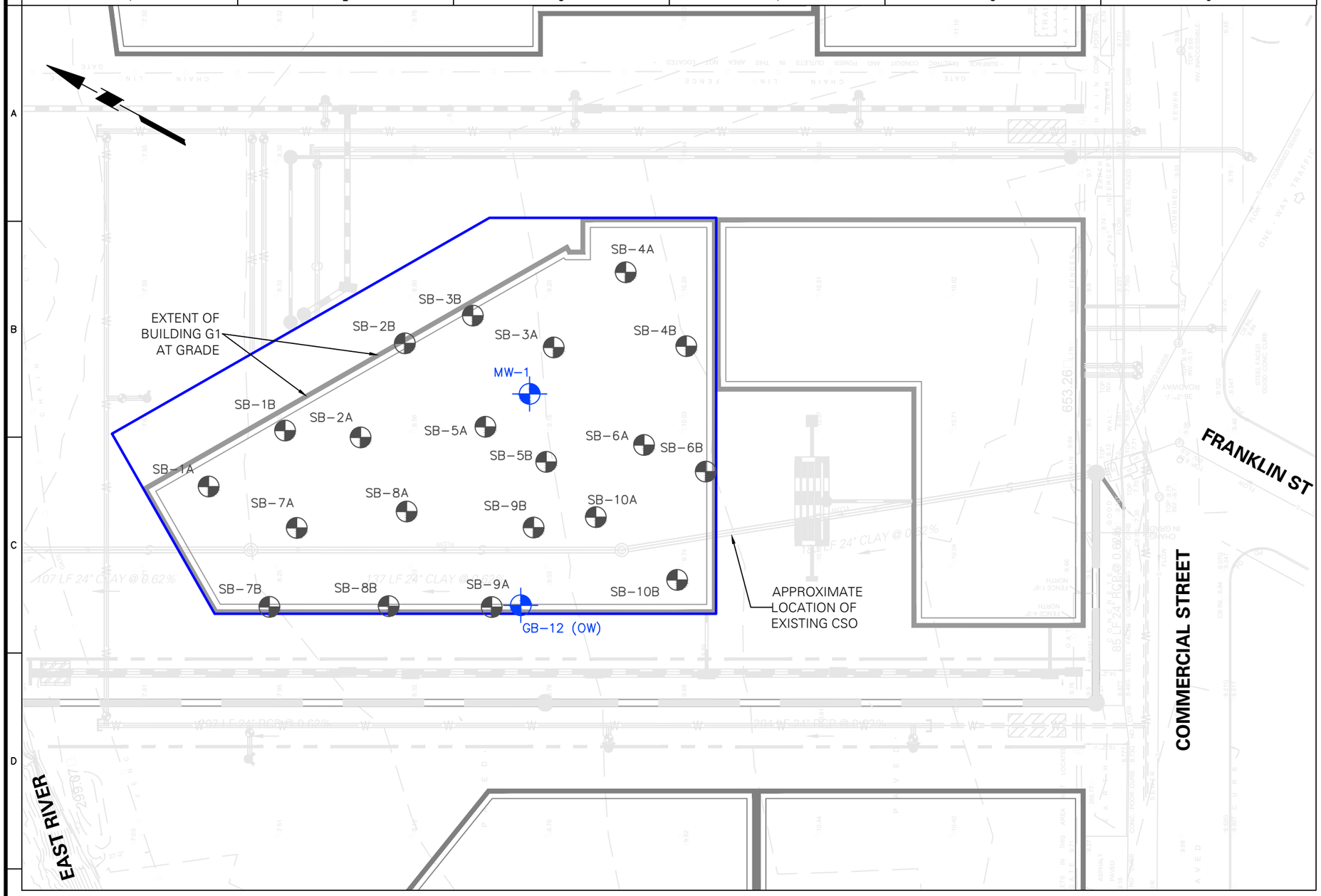
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-WC\170229002-N-SITE-PLAN-G1-CSO-TM.dwg Date: 11/11/2013 Time: 13:37 User: gwyka Style Table: Langan.stb Layout: ANSIA-BL



LEGEND

- PROPOSED FOOTPRINT OF BUILDING G1
- SB-1A — BORING LOCATION AND ID
- MW-1 — MONITORING WELL LOCATION AND ID

GENERAL NOTES

1. BASE PLANS TAKEN FROM LANGAN DRAWINGS: UTILITY DRAWING "170229001-C-UI0101", DATED 08/16/2013 AND SITE SURVEY "170229001-V-EX0101", DATED 08/13/2013.
2. ALL BORING AND WELL LOCATIONS WERE LOCATED BY GPS.
3. BUILDING G1 CELLAR EXTENDS OUTSIDE THE ABOVE GROUND BUILDING EXTENTS, AS NOTED.
4. WASTE CHARACTERIZATION SAMPLING FOR BUILDING G1 CONSISTED OF SHALLOW APPROX. 500-CY CELLS FROM 0 TO 5 FEET AND DEEP APPROX. 500-CY CELLS FROM 5 TO 10 FEET BELOW SURFACE GRADE.
5. SAMPLE LABELING REFLECTS THE GRID AND CELL FROM WHERE THE SAMPLE WAS COLLECTED.
6. MW-1 WAS INSTALLED WITHIN THE FOOTPRINT OF BUILDING G1. A GROUNDWATER SAMPLE WAS COLLECTED FROM GB-12 (OW), WHICH WAS INSTALLED BY LANGAN GEOTECHNICAL. GB-12 (OW) WAS SAMPLED USING USEPA LOW FLOW SAMPLING METHODS AND ANALYZED FOR NYCDEP AND NYSDEC SPDES PARAMETERS.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

40 0 10 25 40
SCALE IN FEET

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Collectively known as Langan

Project: GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title: WASTE CHARACTERIZATION SAMPLING LOCATION MAP
BUILDING G1

Project No. 170229002	Drawing No. 2
Date 11/04/2013	
Scale 1" = 40'	
Drawn By SD / Checked By GCW	
Submission Date	Sheet 2 of 3

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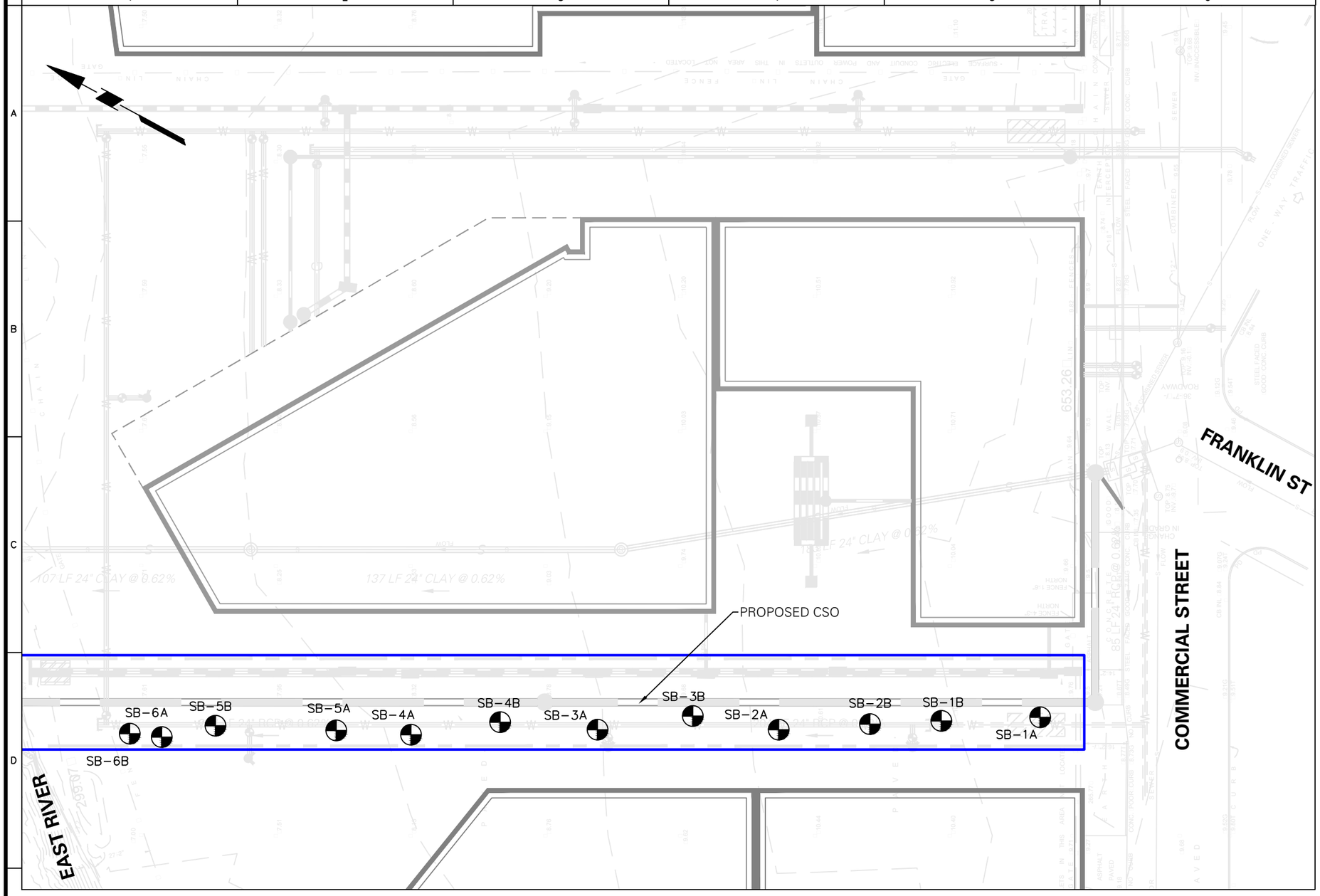
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-WC\170229002-NI-701-G1-MAP-FOR-TM.dwg Date: 11/13/2013 Time: 08:53 User: gwyka Style Table: Langan.stb Layout: ANSIB-BL



LEGEND

PROPOSED EXCAVATION FOOTPRINT OF CSO AND OUTFALL

SB-1A BORING LOCATION AND ID

GENERAL NOTES

1. BASE PLANS TAKEN FROM LANGAN DRAWINGS: UTILITY DRAWING "170229001-C-UI0101", DATED 08/16/2013 AND SITE SURVEY "170229001-V-EX0101", DATED 08/13/2013.
2. ALL BORING LOCATIONS WERE LOCATED BY GPS.
3. WASTE CHARACTERIZATION SAMPLING FOR THE PROPOSED CSO CONSISTED OF APPROX. 500-CY CELLS FROM 0 TO 10 FEET BELOW GRADE SURFACE. THE CELLS ASSUME AN EXCAVATION CUT OF 10 FEET AND A 1.5 LAYBACK SLOPE FROM THE 5-FOOT WIDE CSO PIPE PLATFORM.
4. SAMPLE LABELING REFLECTS THE GRID AND CELL FROM WHERE THE SAMPLE WAS COLLECTED.
5. NO GROUNDWATER SAMPLES WERE COLLECTED FROM WITHIN THE FOOTPRINT OF THE PROPOSED CSO OUTFALL.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Project: GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title: WASTE CHARACTERIZATION SAMPLING LOCATION MAP
PROPOSED CSO

Project No. 170229002	Drawing No. 3
Date 11/04/2013	
Scale 1" = 40'	
Drawn By SD / Checked By GCW	
Submission Date	Sheet 3 of 3

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TABLES

Table 1A
Soil Sample Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
1	G1_SB-01A_9-9.5	Grab	SB-01A	9 to 9.5	VOCs
2	G1_COMP-01S_0-5	Composite	SB-1A, SB-1B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO), PAINT FILTER
3	G1_SB-01B_4-4.5	Grab	SB-01B	4 to 4.5	VOCs
4	G1_COMP-01D_5-10	Composite	SB-1A, SB-1B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
5	G1_SB-02A_2.5-3	Grab	SB-02A	2.5 to 3	VOCs
6	G1_COMP-02S_0-5	Composite	SB-2A, SB-2B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
7	G1_SB-02A_8-8.5	Grab	SB-02A	8 to 8.5	VOCs
8	G1_COMP-02D_5-10	Composite	SB-2A, SB-2B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
9	G1_SB-03B_4-4.5	Grab	SB-03B	4 to 4.5	VOCs
10	G1_COMP-03S_0-5	Composite	SB-3A, SB-3B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
11	G1_SB-03B_9-9.5	Grab	SB-03B	9 to 9.5	VOCs
12	G1_COMP-03D_5-10	Composite	SB-3A, SB-3B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
13	G1_SB-04A_2-2.5	Grab	SB-04A	2 to 2.5	VOCs
14	G1_COMP-04S_0-5	Composite	SB-4A, SB-4B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
15	G1_SB-04A_9-9.5	Grab	SB-04A	9 to 9.5	VOCs
16	G1_COMP-04D_5-10	Composite	SB-4A, SB-4B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
17	G1_SB-05B_3-3.5	Grab	SB-05B	3 to 3.5	VOCs
18	G1_COMP-05S_0-5	Composite	SB-5A, SB-5B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
19	G1_SB-05B_8-8.5	Grab	SB-05B	8 to 8.5	VOCs
20	G1_COMP-05D_5-10	Composite	SB-5A, SB-5B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)

Notes:

1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 1A
Soil Sample Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
21	G1_SB-06A_3-3.5	Grab	SB-06A	3 to 3.5	VOCs
22	G1_COMP-06S_0-5	Composite	SB-6A, SB-6B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
23	G1_SB-06A_7-7.5	Grab	SB-06A	7 to 7.5	VOCs
24	G1_COMP-06D_5-10	Composite	SB-6A, SB-6B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
25	G1_SB-07A_3.5-4	Grab	SB-07A	3.5 to 4	VOCs
26	G1_COMP-07S_0-5	Composite	SB-7A, SB-7B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
27	G1_SB-07A_9-9.5	Grab	SB-07A	9 to 9.5	VOCs
28	G1_COMP-07D_5-10	Composite	SB-7A, SB-7B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
29	G1_SB-08A_4.5-5	Grab	SB-08A	4.5 to 5	VOCs
30	G1_COMP-08S_0-5	Composite	SB-8A, SB-8B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
31	G1_SB-08A_9-9.5	Grab	SB-08A	9 to 9.5	VOCs
32	G1_COMP-08D_5-10	Composite	SB-8A, SB-8B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
33	G1_SB-09A_3.5-4	Grab	SB-09A	3.5 to 4	VOCs
34	G1_COMP-09S_0-5	Composite	SB-9A, SB-9B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
35	G1_SB-09A_9.5-10	Grab	SB-09A	9.5 to 10	VOCs
36	G1_COMP-09D_5-10	Composite	SB-9A, SB-9B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
37	G1_SB-10B_4-4.5	Grab	SB-10B	4 to 4.5	VOCs
38	G1_COMP-10S_0-5	Composite	SB-10A, SB-10B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
39	G1_SB-10B_9.5-10	Grab	SB-10B	9.5 to 10	VOCs
40	G1_COMP-10D_5-10	Composite	SB-10A, SB-10B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)

Notes:

1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 1B
QA/QC Samples Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	QA/QC Type	Sample Name	Sample Type	Parent Sample ID	Sampling Location	Sampling Frequency	Depth (ft bgs)	Analysis
1	Duplicate	G1_DUP_091313_4-4.5	Grab	G1_SB-01B_4-4.5	Parcel G1	1 per Parcel	4 to 4.5	VOCs
2	Duplicate	G1_COMP-DUP_091313_S	Composite	G1_COMP-01S_0-5	Parcel G1	1 per Parcel	0 to 5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
3	Field Blank	FB01_091213	N/A	N/A	N/A	One per Field Sampling Day	N/A	VOCs, SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
4	Field Blank	FB01_091313	N/A	N/A	N/A	One per Field Sampling Day	N/A	VOCs, SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
5	Trip Blank	TB01_091213	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
6	Trip Blank	TB01_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
7	Trip Blank	TB02_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
7	Trip Blank	TB03_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
8	Trip Blank	TB04_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
9	Trip Blank	TB05_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs

Notes:
1. Grab soil sample for VOC analysis was collected using EnCore sampling device.
2. Composite sample was obtained from homogenizing at a minimum of five grab samples.
3. Grab sample was collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 2A
Soil Sample Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
1	CSO_SB-01A_0-0.5	Grab	SB-1A	0 to 0.5	VOCs
2	CSO_COMP-01_0-10	Composite	SB-1A, SB-1B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
3	CSO_SB-02B_5-5.5	Grab	SB-2B	5 to 5.5	VOCs
4	CSO_COMP-02_0-10	Composite	SB-2A, SB-2B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
5	CSO_SB-03A_8.5-9	Grab	SB-3A	8.5 to 9	VOCs
6	CSO_COMP-03_0-10	Composite	SB-3A, SB-3B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
7	CSO_SB-04B_6.5-7.0	Grab	SB-4B	6.5 to 7	VOCs
8	CSO_COMP-04_0-10	Composite	SB-4A, SB-4B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
9	CSO_SB-05A_7.5-8.0	Grab	SB-5A	7.5 to 8	VOCs
10	CSO_COMP-05_0-10	Composite	SB-5A, SB-5B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
11	CSO_SB-06A_3.5-4	Grab	SB-6A	3.5 to 4	VOCs
12	CSO_COMP-06_0-10	Composite	SB-6A, SB-6B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)

Notes:

1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 2B
QA/QC Samples Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	QA/QC Type	Sample Name	Sample Type	Parent Sample ID	Sampling Location	Sampling Frequency	Depth (ft bgs)	Analysis
1	Trip Blank	TB01_091413	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
2	Trip Blank	TB02_091413	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
3	Trip Blank	TB03_091413	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs

Table 3
Groundwater Sample Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Analysis
1	GB12OW_091913	Grab	GB12(OW)	NYCDEP Sanitary/Combined Sewer Parameters
				pH - SM4500 H+-B
				Oil & Grease - EPA 1664
				Total Suspended Solids - SM2540D
				Settleable Solids - SM2540F
				VOCs - EPA 624
				Nitrate/Nitrite - SM4500NO3-F
				13 Priority Pollutant Metals - EPA 200.7, 200.8, 245.1

Notes:
1. Groundwater sample was collected using EPA low-flow methods.
2. Groundwater sample was collected from GB12(OW), one of Langan's geotechnical obervational wells.

Table 4A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_SB-01A			G1_SB-01B			G1_SB-01B			G1_SB-02A			G1_SB-02A			G1_SB-03B			G1_SB-03B			G1_SB-04A			G1_SB-04A			G1_SB-05B			G1_SB-05B		
Client Sample ID			G1_SB-01A_9-9.5			G1_SB-01B_4-4.5			G1_DUP_091313_4-4.5			G1_SB-02A_2.5-3			G1_SB-02A_8-8.5			G1_SB-03B_4-4.5			G1_SB-03B_9-9.5			G1_SB-04A_2-2.5			G1_SB-04A_9-9.5			G1_SB-05B_3-3.5			G1_SB-05B_8-8.5		
Lab Sample ID			L1318158-10			L1318158-09			L1318158-13			L1318159-02			L1318159-03			L1318009-07			L1318009-08			L1318009-05			L1318009-03			L1318158-02			L1318158-01		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			9 to 9.5			4 to 4.5			4 to 4.5			2.5 to 3			8 to 8.5			4 to 4.5			9 to 9.5			2 to 2.5			9 to 9.5			3 to 3.5			8 to 8.5		
Volatile Organic Compounds (mg/kg)																																			
1,2,4,5-Tetramethylbenzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.049	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
1,2,4-Trimethylbenzene	3.6	52	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.059	J	1	0.0061	U	1	0.24	J	1	0.0066	U	1
1,2-Dichloroethane	0.02	3.1	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	**1.1**		1	0.0015	U	1	*0.08*	U	1	0.0012	U	1	*0.092*	U	1	0.0013	U	1
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.035	J	1	0.0075	U	1	0.067	J	1	0.0061	U	1	0.16	J	1	0.0066	U	1
1,4-Diethyl Benzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.023	J	1	0.006	U	1	0.077	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
4-Ethyltoluene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.037	J	1	0.0049	U	1	0.14	J	1	0.0053	U	1
Acetone	0.05	100	0.012	J	1	0.01	U	1	0.01	U	1	0.012	U	1	0.018		1	**0.26**	J	1	0.0065	J	1	*0.8*	U	1	0.0056	J	1	*0.92*	U	1	0.0078	J	1
Benzene	0.06	4.8	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.017	J	1	0.0015	U	1	0.021	J	1	0.0012	U	1	**0.21**		1	0.0013	U	1
Bromomethane	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.063	J	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Carbon Disulfide	~	~	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	0.81	U	1	0.015	U	1	0.8	U	1	0.012	U	1	0.92	U	1	0.013	U	1
Chloromethane	~	~	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.4	U	1	0.0061	U	1	0.46	U	1	0.0066	U	1
Cyclohexane	~	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	0.093	J	1	0.03	U	1	1.6	U	1	0.024	U	1	0.35	J	1	0.026	U	1
Cymene	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.023	J	1	0.0013	U	1
Ethylbenzene	1	41	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.015	J	1	0.0012	U	1	0.09	J	1	0.0013	U	1
Isopropylbenzene (Cumene)	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.018	J	1	0.0012	U	1	0.027	J	1	0.0013	U	1
Methyl Acetate	~	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	1.6	U	1	0.03	U	1	1.6	U	1	0.024	U	1	0.3	J	1	0.026	U	1
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.0044	J	1	*0.81*	U	1	0.015	U	1	*0.8*	U	1	0.012	U	1	*0.92*	U	1	0.013	U	1
Methylcyclohexane	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32		1	0.006	U	1	0.13	J	1	0.0049	U	1	1.2		1	0.0053	U	1
Methylene Chloride	0.05	100	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	*0.81*	U	1	0.015	U	1	**0.21**	J	1	0.012	U	1	*0.92*	U	1	0.013	U	1
M-P-Xylene	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.051	J	1	0.003	U	1	0.066	J	1	0.0024	U	1	0.41		1	0.0026	U	1
Naphthalene	12	100	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0058	J	1	0.065	J	1	0.0075	U	1	0.78		1	0.0061	U	1	0.33	J	1	0.0066	U	1
N-Propylbenzene	3.9	100	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.032	J	1	0.0013	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18		1	0.0026	U	1
Styrene	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Toluene	0.7	100	0.0025	U	1	0.0016	U	1	0.0015	U	1	0.0018	U	1	0.0022	U	1	0.067	J	1	0.0022	U	1	0.047	J	1	0.0018	U	1	0.43		1	0.002	U	1
Trichloroethylene (TCE)	0.47	21	0.0016		1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.022	J	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.092	U	1	0.0013	U	1
Xylene (Total)	0.26	100	ND			ND			ND			ND			ND			0.051	J		ND			0.066	J		ND			**0.59**			ND		

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are highlighted and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sample Date Sample Depth (feet bgs)	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_SB-06A G1_SB-06A_3-3.5 L1318158-05 09/13/2013 3 to 3.5			G1_SB-06A G1_SB-06A_7-7.5 L1318158-06 09/13/2013 7 to 7.5			G1_SB-07A G1_SB-07A_3.5-4 L1318164-01 09/13/2013 3.5 to 4			G1_SB-07A G1_SB-07A_9-9.5 L1318164-02 09/13/2013 9 to 9.5			G1_SB-08A G1_SB-08A_4.5-5 L1318164-08 09/13/2013 4.5 to 5			G1_SB-08A G1_SB-08A_9-9.5 L1318164-07 09/13/2013 9 to 9.5			G1_SB-09A G1_SB-09A_3.5-4 L1318162-04 09/13/2013 3.5 to 4			G1_SB-09A G1_SB-09A_9.5-10 L1318162-03 09/13/2013 9.5 to 10			G1_SB-10B G1_SB-10B_4-4.5 L1318161-01 09/13/2013 4 to 4.5			G1_SB-10B G1_SB-10B_9.5-10 L1318161-02 09/13/2013 9.5 to 10		
Volatile Organic Compounds (mg/kg)																																				
1,2,4,5-Tetramethylbenzene	~	~	0.0035	J	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
1,2,4-Trimethylbenzene	3.6	52	0.017		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,2-Dichloroethane	0.02	3.1	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0082		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,4-Diethyl Benzene	~	~	0.011		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
4-Ethyltoluene	~	~	0.0072		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Acetone	0.05	100	0.032		1	*28*	U	25	0.0095	U	1	0.033		1	0.0088	U	1	0.049		1	0.013	U	1	0.015	U	1	0.0082	J	1	0.0063	J	1
Benzene	0.06	4.8	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Bromomethane	~	~	0.0032	U	1	5.6	U	25	0.0019	U	1	0.00063	J	1	0.00039	J	1	0.00066	J	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Carbon Disulfide	~	~	0.016	U	1	28	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.011	J	1	0.0092	U	1
Chloromethane	~	~	0.0081	U	1	14	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.011		1	0.0046	U	1
Cyclohexane	~	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Cymene	~	~	0.028		1	73		25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.01		1	0.00092	U	1
Ethylbenzene	1	41	0.0011	J	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Isopropylbenzene (Cumene)	~	~	0.00059	J	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Methyl Acetate	~	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.016	U	1	*28*	U	25	0.0095	U	1	0.0053	J	1	0.0088	U	1	0.0067	J	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
Methylcyclohexane	~	~	0.0065	U	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Methylene Chloride	0.05	100	0.016	U	1	*28*	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
M-P-Xylene	~	~	0.0042		1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Naphthalene	12	100	**100**		5	14	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0013	J	1	0.018		1	0.0046	U	1
N-Propylbenzene	3.9	100	0.0016	U	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0034		1	*5.6*	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Styrene	~	~	0.0013	J	1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Toluene	0.7	100	0.00065	J	1	**0.77**	J	25	0.0014	U	1	0.0018	U	1	0.0013	U	1	0.0018	U	1	0.00028	J	1	0.0023	U	1	0.0021	U	1	0.0014	U	1
Trichloroethylene (TCE)	0.47	21	0.0016	U	1	*2.8*	U	25	0.0014		1	0.0012	U	1	0.00038	J	1	0.0012	U	1	0.024		1	0.0004	J	1	0.0014	U	1	0.00092	U	1
Xylene (Total)	0.26	100	0.0176			ND			ND			ND			ND			ND			ND			ND			ND			ND		

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are highlighted and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_COMP-01S			G1_COMP-01S			G1_COMP-01D			G1_COMP-02S			G1_COMP-02D			G1_COMP-03S			G1_COMP-03D			G1_COMP-04S			G1_COMP-04D			G1_COMP-05S			G1_COMP-05D		
Client Sample ID			G1_COMP-01S_0-5			G1_COMP-DUP_091313_S			G1_COMP-01D_5-10			G1_COMP-02S_0-5			G1_COMP-02D_5-10			G1_COMP-03S_0-5			G1_COMP-03D_5-10			G1_COMP-04S_0-5			G1_COMP-04D_5-10			G1_COMP-05S_0-5			G1_COMP-05D_5-10		
Lab Sample ID			L1318158-12			L1318158-14			L1318158-11			L1318159-04			L1318159-05			L1318009-10			L1318009-09			L1318009-06			L1318009-04			L1318158-04			L1318158-03		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			0 to 5			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	0.16	J	1	0.12	J	2	0.32		1	0.13	J	2	0.32		1	0.37	J	4	0.27	J	2	0.41		1	0.25	J	4	0.27		1	0.27		1
3-Methylphenol	0.33	100	0.26	U	1	*0.51*	U	2	0.3	U	1	*0.52*	U	2	0.29	U	1	*1.1*	U	4	*0.58*	U	2	0.28	U	1	*1.1*	U	4	0.28	U	1	0.29	U	1
Acenaphthene	20	100	0.3		1	0.29		2	0.5		1	0.63		2	0.64		1	1		4	0.7		2	0.55		1	1.5		4	0.74		1	0.88		1
Acenaphthylene	100	100	0.24		1	0.43		2	0.18		1	0.26	J	2	0.16		1	0.14	J	4	0.15	J	2	0.11	J	1	0.28	J	4	0.19		1	0.21		1
Anthracene	100	100	0.94		1	1		2	1.7		1	1.9		2	1.4		1	2.6		4	2		2	1.8		1	4.2		4	1.9		1	2.1		1
Benzaldehyde	~	~	0.24	U	1	0.47	U	2	0.12	J	1	0.48	U	2	0.2	J	1	0.99	U	4	0.53	U	2	0.26	U	1	1	U	4	0.13	J	1	0.11	J	1
Benzo(a)anthracene	1	1	**2.1**		1	**2.1**		2	**4.7**		1	**4.4**		2	**2.8**		1	**4.9**		4	**3.1**		2	**3.1**		1	**8.5**		4	**4.8**		1	**3.7**		1
Benzo(a)pyrene	1	1	**1.9**		1	**1.9**		2	**5.2**		1	**3.5**		2	**2.9**		1	**4.1**		4	**2.7**		2	**2.7**		1	**8.1**		4	**5**		1	**3.8**		1
Benzo(b)fluoranthene	1	1	**2.1**		1	**2.2**		2	**6.5**		1	**4.6**		2	**3.5**		1	**5**		4	**3.4**		2	**3.4**		1	**9.5**		4	**7.1**		1	**4.8**		1
Benzo(g,h,i)perylene	100	100	1.2		1	1.6		2	3.9		1	2.3		2	1.9		1	2.2		4	1.6		2	1.5		1	4.9		4	3.4		1	2.4		1
Benzo(k)fluoranthene	0.8	3.9	**0.97**		1	**0.86**		2	**2.3**		1	**1.7**		2	**1.4**		1	**2**		4	**1.3**		2	**1.2**		1	**3.1**		4	**2.2**		1	**1.8**		1
Biphenyl (Diphenyl)	~	~	0.41	U	1	0.81	U	2	0.13	J	1	0.82	U	2	0.12	J	1	1.7	U	4	0.92	U	2	0.12	J	1	1.8	U	4	0.082	J	1	0.099	J	1
Bis(2-Ethylhexyl) Phthalate	~	~	0.18	U	1	0.35	U	2	0.21	U	1	0.36	U	2	0.2	U	1	0.4	J	4	0.4	U	2	0.33		1	0.78	U	4	0.2	U	1	0.2	U	1
Carbazole	~	~	0.33		1	0.33	J	2	0.58		1	0.7		2	0.65		1	0.76		4	0.48		2	0.54		1	1.2		4	0.78		1	0.8		1
Chrysene	1	3.9	**2.2**		1	**2**		2	**4.8**		1	**4.2**		2	**3.2**		1	**4.7**		4	**3.3**		2	**2.9**		1	**9.6**		4	**4.8**		1	**3.6**		1
Dibenz(a,h)anthracene	0.33	0.33	**0.34**		1	**0.36**		2	**0.96**		1	**0.72**		2	**0.6**		1	**0.66**		4	**0.44**		2	**0.44**		1	**1.2**		4	**1.2**		1	**0.7**		1
Dibenzofuran	7	59	0.26		1	0.22	J	2	0.67		1	0.38		2	0.59		1	0.73	J	4	0.63		2	0.65		1	0.84		4	0.57		1	0.61		1
Di-n-butylphthalate	~	~	0.18	U	1	0.35	U	2	0.21	U	1	0.12	J	2	0.2	U	1	0.75	U	4	0.4	U	2	0.05	J	1	0.78	U	4	0.2	U	1	0.2	U	1
Fluoranthene	100	100	4.2		1	4		2	12		2	8.8		2	6.5		1	10		4	7.7		2	6.3		1	20		4	5.5		1	6.7		1
Fluorene	30	100	0.37		1	0.33	J	2	0.83		1	0.61		2	0.84		1	1.1		4	0.88		2	0.78		1	1.8		4	0.93		1	0.98		1
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**1.3**		1	**1.7**		2	**4.3**		1	**2.6**		2	**2.1**		1	**2.6**		4	**1.8**		2	**1.8**		1	**5.2**		4	**3.7**		1	**2.7**		1
Naphthalene	12	100	0.21		1	0.19	J	2	1.1		1	0.17	J	2	0.73		1	0.81		4	0.36	J	2	0.81		1	0.4	J	4	0.4		1	0.38		1
Phenanthrene	100	100	3.8		1	3.3		2	7		1	7.6		2	5.5		1	9.8		4	7.9		2	6		1	17		4	5.3		1	6.6		1
Phenol	0.33	100	0.18	U	1	*0.35*	U	2	0.21	U	1	*0.36*	U	2	0.2	U	1	*0.75*	U	4	*0.4*	U	2	0.2	U	1	*0.78*	U	4	0.2	U	1	0.2	U	1
Pyrene	100	100	3.8		1	3.7		2	8.2		1	7.4		2	5.3		1	8.4		4	6.5		2	5		1	20		4	6.3		1	6.6		1
Total SVOCs	~	~	26.72	J	1	26.63	J	2	65.99	J		52.72	J	2	41.35	J	1	62.27	J	4	45.21	J	2	40.49	J	1	117.57	J	4	55.292	J	1	49.839	J	1
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0336	J	1	0.0237	J	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.00971	J	1	0.0123	J	1	0.0379	U	1	0.0401	U	1
Aroclor 1254	~	~	0.0349	U	1	0.0343	U	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.0388	U	1	0.0383	U	1	0.0379	U	1	0.0401	U	1
Total PCBs	0.1	1	0.0336	J	1	0.0237	J	1	ND		1	ND		1	ND		1	ND		1	ND		1	0.00971	J	1	0.0123	J	1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	0.0033	7.9	*0.032*	U	10	*0.0317*	U	10	*0.0364*	U	10	**0.0318**	J	10	*0.0366*	U	10	*0.033*	U	10	*0.0176*	U	5	*0.017*	U	5	*0.0342*	U	10	*0.0347*	U	10	*0.0351*	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	6000		2	6300		2	4800		2	7900		2	3700		2	6900		2	5600		2	7400		2	6600		2	7500		2	5900		2
Antimony	~	~	4.1	U	2	4.2	U	2	4.8	U	2	4.2	U	2	4.8	U	2	3.4	J	2	2.8	J	2	5.8		2	2	J	2	4.7	U	2	4.7	U	2
Arsenic	13	16	7.1		2	9.1		2	**54**		2	7.2		2	**46**		2	9.4		2	**34**		2	**17**		2	**14**		2	10		2	12		2
Barium	350	400	280		2	270		2	89		2	**390**		2	170		2	180		2	87		2	210		2	100		2	250		2	160		2
Beryllium	7.2	72	3.2		2	2.2		2	0.38	J	2	3.7		2	0.32	J	2	**7.8**		2	0.45	J	2	0.69		2	0.38	J	2	**10**		2	0.7		2
Cadmium	2.5	4.3	1.4		2	1.3		2	1.2		2	1.1		2	0.8	J	2	1.2		2	2.2		2	1		2	0.92		2	2.1		2	1.1		2
Calcium	~	~	54000		2	33000		2	7200		2	83000		2	7700		2	110000		10	20000		2	34000		2	14000		2	11000		2	13000		2
Chromium Trivalent	30	180	**53**		1	**37**		1	12		1	**43**		1	12		1	**57**		1	15		1	**31**		1	18		1	**74**		1	16		1
Chromium Hexavalent	1	110	0.88	U	1	0.87	U	1	1	U	1	0.88	U	1	0.99	U	1	0.68	J	1	0.39	J	1	0.71	J	1	0.65	J	1	0.96	U	1	0.97	U	1
Chromium, Total	~	~	53		2	37		2	12		2	43		2	12		2	57		2	15		2	31		2	18		2	74		2	16		2
Cobalt	~	~	45		2	29		2	8.7		2	25		2	3.6		2	25		2	15		2	59		2	7.6		2	34		2	13		2
Copper	50	270	**810**		2	**570**		2	**100**		2	**480**		2	**130**		2	**500**		2	**170**		2	**300**		2	**86**		2	**620**		2	**170**		2
Iron	~	~	34000		2	31000		2	29000		2	25000		2	26000		2	25000		2	42000		2	24000		2	21000		2	31000		2	26000		2
Lead	63	400	**860**		2	**700**		2	**150**		2	**1600**		2	**160**		2	**410**		2	**330**		2	**640**		2	**220**		2	**950**		2	**550**		2
Magnesium	~	~	20000		2	7000		2	1100		2	27000		2	720		2	7000		2	2400		2	3700		2	5000		2	1700		2	4600		2
Manganese	1600	2000	430		2	330		2	130		2	300		2	90		2	850		2	240		2	230		2	280		2	380		2	230		2
Mercury	0.18	2.8	**1.6**		1	**1.1**		1	**0.33**		1	**0.49**		1	**0.46**		1	**0.34**		1	**1**		1	**0.21**		1	**0.46**		1	**0.85**		1	**0.72**		1
Nickel	30	310	**76**		2	**51**		2	16		2	**44**		2	8.8		2	**51**		2	23		2	22		2	16		2	**63**		2	26		2
Potassium	~	~	790		2	830		2	870		2	1000		2	610		2	810		2	630		2	790		2	770		2	830		2	720		2
Selenium	3.9	180	0.48	J	2	0.72	J	2	**4.8**		2	0.66	J	2	**4**		2	1.7	U	2	3.4		2	0.5	J	2	0.91	J	2	1.2	J	2	1.1	J	2
Silver	2	180	0.28	J	2	0.27	J	2	0.96	U	2	0.84	U	2	0.96	U	2	0.17	J	2	0.94	U	2	0.94	U	2	0.92	U	2	1.5		2	0.94	U	2
Sodium	~	~	760		2	600		2	1100		2	810		2	790		2	760		2	480		2	520		2	320		2	470		2	210		2
Vanadium	~	~	18		2	20		2	19		2	24		2	15		2	24		2	18		2	28		2	29		2	18		2	19		2
Zinc	109	10000	**4700**		20	**2700**		20	64		2	**2800**		10	74		2	**2500**		10	**240**		2	**1400**		2	**230**		2	**3700**		20	**600**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.19	J	1	0.42	J	1	2.2	J	1	0.13	J	1	0.71	J	1	1.6	J	1	1.9	J	1	1.4	J	1	1.8	J	1	4.7		1	0.61	J	1
Total Petroleum Hydrocarbons	~	~	317		2	528		2	152		1	403		2	492		5	1210		10	162		1	396		1	254		1	537		1	234		1
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1	U	1	1	U	1	1.2	U	1	1	U	1	1.2	U	1	1.1	U	1	1.2	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_COMP-06S			G1_COMP-06D			G1_COMP-07S			G1_COMP-07D			G1_COMP-08S			G1_COMP-08D			G1_COMP-09S			G1_COMP-09D			G1_COMP-10S			G1_COMP-10D		
Client Sample ID			G1_COMP-06S_0-5			G1_COMP-06D_5-10			G1_COMP-07S_0-5			G1_COMP-07D_5-10			G1_COMP-08S_0-5			G1_COMP-08D_5-10			G1_COMP-09S_0-5			G1_COMP-09D_5-10			G1_COMP-10S_0-5			G1_COMP-10D_5-10		
Lab Sample ID			L1318158-07			L1318158-08			L1318164-04			L1318164-03			L1318164-06			L1318164-05			L1318162-01			L1318162-02			L1318161-03			L1318161-04		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013		
Sample Depth (feet bgs)			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	2.8		1	0.4		1	0.18	J	2	0.24		1	3.6		10	0.091	J	1	0.7		2	1.1		2	1.2		1	11		10
3-Methylphenol	0.33	100	0.28	U	1	0.28	U	1	*0.52*	U	2	0.27	U	1	*2.6*	U	10	0.28	U	1	*0.52*	U	2	0.29	J	2	0.23	J	1	**0.87**	J	10
Acenaphthene	20	100	6.6		1	1.6		1	0.44		2	0.38		1	5.6		10	0.18		1	1.6		2	2.5		2	0.83		1	**22**		10
Acenaphthylene	100	100	0.71		1	0.23		1	0.13	J	2	0.17		1	1.4	U	10	0.16	U	1	0.46		2	1.8		2	0.15	J	1	4.3		10
Anthracene	100	100	6.5		1	4.1		1	1.4		2	1.2		1	9		10	0.4		1	3.8		2	5.8		2	1		1	44		10
Benzaldehyde	~	~	0.29		1	0.081	J	1	0.48	U	2	0.25	U	1	2.4	U	10	0.26	U	1	0.48	U	2	0.6	U	2	0.66		1	2.8	U	10
Benzo(a)anthracene	1	1	**3.8**		1	**7.5**		1	**3.5**		2	**3.1**		1	**13**		10	0.92		1	**6.3**		2	**9.8**		2	**1.4**		1	**80**		10
Benzo(a)pyrene	1	1	**2.1**		1	**6.8**		1	**2.8**		2	**3.3**		1	**12**		10	0.94		1	**6.8**		2	**10**		2	**1.3**		1	**82**		10
Benzo(b)fluoranthene	1	1	**3.3**		1	**6.4**		5	**3.4**		2	**4.2**		1	**15**		10	**1.1**		1	**7.4**		2	**12**		2	**1.6**		1	**88**		50
Benzo(g,h,i)perylene	100	100	1		1	4.1		1	1.6		2	2.4		1	7.7		10	0.57		1	4.3		2	6.3		2	0.88		1	57		10
Benzo(k)fluoranthene	0.8	3.9	**1.1**		1	**2.5**		1	**1.3**		2	**1.7**		1	**6.1**		10	0.39		1	**3.2**		2	**4**		2	0.78		1	**35**		10
Biphenyl (Diphenyl)	~	~	1		1	0.16	J	1	0.82	U	2	0.078	J	1	0.69	J	10	0.44	U	1	0.2	J	2	0.41	J	2	0.24	J	1	4	J	10
Bis(2-Ethylhexyl) Phthalate	~	~	0.09	J	1	0.19	U	1	0.15	J	2	0.053	J	1	1.8	U	10	0.074	J	1	0.36	U	2	0.46	U	2	0.22	U	1	2.2	U	10
Carbazole	~	~	3.2		1	1.4		1	0.42		2	0.4		1	3.4		10	0.14	J	1	1.3		2	2.1		2	0.53		1	28		10
Chrysene	1	3.9	**3.6**		1	**6.8**		1	**3.6**		2	**3.6**		1	**13**		10	0.94		1	**6.3**		2	**10**		2	**1.5**		1	**75**		10
Dibenz(a,h)anthracene	0.33	0.33	0.33		1	**1.3**		1	**0.43**		2	**0.59**		1	**2**		10	0.15		1	**1.3**		2	**1.5**		2	0.25		1	**20**		10
Dibenzofuran	7	59	4.4		1	1.2		1	0.39		2	0.4		1	3		10	0.15	J	1	0.86		2	2.1		2	0.62		1	**25**		10
Di-n-butylphthalate	~	~	0.19	U	1	0.19	U	1	0.36	U	2	0.19	U	1	1.8	U	10	0.2	U	1	0.36	U	2	0.46	U	2	0.044	J	1	2.2	U	10
Fluoranthene	100	100	13		5	15		5	6.3		2	6.7		1	28		10	1.9		1	11		2	25		4	3.6		1	**180**		50
Fluorene	30	100	6.1		1	1.9		1	0.47		2	0.5		1	5		10	0.18	J	1	1.6		2	2.7		2	0.72		1	28		10
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**1.2**		1	**4.5**		1	**1.8**		2	**2.6**		1	**8.9**		10	**0.63**		1	**4.2**		2	**6.9**		2	**0.93**		1	**66**		10
Naphthalene	12	100	11		5	0.69		1	0.27	J	2	0.41		1	6.6		10	0.11	J	1	1.5		2	2.8		2	8.3		1	**35**		10
Phenanthrene	100	100	24		5	15		5	6.3		2	5.6		1	29		10	1.8		1	9		2	17		2	3.5		1	**220**		50
Phenol	0.33	100	0.19	U	1	0.19	U	1	*0.36*	U	2	0.19	U	1	*1.8*	U	10	0.2	U	1	*0.36*	U	2	0.17	J	2	0.22	U	1	*2.2*	U	10
Pyrene	100	100	9.5		5	12		5	6		2	6		1	24		10	1.6		1	10		2	18		2	2.9		1	**140**		50
Total SVOCs	~	~	105.62	J		93.661	J		40.88	J	2	43.621	J	1	195.59	J	10	12.265	J	1	81.82	J	2	142.27	J		33.164	J	1	1245.17	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0383	U	1	0.0382	U	1	0.0213	J	1	0.0117	J	1	0.0336	J	1	0.0389	U	1	0.055		1	0.0436	U	1	0.0449	U	1	0.041	U	1
Aroclor 1254	~	~	0.0383	U	1	0.0382	U	1	0.0353	U	1	0.0249	J	1	0.0352	U	1	0.0389	U	1	0.0349	U	1	0.0436	U	1	0.0449	U	1	0.041	U	1
Total PCBs	0.1	1	ND		1	ND		1	0.0213	J	1	0.0366	J	1	0.0336	J	1	ND		1	0.055		1	ND		1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	0.0033	7.9	*0.0329*	U	10	*0.0332*	U	10	*0.0331*	U	10	**0.0115**	J	5	*0.0309*	U	10	*0.0174*	U	5	**0.021**	J	10	*0.0397*	U	10	**0.0211**	J	10	*0.0371*	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	5900		2	5100		2	6700		2	3500		2	8400		2	6500		2	6900		2	4200		2	6700		2	12000		2
Antimony	~	~	4.5	U	2	1.3	J	2	4.2	U	2	1.2	J	2	4.2	U	2	4.6	U	2	4.3	U	2	5.7		2	5.3	U	2	5	U	2
Arsenic	13	16	11		2	11		2	6.3		2	**18**		2	13		2	**30**		2	9.6		2	12		2	**16**		2	13		2
Barium	350	400	140		2	120		2	200		2	120		2	340		2	110		2	160		2	**420**		2	150		2	180		2
Beryllium	7.2	72	2.1		2	0.39	J	2	4.2		2	0.21	J	2	4		2	1		2	4.9		2	0.44	J	2	0.52	J	2	1		2
Cadmium	2.5	4.3	0.83	J	2	0.77	J	2	1.5		2	0.66	J	2	1.4		2	1.6		2	1.2		2	1.8		2	0.69	J	2	1.2		2
Calcium	~	~	44000		2	11000		2	34000		2	18000		2	48000		2	13000		2	52000		2	9200		2	14000		2	14000		2
Chromium Trivalent	30	180	22		1	12		1	**54**		1	8.4		1	**54**		1	13		1	**39**		1	15		1	26		1	29		1
Chromium Hexavalent	1	110	0.23	J	1	0.94	U	1	0.89	U	1	0.92	U	1	0.88	U	1	0.94	U	1	0.89	U	1	*1.1*	U	1	*1.1*	U	1	1	U	1
Chromium, Total	~	~	22		2	12		2	54		2	8.4		2	54		2	13		2	39		2	15		2	26		2	29		2
Cobalt	~	~	16		2	7.6		2	56		2	5		2	29		2	10		2	37		2	7.1		2	4.9		2	20		2
Copper	50	270	**230**		2	**100**		2	**920**		2	**150**		2	**440**		2	**310**		2	**680**		2	**2900**		2	**66**		2	**180**		2
Iron	~	~	18000		2	15000		2	33000		2	14000		2	26000		2	28000		2	27000		2	26000		2	20000		2	20000		2
Lead	63	400	**320**		2	**310**		2	**810**		2	**330**		2	**680**		2	**380**		2	**460**		2	**370**		2	**210**		2	**370**		2
Magnesium	~	~	14000		2	2300		2	11000		2	1400		2	14000		2	1200		2	18000		2	1500		2	2700		2	3000		2
Manganese	1600	2000	210		2	270		2	440		2	180		2	280		2	120		2	310		2	230		2	140		2	800		2
Mercury	0.18	2.8	**0.2**		1	**0.45**		1	**1.4**		1	**1.2**		1	**0.22**		1	**1.5**		1	0.12		1	**0.64**		1	**0.47**		1	**0.91**		1
Nickel	30	310	29		2	15		2	**92**		2	13		2	**51**		2	17		2	**69**		2	16		2	14		2	29		2
Potassium	~	~	760		2	780		2	820		2	570		2	1300		2	860		2	910		2	920		2	930		2	1700		2
Selenium	3.9	180	1.8		2	1.1	J	2	0.49	J	2	2.6		2	0.69	J	2	2.4		2	0.8	J	2	1.3	J	2	1.7	J	2	0.8	J	2
Silver	2	180	0.9	U	2	0.92	U	2	0.32	J	2	0.88	U	2	0.85	U	2	0.21	J	2	0.2	J	2	0.25	J	2	1.1	U	2	0.99	U	2
Sodium	~	~	240		2	160	J	2	710		2	440		2	560		2	550		2	710		2	460		2	420		2	460		2
Vanadium	~	~	19		2	18		2	19		2	13		2	24		2	21		2	18		2	17		2	46		2	26		2
Zinc	109	10000	**1200**		2	**400**		2	**5400**		10	**130**		2	**2500**		10	**220**		2	**3800**		10	**690**		2	**110**		2	**240**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	4.9		1	20		1	1.6	J	1	0.2	J	1	1.6	J	1	1.8	J	1	1.5	J	1	2	J	1	30		1	0.7	J	1
Total Petroleum Hydrocarbons	~	~	548		2	320		1	264		1	322		1	402		1	148		1	1020		2	789		2	414		1	2430		10
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1	U	1	1.1	U	1	1	U	1	1.4	U	1	1.3	U	1	1.3	U	1

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location			G1_SB-01A			G1_SB-01B			G1_SB-02A			G1_SB-02A			G1_SB-03B			G1_SB-03B			G1_SB-04A			G1_SB-04A			G1_SB-05B			G1_SB-05B		
Client Sample ID			G1_SB-01A_9-9.5			G1_SB-01B_4-4.5		G1_DUP_091313_4-4.5	G1_SB-02A_2.5-3			G1_SB-02A_8-8.5			G1_SB-03B_4-4.5			G1_SB-03B_9-9.5			G1_SB-04A_2-2.5			G1_SB-04A_9-9.5			G1_SB-05B_3-3.5			G1_SB-05B_8-8.5		
Lab Sample ID	**NJ RDCSRS**	**NJ NRDCSRS**	L1318158-10			L1318158-09		L1318158-13	L1318159-02			L1318159-03			L1318009-07			L1318009-08			L1318009-05			L1318009-03			L1318158-02			L1318158-01		
Sample Date			09/13/2013			09/13/2013		09/13/2013	09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			9 to 9.5			4 to 4.5		4 to 4.5	2.5 to 3			8 to 8.5			4 to 4.5			9 to 9.5			2 to 2.5			9 to 9.5			3 to 3.5			8 to 8.5		
Volatile Organic Compounds (mg/kg)																																
1,2,4,5-Tetramethylbenzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.049	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
1,2,4-Trimethylbenzene	~	~	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.059	J	1	0.0061	U	1	0.24	J	1	0.0066	U	1
1,2-Dichloroethane	0.9	3	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	**1.1**		1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.092	U	1	0.0013	U	1
1,3,5-Trimethylbenzene (Mesitylene)	~	~	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.035	J	1	0.0075	U	1	0.067	J	1	0.0061	U	1	0.16	J	1	0.0066	U	1
1,4-Diethyl Benzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.023	J	1	0.006	U	1	0.077	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
4-Ethyltoluene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.037	J	1	0.0049	U	1	0.14	J	1	0.0053	U	1
Acetone	70,000	~	0.012	J	1	0.01	U	1	0.01	U	1	0.012	U	1	0.018		1	0.26	J	1	0.0065	J	1	0.8	U	1	0.0056	J	1	0.92	U	1	0.0078	J	1
Benzene	2	51	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.017	J	1	0.0015	U	1	0.021	J	1	0.0012	U	1	0.21		1	0.0013	U	1
Bromomethane	25	59	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.063	J	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Carbon Disulfide	7,800	110,000	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	0.81	U	1	0.015	U	1	0.8	U	1	0.012	U	1	0.92	U	1	0.013	U	1
Chloromethane	4	12	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.4	U	1	0.0061	U	1	0.46	U	1	0.0066	U	1
Cyclohexane	~	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	0.093	J	1	0.03	U	1	1.6	U	1	0.024	U	1	0.35	J	1	0.026	U	1
Cymene	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.023	J	1	0.0013	U	1
Ethylbenzene	7,800	110,000	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.015	J	1	0.0012	U	1	0.09	J	1	0.0013	U	1
Isopropylbenzene (Cumene)	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.018	J	1	0.0012	U	1	0.027	J	1	0.0013	U	1
Methyl Acetate	78,000	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	1.6	U	1	0.03	U	1	1.6	U	1	0.024	U	1	0.3	J	1	0.026	U	1
Methyl Ethyl Ketone (2-Butanone)	3,100	44,000	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.0044	J	1	0.81	U	1	0.015	U	1	0.8	U	1	0.012	U	1	0.92	U	1	0.013	U	1
Methylcyclohexane	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32		1	0.006	U	1	0.13	J	1	0.0049	U	1	1.2		1	0.0053	U	1
Methylene Chloride	34	97	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	0.81	U	1	0.015	U	1	0.21	J	1	0.012	U	1	0.92	U	1	0.013	U	1
M-P-Xylene	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.051	J	1	0.003	U	1	0.066	J	1	0.0024	U	1	0.41		1	0.0026	U	1
Naphthalene	6	17	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0058	J	1	0.065	J	1	0.0075	U	1	0.78		1	0.0061	U	1	0.33	J	1	0.0066	U	1
N-Propylbenzene	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.032	J	1	0.0013	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18		1	0.0026	U	1
Styrene	90	260	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Toluene	6,300	91,000	0.0025	U	1	0.0016	U	1	0.0015	U	1	0.0018	U	1	0.0022	U	1	0.067	J	1	0.0022	U	1	0.047	J	1	0.0018	U	1	0.43		1	0.002	U	1
Trichloroethylene (TCE)	7	20	0.0016		1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.022	J	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.092	U	1	0.0013	U	1
Xylene (Total)	12,000	170,000	ND			ND			ND			ND			0.051	J		ND			0.066	J		ND			0.59			ND		

Notes:
1. Grab soil sample analytical results are compared to the N .J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are highlighted and bolded.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sample Date Sample Depth (feet bgs)	NJ RDCSRS	NJ NRDCSRS	G1_SB-06A G1_SB-06A_3-3.5 L1318158-05 09/13/2013 3 to 3.5			G1_SB-06A G1_SB-06A_7-7.5 L1318158-06 09/13/2013 7 to 7.5			G1_SB-07A G1_SB-07A_3.5-4 L1318164-01 09/13/2013 3.5 to 4			G1_SB-07A G1_SB-07A_9-9.5 L1318164-02 09/13/2013 9 to 9.5			G1_SB-08A G1_SB-08A_4.5-5 L1318164-08 09/13/2013 4.5 to 5			G1_SB-08A G1_SB-08A_9-9.5 L1318164-07 09/13/2013 9 to 9.5			G1_SB-09A G1_SB-09A_3.5-4 L1318162-04 09/13/2013 3.5 to 4			G1_SB-09A G1_SB-09A_9.5-10 L1318162-03 09/13/2013 9.5 to 10			G1_SB-10B G1_SB-10B_4-4.5 L1318161-01 09/13/2013 4 to 4.5			G1_SB-10B G1_SB-10B_9.5-10 L1318161-02 09/13/2013 9.5 to 10		
Volatile Organic Compounds (mg/kg)																																	
1,2,4,5-Tetramethylbenzene	~	~	0.0035	J	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
1,2,4-Trimethylbenzene	~	~	0.017		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,2-Dichloroethane	0.9	3	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
1,3,5-Trimethylbenzene (Mesitylene)	~	~	0.0082		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,4-Diethyl Benzene	~	~	0.011		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
4-Ethyltoluene	~	~	0.0072		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Acetone	70,000	~	0.032		1	*28*	U	25	0.0095	U	1	0.033		1	0.0088	U	1	0.049		1	0.013	U	1	0.015	U	1	0.0082	J	1	0.0063	J	1
Benzene	2	51	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Bromomethane	25	59	0.0032	U	1	5.6	U	25	0.0019	U	1	0.00063	J	1	0.00039	J	1	0.00066	J	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Carbon Disulfide	7,800	110,000	0.016	U	1	28	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.011	J	1	0.0092	U	1
Chloromethane	4	12	0.0081	U	1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.011		1	0.0046	U	1
Cyclohexane	~	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Cymene	~	~	0.028		1	73		25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.01		1	0.00092	U	1
Ethylbenzene	7,800	110,000	0.0011	J	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Isopropylbenzene (Cumene)	~	~	0.00059	J	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Methyl Acetate	78,000	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Methyl Ethyl Ketone (2-Butanone)	3,100	44,000	0.016	U	1	*28*	U	25	0.0095	U	1	0.0053	J	1	0.0088	U	1	0.0067	J	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
Methylcyclohexane	~	~	0.0065	U	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Methylene Chloride	34	97	0.016	U	1	*28*	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
M-P-Xylene	~	~	0.0042		1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Naphthalene	6	17	**100**		5	14	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0013	J	1	0.018		1	0.0046	U	1
N-Propylbenzene	~	~	0.0016	U	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0034		1	*5.6*	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Styrene	90	260	0.0013	J	1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Toluene	6,300	91,000	0.00065	J	1	0.77	J	25	0.0014	U	1	0.0018	U	1	0.0013	U	1	0.0018	U	1	0.00028	J	1	0.0023	U	1	0.0021	U	1	0.0014	U	1
Trichloroethylene (TCE)	7	20	0.0016	U	1	*2.8*	U	25	0.0014		1	0.0012	U	1	0.00038	J	1	0.0012	U	1	0.024		1	0.0004	J	1	0.0014	U	1	0.00092	U	1
Xylene (Total)	12,000	170,000	0.0176			ND			ND			ND			ND			ND			ND			ND			ND			ND		

Notes:
1. Grab soil sample analytical results are compared to the N .J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are highlighted and bolded.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location			G1_COMP-01S						G1_COMP-01D			G1_COMP-02S			G1_COMP-02D			G1_COMP-03S			G1_COMP-03D			G1_COMP-04S			G1_COMP-04D			G1_COMP-05S			G1_COMP-05D		
Client Sample ID	NJ RDCSRS	NJ NRDCSRS	G1_COMP-01S_0-5			G1_COMP-DUP_091313_S			G1_COMP-01D_5-10			G1_COMP-02S_0-5			G1_COMP-02D_5-10			G1_COMP-03S_0-5			G1_COMP-03D_5-10			G1_COMP-04S_0-5			G1_COMP-04D_5-10			G1_COMP-05S_0-5			G1_COMP-05D_5-10		
Lab Sample ID			L1318158-12			L1318158-14			L1318158-11			L1318159-04			L1318159-05			L1318009-10			L1318009-09			L1318009-06			L1318009-04			L1318158-04			L1318158-03		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			0 to 5			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	0.16	J	1	0.12	J	2	0.32		1	0.13	J	2	0.32		1	0.37	J	4	0.27	J	2	0.41		1	0.25	J	4	0.27		1	0.27		1
3-Methylphenol	~	~	0.26	U	1	0.51	U	2	0.3	U	1	0.52	U	2	0.29	U	1	1.1	U	4	0.58	U	2	0.28	U	1	1.1	U	4	0.28	U	1	0.29	U	1
Acenaphthene	3,400	37,000	0.3		1	0.29		2	0.5		1	0.63		2	0.64		1	1		4	0.7		2	0.55		1	1.5		4	0.74		1	0.88		1
Acenaphthylene	~	300,000	0.24		1	0.43		2	0.18		1	0.26	J	2	0.16		1	0.14	J	4	0.15	J	2	0.11	J	1	0.28	J	4	0.19		1	0.21		1
Anthracene	17,000	30,000	0.94		1	1		2	1.7		1	1.9		2	1.4		1	2.6		4	2		2	1.8		1	4.2		4	1.9		1	2.1		1
Benzaldehyde	6,100	68,000	0.24	U	1	0.47	U	2	0.12	J	1	0.48	U	2	0.2	J	1	0.99	U	4	0.53	U	2	0.26	U	1	1	U	4	0.13	J	1	0.11	J	1
Benzo(a)anthracene	0.6	2	**2.1**		1	**2.1**		2	**4.7**		1	**4.4**		2	**2.8**		1	**4.9**		4	**3.1**		2	**3.1**		1	**8.5**		4	**4.8**		1	**3.7**		1
Benzo(a)pyrene	0.2	0.2	**1.9**		1	**1.9**		2	**5.2**		1	**3.5**		2	**2.9**		1	**4.1**		4	**2.7**		2	**2.7**		1	**8.1**		4	**5**		1	**3.8**		1
Benzo(b)fluoranthene	0.6	2	**2.1**		1	**2.2**		2	**6.5**		1	**4.6**		2	**3.5**		1	**5**		4	**3.4**		2	**3.4**		1	**9.5**		4	**7.1**		1	**4.8**		1
Benzo(g,h,i)perylene	380,000	30,000	1.2		1	1.6		2	3.9		1	2.3		2	1.9		1	2.2		4	1.6		2	1.5		1	4.9		4	3.4		1	2.4		1
Benzo(k)fluoranthene	6	23	0.97		1	0.86		2	2.3		1	1.7		2	1.4		1	2		4	1.3		2	1.2		1	3.1		4	2.2		1	1.8		1
Biphenyl (Diphenyl)	3,100	34,000	0.41	U	1	0.81	U	2	0.13	J	1	0.82	U	2	0.12	J	1	1.7	U	4	0.92	U	2	0.12	J	1	1.8	U	4	0.082	J	1	0.099	J	1
Bis(2-Ethylhexyl) Phthalate	35	140	0.18	U	1	0.35	U	2	0.21	U	1	0.36	U	2	0.2	U	1	0.4	J	4	0.4	U	2	0.33		1	0.78	U	4	0.2	U	1	0.2	U	1
Carbazole	24	96	0.33		1	0.33	J	2	0.58		1	0.7		2	0.65		1	0.76		4	0.48		2	0.54		1	1.2		4	0.78		1	0.8		1
Chrysene	62	230	2.2		1	2		2	4.8		1	4.2		2	3.2		1	4.7		4	3.3		2	2.9		1	9.6		4	4.8		1	3.6		1
Dibenz(a,h)anthracene	0.2	0.2	**0.34**		1	**0.36**		2	**0.96**		1	**0.72**		2	**0.6**		1	**0.66**		4	**0.44**		2	**0.44**		1	**1.2**		4	**1.2**		1	**0.7**		1
Dibenzofuran	~	~	0.26		1	0.22	J	2	0.67		1	0.38		2	0.59		1	0.73	J	4	0.63		2	0.65		1	0.84		4	0.57		1	0.61		1
Di-n-butylphthalate	6,100	68,000	0.18	U	1	0.35	U	2	0.21	U	1	0.12	J	2	0.2	U	1	0.75	U	4	0.4	U	2	0.05	J	1	0.78	U	4	0.2	U	1	0.2	U	1
Fluoranthene	2,300	24,000	4.2		1	4		2	12		2	8.8		2	6.5		1	10		4	7.7		2	6.3		1	20		4	5.5		1	6.7		1
Fluorene	2,300	24,000	0.37		1	0.33	J	2	0.83		1	0.61		2	0.84		1	1.1		4	0.88		2	0.78		1	1.8		4	0.93		1	0.98		1
Indeno(1,2,3-c,d)pyrene	0.6	2	**1.3**		1	**1.7**		2	**4.3**		1	**2.6**		2	**2.1**		1	**2.6**		4	**1.8**		2	**1.8**		1	**5.2**		4	**3.7**		1	**2.7**		1
Naphthalene	6	17	0.21		1	0.19	J	2	1.1		1	0.17	J	2	0.73		1	0.81		4	0.36	J	2	0.81		1	0.4	J	4	0.4		1	0.38		1
Phenanthrene	~	300,000	3.8		1	3.3		2	7		1	7.6		2	5.5		1	9.8		4	7.9		2	6		1	17		4	5.3		1	6.6		1
Phenol	18,000	210,000	0.18	U	1	0.35	U	2	0.21	U	1	0.36	U	2	0.2	U	1	0.75	U	4	0.4	U	2	0.2	U	1	0.78	U	4	0.2	U	1	0.2	U	1
Pyrene	1,700	18,000	3.8		1	3.7		2	8.2		1	7.4		2	5.3		1	8.4		4	6.5		2	5		1	20		4	6.3		1	6.6		1
Total SVOCs	~	~	26.72	J	1	26.63	J	2	65.99	J		52.72	J	2	41.35	J	1	62.27	J	4	45.21	J	2	40.49	J	1	117.57	J	4	55.292	J	1	49.839	J	1
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0336	J	1	0.0237	J	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.00971	J	1	0.0123	J	1	0.0379	U	1	0.0401	U	1
Aroclor 1254	~	~	0.0349	U	1	0.0343	U	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.0388	U	1	0.0383	U	1	0.0379	U	1	0.0401	U	1
Total PCBs	0.2	1	0.0336	J	1	0.0237	J	1	ND		1	ND		1	ND		1	ND		1	ND		1	0.00971	J	1	0.0123	J	1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	2	8	0.032	U	10	0.0317	U	10	0.0364	U	10	0.0318	J	10	0.0366	U	10	0.033	U	10	0.0176	U	5	0.017	U	5	0.0342	U	10	0.0347	U	10	0.0351	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	6000		2	6300		2	4800		2	7900		2	3700		2	6900		2	5600		2	7400		2	6600		2	7500		2	5900		2
Antimony	31	450	4.1	U	2	4.2	U	2	4.8	U	2	4.2	U	2	4.8	U	2	3.4	J	2	2.8	J	2	5.8		2	2	J	2	4.7	U	2	4.7	U	2
Arsenic	19	19	7.1		2	9.1		2	**54**		2	7.2		2	**46**		2	9.4		2	**34**		2	17		2	14		2	10		2	12		2
Barium	16,000	59,000	280		2	270		2	89		2	390		2	170		2	180		2	87		2	210		2	100		2	250		2	160		2
Beryllium	16	140	3.2		2	2.2		2	0.38	J	2	3.7		2	0.32	J	2	7.8		2	0.45	J	2	0.69		2	0.38	J	2	10		2	0.7		2
Cadmium	78	78	1.4		2	1.3		2	1.2		2	1.1		2	0.8	J	2	1.2		2	2.2		2	1		2	0.92		2	2.1		2	1.1		2
Calcium	~	~	54000		2	33000		2	7200		2	83000		2	7700		2	110000		10	20000		2	34000		2	14000		2	11000		2	13000		2
Chromium Trivalent	~	~	53		1	37		1	12		1	43		1	12		1	57		1	15		1	31		1	18		1	74		1	16		1
Chromium Hexavalent	~	~	0.88	U	1	0.87	U	1	1	U	1	0.88	U	1	0.99	U	1	0.68	J	1	0.39	J	1	0.71	J	1	0.65	J	1	0.96	U	1	0.97	U	1
Chromium, Total	~	~	53		2	37		2	12		2	43		2	12		2	57		2	15		2	31		2	18		2	74		2	16		2
Cobalt	1,600	590	45		2	29		2	8.7		2	25		2	3.6		2	25		2	15		2	59		2	7.6		2	34		2	13		2
Copper	3,100	45,000	810		2	570		2	100		2	480		2	130		2	500		2	170		2	300		2	86		2	620		2	170		2
Iron	~	~	34000		2	31000		2	29000		2	25000		2	26000		2	25000		2	42000		2	24000		2	21000		2	31000		2	26000		2
Lead	400	800	**860**		2	**700**		2	150		2	**1600**		2	160		2	**410**		2	330		2	**640**		2	220		2	**950**		2	**550**		2
Magnesium	~	~	20000		2	7000		2	1100		2	27000		2	720		2	7000		2	2400		2	3700		2	5000		2	1700		2	4600		2
Manganese	11,000	5,900	430		2	330		2	130		2	300		2	90		2	850		2	240		2	230		2	280		2	380		2	230		2
Mercury	23	65	1.6		1	1.1		1	0.33		1	0.49		1	0.46		1	0.34		1	1		1	0.21		1	0.46		1	0.85		1	0.72		1
Nickel	1,600	23,000	76		2	51		2	16		2	44		2	8.8		2	51		2	23		2	22		2	16		2	63		2	26		2
Potassium	~	~	790		2	830		2	870		2	1000		2	610		2	810		2	630		2	790		2	770		2	830		2	720		2
Selenium	390	5,700	0.48	J	2	0.72	J	2	4.8		2	0.66	J	2	4		2	1.7	U	2	3.4		2	0.5	J	2	0.91	J	2	1.2	J	2	1.1	J	2
Silver	390	5,700	0.28	J	2	0.27	J	2	0.96	U	2	0.84	U	2	0.96	U	2	0.17	J	2	0.94	U	2	0.94	U	2	0.92	U	2	1.5		2	0.94	U	2
Sodium	~	~	760		2	600		2	1100		2	810		2	790		2	760		2	480		2	520		2	320		2	470		2	210		2
Vanadium	78	1,100	18		2	20		2	19		2	24		2	15		2	24		2	18		2	28		2	29		2	18		2	19		2
Zinc	23,000	110,000	4700		20	2700		20	64		2	2800		10	74		2	2500		10	240		2	1400		2	230		2	3700		20	600		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.19	J	1	0.42	J	1	2.2	J	1	0.13	J	1	0.71	J	1	1.6	J	1	1.9	J	1	1.4	J	1	1.8	J	1	4.7		1	0.61	J	1
Total Petroleum Hydrocarbons	~	~	317		2	528		2	152		1	403		2	492		5	1210		10	162		1	396		1	254		1	537		1	234		1
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1	U	1	1	U	1	1.2	U	1	1	U	1	1.2	U	1	1.1	U	1	1.2	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1

Notes:
1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NJ RDCSRS	NJ NRDCSRS	G1_COMP-06S			G1_COMP-06D			G1_COMP-07S			G1_COMP-07D			G1_COMP-08S			G1_COMP-08D			G1_COMP-09S			G1_COMP-09D			G1_COMP-10S			G1_COMP-10D		
Client Sample ID			G1_COMP-06S_0-5			G1_COMP-06D_5-10			G1_COMP-07S_0-5			G1_COMP-07D_5-10			G1_COMP-08S_0-5			G1_COMP-08D_5-10			G1_COMP-09S_0-5			G1_COMP-09D_5-10			G1_COMP-10S_0-5			G1_COMP-10D_5-10		
Lab Sample ID			L1318158-07			L1318158-08			L1318164-04			L1318164-03			L1318164-06			L1318164-05			L1318162-01			L1318162-02			L1318161-03			L1318161-04		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013		
Sample Depth (feet bgs)			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	2.8		1	0.4		1	0.18	J	2	0.24		1	3.6		10	0.091	J	1	0.7		2	1.1		2	1.2		1	11		10
3-Methylphenol	~	~	0.28	U	1	0.28	U	1	0.52	U	2	0.27	U	1	2.6	U	10	0.28	U	1	0.52	U	2	0.29	J	2	0.23	J	1	0.87	J	10
Acenaphthene	3,400	37,000	6.6		1	1.6		1	0.44		2	0.38		1	5.6		10	0.18		1	1.6		2	2.5		2	0.83		1	22		10
Acenaphthylene	~	300,000	0.71		1	0.23		1	0.13	J	2	0.17		1	1.4	U	10	0.16	U	1	0.46		2	1.8		2	0.15	J	1	4.3		10
Anthracene	17,000	30,000	6.5		1	4.1		1	1.4		2	1.2		1	9		10	0.4		1	3.8		2	5.8		2	1		1	44		10
Benzaldehyde	6,100	68,000	0.29		1	0.081	J	1	0.48	U	2	0.25	U	1	2.4	U	10	0.26	U	1	0.48	U	2	0.6	U	2	0.66		1	2.8	U	10
Benzo(a)anthracene	0.6	2	**3.8**		1	**7.5**		1	**3.5**		2	**3.1**		1	**13**		10	**0.92**		1	**6.3**		2	**9.8**		2	**1.4**		1	**80**		10
Benzo(a)pyrene	0.2	0.2	**2.1**		1	**6.8**		1	**2.8**		2	**3.3**		1	**12**		10	**0.94**		1	**6.8**		2	**10**		2	**1.3**		1	**82**		10
Benzo(b)fluoranthene	0.6	2	**3.3**		1	**6.4**		5	**3.4**		2	**4.2**		1	**15**		10	**1.1**		1	**7.4**		2	**12**		2	**1.6**		1	**88**		50
Benzo(g,h,i)perylene	380,000	30,000	1		1	4.1		1	1.6		2	2.4		1	7.7		10	0.57		1	4.3		2	6.3		2	0.88		1	57		10
Benzo(k)fluoranthene	6	23	1.1		1	2.5		1	1.3		2	1.7		1	**6.1**		10	0.39		1	3.2		2	4		2	0.78		1	**35**		10
Biphenyl (Diphenyl)	3,100	34,000	1		1	0.16	J	1	0.82	U	2	0.078	J	1	0.69	J	10	0.44	U	1	0.2	J	2	0.41	J	2	0.24	J	1	4	J	10
Bis(2-Ethylhexyl) Phthalate	35	140	0.09	J	1	0.19	U	1	0.15	J	2	0.053	J	1	1.8	U	10	0.074	J	1	0.36	U	2	0.46	U	2	0.22	U	1	2.2	U	10
Carbazole	24	96	3.2		1	1.4		1	0.42		2	0.4		1	3.4		10	0.14	J	1	1.3		2	2.1		2	0.53		1	**28**		10
Chrysene	62	230	3.6		1	6.8		1	3.6		2	3.6		1	13		10	0.94		1	6.3		2	10		2	1.5		1	**75**		10
Dibenz(a,h)anthracene	0.2	0.2	**0.33**		1	**1.3**		1	**0.43**		2	**0.59**		1	**2**		10	0.15		1	**1.3**		2	**1.5**		2	**0.25**		1	**20**		10
Dibenzofuran	~	~	4.4		1	1.2		1	0.39		2	0.4		1	3		10	0.15	J	1	0.86		2	2.1		2	0.62		1	25		10
Di-n-butylphthalate	6,100	68,000	0.19	U	1	0.19	U	1	0.36	U	2	0.19	U	1	1.8	U	10	0.2	U	1	0.36	U	2	0.46	U	2	0.044	J	1	2.2	U	10
Fluoranthene	2,300	24,000	13		5	15		5	6.3		2	6.7		1	28		10	1.9		1	11		2	25		4	3.6		1	180		50
Fluorene	2,300	24,000	6.1		1	1.9		1	0.47		2	0.5		1	5		10	0.18	J	1	1.6		2	2.7		2	0.72		1	28		10
Indeno(1,2,3-c,d)pyrene	0.6	2	**1.2**		1	**4.5**		1	**1.8**		2	**2.6**		1	**8.9**		10	**0.63**		1	**4.2**		2	**6.9**		2	**0.93**		1	**66**		10
Naphthalene	6	17	**11**		5	0.69		1	0.27	J	2	0.41		1	**6.6**		10	0.11	J	1	1.5		2	2.8		2	**8.3**		1	**35**		10
Phenanthrene	~	300,000	24		5	15		5	6.3		2	5.6		1	29		10	1.8		1	9		2	17		2	3.5		1	220		50
Phenol	18,000	210,000	0.19	U	1	0.19	U	1	0.36	U	2	0.19	U	1	1.8	U	10	0.2	U	1	0.36	U	2	0.17	J	2	0.22	U	1	2.2	U	10
Pyrene	1,700	18,000	9.5		5	12		5	6		2	6		1	24		10	1.6		1	10		2	18		2	2.9		1	140		50
Total SVOCs	~	~	105.62	J		93.661	J		40.88	J	2	43.621	J	1	195.59	J	10	12.265	J	1	81.82	J	2	142.27	J		33.164	J	1	1245.17	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0383	U	1	0.0382	U	1	0.0213	J	1	0.0117	J	1	0.0336	J	1	0.0389	U	1	0.055		1	0.0436	U	1	0.0449	U	1	0.041	U	1
Aroclor 1254	~	~	0.0383	U	1	0.0382	U	1	0.0353	U	1	0.0249	J	1	0.0352	U	1	0.0389	U	1	0.0349	U	1	0.0436	U	1	0.0449	U	1	0.041	U	1
Total PCBs	0.2	1	ND		1	ND		1	0.0213	J	1	0.0366	J	1	0.0336	J	1	ND		1	0.055		1	ND		1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	2	8	0.0329	U	10	0.0332	U	10	0.0331	U	10	0.0115	J	5	0.0309	U	10	0.0174	U	5	0.021	J	10	0.0397	U	10	0.0211	J	10	0.0371	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	5900		2	5100		2	6700		2	3500		2	8400		2	6500		2	6900		2	4200		2	6700		2	12000		2
Antimony	31	450	4.5	U	2	1.3	J	2	4.2	U	2	1.2	J	2	4.2	U	2	4.6	U	2	4.3	U	2	5.7		2	5.3	U	2	5	U	2
Arsenic	19	19	11		2	11		2	6.3		2	18		2	13		2	**30**		2	9.6		2	12		2	16		2	13		2
Barium	16,000	59,000	140		2	120		2	200		2	120		2	340		2	110		2	160		2	420		2	150		2	180		2
Beryllium	16	140	2.1		2	0.39	J	2	4.2		2	0.21	J	2	4		2	1		2	4.9		2	0.44	J	2	0.52	J	2	1		2
Cadmium	78	78	0.83	J	2	0.77	J	2	1.5		2	0.66	J	2	1.4		2	1.6		2	1.2		2	1.8		2	0.69	J	2	1.2		2
Calcium	~	~	44000		2	11000		2	34000		2	18000		2	48000		2	13000		2	52000		2	9200		2	14000		2	14000		2
Chromium Trivalent	~	~	22		1	12		1	54		1	8.4		1	54		1	13		1	39		1	15		1	26		1	29		1
Chromium Hexavalent	~	~	0.23	J	1	0.94	U	1	0.89	U	1	0.92	U	1	0.88	U	1	0.94	U	1	0.89	U	1	1.1	U	1	1.1	U	1	1	U	1
Chromium, Total	~	~	22		2	12		2	54		2	8.4		2	54		2	13		2	39		2	15		2	26		2	29		2
Cobalt	1,600	590	16		2	7.6		2	56		2	5		2	29		2	10		2	37		2	7.1		2	4.9		2	20		2
Copper	3,100	45,000	230		2	100		2	920		2	150		2	440		2	310		2	680		2	2900		2	66		2	180		2
Iron	~	~	18000		2	15000		2	33000		2	14000		2	26000		2	28000		2	27000		2	26000		2	20000		2	20000		2
Lead	400	800	320		2	310		2	**810**		2	330		2	**680**		2	380		2	**460**		2	370		2	210		2	370		2
Magnesium	~	~	14000		2	2300		2	11000		2	1400		2	14000		2	1200		2	18000		2	1500		2	2700		2	3000		2
Manganese	11,000	5,900	210		2	270		2	440		2	180		2	280		2	120		2	310		2	230		2	140		2	800		2
Mercury	23	65	0.2		1	0.45		1	1.4		1	1.2		1	0.22		1	1.5		1	0.12		1	0.64		1	0.47		1	0.91		1
Nickel	1,600	23,000	29		2	15		2	92		2	13		2	51		2	17		2	69		2	16		2	14		2	29		2
Potassium	~	~	760		2	780		2	820		2	570		2	1300		2	860		2	910		2	920		2	930		2	1700		2
Selenium	390	5,700	1.8		2	1.1	J	2	0.49	J	2	2.6		2	0.69	J	2	2.4		2	0.8	J	2	1.3	J	2	1.7	J	2	0.8	J	2
Silver	390	5,700	0.9	U	2	0.92	U	2	0.32	J	2	0.88	U	2	0.85	U	2	0.21	J	2	0.2	J	2	0.25	J	2	1.1	U	2	0.99	U	2
Sodium	~	~	240		2	160	J	2	710		2	440		2	560		2	550		2	710		2	460		2	420		2	460		2
Vanadium	78	1,100	19		2	18		2	19		2	13		2	24		2	21		2	18		2	17		2	46		2	26		2
Zinc	23,000	110,000	1200		2	400		2	5400		10	130		2	2500		10	220		2	3800		10	690		2	110		2	240		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	4.9		1	20		1	1.6	J	1	0.2	J	1	1.6	J	1	1.8	J	1	1.5	J	1	2	J	1	30		1	0.7	J	1
Total Petroleum Hydrocarbons	~	~	548		2	320		1	264		1	322		1	402		1	148		1	1020		2	789		2	414		1	2430		10
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1	U	1	1.1	U	1	1	U	1	1.4	U	1	1.3	U	1	1.3	U	1

Notes:
1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location		G1_COMP-01S			G1_COMP-01S			G1_COMP-01D			G1_COMP-02S			G1_COMP-02D			G1_COMP-03S			G1_COMP-03D			G1_COMP-04S			G1_COMP-04D			G1_COMP-05S			G1_COMP-05D		
Client Sample ID		G1_COMP-01S_0-5			G1_COMP-DUP_091313_S			G1_COMP-01D_5-10			G1_COMP-02S_0-5			G1_COMP-02D_5-10			G1_COMP-03S_0-5			G1_COMP-03D_5-10			G1_COMP-04S_0-5			G1_COMP-04D_5-10			G1_COMP-05S_0-5			G1_COMP-05D_5-10		
Lab Sample ID	**USEPA RCRA TCLP**	L1318158-12			L1318158-14			L1318158-11			L1318159-04			L1318159-05			L1318009-10			L1318009-09			L1318009-06			L1318009-04			L1318158-04			L1318158-03		
Sample Date		09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)		0 to 5			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Lead	5	0.48	J	1	0.34	J	1	0.19	J	1	0.72		1	0.06	J	1	0.04	J	1	0.1	J	1	0.18	J	1	0.43	J	1	**5.4**		1	1.9		1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Arsenic	5	1	U	1	1	U	1	0.03	J	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1
Barium	100	0.85		1	0.81		1	0.29	J	1	0.37	J	1	0.16	J	1	0.39	J	1	0.44	J	1	0.53		1	0.66		1	1		1	0.99		1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.02	J	1	0.1	U	1	0.1	U	1	0.01	J	1	0.01	J	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1
RCRA Characteristics		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
pH (pH units)	<2 or >12.5	8.6		1	9		1	7.7		1	8.3		1	8.9		1	8.4		1	8		1	9.4		1	7.9		1	7.8		1	7.5		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Paint Filter (Negative/Positive)	~	Negative		1	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes:
1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminations for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/NI = Ignitable/ Not Ignitable
11. DF = Dilution Factor

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location		**G1_COMP-06S**			**G1_COMP-06D**			**G1_COMP-07S**			**G1_COMP-07D**			**G1_COMP-08S**			**G1_COMP-08D**			**G1_COMP-09S**			**G1_COMP-09D**			**G1_COMP-10S**			**G1_COMP-10D**		
Client Sample ID		**G1_COMP-06S_0-5**			**G1_COMP-06D_5-10**			**G1_COMP-07S_0-5**			**G1_COMP-07D_5-10**			**G1_COMP-08S_0-5**			**G1_COMP-08D_5-10**			**G1_COMP-09S_0-5**			**G1_COMP-09D_5-10**			**G1_COMP-10S_0-5**			**G1_COMP-10D_5-10**		
Lab Sample ID	**USEPA RCRA TCLP**	**L1318158-07**			**L1318158-08**			**L1318164-04**			**L1318164-03**			**L1318164-06**			**L1318164-05**			**L1318162-01**			**L1318162-02**			**L1318161-03**			**L1318161-04**		
Sample Date		**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**		
Sample Depth (feet bgs)		**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Lead	5	0.31	J	1	0.4	J	1	0.07	J	1	0.06	J	1	0.2	J	1	0.41	J	1	0.36	J	1	0.38	J	1	0.24	J	1	0.22	J	1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Arsenic	5	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1
Barium	100	0.42	J	1	0.27	J	1	0.71		1	0.55		1	0.41	J	1	0.22	J	1	0.28	J	1	0.3	J	1	0.25	J	1	0.13	J	1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.02	J	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1
RCRA Characteristics		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
pH (pH units)	<2 or >12.5	8.8		1	7.6		1	8.7		1	8.2		1	11		1	7.6		1	7.8		1	7.6		1	7.7		1	7.5		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Paint Filter (Negative/Positive)	~	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes:
1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminations for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/NI = Ignitable/ Not Ignitable
11. DF = Dilution Factor

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 5A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	**NYSDEC PART 375 UNRESTRICTED SCO**	**NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO**	**CSO_SB-01A**			**CSO_SB-02B**			**CSO_SB-03A**			**CSO_SB-04B**			**CSO_SB-05A**			**CSO_SB-06A**		
Client Sample ID			**CSO_SB-01A_0-0.5**			**CSO_SB-02B_5-5.5**			**CSO_SB-03A_8.5-9**			**CSO_SB-04B_6.5-7.0**			**CSO_SB-05A_7.5-8.0**			**CSO_SB-06A_3.5-4**		
Lab Sample ID			**L1318168-03**			**L1318166-01**			**L1318166-04**			**L1318166-07**			**L1318167-02**			**L1318167-03**		
Sample Date			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**		
Sample Depth (feet bgs)			**0 to 0.5**			**5 to 5.5**			**8.5 to 9**			**6.5 to 7**			**7.5 to 8**			**3.5 to 4**		
Volatile Organic Compounds (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Acetone	0.05	100	0.0034	J	1	0.0036	J	1	0.0085	J	1	0.013	U	1	0.0065	J	1	*0.64*	U	1
M-P-Xylene	~	~	0.002	U	1	0.0022	U	1	0.0024	U	1	0.0027	U	1	0.0018	U	1	0.024	J	1
Naphthalene	12	100	0.005	U	1	0.0017	J	1	0.0061	U	1	0.0067	U	1	0.0046	U	1	0.68		1
Tetrachloroethylene(PCE)	1.3	19	0.001	U	1	0.0011	U	1	0.0012	U	1	0.0013	U	1	0.00092	U	1	0.029	J	1
Toluene	0.7	100	0.0015	U	1	0.0016	U	1	0.0018	U	1	0.002	U	1	0.0014	U	1	0.027	J	1
Trichloroethylene (TCE)	0.47	21	0.001	U	1	0.0011	U	1	0.0012	U	1	0.00039	J	1	0.00092	U	1	**1.5**		1
Xylene (total)	0.26	100	ND			ND			ND			ND			ND			0.024	J	

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 5B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	CSO_COMP-01			CSO_COMP-02			CSO_COMP-03			CSO_COMP-04			CSO_COMP-05			CSO_COMP-06		
Client Sample ID			CSO_COMP-01_0-10			CSO_COMP-02_0-10			CSO_COMP-03_0-10			CSO_COMP-04_0-10			CSO_COMP-05_0-10			CSO_COMP-06_0-10		
Lab Sample ID			L1318168-06			L1318166-02			L1318166-03			L1318166-05			L1318167-01			L1318167-04		
Sample Date			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013		
Sample Depth (feet bgs)			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	0.093	J	1	0.9	U	4	0.33		1	0.23	U	1	0.49		1	0.11	J	1
3-Methylphenol	0.33	100	0.26	U	1	*1.1*	U	4	0.32	U	1	0.28	U	1	0.062	J	1	0.28	U	1
Acenaphthene	20	100	0.35		1	0.16	J	4	1.1		1	0.072	J	1	0.82		1	0.058	J	1
Acenaphthylene	100	100	0.11	J	1	0.21	J	4	0.43		1	0.16	U	1	0.64		1	0.11	J	1
Anthracene	100	100	1.6		1	0.72		4	2.9		1	0.26		1	2		1	0.22		1
Atrazine	~	~	0.14	U	1	0.6	U	4	0.18	U	1	0.16	U	1	0.15	U	1	0.16	U	1
Benzaldehyde	~	~	0.24	U	1	0.99	U	4	0.29	U	1	0.26	U	1	0.25	U	1	0.26	U	1
Benzo(a)anthracene	1	1	**4.5**		1	**2**		4	**3.9**		1	0.51		1	**3.2**		1	0.74		1
Benzo(a)pyrene	1	1	**4.3**		1	**2.6**		4	**3.5**		1	0.56		1	**3.3**		1	0.98		1
Benzo(b)fluoranthene	1	1	**5.3**		1	**2.8**		4	**4.1**		1	0.65		1	**3.9**		1	**1.4**		1
Benzo(g,h,i)perylene	100	100	2.5		1	1.9		4	1.7		1	0.41		1	2.2		1	0.83		1
Benzo(k)fluoranthene	0.8	3.9	**1.6**		1	**1.1**		4	**1.7**		1	0.24		1	**1.5**		1	0.47		1
Biphenyl (Diphenyl)	~	~	0.41	U	1	1.7	U	4	0.12	J	1	0.45	U	1	0.17	J	1	0.44	U	1
Bis(2-Ethylhexyl) Phthalate	~	~	0.068	J	1	0.75	U	4	0.22	U	1	0.2	U	1	0.19	U	1	0.19	U	1
Carbazole	~	~	0.22		1	0.27	J	4	1.2		1	0.097	J	1	0.77		1	0.082	J	1
Chrysene	1	3.9	**4.2**		1	**2.2**		4	**3.5**		1	0.55		1	**3.1**		1	0.93		1
Dibenz(a,h)anthracene	0.33	0.33	**0.76**		1	**0.44**	J	4	**0.57**		1	0.11	J	1	**0.61**		1	0.23		1
Dibenzofuran	7	59	0.17	J	1	0.75	U	4	0.86		1	0.086	J	1	0.78		1	0.19	U	1
Di-n-butylphthalate	~	~	0.18	U	1	0.75	U	4	0.22	U	1	0.04	J	1	0.19	U	1	0.054	J	1
Fluoranthene	100	100	9.4		2	4		4	7.6		1	1.2		1	6.8		1	1.2		1
Fluorene	30	100	0.35		1	0.22	J	4	1.4		1	0.09	J	1	0.89		1	0.094	J	1
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**2.7**		1	**1.8**		4	**2**		1	0.39		1	**2.3**		1	**0.82**		1
Naphthalene	12	100	0.14	J	1	0.32	J	4	0.52		1	0.1	J	1	1		1	0.16	J	1
Phenanthrene	100	100	4.3		1	2.5		4	7.6		1	0.99		1	6.1		1	0.89		1
Pyrene	100	100	9		2	3.5		4	6.6		1	1.1		1	5.7		1	1.2		1
Total SVOCs	~	~	51.661	J		26.74	J		51.85	J		7.455	J		46.332	J		10.578	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0359	U	1	0.0283	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1254	~	~	0.0359	U	1	0.0231	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1248	~	~	0.0359	U	1	0.0246	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Total PCBs	0.1	1	ND	J		0.076	J		ND	J		ND	J		ND	J		ND	J	
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	0.0033	7.9	**0.0249**	J	10	*0.0328*	U	10	*0.0392*	U	10	**0.00388**		1	*0.0331*	U	10	**0.0223**	J	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	7100		2	8700		2	7000		2	9000		2	8900		2	11000		2
Antimony	~	~	4.3	U	2	4.4	U	2	1.9	J	2	4.6	U	2	4.3	U	2	4.4	U	2
Arsenic	13	16	4.8		2	10		2	**20**		2	9.6		2	10		2	7.8		2
Barium	350	400	110		2	160		2	150		2	160		2	140		2	160		2
Beryllium	7.2	72	0.34	J	2	0.87		2	0.54		2	1.2		2	1.3		2	1.5		2
Cadmium	2.5	4.3	0.6	J	2	0.87	J	2	0.93	J	2	0.93		2	0.96		2	1.1		2
Calcium	~	~	4700		2	28000		2	26000		2	31000		2	28000		2	23000		2
Chromium Trivalent	30	180	14		1	25		1	14		1	18		1	28		1	**32**		1
Chromium Hexavalent	1	110	0.23	J	1	0.91	U	1	*1.1*	U	1	0.95	U	1	0.91	U	1	0.94	U	1
Chromium, Total	~	~	14		2	25		2	14		2	18		2	28		2	32		2
Cobalt	~	~	6.8		2	12		2	7.4		2	11		2	16		2	17		2
Copper	50	270	42		2	**230**		2	**87**		2	**68**		2	**210**		2	**190**		2
Iron	~	~	15000		2	22000		2	23000		2	18000		2	18000		2	27000		2
Lead	63	400	**160**		2	**360**		2	**920**		2	**420**		2	**610**		2	**310**		2
Magnesium	~	~	2800		2	6700		2	3400		2	6800		2	10000		2	8200		2
Manganese	1600	2000	280		2	320		2	490		2	270		2	300		2	280		2
Mercury	0.18	2.8	**0.36**		1	**0.45**		1	**0.41**		1	**0.23**		1	**0.49**		1	**0.5**		1
Nickel	30	310	12		2	24		2	12		2	23		2	**34**		2	**34**		2
Potassium	~	~	1000		2	1100		2	1200		2	800		2	1200		2	1000		2
Selenium	3.9	180	1.7	U	2	0.91	J	2	0.48	J	2	0.68	J	2	0.41	J	2	0.4	J	2
Sodium	~	~	78	J	2	320		2	440		2	240		2	690		2	410		2
Vanadium	~	~	19		2	25		2	20		2	20		2	22		2	25		2
Zinc	109	10000	**360**		2	**700**		2	**370**		2	**290**		2	**1100**		2	**780**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.082	J	1	1.6	J	1	1.6	J	1	1.3	J	1	3		1	0.76	J	1
Total Petroleum Hydrocarbons	~	~	182		1	1850		5	317		1	74.5		1	251		1	234		2
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1.1	U	1	1.1	U	1	1.3	U	1	1.2	U	1	1.1	U	1	1.1	U	1

Notes:

1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor

Qualifiers (Q):

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 5C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	**NJ RDCSRS**	**NJ NRDCSRS**	**CSO_SB-01A**			**CSO_SB-02B**			**CSO_SB-03A**			**CSO_SB-04B**			**CSO_SB-05A**			**CSO_SB-06A**		
Client Sample ID			**CSO_SB-01A_0-0.5**			**CSO_SB-02B_5-5.5**			**CSO_SB-03A_8.5-9**			**CSO_SB-04B_6.5-7.0**			**CSO_SB-05A_7.5-8.0**			**CSO_SB-06A_3.5-4**		
Lab Sample ID			**L1318168-03**			**L1318166-01**			**L1318166-04**			**L1318166-07**			**L1318167-02**			**L1318167-03**		
Sample Date			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**		
Sample Depth (feet bgs)			**0 to 0.5**			**5 to 5.5**			**8.5 to 9**			**6.5 to 7**			**7.5 to 8**			**3.5 to 4**		
Volatile Organic Compounds (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Acetone	70,000	~	0.0034	J	1	0.0036	J	1	0.0085	J	1	0.013	U	1	0.0065	J	1	0.64	U	1
M-P-Xylene	~	~	0.002	U	1	0.0022	U	1	0.0024	U	1	0.0027	U	1	0.0018	U	1	0.024	J	1
Naphthalene	6	17	0.005	U	1	0.0017	J	1	0.0061	U	1	0.0067	U	1	0.0046	U	1	0.68		1
Tetrachloroethylene(PCE)	2	5	0.001	U	1	0.0011	U	1	0.0012	U	1	0.0013	U	1	0.00092	U	1	0.029	J	1
Toluene	6,300	91,000	0.0015	U	1	0.0016	U	1	0.0018	U	1	0.002	U	1	0.0014	U	1	0.027	J	1
Trichloroethylene (TCE)	7	20	0.001	U	1	0.0011	U	1	0.0012	U	1	0.00039	J	1	0.00092	U	1	1.5		1
Xylene (total)	12,000	170,000	ND			ND			ND			ND			ND			0.024	J	

Notes:

1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.

2. Only compounds with detections are shown in the table.
3. There are no reported NJ RDCSRS exceedances.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 5D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NJ RDCSRS	NJ NRDCSRS	CSO_COMP-01			CSO_COMP-02			CSO_COMP-03			CSO_COMP-04			CSO_COMP-05			CSO_COMP-06		
Client Sample ID			CSO_COMP-01_0-10			CSO_COMP-02_0-10			CSO_COMP-03_0-10			CSO_COMP-04_0-10			CSO_COMP-05_0-10			CSO_COMP-06_0-10		
Lab Sample ID			L1318168-06			L1318166-02			L1318166-03			L1318166-05			L1318167-01			L1318167-04		
Sample Date			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013		
Sample Depth (feet bgs)			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	0.093	J	1	0.9	U	4	0.33		1	0.23	U	1	0.49		1	0.11	J	1
3-Methylphenol	~	~	0.26	U	1	1.1	U	4	0.32	U	1	0.28	U	1	0.062	J	1	0.28	U	1
Acenaphthene	3,400	37,000	0.35		1	0.16	J	4	1.1		1	0.072	J	1	0.82		1	0.058	J	1
Acenaphthylene	~	300,000	0.11	J	1	0.21	J	4	0.43		1	0.16	U	1	0.64		1	0.11	J	1
Anthracene	17,000	30,000	1.6		1	0.72		4	2.9		1	0.26		1	2		1	0.22		1
Atrazine	210	2,400	0.14	U	1	0.6	U	4	0.18	U	1	0.16	U	1	0.15	U	1	0.16	U	1
Benzaldehyde	6,100	68,000	0.24	U	1	0.99	U	4	0.29	U	1	0.26	U	1	0.25	U	1	0.26	U	1
Benzo(a)anthracene	0.6	2	**4.5**		1	**2**		4	**3.9**		1	0.51		1	**3.2**		1	**0.74**		1
Benzo(a)pyrene	0.2	0.2	**4.3**		1	**2.6**		4	**3.5**		1	**0.56**		1	**3.3**		1	**0.98**		1
Benzo(b)fluoranthene	0.6	2	**5.3**		1	**2.8**		4	**4.1**		1	**0.65**		1	**3.9**		1	**1.4**		1
Benzo(g,h,i)perylene	380,000	30,000	2.5		1	1.9		4	1.7		1	0.41		1	2.2		1	0.83		1
Benzo(k)fluoranthene	6	23	1.6		1	1.1		4	1.7		1	0.24		1	1.5		1	0.47		1
Biphenyl (Diphenyl)	3,100	34,000	0.41	U	1	1.7	U	4	0.12	J	1	0.45	U	1	0.17	J	1	0.44	U	1
Bis(2-Ethylhexyl) Phthalate	35	140	0.068	J	1	0.75	U	4	0.22	U	1	0.2	U	1	0.19	U	1	0.19	U	1
Carbazole	24	96	0.22		1	0.27	J	4	1.2		1	0.097	J	1	0.77		1	0.082	J	1
Chrysene	62	230	4.2		1	2.2		4	3.5		1	0.55		1	3.1		1	0.93		1
Dibenz(a,h)anthracene	0.2	0.2	**0.76**		1	**0.44**	J	4	**0.57**		1	0.11	J	1	**0.61**		1	**0.23**		1
Dibenzofuran	~	~	0.17	J	1	0.75	U	4	0.86		1	0.086	J	1	0.78		1	0.19	U	1
Di-n-butylphthalate	6,100	68,000	0.18	U	1	0.75	U	4	0.22	U	1	0.04	J	1	0.19	U	1	0.054	J	1
Fluoranthene	2,300	24,000	9.4		2	4		4	7.6		1	1.2		1	6.8		1	1.2		1
Fluorene	2,300	24,000	0.35		1	0.22	J	4	1.4		1	0.09	J	1	0.89		1	0.094	J	1
Indeno(1,2,3-c,d)pyrene	0.6	2	**2.7**		1	**1.8**		4	**2**		1	0.39		1	**2.3**		1	**0.82**		1
Naphthalene	6	17	0.14	J	1	0.32	J	4	0.52		1	0.1	J	1	1		1	0.16	J	1
Phenanthrene	~	300,000	4.3		1	2.5		4	7.6		1	0.99		1	6.1		1	0.89		1
Pyrene	1,700	18,000	9		2	3.5		4	6.6		1	1.1		1	5.7		1	1.2		1
Total SVOCs	~	~	51.661	J		26.74	J		51.85	J		7.455	J		46.332	J		10.578	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0359	U	1	0.0283	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1254	~	~	0.0359	U	1	0.0231	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1248	~	~	0.0359	U	1	0.0246	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Total PCBs	0.2	1	ND	J		0.076	J		ND	J		ND	J		ND	J		ND	J	
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	2	8	0.0249	J	10	0.0328	U	10	0.0392	U	10	0.00388		1	0.0331	U	10	0.0223	J	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	7100		2	8700		2	7000		2	9000		2	8900		2	11000		2
Antimony	31	450	4.3	U	2	4.4	U	2	1.9	J	2	4.6	U	2	4.3	U	2	4.4	U	2
Arsenic	19	19	4.8		2	10		2	**20**		2	9.6		2	10		2	7.8		2
Barium	16,000	59,000	110		2	160		2	150		2	160		2	140		2	160		2
Beryllium	16	140	0.34	J	2	0.87		2	0.54		2	1.2		2	1.3		2	1.5		2
Cadmium	78	78	0.6	J	2	0.87	J	2	0.93	J	2	0.93		2	0.96		2	1.1		2
Calcium	~	~	4700		2	28000		2	26000		2	31000		2	28000		2	23000		2
Chromium Trivalent	~	~	14		1	25		1	14		1	18		1	28		1	32		1
Chromium Hexavalent	~	~	0.23	J	1	0.91	U	1	1.1	U	1	0.95	U	1	0.91	U	1	0.94	U	1
Chromium, Total	~	~	14		2	25		2	14		2	18		2	28		2	32		2
Cobalt	1,600	590	6.8		2	12		2	7.4		2	11		2	16		2	17		2
Copper	3,100	45,000	42		2	230		2	87		2	68		2	210		2	190		2
Iron	~	~	15000		2	22000		2	23000		2	18000		2	18000		2	27000		2
Lead	400	800	160		2	360		2	**920**		2	**420**		2	**610**		2	310		2
Magnesium	~	~	2800		2	6700		2	3400		2	6800		2	10000		2	8200		2
Manganese	11,000	5,900	280		2	320		2	490		2	270		2	300		2	280		2
Mercury	23	65	0.36		1	0.45		1	0.41		1	0.23		1	0.49		1	0.5		1
Nickel	1,600	23,000	12		2	24		2	12		2	23		2	34		2	34		2
Potassium	~	~	1000		2	1100		2	1200		2	800		2	1200		2	1000		2
Selenium	390	5,700	1.7	U	2	0.91	J	2	0.48	J	2	0.68	J	2	0.41	J	2	0.4	J	2
Sodium	~	~	78	J	2	320		2	440		2	240	~	2	690		2	410		2
Vanadium	78	1,100	19		2	25		2	20		2	20		2	22		2	25		2
Zinc	23,000	110,000	360		2	700		2	370		2	290		2	1100		2	780		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.082	J	1	1.6	J	1	1.6	J	1	1.3	J	1	3		1	0.76	J	1
Total Petroleum Hydrocarbons	~	~	182		1	1850		5	317		1	74.5		1	251		1	234		2
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1.1	U	1	1.1	U	1	1.3	U	1	1.2	U	1	1.1	U	1	1.1	U	1

Notes:

1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor

Qualifiers (Q):

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 5E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location **Client Sample ID** **Lab Sample ID** **Sample Date** **Sample Depth (feet bgs)**	**USEPA RCRA TCLP**	**CSO_COMP-01** **CSO_COMP-01_0-10** **L1318168-06** **09/14/2013** **0 to 10**			**CSO_COMP-02** **CSO_COMP-02_0-10** **L1318166-02** **09/14/2013** **0 to 10**			**CSO_COMP-03** **CSO_COMP-03_0-10** **L1318166-03** **09/14/2013** **0 to 10**			**CSO_COMP-04** **CSO_COMP-04_0-10** **L1318166-05** **09/14/2013** **0 to 10**			**CSO_COMP-05** **CSO_COMP-05_0-10** **L1318167-01** **09/14/2013** **0 to 10**			**CSO_COMP-06** **CSO_COMP-06_0-10** **L1318167-04** **09/14/2013** **0 to 10**		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Lead	5	0.13	J	1	0.18	J	1	3.6		1	1.7		1	0.62		1	1.5		1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Arsenic	5	1	U	1	1	U	1	1	U	1	1	U	1	0.03	J	1	1	U	1
Barium	100	0.5		1	0.6		1	0.64		1	0.5		1	0.59		1	0.65		1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.01	J	1	0.1	U	1	0.1	U	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1
RCRA Characteristics		Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL
pH (pH units)	<2 or >12.5	9		1	10		1	8.4		1	7.9		1	8.2		1	8.1		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI			NI			NI			NI			NI			NI		
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL
Paint Filter (Negative/Positive)	~	NA			NA			NA			NA			NA			NA		

Notes:

1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in the table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminants for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/ NI = Ignitable/ Not Ignitable

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 6
QA/QC Sample Detections Summary
Waste Characterization Technical Memo

Buildings G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Client Sample ID	**FB01_091213**		**FB01_091313**		**TB01_091213**		**TB03_091313**		**TB01_091313**		**TB02_091313**		**TB04_091313**		**TB05_091313**	
Sampling Date	**9/12/2013**		**9/13/2013**		**9/12/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**	
Lab Sample ID	**L1318001-07**		**L1318159-01**		**L1318001-08**		**L1318158-15**		**L1318159-06**		**L1318161-05**		**L1318162-05**		**L1318164-09**	
Sample Type	**Field Blank**		**Field Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**	
VOC (µg/l)																
Acetone	5	U	3	J	5	U	3.8	J	2.3	J	2.6	J	2.1	J	5	U
SVOC (µg/l)																
Bis(2-Ethylhexyl)phthalate	2	J	3	U	NA		NA		NA		NA		NA		NA	
Total Metals (µg/l)																
Aluminum, Total	2.91	J	10	U	NA		NA		NA		NA		NA		NA	
Barium, Total	0.24	J	0.25	J	NA		NA		NA		NA		NA		NA	
Calcium, Total	102		50.4	J	NA		NA		NA		NA		NA		NA	
Chromium, Total	0.9	J	1		NA		NA		NA		NA		NA		NA	
Copper, Total	0.18	J	1	U	NA		NA		NA		NA		NA		NA	
Manganese, Total	0.34	J	0.31	J	NA		NA		NA		NA		NA		NA	
Nickel, Total	0.39	J	0.36	J	NA		NA		NA		NA		NA		NA	
Sodium, Total	146		177		NA		NA		NA		NA		NA		NA	
PCB (µg/l)																
Total PCBs	ND		ND		NA		NA		NA		NA		NA		NA	
Pesticides (µg/l)																
Pesticides	ND		ND		NA		NA		NA		NA		NA		NA	
Herbicides (µg/l)																
Herbicides	ND		ND		NA		NA		NA		NA		NA		NA	
General Chemistry (µg/l)																
Cyanide, Total	ND		ND		NA		NA		NA		NA		NA		NA	

Notes:
1. Only compounds with detections are shown in the table.
2. VOC = Volatile Organic Compounds
3. SVOC = Semi-Volatile Organic Compounds
4. PCB = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. NA = Not Analyzed
7. ND= Not Detected

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.

Table 7
QA/QC Sample Detections Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Client Sample ID	**TB01_091413**		**TB02_091413**		**TB03_091413**	
Sampling Date	**9/14/2013**		**9/14/2013**		**9/14/2013**	
Lab Sample ID	**L1318166-06**		**L1318167-05**		**L1318168-07**	
Sample Type	**Trip Blank**		**Trip Blank**		**Trip Blank**	
VOC (µg/l)						
Acetone	5	U	3.8	J	2.6	J
SVOC (µg/l)						
Bis(2-Ethylhexyl)phthalate	NA		NA		NA	
Total Metals (µg/l)						
Aluminum, Total	NA		NA		NA	
Barium, Total	NA		NA		NA	
Calcium, Total	NA		NA		NA	
Chromium, Total	NA		NA		NA	
Copper, Total	NA		NA		NA	
Manganese, Total	NA		NA		NA	
Nickel, Total	NA		NA		NA	
Sodium, Total	NA		NA		NA	
PCB (µg/l)						
Total PCBs	NA		NA		NA	
Pesticides (µg/l)						
Pesticides	NA		NA		NA	
Herbicides (µg/l)						
Herbicides	NA		NA		NA	
General Chemistry (µg/l)						
Cyanide, Total	NA		NA		NA	

Notes and Qualifiers:

1. Only compounds with detections are shown in the table.
2. VOC = Volatile Organic Compounds
3. SVOC = Semi-Volatile Organic Compounds
4. PCB = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. NA = Not Analyzed
7. ND= Not Detected
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.

Table 8
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYCDEP Discharge Parameters

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYCDEP Discharge Parameters**	**GB12OW** **GB12OW_091913** **L1318577-02** **9/19/2013**		
VOC (mg/l)		Result	Q	DF
Chloroform	~	0.0015	U	1
1,1,1-Trichloroethane	~	0.002	U	1
1,4-Dichlorobenzene	~	0.005	U	1
Benzene	0.134	0.001	U	1
Carbon tetrachloride	~	0.001	U	1
Ethylbenzene	0.38	0.001	U	1
Methyl tert butyl ether	0.05	0.0012	J	1
o-Xylene	~	0.001	U	1
p/m-Xylene	~	0.002	U	1
Tetrachloroethene	0.02	0.0015	U	1
Toluene	0.074	0.001	U	1
Xylene (Total)	0.074	0.002	U	1
SVOC (mg/l)		Result	Q	DF
1,2,4-Trichlorobenzene	~	0.005	U	1
Naphthalene	0.047	0.005	U	1
Phenol	~	0.007	U	1
PCB (mg/l)		Result	Q	DF
Total PCBs	0.001	ND		1
Total Metals (mg/l)		Result	Q	DF
Cadmium	2	0.005	U	1
Copper	5	0.01	U	1
Chromium, Hexavalent	5	0.01	U	1
Lead	2	0.015		1
Mercury	0.05	0.0002	U	1
Nickel	3	0.025	U	1
Zinc	5	0.01	J	1
General Chemistry		Result	Q	DF
Chloride (mg/l)	~	920		10
Flash Point (degree F)	<140	150	>	1
Nitrogen, Nitrate/Nitrite (mg/l)	~	0.13		1
Nitrogen, Total Kjeldahl (mg/l)	~	5.49		1
Non-Polar Material by EPA 1664 (mg/l)	50	4	U	1
pH (SU's)	5-11	6.6		1
CBOD, 5 day (mg/l)	~	2	U	1
Total Nitrogen (mg/l)	~	5.6		1
Total Solids (mg/l)	~	2700		1
Total Suspended Solids (mg/l)	350	75		1

Notes and Qualifiers (Q):

1. Groundwater analytical results are compared to the New York City Department of Environmental Protection (NYCDEP) Limitations for Efluent to Sanitary or Combined Sewers.
2. There are no reported exceedances of NYCDEP criteria.
3. VOC = Volatile Organic Compounds
4. SVOC = Semi-Volatile Organic Compounds
5. PCB = Polychlorinated Biphenyls
7. mg/l = milligrams per liter
8. "-" = Criteria does not exist.
9. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL.
10. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
11. DF = Dilution Factor

Table 9
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYSDEC TOGS AWQS - Class I

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYSDEC TOGS AWQS Class I**	**GB12OW** **GB12OW_091913** **L1318578-02** **9/19/2013**		
VOC (µg/l)		Result	Q	DF
1,1,1-Trichloroethane	~	2	U	1
1,1,2,2-Tetrachloroethane	~	1	U	1
1,1,2-Trichloroethane	~	1.5	U	1
1,1-Dichloroethane	~	1.5	U	1
1,1-Dichloroethene	~	1	U	1
1,2-Dichlorobenzene	~	5	U	1
1,2-Dichloroethane	~	1.5	U	1
1,2-Dichloropropane	~	3.5	U	1
1,3-Dichlorobenzene	~	5	U	1
1,4-Dichlorobenzene	~	5	U	1
2-Chloroethylvinyl ether	~	10	U	1
Benzene	10	1	U	1
Bromodichloromethane	~	1	U	1
Bromoform	~	1	U	1
Bromomethane	~	5	U	1
Carbon tetrachloride	~	1	U	1
Chlorobenzene	5	3.5	U	1
Chloroethane	~	2	U	1
Chloroform	~	1.5	U	1
Chloromethane	~	5	U	1
cis-1,2-Dichloroethene	~	1	U	1
cis-1,3-Dichloropropene	~	1.5	U	1
Dibromochloromethane	~	1	U	1
Ethylbenzene	4.5	1	U	1
Methyl tert butyl Ether	~	10	U	1
Methylene chloride	200	5	U	1
o-xylene	~	1	U	1
p/m-Xylene	~	2	U	1
Tetrachloroethene	1	*1.5*	U	1
Toluene	92	1	U	1
trans-1,2-Dichloroethene	~	1.5	U	1
trans-1,3-Dichloropropene	~	1.5	U	1
Trichloroethene	40	1	U	1
Trichlorofluoromethane	~	5	U	1
Vinyl chloride	~	2	U	1
Xylene (Total)	19	2	U	1
Total Metals (µg/l)		Result	Q	DF
Antimony	~	12	J	1
Arsenic	36	5	U	1
Beryllium	~	5	U	1
Cadmium	7.7	1	J	1
Chromium	~	10	U	1
Copper	5.6	*10*	U	1
Lead	8	**18**		1
Mercury	0.0026	*0.2*	U	1
Nickel	8.2	*25*	U	1
Selenium, Total	~	10	U	1
Silver, Total	~	7	U	1
Thallium, Total	~	20	U	1
Zinc, Total	66	12	J	1
General Chemistry		Result	Q	DF
Nitrogen, Nitrate/Nitrite (µg/l)	20000	22	J	1
Oil & Grease, Hem-Grav (µg/l)	~	4000	U	1
pH (SU)	~	6.6		1
Solids, Total Suspended (µg/l)	~	69000		1
Solids, Total Settleable (ml/l)	~	0.1	<	1

Notes and Qualifiers (Q):

1. Groundwater samples analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGV) Class I.
2. NYSDEC TOGS Class I exceedances are shaded and bolded.
3. VOC = Volatile Organic Compounds
4. µg/l - micrograms per liter
5. ml/l = milliliters per liter
6. ~ = Criteria does not exist.
7. DF = Dilution Factor
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
10. Reporting limits above TOGS Class I values are italicized.

Table 10
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYSDEC TOGS Groundwater Effluent Limitations - Class GA

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date	Groundwater Effluent Limitations (Class GA)	GB12OW GB12OW_091913 L1318578-02 9/19/2013			GB12OW GB12OW_091913 L1318577-02 9/19/2013		
VOC (µg/l)		Result	Q	DF	Result	Q	DF
1,1,1-Trichloroethane	5	2	U	1	2	U	1
1,1,2,2-Tetrachloroethane	5	1	U	1	NA		
1,1,2-Trichloroethane	1	*1.5*	U	1	NA		
1,1-Dichloroethane	5	1.5	U	1	NA		
1,1-Dichloroethene	5	1	U	1	NA		
1,2-Dichlorobenzene	3	*5*	U	1	NA		
1,2-Dichloroethane	0.6	*1.5*	U	1	NA		
1,2-Dichloropropane	1	*3.5*	U	1	NA		
1,3-Dichlorobenzene	3	*5*	U	1	NA		
1,4-Dichlorobenzene	3	*5*	U	1	*5*	U	1
2-Chloroethylvinyl ether	~	10	U	1	NA		
Benzene	1	1	U	1	1	U	1
Bromodichloromethane	50	1	U	1	NA		
Bromoform	50	1	U	1	NA		
Bromomethane	5	5	U	1	NA		
Carbon tetrachloride	5	1	U	1	1	U	1
Chlorobenzene	5	3.5	U	1	NA		
Chloroethane	5	2	U	1	NA		
Chloroform	7	1.5	U	1	1.5	U	1
Chloromethane	~	5	U	1	NA		
cis-1,2-Dichloroethene	5	1	U	1	NA		
cis-1,3-Dichloropropene	0.4	*1.5*	U	1	NA		
Dibromochloromethane	50	1	U	1	NA		
Ethylbenzene	5	1	U	1	1	U	1
Methyl tert butyl Ether	10	10	U	1	1.2	J	1
Methylene chloride	5	5	U	1	NA		
o-xylene	5	1	U	1	1	U	1
p/m-Xylene	5	2	U	1	2	U	1
Tetrachloroethene	5	1.5	U	1	1.5	U	1
Toluene	5	1	U	1	1	U	1
trans-1,2-Dichloroethene	5	1.5	U	1	NA		
trans-1,3-Dichloropropene	0.4	*1.5*	U	1	NA		
Trichloroethene	5	1	U	1	NA		
Trichlorofluoromethane	5	5	U	1	NA		
Vinyl chloride	2	2	U	1	NA		
Xylene (Total)	5	2	U	1	2	U	1
SVOC (ug/l)		Result	Q	DF	Result	Q	DF
1,2,4-Trichlorobenzene	5	NA			5	U	1
Naphthalene	10	NA			5	U	1
Phenol	2	NA			*7*	U	1
PCB (µg/l)		Result	Q	DF	Result	Q	DF
Aroclor 1016	~	NA			0.05	U	1
Aroclor 1221	~	NA			0.05	U	1
Aroclor 1232	~	NA			0.05	U	1
Aroclor 1242	~	NA			0.05	U	1
Aroclor 1248	~	NA			0.05	U	1
Aroclor 1254	~	NA			0.05	U	1
Aroclor 1260	~	NA			0.05	U	1
Total PCB	0.09	NA			ND		
Total Metals (µg/l)		Result	Q	DF	Result	Q	DF
Antimony	6	**12**	J	1	NA		
Arsenic	50	5	U	1	NA		
Beryllium	3	*5*	U	1	NA		
Cadmium	10	1	J	1	5	U	1
Chromium	100	10	U	1	NA		
Chromium, Hexavalent	100	NA			10	U	1
Copper	1000	10	U	1	10	U	1
Lead	50	18		1	15		1
Mercury	1.4	0.2	U	1	0.2	U	1
Nickel	200	25	U	1	25	U	1
Selenium, Total	20	10	U	1	NA		
Silver, Total	100	7	U	1	NA		
Thallium, Total	0.5	*20*	U	1	NA		
Zinc, Total	5000	12	J	1	0.01	J	1
General Chemistry		Result	Q	DF	Result	Q	DF
Chloride (mg/l)	~	NA			920		10
CBOD, 5 day (µg/l)	~	NA			2000	U	1
Flash Point (degree F)	~	NA			150	>	1
Nitrogen, Nitrate/Nitrite (µg/l)	~	22	J	1	130		1
Nitrogen, Total Kjeldahl (µg/l)	~	NA			5490		1
Total Nitrogen (µg/l)	10000	NA			5600		1
Non-Polar Material by EPA 1664 (µg/l)	~	NA			4000	U	1
Oil & Grease, Hem-Grav (µg/l)	~	4000	U	1	NA		
pH (SU)	~	6.6		1	6.6		1
Total Solids (mg/l)	~	NA			2700		1
Solids, Total Suspended (µg/l)	~	69000		1	75000		1
Solids, Total Settleable (ml/l)	~	0.1	<	1	NA		

Notes and Qualifiers (Q):

1. Groundwater samples analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Effluent Limiations and 6 NYCRR Part 703.6 Groundwater Effluent Limitations for Discharges to Class GA Waters.

2. NYSDEC Class GA exceedances are shaded and bolded.
3. VOC = Volatile Organic Compounds
4. µg/l - micrograms per liter
5. ml/l = milliliters per liter
6. ~ = Criteria does not exist.
7. DF = Dilution Factor
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
10. Reporting limits above Class GA values are italicized.
11. NA - Not Analyzed
12. ND - Not Detected

ATTACHMENT A

BUILDING G1

BORING LOGS

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LOG OF BORING G1-SB-1A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 feet	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Road bed graded material, F gravel (tan), loose, intermixed w. construction debris	0.6					slight moist Max PID = 0.0ppm
	orange brown rock frags or mortar, pink/red refractory brick, brown gravel material w. M to C sand, loose.	1 / 1.3					Max PID = 0.0ppm Slight moist. No odor/stain.
	Concrete debris (concrete frags), cobble-size zoned. M sand w. silt, rock frags. Dense. Gray to brown gray. Fill. 14"	2 / 2.5			45/60		Max PID = 0.0ppm Slightly moist. No odor/stain
	Construction debris. Brown mortar, crushed and gravel sized red brick, light gray mortar. Large single piece. Fill. 15"	3 / 3.8					Max PID = 0.0ppm No odor/stain *sample G1-SB-1A-4-4.5 collected
	no recovery 3.8-5' bgs	4 / 5					
	no recovery 5-5.7' bgs	5.7					
2	Gray + grayish white mortar includes very large cobble of cement. Fill. 9"	6					Max PID = 0.0ppm No odor/stain.
	Brown F to M sand w. red brick frags, construction debris. Fill. 9"	7			52/60		Max PID = 0.0ppm No odor/stain
	Olive mottled and gray black silt w. rock frags (angular) gravel. Very firm. 6"						Max PID = 0.0ppm Wet. No odor/stain.
	Dark gray silt/silty clay w. F sand and F to M gravel. Loose. May contain cinders or ash. 10"	8					Max PID = 0.0ppm Wet, No odor/stain.
	Med gray loose F gravel w. some silt, F to M gravel (brownish gray). Fill. 10"	9					Max PID = 0.0ppm wet, No odor/stain *sample G1-SB-1A-9-9.5
	Fibrous wood pieces. Fill. 5"						Max PID = 0.0ppm. No stain. wood pieces have solvent-like odor
	F sand brown-dark gray, med dense, some fly ash, tr. F gravel. Fill 3'	10					Max PID = 0.0ppm Wet, No odor.
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING G-SB-1B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic INC	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohner (log compiled by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt plus 2 underlying beds; coarse rock frags, gravel, Fill, 9"	0.75					Max PID = 0.0ppm No odor/stain
	Pink/red brick (refractory) and dark gray F gravel/C sand plus lesser F sands to silts, Med dense, 9", Fill	1 / 1.5					Max PID = 0.0ppm Slightly moist No odor/stain.
	Assorted sand size mixed gravel and construction debris, No size above F gravel and refractory pink/red brick, Fill	2 / 2.3			42/60		Max PID = 0.0ppm No odor/stain
	orange brown disintegrating concrete to sand or perhaps orange stained granite to sand! silt, brownish gray, med dense Fill, 13"	3					Max PID = 0.0ppm Slightly moist. No odor, Perhaps orange stain
	Concrete pieces. Fill 6"	3.8					Max PID = 0.0ppm No odor/stain.
	No recovery 3.8 - 5' bgs	4					
		5					
2	No recovery 5 - 6.1 bgs	6					
	red brown frags, probable construction brick, Fill	6.1					Max PID = 0.0ppm No odor/stain.
	Pk gray, loose, med/coarse sandy F gravel. M gravel. Trace to some concrete	7			46/60		Max PID = 0.0ppm No odor/stain
	Olive to dark gray, some Med. coarse sand, med dense, some med gravel Fill, 7"						Max PID = 0.0ppm Moist to wet
	Fibrous wood pieces. Fill 1/2"	8					Max PID = 0.0ppm Wood frags have solvent-like odor No stain
	Dark gray silt w. F sand, super F to M gravel, med dense, w. large red brick frags at base of top 1/3,	9					Max PID = 0.0ppm wet. No odor/stain
	Silt and clay brown (weathered in place?), silt dark gray clay, gray/white coarse debris	10					Max PID = 0.0ppm wet, No odor/stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-2A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

FWI	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt coal bed, w F to C gravel, Fill, 6".	0.5					Max PID=0.0ppm 0-10', 6" intervals No odor/stain
	DK gray M sand w. wood frags ~1" long. Loose						Slightly moist. No odor/stain
	Brownish gray F sand, very loose w. red brick uniform size frags. 5", Fill	1					Slightly moist. No odor/stain
	crush mortar, yellowish gray. Loose.						Slightly moist. No odor/stain.
	DK gray M sand, loose, some M gravel frags. Fill						Moist. No odor/stain
	Crush brick/mortar well mixed poorly sorted (well graded). May have been single or multiple large frags prior to sonic sampling. Fill. 29"	2			50/60		No odor/stain
1		3					
		4					
	No recovery 4.2 to 5' bgs	4.2					
		5					
	No recovery 5 to 5.6' bgs	5.6					
	Compressed crush brick, w. silt underlain by mortar. Fill, 14".	6			53/60		No odor/stain.
	Crushed mortar, gray. Fill. 4"	7					No odor/stain.
2	Wood frags, very slight hint of aroma (solvent), similar to SB1B run 2.	7.6					Wood frags w. slight solvent-like aroma, No stain.
	Dark gray C sand, frags of gray brown masonary, med dense to dense. Cinders.	8					Wet. Smoke-like odor. No stain.
	Olive and dk gray M sand, some ash. 4".	8.6 / 8.9					No odor/stain.
	~~DK gray C sand, frags of gray brown masonary, med dense to dense, cinders.~~	9					No stain. Smoke-like aroma.
	Olive and dk gray M sand, some ash. 8".						No odor/stain.
	END OF BORING.	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-2B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft.	INSPECTOR	Bill Bohrer (log completed by N. Roll)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt and underlying C gravel and F gravel, well mixed due to sonic rig.	0.75					Max PID=0.0ppm for 0-10', 6" intervals, No odor/stain.
	Well mixed loose construction debris. Concrete aggregate frags, red brick, red/pink brick. Wire reinforcement. Very loose. Fill. 41"	1			50/60		No odor/stain. Slight moist.
		2					
		3					
		4					*sample GI-SB-2B-3.5 to 4 collected
	no recovery 4.2-5' bgs	4.2					
2	no recovery 5-5.4' bgs	5 / 5.4					
	Fly ash (coal ash) embedded in silt, clay. Silt/F sand orange to yellow, banded w. depth suggests leachate pit rxn, dense. Fly ash w/m brick mortar?	6					Moist. No odor.
	C dark gray loose sand, some F gravel	6.6			55/60		Wet. No odor/stain
	Silty clay, olive gray w orange brown, firm	7					Wet. No odor. Horizontal banding
	C sand, olive gray, some fly ash(?) loose						Wet. No odor/stain.
	Med gray C sand w. gravel + cinders						Loose + wet. No odor/stain.
	Dark gray C sand w. cinders + wood frags.	8					No odor/stain
	C sand, olive gray, fly ash(?) Med dense						No odor/stain. *sample GI-SB-2B-8-8.5 collected
	Dark gray C sand with multi-sized gravel, trace wood frags, loose. Cinders. Fill. 17".	9					Wet. No stain/odor.
	END OF BORING.	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI_SB-3A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft.	INSPECTOR	Bill Bohrer (log completed by N/Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt, olive silty gravel. Fill. 8"	0.7					No stain/odor *Max PID = 4168 ppm
	Crushed red brick Fill. 10"	1 1.5					No odor/stain. *Max PID = 8698 ppm
	Yellow/brown silt/sand w. cobble. Fill. 4"	1.9					No odor/stain. Slightly moist. Med. stiff, *Max PID = 1287 ppm
1	Concrete. Fill. 4"	2 2.2			60/60		No odor/stain
	Dark gray ash, firm. Fill. 4"	2.5					Moist. No odor/stain *Max PID = 2893 ppm
	Silt/F sand, olive gravel. Med. dense, Fill. 6"						slight moist. No odor/stain
	Dark gray cinder aggregate, similar to med gravel. Loose. Fill. 6"	3					No odor/stain.
	Concrete aggregate suspended in silty sand w. fine sand. Grayish brown Concrete w. some brick material Fill. 18".	4					Slightly moist. MaxPID > 9999 ppm No odor/stain. *Sample GI-SB-3A-4-4.5 Collected based on max PID reading
	no recovery 5-6' bgs	5					
	Reddish brown, rock frags in dark gray sandy silt, concrete and red brick	6					6". No odor/stain
	Red/pink brick w. gravel sand material. Loose. Fill. 14"	7 7.7			48/60		slightly moist. No odor/stain
2	Brownish gray M to F sand w. silt - some F gravel. Loose. Fill. 21".	8					wet. No odor/stain.
		9 9.4					*Sample GI-SB-3A-9-9.5 collected based on max PID reading.
	Yellow brown to olive. F gravel, crushed rock Fill, wet.	9.5					wet.
	Wood frag, slag, F to M sand, gray w. cinder material. Fill. 6".	10					No odor/stain.
	END OF BORING	11					
		12					
		13					
		14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING G1-SB-3B **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing		PROJECT NO. 170229002	
LOCATION Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY ADT		DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17C		COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING 4" ID		WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN German Torres	
SAMPLER 4" ID x 5ft.		INSPECTOR Bill Bohrer (log completed by N. Bell)	
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Data not Available	1					PID = 482 ppm PID = 0.0 ppm
		2			5g/60		PID = 1298 ppm
		3					PID = 538 ppm
		4					PID = 209 ppm
	no recovery 4.6 - 5' bgs	5					
2	Mix of loose construction debris. w. cobbles, concrete, red brick w. M sand and some F sand, tr. silt. Fill 18".	6 6.5					Max PID = 0.0 ppm No odor / stain.
	Loose unconsolidated brick (red) dark gray silt and sand, specks of olive silt. Fill 14".	7 7.6			60/60		Max PID = 0.0 ppm Moist. No odor / stain.
	Loose, dark gray w. white specks fine sand intermixed w. silt. Fill 22".	8 9 9.5					Max PID = 0.0 ppm Wet. No odor / stain.
	Silty clay or clayey silt, with cobble and rock. 6". Fill.	10					Max PID = 0.0 ppm
	END OF BORING	11 12 13 14					

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LOG OF BORING G1-SB-4A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Construction debris brick w. dark brown, sh gray silt and F sand. Some M gravel. Fill. 14"	1.2					Max PID=0.0 ppm Slightly moist. No odor/stain.
	Decomposing concrete w. M silt and concrete frags. Fill. 8"	1.8					Max PID=0.0 ppm Slightly moist. No odor/stain
	Crushed red brick. Fill. 4".	2.2			4/4		Max PID=0.0 ppm Slight moist. No odor/stain
	Dark gray cinder material.	3.3			6/6		Max PID=0.0 ppm No odor/stain. *Sample G1-SB-4A-2.5-3 collected
	Decomposed brown, yellow brown excavated debris (?)	4					Max PID=0.0 ppm wet/moist. No stain/odor.
	no recovery 4-5' bgs	5					
2	Dark gray medium sand. Dense. Fill. 12".	6					Max PID=0.0 ppm Smoke-like odor, no stain Moist.
	Coarse gravel w. olive F sand and silt. Medium dense. Multigrade gravel. Fill. 8"	6.7			6/6		Max PID=0.0 ppm Slight moist/moist. No stain/odor
	Dark gray organic w. F sand and silt. Tr wood frags. Firm. Fill. 4"	7			6/6		Max PID=0.0 ppm Moist. No odor/stain
	Olive F sand w. F gravel. Dense, esp. at base. Fill. 15"	8.25					Max PID=0.0 ppm Moist/wet. No odor/stain
	Dark gray and light green F material w. light gray to dark gray sand. Loose - med dense. Mottled w. white, some basalt rock frags, varying size gravel. Fill. 21".	9					Max PID=0.0 ppm Wet. No odor/stain. *Sample G1-SB-4A 9-9.5 Collected.
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING G1-SB-4B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229.002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

Run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray, hint of mottled light gray/white cinder material w. red brick and sand, silt.	0.5					Max PID = 0.0ppm No odor/stain Dense. Slight moist.
	Light gray/brown ash and silt, some white brick	0.9					Max PID = 0.0ppm Dense. Slight moist. No odor/stain
	red brick refractory stone material, frags to C sand, size material. Red/brown to dark gray mottled F sand. Fill. 12"	1 / 1.7			54/60		Max PID = 0.0ppm Slightly moist No odor/stain.
	Dark gray cinder/ash w. med/fine sand some silt, carbonized streaks. Fill. 10"	2 / 2.5					Max PID = 0.0ppm No odor.
	Dark gray w. white rock frags. Cement-type base. Med dense. Fill. 18".	3					Max PID = 0.0ppm Slight moist. No odor/stain
	Olive-dark gray compressed SILT w. sand and gravel, gray/dark gray. Fill.	4 / 4.5					Max PID = 0.0ppm No odor/stain.
	no recovery 4.5-5' bgs						
	no recovery 5-5.2 bgs	5					
2	Similar at end of run #1. Gray SILT w. sand, M gravel, refractory brick pieces. Fill 8"						Max PID = 0.0ppm No odor/stain
	Large red refractory brick frags in dark gray silt w. F gravel, ash like streaking. Fill. 9"	6			58/60		Max PID = 0.0ppm No odor/stain.
	Yellow tan/brown and olive gray F SAND w. gravel rock frags. May be from alluvial deposits. Med dense. Fill. 15".	7					Max PID = 0.0ppm No odor/stain Slightly moist
	Dk gray, organic rich silt. Fly ash (?)	8					Max PID = 0.0ppm No odor/stain
	Dark gray mottled w. olive gray F SAND w. M gravel. Fill. 18"	9					Max PID = 0.0ppm No odor/stain
	Red/pink refractory brick w. loose F. Sand						" " Wet.
	Dk gray, organic rich silt. w. slag-like material	10					" " Moist.
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING GL-SB-5A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Loose olive gray SAND matrix, large gravel / fragmented rock. Fill. 13"	1.1					Max PID = 0.0 ppm Slightly moist. No odor / stain
	Red brick / grey wood frags, some silt, med dense. Mottled brown to gray w. more gray dense wetter Fill.	2			52/100		Max PID = 0.0 ppm Slightly moist to moist. No odor / stain.
	Fine quartz sand w. med brown gray to med dense large silt volume (silty fine sand). Fill. 28"	3					Max PID = 0.0 ppm Moist to wet. No odor / stain
		4.3					
	no recovery 4.3 - 5' bgs	5					
2	no recovery 5 - 5.3' bgs	5.3					
	Gravel, med brown, very loose. Fill. 8".	6					Max PID = 0.0 ppm slightly moist. No odor / stain
	Red brick (crushed) w. dried gray crushed gravel, some silt. Fill. 8".	6.7			56/100		Max PID = 0.0 ppm No odor / stain
	Red / pink crushed brick re fractory glass mixed in. Loose. Fill. 6"	7 / 7.3					Max PID = 0.0 ppm No odor / stain Slightly moist.
	Brownish gray cement aggregate. Fill. 8".	8					Max PID = 0.0 ppm Slightly moist. No odor / stain.
	Concrete aggregate frags in matrix of concrete dust. Loose, Fill. 11"	8.9					Max PID = 0.0 ppm Slightly moist. No odor / stain
	Dark gray material over yellow brown med sand w. dark gray silt. Some wood frags. Med dens. Fill. 15".	9					Max PID = 0.0 ppm Moist. No odor / stain
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-5B **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing		PROJECT NO. 170229002	
LOCATION Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY ADT		DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17C		COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES: DIST. / UNDIST. / CORE	
CASING 4" ID		WATER LEVEL: FIRST / COMPL. / 24 HR.	
CASING HAMMER: WEIGHT / DROP		FOREMAN German Torres	
SAMPLER 4" ID x 5ft.		INSPECTOR Bill Bohrer (log completed by N. Bell)	
SAMPLER HAMMER: WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Crushed red brick within matrix of wet decomposed cement. Fill. 6"	0.5					Max PID=0.0ppm No odor / stain. wet.
	Dark gray med sand sized cinders, loose. Fill. 7"	1					Max PID=6.82ppm Slightly moist.
	Red/pink refractory brick (crushed) in crushed cement. Fill. 5"	1.1 1.5					Max PID=0.0ppm No odor / stain.
	Crushed brick w. olive sand. Fill. 3". Loose	1.75					Slightly moist. No odor / stain
	Dark gray M to F SAND sized CINDERS, med. dense to loose. Fill. 15"	2			52/60		Max PID=752ppm Slightly moist. No odor / stain.
	Same as above but also mixed w. olive gray sand. Dense. 5"	3 3.4					Max PID=2.81ppm Moist. No odor / stain.
	Dark gray M to F sand size. Medium dense to loose. Fill. 9"	4 4.3					Max PID=0.0ppm Slightly moist. No odor / stain
	No recovery 4.3-5' bgs	5					
2	No recovery 5-6.5' bgs	6 6.5					
	Dark gray M to F sand size. Med dense to loose. Fill. 6"	7			42/60		Max PID=0.0ppm No odor / stain.
	Dark gray M to F sand sized cinders, med dense to loose also w. olive gray sand. Fill. 6"	7.5					Max PID=0.0ppm Moist. No odor / stain.
	Gray to dark gray loose M to coarse silt abt 25% some rock fragment. Fill. 26"	8					Max PID=0.0ppm No odor / stain.
		9 9.6					
	Clay non-plastic w. sand and stiff gravel. Fill. 4"	10					Max PID=0.0ppm wet. No odor / stain
	END OF BORING	11					
		12					
		13					
		14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING GL-SB-6A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Pink/red refractory brick, pieces of gravel disassembled due to sonic rig. Fill. 17"	1 / 1.4					Max PID = 0.0 ppm No odor/stain.
	Dk gray silt and F sand w. dark gray wood frags, trace cinders, Loose	1.8					Max PID = 0.0 ppm slight moist. No odor/stain
	M gray w. pieces of red brick and concrete, mostly dense concrete Fill. 8"	2 / 2.5			5/60		Max PID = 0.0 ppm
	Wood frags gravel, silt + F sand. Gravel is M large, rounded and smaller angular pieces. Wood is fibrous/shredded, Loose. Fill. 17"	3 / 3.9					Max PID = 158 ppm Moist. No stain. Wood frags have creosote-like odor * sample GL-SB-6A-3.0-3.5 collected
	orange/yellow brown mottled w dark gray streaks (not stains) construction debris (red brick frags, gravel)	4 / 4.7					Max PID = 3.4 ppm No odor/stain
	No recovery 4.7 to 5' bgs	5					
2	No recovery 5 to 5.3' bgs	5.3					
	Gray concrete rubble, M sand (derived from concrete), med. dense. Fill. 12"	6 / 6.3			5/60		Max PID = 0.0 ppm Moist. No odor/stain
	construction debris, red brick, silt, Fill. 3"	6.6					Max PID = 0.0 ppm. No odor/stain
	Wood pieces. 11"	7 / 7.5					Max PID = 239 ppm Wood frags have solvent-like odor * sample GL-SB-6A-7-7.5 collected
	Reworked dk gray F sand and F gravel; med dense/med loose, Fill, 15"	8 / 8.75					Max PID = 0.0 ppm Wet. No odor/stain.
	Firm silt to very F sand w. F to loose angular to rounded gravel, brown, Tan to light gray, very firm silty clay med plasticity, grades downward, fine,	9 / 9.25					Max PID = 0.0 ppm Wet, No odor/stain. Max PID = 0.0 ppm Wet. No odor/stain.
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-6B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by K.B.)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLWS in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	poorly sorted silts to F gravel. Tan road bed. Fill. 10".	0.8					Max PID = 0.0 ppm No odor / stain
	poorly sorted silts to F gravel. Brownish dark gray quartz, M gravel (some). loose. Fill	1 1.4					Max PID = 0.0 ppm Wet., No odor / stain
	Construction debris, pink/red block, refractory brick, some mixed gravel + silt size pebbles, loose.	2 2.1			16/		Max PID = 0.0 ppm Slightly moist No odor / stain
	Wood frags, dark gray silt and F sand plus gravel to cobble size. Loose. Fill. 16".	3 3.4			60		Max PID = 0.0 ppm Wet. No odor / stain
	Brownish gray M to F sand w. some silt. F to M gravel, cobbles, loose. Fill. 10"	4 4.25					Max PID = 0.0 ppm Moist No odor / stain
	M to dark gray F sand w. some silt, F to M gravel. Loose. Fill	4.7					Max PID = 0.0 ppm Moist. No odor / stain.
	Construction debris, brick and concrete, very dense. Fill (expansion)	5					Max PID = 0.0 ppm No odor / stain
2	no recovery 5 to 5.6	5.6					
	orange brown med sand, med dense to dense. Some silt.	6					Max PID = 0.0 ppm Moist. No odor / stain
	Mottled brownish gray over orange brown F sand, some silt w. some F gravel. Fill, 9".	6.8			53/		Max PID = 0 Wet. No odor / stain.
	Identical matrix and color as above but also includes M to large gravel / rock frags. Fill. 9".	7 7.6			60		Max PID = 0 No odor / stain.
	Construction debris, dark gray silt and F sand, gravel. Loose. Fill. 10"	8 8.4					Max PID = 0 Moist. No odor / stain.
	Tan refractory matrix. Fill. 8".	9 9.1					Max PID = 0.0 ppm No odor / stain
	Dk gray F sand & silt, large sized gravel, exudes smoky aroma (slight). Fill. 8"	9.75					Max PID = 0 No stain. Slight smoke like odor
	Mottled dk gray clay-like or F silt or F sand. Fill	10					Max PID = 0 No odor / stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-7A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Olive brown F Sand and silt, slightly moist. Med dense. Heavy amts of construction debris (concrete plus gravel, M to F tr. F red brick frags and orange brown blobs of plastic clay. Topbase more firm. 36". Fill.	1, 2, 3			50/60		Max PID = 0.0ppm for 0-10', each 6" interval. Wet. No odor/stain.
	Begins w. red/orange conglomerate, then single pieces of red/orange construction stone, material aggregate (large brick?) Fill. 14"	4					No odor/stain. *sample GI-SB-7A-3.5-4 collected
	no recovery 4.2 to 5' bgs	5					
	no recovery 5 to 5.8' bgs	5.8					
2	Brown M sand w. tr. fly ash/coal ash? Includes brownish mass of orange/red at end. See GI-SB-1B. Thickness vary slightly suggesting similar deposition, may be due to sonic vibrations. Fill. 42".	6, 6.5, 7, 8, 9, 10			50/60		No odor/stain. No odor/stain. *sample GI-SB-7A-9-9.5 collected.
	END OF BORING	11, 12, 13, 14					

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LOG OF BORING GI-SB-7B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohner (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Gray concrete (original surface material). 6".						Max PID = 0.0 ppm from 0-10', every 6" interval.
	F tan gravel. Road bed. 4".						No odor/stain
	Red brick w. loose crushed brick.	1					No odor/stain
	Mix construction debris incl. 6" diameter concrete cobbles, crush brick, w gravel. Brick = red. Concrete = gray or white. Sand = olive gray to brownish gray. Loose.	2			44/60		Slightly moist. No odor/stain.
		3					
		3.8					
	no recovery 3.8 to 5' bgs	4					
		5					
2	no recovery 5 to 6' bgs						
		6					
	M sand w. some silt. Loose w. vary size and crush gravel. Zone. Tan zone - concrete (12-15"), Dark gray (6-10") may be cinders. 24". Fill.	7			48/60		Slightly moist. No odor/stain.
		8					
	Yellowish orange mottled over olive gray clayey/silty matrix. Firm. 8".	8.7					Moist. No odor/stain.
	M sand w. some silt, olive gray w. orange brown spots, wide size dist. of gravel. Some gravel/rocks derived from sand base concrete/granite	9					No odor/stain.
		10					
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING G1-SB-8A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohner (log completed by N. Beh)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Crushed concrete						Max PID = 0.0ppm from 0-10' every 6" interval. No odor/stain.
	DK grayish brown F sand and wood frags	1					No odor/stain.
	Crushed brick (red) and mortar. 9". Fill.						No odor/stain.
	DK gray silt, some rock frags (concrete) Brown F sand, off white fly ash (?)	2					Slightly moist. No odor/stain.
1	Construction debris, brick, concrete, crushed asphalt. M sand, loose.	3			59/60		No odor/stain. Slightly moist. No odor/stain.
	orange rock frags in orange M sand, dense.	4					Slight moist. No odor/stain. *Sample G1-SB-8A-4-4.5 collected
		5					
	no recovery 5 - 5.8' bgs	5.8					
	Construction debris (concrete frags, M sand). 15"	6					Slightly moist. No odor/stain
	Fly ash (?), flaky white material in orange brown sand/gravel, Loose.	7			51/60		Slightly moist. No odor/stain
2	Light gray M sand, specks of white flaky material w/gravel, loose.	8					Slightly moist. No odor/stain.
	Med to dark gray C sand w. F gravel, loose, some white specks. Fill. 16".	9					Slight moist. No odor/stain. *sample G1-SB-8A-9-9.5 collected
	Fly ash (?) in orange brown sand and gravel. Loose.	10					Slight moist. No odor/stain
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING G-1-SB-8B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	5" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	5" ID x 5ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt plus road bed. 11"						Max PID = 0.0ppm from 0 to 10', every 6" interval
							No odor/stain.
	red brick frags	1					No odor/stain.
	F sand, dark gray slightly moist plus M gravel: ground asphalt?						No odor/stain
	Brick mortar and concrete debris, Fill. 9"	2					No odor/stain.
1	Brown, med dense F sand, const. debris frag				60/60		Slightly moist. No odor/stain.
	Brick concrete aggregate mortar, Construction debris. 11", Fill	3					No odor/stain.
	Brown dense M sand w. gravel, old style concrete or weathered in place rock frags.	4					Moist. No odor/stain.
	Construction debris (mortar brick frags) in reddish brown F sand. Dense. Some concrete frags.	5					Slightly moist. No odor/stain.
	Yellow orange w. olive gray streaks firm silt. Some harder material as gravel	6					Slightly moist. No odor/stain.
	Same as above, but more brown and w/o olive gray streaks. 12"	7			60/60		No odor/stain. Slightly moist.
2	Dk gray F sand w. some silt, gravel, Dense						Wet. No odor/stain.
	Br F sand, mod to loose. Tr. rock frags	8					wet. No odor/stain.
	F sand and silt banded as dark gray mottled w. olive, reddish brown and med. gray gravel, Fly ash?						No odor/stain.
	M sand (cinder flake) and gravel - loose. 10".	9					Wet. No odor/stain
	olive gray firm silty clay, non-plastic	10					wet. No odor/stain
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING GL_SB-9A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic MC	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt & road bed material. 10".						Max PID = 0.0ppm from 0-10', every 6" interval. No odor/stain.
	Dark brownish gray F sand and dark gray wood frags. Loose.	1					Slightly moist. No odor/stain.
	Red brick & mortar (crushed) Construction debris (originally single piece?) Loose.	2			60/60		Slightly moist. No odor/stain.
	Brown mottled over M gray construction debris, w. sand. Some brick, loose.	3					Slightly moist. No odor/stain. *sample GL_SB-9A_3.5-4 collected
	orange/red from silt.						Moist. No odor/stain.
	M sand, brown. Very loose, w. varying dist. of size gravel derived from rock frags, trace slag. Some orange frags (rock). 18".	4					Slightly moist. No odor/stain.
2	no recovery 5-5.3' bgs	5					
	Construction debris, M sand w. some silt. Brick, construction debris, pottery, Loose.	6			5.6/60		Slightly moist. No odor/stain.
	Same as above, w. fly ash (probable)	7					Slight moist. No odor/stain
	Yellowish brown; F sand/silt, prob from gravel, some possible slag. 12".	8					No odor/stain
	Brownish gray M sand matrix, loose, flakes of fly ash w. assorted gravel.	9					Slightly moist. *sample GL_SB-9A_9.5-10 collected.
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GL-SB-9B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

Run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt and gravel, loose, 8"						Max PID=0.0 ppm from 0-10', every 6" interval.
	Dark gray asphalt 4".	1					No odor/stain.
	Red/pink refractory brick (crushed) 7".						No odor/stain.
1	Red brown construction debris (brick, concrete), pebble size concrete w. sand. Mostly dark gray at base, reddish brown at top. 11", Fill.	2			60/60		No odor/stain.
	Milled asphalt.	3					No odor/stain
	C gravel - road ballast (?).						No odor/stain.
	Brown moist gravel (large/coarse) in M sand, a travel.	4					Moist. No odor/stain
	M sand, loose, dk brown, w. gravel concrete.						Moist. No odor/stain
	Same as above.	5					Moist. No odor/stain
2	Gneiss/granite rock frags w. M gravel mottled brown and little gray. M sand. 23". Med loose - Med dense.	6			65/60		No odor/stain. wet.
	Red brown crushed brick. 4"	7					No odor/stain
	Loose M coarse sand size cinders, some large gravel pieces. 11".	8					Slightly moist. No odor/stain
	Gray to dark gray med. dense. F to M sand + sand size cinders w. suspended F gravel.	9					Slight moist. No odor/stain.
	Silty clay - light to med brown non-plastic (expansion)	10					Moist to wet. No odor/stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GLSB-10A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229 002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Ben)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Solid mass of red mortar or refractory material. 16". Fill.	1					Max PID = 0.0ppm from 0-10' every 6" interval. No odor/stain.
	Milled asphalt, mostly m sand, loose. Dark gray. Larger frags w. depth. 80". Fill.	2			46/60		Slightly moist. No odor/stain
1	Silt and f sand, med loose to med dense, brown w. gray blotches. Fill	3 3.8					Slightly moist. No odor/stain.
	no recovery 3.8 to 5' bgs	4 5					
	no recovery 5 to 6' bgs	6					
	Silt and f sand, med loose to med dense, brown w. gray blotches, rock frag, large to med gravel. 12"	7			48/60		Slightly moist. No odor/stain.
2	crushed red brick material						No odor/stain
	Disintegrated gravel w. c sand, dark gray to gray, cinders, silt aggregates, loose, c sand.	8					Moist. No odor/stain
	Firm silt, dark gray w. gravel and rock frags w more sand at base. Cinder & possibly fly ash.	9					Moist to wet. No odor/stain.
	END OF BORING.	10 11 12 13 14					

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LOG OF BORING GI-SB-10B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

PID	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt and road bed.						Max PID = 0.0 ppm from 0-10', every 6" interval.
	Milled asphalt and wood frags						Hint of smoky aroma.
	Construction debris, mortar, concrete pieces; loose silty moist gray, F sand. Trace wood. Fill. 20"	1					No stain / odor. Moist.
		2			1de		
1	Shredded wood material.				60		Salty sea / fish aroma.
	Dark gray wood cut to size, mortar and brick frags.	3					No stain / odor
	Dk gray cinder, F to M sand, loose.						Slightly moist. No odor / stain
	Wood cut to size of core. Solvent aroma.						Solvent aroma
		4					* PID = 18.3 ppm *
	F sand and silt, M gray, rock frags, large gravel. Fill. 14"						Slightly moist. No odor / stain
		5					* Sample GI-SB-10B-4-4.5 collected
	~~Stiff, (expansion) w. brown silt + dk gray coal~~						No odor / stain.
	Mix of sand and silt, concrete aggregate cobbles / gravel, possibly F ground slag, other finer gravel size	6					
2	material. Fill. 36".	7					
		8			60		
	Firm to hard silty clay, med plastic, 15".				60		Moist. No odor / stain
		9					
	Coarse gravel mottled light to dark gray, loose, some F gravel.						Wet. No odor / stain
		10					* Sample GI-SB-10B-9.5-10 collected.
	END OF BORING						
		11					
		12					
		13					
		14					

ATTACHMENT B

PROPOSED CSO

BORING LOGS

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LOG OF BORING CSO SB-1A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES	DIST. / UNDIST. / CORE
CASING	4" ID	WATER LEVEL	FIRST / COMPL. / 24 HR.
CASING HAMMER	WEIGHT / DROP	FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER	WEIGHT / DROP		

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Dark gray silty F-C SAND (SP-SM); little coal fragments; trace concrete fragments; FILL; 24".	1					max PID = 0.5 ppm moist no odor/staining SAMPLE CSO-SB-1A-0-0.5 collected.
	Yellowish orange SILT (ML); trace F-M sand; trace brick fragments; trace cobbles; FILL; 24".	2, 3					max PID = 0.0 ppm dry no odor / staining
1	Olive gray silty F-M SAND (SP-SM); trace gravel; trace treated wood frag; FILL; 12".	4, 5			60/120		max PID = 0.0 ppm moist no odor / staining
	No recovery 5-10' bgs	6, 7, 8, 9					
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-1B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light gray F-C SAND (SP) and pulverized concrete fragments; FILL; 24".	1					max PID = 0.0 ppm dry no odor/staining
	Dark gray gravelly F-C SAND (SP); few coal fragments; trace concrete fragments; trace slag fragments; trace metal; FILL; 18".	2, 3, 3.5					max PID = 0.0 ppm dry no odor/staining
1	Yellowish orange SILT (ML); trace F-M sand; trace brick fragments; FILL; 24".	4, 5, 5.5			72/120		max PID = 0.0 ppm dry no odor/staining
	Yellowish orange SILT (ML); trace F-M sand; few slag fragments; trace coal fragments; FILL; 6".	6					max PID = 0.0 ppm; dry; no odor/staining.
	No recovery 6-10' bgs	7, 8, 9					
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-2A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light gray F-C SAND (SP) and pulverized concrete fragments; FILL; 6".	0.5					max PID = 0.0ppm; dry; no odor/staining
	Dark gray F-C SAND (SP); some coal fragments; little concrete fragments; trace brick fragments; FILL; 18".	1					max PID = 0.0 ppm dry no odor/staining
1	Concrete fragments; 6".	2 / 2.5			60/60		
	Dark gray F-C SAND (SP); some coal ash and coal fragments; little treated wood fragments; trace brick fragments; FILL; 30".	3 / 4					max PID = 0.0 ppm dry no odor/staining
		5					
	No recovery 5-7' bgs	6					
2	Light gray F-C SAND (SP); some concrete fragments; trace brick fragments; FILL; 12".	7			36/60		max PID = 50 ppm dry no odor/staining
	Light brown/greenish gray mottled CLAY (CL); trace slag fragments; trace concrete fragments; FILL; 12".	8					max PID = 200 ppm dry no odor/staining
	Light brown/dark gray mottled F-C SAND (SP); some slag fragments; trace coal fragments; trace brick frag; FILL; 12".	9					max PID = 35 ppm moist no odor/staining
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING CSO SB-2B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Light gray F-C SAND (SP); few concrete fragments; trace brick fragments; FILL; 18".	1 / 1.5					max PID = 0.0ppm dry no odor/staining
	Dark gray F-C SAND (SP); little concrete fragments; trace brick fragments; trace wood fragments; 4" lens of solid brick @ 24"-28"; FILL; 18".	2			36/60		max PID = 500ppm dry no odor/staining
	No recovery 3-5' bgs	3 / 4					
2	Dark gray F-C SAND (SP); some slag fragments; trace ash; FILL; 12".	5					max PID = 1000ppm dry no odor/staining sample CSO-SB-2B-5-5.5' collected.
	Brick fragments; FILL; 12".	6					
	Dark brown gravelly F-M SAND (SP); trace cobbles; FILL; 12".	7			60/60		max PID = 25ppm dry no odor/staining
	Yellowish orange SILT (ML); trace F-M sand; trace gravel; trace cobbles; 24".	8 / 9					max PID = 6ppm dry no odor/staining
	END OF BORING	10 / 11 / 12 / 13 / 14					

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LOG OF BORING CSO SB-3A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Concrete; 6".	0.5					
	Light brown F-C SAND (SP); some brick frag; FILL; 6".	1					max PID = 0.0ppm; dry; no odor/staining
	Light gray F-C SAND (SP); some concrete fragments; trace brick fragments; FILL; 12".	2					max PID = 3.0ppm dry no odor/staining
	No recovery 2-5' bgs	3 4			24/60		
2	No recovery 5-6' bgs	5					
	Creosote-treated wood lens; 6".	6 6.5					
	Dark gray F-C SAND (SP); some coal ash and coal fragments; little slag fragments; trace gravel; FILL; 12".	7 7.5			48/60		max PID = 180 ppm dry no odor/staining
	Light brown/light gray mottled silty F SAND (SM); trace gravel; FILL; 12".	8 8.5					max PID = 50 ppm dry no odor/staining
	F-C SLAG fragments; some F-C sand; little coal ash and coal fragments; FILL; 18".	9					max PID = 1000 ppm dry no odor/staining. sample CSO-SB-3A-8.5-9 collected.
	END OF BORING	10 11 12 13 14					

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LOG OF BORING CSO SB-3B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light gray F-C SAND (SP); little concrete fragments; little brick fragments; FILL; 18"	1 / 1.5					max PID = 0.0ppm dry no odor/staining
	Concrete/brick fragments; FILL; 6"	2					max PID = 0.0ppm
1	Dark gray F-C SAND (SP); some coal ash and coal fragments; trace concrete fragments; FILL; 24"	3			48/60		max PID = 6ppm dry no odor/staining
	No recovery 4-5' bgs	4 / 5					
	No recovery 5-7' bgs	6					
2	Dark gray F-C SAND (SP); some coal ash and coal fragments; little slag fragments; trace treated wood fragments; 2" lens of brick from 108"-110"; FILL; 36".	7 / 8 / 9			36/60		max PID = 15ppm dry no odor/staining
	END OF BORING	10 / 11 / 12 / 13 / 14					

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LOG OF BORING CSO SB-4A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Concrete fragments; little dark gray F-C sand; trace brick fragments; FILL; 12".	1					max PID = 1.5 ppm moist no odor/staining
	Dark gray F-C SAND (SP); trace brick and concrete fragments; FILL; 12".	2					max PID = 70 ppm moist no odor/staining
	Light gray F-C SAND (SP); some brick fragments; little concrete frag; 3" lens of wood fragments @ 45"-48"; FILL; 24".	3			60/60		max PID = 1000 ppm moist no staining organic odor present on wood lens.
	Dark gray F-C SAND (SP); some coal ash and coal fragments; trace slag; FILL; 12".	4					max PID = 950 ppm dry no odor/staining
2	Dark brown silty F-C SAND (SP); trace brick fragments; trace coal fragments; FILL; 48".	5, 6, 7, 8			60/60		max PID = 500 ppm moist no odor/staining
	Greenish gray SILT (ML); trace F sand; 12".	9					max PID = 25 ppm moist no odor/staining
	END OF BORING	10, 11, 12, 13, 14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING CSO SB-4B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft		
SAMPLER HAMMER / WEIGHT / DROP		INSPECTOR	GREGORY WYKA

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F-C SAND (SP); little concrete and brick fragments; trace coal ash and cinders; FILL; 12".	1					max PID = 0.0 ppm dry no odors/staining
	Light brown F-C SAND (SP); little brick fragments; trace concrete fragments; FILL; 18".	2					max PID = 0.0 ppm dry no odors/staining
	Light brown F SAND (SP); trace treated wood, brick and slag fragments; FILL; 12".	2.5 / 3			54/60		max PID = 11 ppm dry no odors/staining
	F-C COAL fragments; trace coal ash and cinders; trace concrete fragments; FILL; 6".	3.5					max PID = 0.5 ppm; dry; no odor/staining
	Light brown/light gray mottled F SAND (SW); FILL; 6".	4 / 4.5					max PID = 35 ppm; dry; no odor/staining
	No recovery 4.5-5' bgs	5					
2	No recovery 5-6' bgs	6					
	Light gray F-C SAND (SP); little brick fragments; FILL; 6".	6.5					max PID = 11 ppm; moist; no odor/staining
	Light brown F-C SAND (SP); some coarse slag fragments; few ash; FILL; 18".	7			48/60		max PID = 1400 ppm dry no odor/staining Sample CSO-SB-4B-5.5-6.0 collected from 6.5-7' bgs. Sample ID is incorrect.
	Light brown/dark gray mottled F-C SAND (SP); little slag fragments; trace coal fragments; trace treated wood fragments; FILL; 24".	8 / 9					max PID = 10 ppm dry no odor/staining
	END OF BORING	10 / 11 / 12 / 13 / 14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING CSO SB-5A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F-C SAND (SP); little concrete and brick fragments; trace coal fragments; trace glass fragments; FILL; 48".	1, 2, 3			48/60		max PID = 450 ppm; moist; no odor/staining
	No recovery 4-5' bgs	4, 5					
2	No recovery 5-6' bgs	6					
	Concrete / brick fragments; 6".						
	6" lens of solid creosote-treated wood	7			48/60		
	Dark gray silty SAND (SP); little coal ash and coal fragments; trace creosote-treated wood fragments; FILL; 6".	7.5					max PID = 20 ppm; moist; no odors/staining.
	Yellowish orange SILT (ML); trace F sand; FILL; 6".	8					max PID = 900 ppm; dry; no odors/staining; sample CSO SB-5A. 7.5-8 collected
	Greenish gray SILT (ML); trace F sand; trace creosote-treated wood fragments; FILL; 24".	9					max PID = 100 ppm; moist; no odor/staining
	END OF BORING	10, 11, 12, 13, 14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING CSO SB-5B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Light gray F-C SAND (SP); little concrete and brick fragments; trace creosote-treated wood fragments; FILL; 36".	1, 2			60/60		max PID = 670 ppm; moist; no odor/staining
	Dark brown F-C SAND (SP); little slag fragments; trace brick and creosote-treated wood fragments; 4" lens of solid creosote-treated wood @ 56"-60"; FILL; 24".	3, 4					max PID = 200 ppm; dry; no odor/staining
2	No recovery 5-5.5' bgs	5, 5.5					
	Light gray F-C SAND (SP); little brick fragments; 2" creosote-treated wood lens @ 72"-74" and 76"-78"; 4" creosote-treated wood lens @ 80"-84"; FILL; 24".	6, 7, 7.5			54/60		max PID = 300 ppm; moist; no odor/staining
	Yellowish orange/dark brown mottled SILT (ML); trace slag fragments; FILL; 6".						max PID = 2 ppm; dry; no odor/staining
	Light gray SILT (ML); trace slag fragments; FILL; 6".	8, 8.5					max PID = 100 ppm; dry; no odor/staining
	Light gray F-C SAND (SP); some slag fragments; little brick fragments; trace creosote-treated wood fragments; trace cobbles and gravel; FILL; 18".	9					max PID = 100 ppm; moist; no odors/staining
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-6A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES: DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL: FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F-C SAND (SP); little concrete and brick fragments; trace coal frag; FILL; 36".	1, 2			48/60		max PID = 1000 ppm dry no odor / staining
	Dark brown F-C SAND (SP); trace coal, brick, concrete, slag and root fragments; FILL; 12".	3, 4					max PID = 1000 ppm moist no odor / staining sample CSO_SB-6A_3.5-4 collected.
	No recovery 4-5' bgs	5					
2	No recovery 5-7' bgs	6					
	Dark gray F-C SAND (SP); little slag fragments; trace brick fragments; trace concrete fragments; FILL; 18".	7, 8			36/60		max PID = 450 ppm moist no odor / staining
	Yellowish orange SILT (ML); trace F sand; FILL; 6".	8.5					max PID = 50 ppm; moist; no odor / staining
	Dark gray F-C SAND (SP); little slag fragments; trace brick fragments; trace cobbles; FILL; 12".	9					max PID = 150 ppm moist no odor / staining
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-6B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Concrete and brick fragments; FILL; 48".	1, 2, 3			48/60		max PID = 16 ppm dry no odors / staining
	No recovery 4-5' bgs	4, 5					
2	Light brown silty F-C SAND (SP); little brick and concrete frag; FILL; 48".	6, 7, 8			60/60		max PID = 1.5 ppm moist no odors / staining
	Light gray silty F-M SAND (SP); trace slag frag; trace porcelain frag; FILL; 12".	9, 10					max PID = 11 ppm moist no odors / staining
	END OF BORING	11, 12, 13, 14					

ATTACHMENT C

BUILDING G1

GROUNDWATER SAMPLING LOGS

MONITORING WELL SAMPLING FORM

Site: Greenpoint Landing	**Well ID:**	GB-12 (OW)	**Job No.**	170229002	
Date: 9/19/2013	**Weather:**	Clear Mid 70's	**Sampling Personnel:**	G. Wyka / S.Harrison	

Well Information

Sample ID	GB-12 (OW)
Well Depth (ft)	Unknown
Screened Interval (ft)	Unknown
Casing Elevation (msl)	-
Casing Diameter (in)	2
Depth to Water (ft)	8.14
Water Elevation (msl)	-
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (l/m; gpm)	~500 mL/min
Start Purge Time	1153
End Purge Time	1305
Volume Purged (gal)	15

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	1310
End Sampling Time	1330
Depth Before Sampling (ft)	8.12
Number Bottles Collected	Multiple

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
11:53 AM	6.42	4.186	447.6	20.22	20.22	-100.00	8.14	
11:58 AM	6.41	4.308	407.8	19.99	19.99	-105.80	8.14	
12:03 PM	6.43	4.392	344.8	19.97	19.97	-108.40	8.13	
12:08 PM	6.40	4.400	38.2	20.08	20.08	-105.40	8.14	
12:13 PM	6.39	4.453	40.1	19.98	19.98	-106.10	8.13	
12:18 PM	6.40	4.617	9.1	20.41	20.41	-106.80	8.11	
12:25 PM	6.41	4.534	21.6	20.82	20.82	-104.70	8.11	
12:30 PM	6.43	4.504	27.5	21.06	21.06	-103.60	8.12	
12:35 PM	6.41	4.456	21	21.11	21.11	-104.80	8.13	
12:40 PM	6.43	4.471	11.5	21.48	21.48	-105.20	8.12	
12:45 PM	6.41	4.347	14	21.29	21.29	-102.40	8.12	
12:50 PM	6.40	4.563	7.3	19.93	19.93	-103.80	8.14	
12:55 PM	6.39	4.603	3.4	19.77	19.77	-105.00	8.12	
1:00 PM	6.39	4.606	2.8	19.81	19.81	-105.80	8.12	
1:05 PM	6.40	4.494	2.1	19.98	19.98	-103.10	8.12	

Notes/Remarks

1. Samples analyzed for NYCDEP Sewer Discharge Parameters and NYSDEC SPDES Dewatering Parameters

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

ATTACHMENT D

LABORATORY ANALYTICAL DATA REPORTS (SOIL)

ANALYTICAL REPORT

Lab Number:	L1318001
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318001-01	G2_SB-02A_1.0-1.5	BROOKLYN, NY	09/12/13 09:00
L1318001-02	G2_COMP-02_0-5	BROOKLYN, NY	09/12/13 09:00
L1318001-03	G2_SB-03A_4.5-5	BROOKLYN, NY	09/12/13 11:00
L1318001-04	G2_COMP-03_0-5	BROOKLYN, NY	09/12/13 11:00
L1318001-05	G2_DUP	BROOKLYN, NY	09/12/13 00:00
L1318001-06	G2_COMP-DUP	BROOKLYN, NY	09/12/13 00:00
L1318001-07	FB01_091213	BROOKLYN, NY	09/12/13 11:45
L1318001-08	TB01_091213	BROOKLYN, NY	09/12/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318001
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG636053-2/-3 LCS/LCSD recoveries, associated with L1318001-07, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

The WG636111-2/-3 LCS/LCSD recoveries, associated with L1318001-02, -04, and -06, are above the acceptance criteria for 1,2,4-trichlorobenzene (LCS at 109%), 2,4-dinitrotoluene (136%/137%), 2-nitroaniline (135%/136%), p-chloro-m-cresol (132%/130%), 2-chlorophenol (112%/104%), 4-nitrophenol (132%/138%), and phenol (112%/104%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

PCBs

L1318001-07 has elevated detection limits due to limited sample volume available for analysis.

Pesticides

L1318001-02, -04, and -06 have elevated detection limits due to the dilutions required by the sample matrices.

Due to a laboratory oversight, the WG636605-1 Method Blank, associated with L1318001-07, was spiked with spike solution and is not reported. The associated sample is non-detect with acceptable surrogate recoveries.

Herbicides

The WG635979-2 LCS recovery, associated with L1318001-02, -04, and -06, is above the acceptance criteria for 2,4-d (155%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Metals

L1318001-02, -04, and -06 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

Chromium, Hexavalent

L1318001-07 was analyzed with the method required holding time exceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-01	Date Collected:	09/12/13 09:00
Client ID:	G2_SB-02A_1.0-1.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 23:25		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.16	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	0.85	J	ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-01 Date Collected: 09/12/13 09:00

Client ID: G2_SB-02A_1.0-1.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.20	1
Acetone	55		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	7.0	J	ug/kg	9.3	0.33	1
Vinyl acetate	ND		ug/kg	9.3	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
2-Hexanone	ND		ug/kg	9.3	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.3	0.22	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.71	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	93	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-01	Date Collected:	09/12/13 09:00
Client ID:	G2_SB-02A_1.0-1.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	0.33	J	ug/kg	4.6	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.42	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-03	Date Collected:	09/12/13 11:00
Client ID:	G2_SB-03A_4.5-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:27		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.17	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Bromodichloromethane	ND		ug/kg	0.98	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.44	1
Bromoform	ND		ug/kg	3.9	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.17	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	0.17	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	4.9	0.76	1
Bromomethane	0.33	J	ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-03 Date Collected: 09/12/13 11:00

Client ID: G2_SB-03A_4.5-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.31	1
o-Xylene	ND		ug/kg	2.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.14	1
Dibromomethane	ND		ug/kg	9.8	0.16	1
Styrene	ND		ug/kg	2.0	0.30	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.21	1
Acetone	9.1	J	ug/kg	9.8	3.0	1
Carbon disulfide	ND		ug/kg	9.8	2.0	1
2-Butanone	1.4	J	ug/kg	9.8	0.35	1
Vinyl acetate	ND		ug/kg	9.8	0.47	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.22	1
2-Hexanone	ND		ug/kg	9.8	0.18	1
Bromochloromethane	ND		ug/kg	4.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.20	1
n-Butylbenzene	ND		ug/kg	0.98	0.19	1
sec-Butylbenzene	ND		ug/kg	0.98	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.77	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.41	1
Isopropylbenzene	ND		ug/kg	0.98	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.19	1
Naphthalene	1.5	J	ug/kg	4.9	0.75	1
Acrylonitrile	ND		ug/kg	9.8	0.23	1
n-Propylbenzene	ND		ug/kg	0.98	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.77	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.56	1
Methyl Acetate	ND		ug/kg	20	0.74	1
Cyclohexane	ND		ug/kg	20	1.0	1
1,4-Dioxane	ND		ug/kg	98	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-03	Date Collected:	09/12/13 11:00
Client ID:	G2_SB-03A_4.5-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	3.9	0.16	1
p-Ethyltoluene	ND		ug/kg	3.9	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.44	1
Methyl cyclohexane	ND		ug/kg	3.9	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-05	Date Collected:	09/12/13 00:00
Client ID:	G2_DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 23:59		
Analyst:	PP		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.46	1
Bromoform	ND		ug/kg	4.1	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Bromomethane	0.97	J	ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05 Date Collected: 09/12/13 00:00

Client ID: G2_DUP Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	16		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	2.2	J	ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.1	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.80	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	21		ug/kg	5.1	0.78	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.80	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.58	1
Methyl Acetate	ND		ug/kg	20	0.78	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05 Date Collected: 09/12/13 00:00

Client ID: G2_DUP Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.46	1
Methyl cyclohexane	ND		ug/kg	4.1	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:11		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07 Date Collected: 09/12/13 11:45

Client ID: FB01_091213 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-08	Date Collected:	09/12/13 00:00
Client ID:	TB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:49		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-08 Date Collected: 09/12/13 00:00

Client ID: TB01_091213 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-08	Date Collected:	09/12/13 00:00
Client ID:	TB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
Methylene chloride	2.4	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.86	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.3	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
Methylene chloride	110		105		70-130	5		30
1,1-Dichloroethane	102		96		70-130	6		30
Chloroform	100		95		70-130	5		30
Carbon tetrachloride	98		90		70-130	9		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	114		108		70-130	5		30
1,1,2-Trichloroethane	112		104		70-130	7		30
Tetrachloroethene	101		92		70-130	9		30
Chlorobenzene	105		100		70-130	5		30
Trichlorofluoromethane	90		80		70-139	12		30
1,2-Dichloroethane	99		95		70-130	4		30
1,1,1-Trichloroethane	100		95		70-130	5		30
Bromodichloromethane	105		100		70-130	5		30
trans-1,3-Dichloropropene	89		83		70-130	7		30
cis-1,3-Dichloropropene	92		87		70-130	6		30
1,1-Dichloropropene	97		89		70-130	9		30
Bromoform	106		100		70-130	6		30
1,1,2,2-Tetrachloroethane	118		111		70-130	6		30
Benzene	103		97		70-130	6		30
Toluene	101		95		70-130	6		30
Ethylbenzene	106		101		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
Chloromethane	107		97		52-130	10		30
Bromomethane	110		103		57-147	7		30
Vinyl chloride	110		99		67-130	11		30
Chloroethane	110		100		50-151	10		30
1,1-Dichloroethene	100		93		65-135	7		30
trans-1,2-Dichloroethene	100		94		70-130	6		30
Trichloroethene	98		92		70-130	6		30
1,2-Dichlorobenzene	109		105		70-130	4		30
1,3-Dichlorobenzene	109		105		70-130	4		30
1,4-Dichlorobenzene	108		105		70-130	3		30
Methyl tert butyl ether	84		80		66-130	5		30
p/m-Xylene	106		99		70-130	7		30
o-Xylene	106		100		70-130	6		30
cis-1,2-Dichloroethene	102		98		70-130	4		30
Dibromomethane	99		95		70-130	4		30
Styrene	111		107		70-130	4		30
Dichlorodifluoromethane	69		62		30-146	11		30
Acetone	**148**	Q	106		54-140	**33**	Q	30
Carbon disulfide	95		86		59-130	10		30
2-Butanone	114		87		70-130	27		30
Vinyl acetate	101		98		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
4-Methyl-2-pentanone	99		93		70-130	6		30
1,2,3-Trichloropropane	112		105		68-130	6		30
2-Hexanone	112		94		70-130	17		30
Bromochloromethane	100		97		70-130	3		30
2,2-Dichloropropane	84		80		70-130	5		30
1,2-Dibromoethane	115		106		70-130	8		30
1,3-Dichloropropane	108		100		69-130	8		30
1,1,1,2-Tetrachloroethane	103		97		70-130	6		30
Bromobenzene	106		103		70-130	3		30
n-Butylbenzene	111		104		70-130	7		30
sec-Butylbenzene	110		104		70-130	6		30
tert-Butylbenzene	106		100		70-130	6		30
o-Chlorotoluene	110		106		70-130	4		30
p-Chlorotoluene	108		105		70-130	3		30
1,2-Dibromo-3-chloropropane	104		96		68-130	8		30
Hexachlorobutadiene	94		88		67-130	7		30
Isopropylbenzene	105		98		70-130	7		30
p-Isopropyltoluene	107		101		70-130	6		30
Naphthalene	101		101		70-130	0		30
Acrylonitrile	112		101		70-130	10		30
Isopropyl Ether	100		96		66-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
tert-Butyl Alcohol	103		98		70-130	5		30
n-Propylbenzene	110		106		70-130	4		30
1,2,3-Trichlorobenzene	105		103		70-130	2		30
1,2,4-Trichlorobenzene	105		102		70-130	3		30
1,3,5-Trimethylbenzene	108		103		70-130	5		30
1,2,4-Trimethylbenzene	108		103		70-130	5		30
Methyl Acetate	113		93		51-146	19		30
Ethyl Acetate	112		105		70-130	6		30
Acrolein	108		97		70-130	11		30
Cyclohexane	96		87		59-142	10		30
1,4-Dioxane	113		106		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		88		50-139	11		30
1,4-Diethylbenzene	108		103		70-130	5		30
4-Ethyltoluene	110		104		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		100		70-130	4		30
Tetrahydrofuran	107		98		66-130	9		30
Ethyl ether	103		97		67-130	6		30
trans-1,4-Dichloro-2-butene	112		99		70-130	12		30
Methyl cyclohexane	97		90		70-130	7		30
Ethyl-Tert-Butyl-Ether	99		97		70-130	2		30
Tertiary-Amyl Methyl Ether	**60**	Q	**60**	Q	70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		95		70-130
Toluene-d8	103		100		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	110		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Methylene chloride	96		100		70-130	4		20
1,1-Dichloroethane	87		93		70-130	7		20
Chloroform	83		89		70-130	7		20
Carbon tetrachloride	73		83		63-132	13		20
1,2-Dichloropropane	92		96		70-130	4		20
Dibromochloromethane	89		96		63-130	8		20
1,1,2-Trichloroethane	102		103		70-130	1		20
Tetrachloroethene	88		93		70-130	6		20
Chlorobenzene	91		96		75-130	5		20
Trichlorofluoromethane	80		88		62-150	10		20
1,2-Dichloroethane	82		87		70-130	6		20
1,1,1-Trichloroethane	75		84		67-130	11		20
Bromodichloromethane	81		89		67-130	9		20
trans-1,3-Dichloropropene	80		87		70-130	8		20
cis-1,3-Dichloropropene	89		95		70-130	7		20
1,1-Dichloropropene	90		98		70-130	9		20
Bromoform	88		100		54-136	13		20
1,1,2,2-Tetrachloroethane	110		114		67-130	4		20
Benzene	92		98		70-130	6		20
Toluene	92		96		70-130	4		20
Ethylbenzene	88		93		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Chloromethane	95		101		64-130	6		20
Bromomethane	83		95		39-139	13		20
Vinyl chloride	97		104		55-140	7		20
Chloroethane	94		100		55-138	6		20
1,1-Dichloroethene	90		97		61-145	7		20
trans-1,2-Dichloroethene	92		99		70-130	7		20
Trichloroethene	84		88		70-130	5		20
1,2-Dichlorobenzene	96		102		70-130	6		20
1,3-Dichlorobenzene	94		98		70-130	4		20
1,4-Dichlorobenzene	91		98		70-130	7		20
Methyl tert butyl ether	105		108		63-130	3		20
p/m-Xylene	91		95		70-130	4		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	98		102		70-130	4		20
Dibromomethane	91		97		70-130	6		20
1,2,3-Trichloropropane	105		106		64-130	1		20
Acrylonitrile	111		110		70-130	1		20
Isopropyl Ether	101		104		70-130	3		20
tert-Butyl Alcohol	123		125		70-130	2		20
Styrene	96		101		70-130	5		20
Dichlorodifluoromethane	114		123		36-147	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Acetone	126		**152**	Q	58-148	19		20
Carbon disulfide	97		106		51-130	9		20
2-Butanone	116		129		63-138	11		20
Vinyl acetate	95		96		70-130	1		20
4-Methyl-2-pentanone	105		107		59-130	2		20
2-Hexanone	113		117		57-130	3		20
Bromochloromethane	97		101		70-130	4		20
2,2-Dichloropropane	79		85		63-133	7		20
1,2-Dibromoethane	98		102		70-130	4		20
1,3-Dichloropropane	99		102		70-130	3		20
1,1,1,2-Tetrachloroethane	89		97		64-130	9		20
Bromobenzene	96		100		70-130	4		20
n-Butylbenzene	94		100		53-136	6		20
sec-Butylbenzene	98		104		70-130	6		20
tert-Butylbenzene	97		104		70-130	7		20
o-Chlorotoluene	92		97		70-130	5		20
p-Chlorotoluene	92		97		70-130	5		20
1,2-Dibromo-3-chloropropane	93		103		41-144	10		20
Hexachlorobutadiene	100		106		63-130	6		20
Isopropylbenzene	92		99		70-130	7		20
p-Isopropyltoluene	91		97		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Naphthalene	109		114		70-130	4		20
n-Propylbenzene	94		101		69-130	7		20
1,2,3-Trichlorobenzene	106		112		70-130	6		20
1,2,4-Trichlorobenzene	98		104		70-130	6		20
1,3,5-Trimethylbenzene	94		100		64-130	6		20
1,2,4-Trimethylbenzene	95		100		70-130	5		20
Methyl Acetate	109		111		70-130	2		20
Ethyl Acetate	110		118		70-130	7		20
Cyclohexane	101		108		70-130	7		20
Ethyl-Tert-Butyl-Ether	101		104		70-130	3		20
Tertiary-Amyl Methyl Ether	100		104		66-130	4		20
1,4-Dioxane	116		126		56-162	8		20
Freon-113	94		100		70-130	6		20
p-Diethylbenzene	94		102		70-130	8		20
p-Ethyltoluene	95		101		70-130	6		20
1,2,4,5-Tetramethylbenzene	98		102		70-130	4		20
Ethyl ether	105		110		59-134	5		20
trans-1,4-Dichloro-2-butene	90		91		70-130	1		20
Iodomethane	78		85		70-130	9		20
Methyl cyclohexane	100		107		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	91		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
Methylene chloride	113		124		70-130	9		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	112		117		70-130	4		30
1,1,2-Trichloroethane	108		113		70-130	5		30
Tetrachloroethene	102		102		70-130	0		30
Chlorobenzene	106		109		70-130	3		30
Trichlorofluoromethane	87		94		70-139	8		30
1,2-Dichloroethane	99		104		70-130	5		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	86		89		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	113		122		70-130	8		30
Benzene	106		106		70-130	0		30
Toluene	102		103		70-130	1		30
Ethylbenzene	109		110		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
Chloromethane	125		126		52-130	1		30
Bromomethane	126		126		57-147	0		30
Vinyl chloride	128		127		67-130	1		30
Chloroethane	107		106		50-151	1		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	107		111		70-130	4		30
1,4-Dichlorobenzene	108		112		70-130	4		30
Methyl tert butyl ether	83		85		66-130	2		30
p/m-Xylene	108		109		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		104		70-130	7		30
Styrene	111		115		70-130	4		30
Dichlorodifluoromethane	84		95		30-146	12		30
Acetone	119		131		54-140	10		30
Carbon disulfide	104		102		59-130	2		30
2-Butanone	101		108		70-130	7		30
Vinyl acetate	101		107		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
4-Methyl-2-pentanone	101		108		70-130	7		30
1,2,3-Trichloropropane	108		116		68-130	7		30
2-Hexanone	106		116		70-130	9		30
Bromochloromethane	100		106		70-130	6		30
2,2-Dichloropropane	87		84		70-130	4		30
1,2-Dibromoethane	111		118		70-130	6		30
1,3-Dichloropropane	103		109		69-130	6		30
1,1,1,2-Tetrachloroethane	103		106		70-130	3		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	110		111		70-130	1		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	107		107		70-130	0		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	109		111		70-130	2		30
1,2-Dibromo-3-chloropropane	99		108		68-130	9		30
Hexachlorobutadiene	92		95		67-130	3		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	103		111		70-130	7		30
Acrylonitrile	104		116		70-130	11		30
Isopropyl Ether	101		104		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	110		112		70-130	2		30
1,2,3-Trichlorobenzene	105		111		70-130	6		30
1,2,4-Trichlorobenzene	103		107		70-130	4		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	106		109		70-130	3		30
Methyl Acetate	105		116		51-146	10		30
Ethyl Acetate	111		120		70-130	8		30
Acrolein	99		109		70-130	10		30
Cyclohexane	87		97		59-142	11		30
1,4-Dioxane	111		123		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		98		50-139	12		30
1,4-Diethylbenzene	108		109		70-130	1		30
4-Ethyltoluene	110		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		30
Tetrahydrofuran	105		116		66-130	10		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	101		105		70-130	4		30
Methyl cyclohexane	87		97		70-130	11		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30
Tertiary-Amyl Methyl Ether	**62**	Q	**63**	Q	70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	104		103		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/14/13 09:38
Analytical Date:	09/17/13 19:41		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	640		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	6500		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	610		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	160	J	ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	2900		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02 Date Collected: 09/12/13 09:00

Client ID: G2_COMP-02_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3000		ug/kg	140	44.	1
Benzo(b)fluoranthene	3600		ug/kg	110	37.	1
Benzo(k)fluoranthene	1400		ug/kg	110	35.	1
Chrysene	3200		ug/kg	110	36.	1
Acenaphthylene	180		ug/kg	140	34.	1
Anthracene	1300		ug/kg	110	30.	1
Benzo(ghi)perylene	2000		ug/kg	140	38.	1
Fluorene	610		ug/kg	180	52.	1
Phenanthrene	5800		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	460		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	140	40.	1
Pyrene	6000		ug/kg	110	35.	1
Biphenyl	94	J	ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	530		ug/kg	180	61.	1
2-Methylnaphthalene	310		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	250	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	700		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	111		0-136
4-Terphenyl-d14	79		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/14/13 09:38
Analytical Date:	09/18/13 13:02			
Analyst:	JB			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3400		ug/kg	580	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	200	4
2-Chloronaphthalene	ND		ug/kg	730	240	4
1,2-Dichlorobenzene	ND		ug/kg	730	240	4
1,3-Dichlorobenzene	ND		ug/kg	730	230	4
1,4-Dichlorobenzene	ND		ug/kg	730	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	190	4
2,4-Dinitrotoluene	ND		ug/kg	730	160	4
2,6-Dinitrotoluene	ND		ug/kg	730	190	4
Fluoranthene	23000		ug/kg	440	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	730	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	870	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	670	J	ug/kg	730	240	4
Nitrobenzene	ND		ug/kg	660	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	730	220	4
Bis(2-Ethylhexyl)phthalate	360	J	ug/kg	730	190	4
Butyl benzyl phthalate	ND		ug/kg	730	140	4
Di-n-butylphthalate	ND		ug/kg	730	140	4
Di-n-octylphthalate	ND		ug/kg	730	180	4
Diethyl phthalate	ND		ug/kg	730	150	4
Dimethyl phthalate	ND		ug/kg	730	180	4
Benzo(a)anthracene	9100		ug/kg	440	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04 D Date Collected: 09/12/13 11:00

Client ID: G2_COMP-03_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8000		ug/kg	580	180	4
Benzo(b)fluoranthene	9500		ug/kg	440	150	4
Benzo(k)fluoranthene	3600		ug/kg	440	140	4
Chrysene	9500		ug/kg	440	140	4
Acenaphthylene	430	J	ug/kg	580	140	4
Anthracene	5100		ug/kg	440	120	4
Benzo(ghi)perylene	4400		ug/kg	580	150	4
Fluorene	3600		ug/kg	730	210	4
Phenanthrene	24000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1100		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	5100		ug/kg	580	160	4
Pyrene	19000		ug/kg	440	140	4
Biphenyl	ND		ug/kg	1600	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	200	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	2300		ug/kg	730	240	4
2-Methylnaphthalene	450	J	ug/kg	870	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	220	4
Acetophenone	ND		ug/kg	730	220	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	730	210	4
2-Chlorophenol	ND		ug/kg	730	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	730	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3500	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	580	160	4
Phenol	ND		ug/kg	730	220	4
2-Methylphenol	ND		ug/kg	730	230	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	730	240	4
Benzoic Acid	ND		ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	220	4
Carbazole	2100		ug/kg	730	160	4
Benzaldehyde	ND		ug/kg	960	290	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04 D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	730	200	4
Atrazine	ND		ug/kg	580	160	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	730	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	113		0-136
4-Terphenyl-d14	77		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/14/13 09:38
Analytical Date:	09/17/13 20:30			
Analyst:	JB			
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	730		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	8600		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	65.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	420		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	420		ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	3400		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06 D Date Collected: 09/12/13 00:00
Client ID: G2_COMP-DUP Date Received: 09/12/13
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	290	88.	2
Benzo(b)fluoranthene	4200		ug/kg	220	73.	2
Benzo(k)fluoranthene	1500		ug/kg	220	69.	2
Chrysene	3800		ug/kg	220	71.	2
Acenaphthylene	220	J	ug/kg	290	67.	2
Anthracene	1500		ug/kg	220	60.	2
Benzo(ghi)perylene	2100		ug/kg	290	75.	2
Fluorene	720		ug/kg	360	100	2
Phenanthrene	7000		ug/kg	220	70.	2
Dibenzo(a,h)anthracene	460		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	2300		ug/kg	290	80.	2
Pyrene	7600		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	540		ug/kg	360	120	2
2-Methylnaphthalene	240	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	690		ug/kg	360	77.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	78		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	09/13/13 21:35
Analytical Date:	09/18/13 00:38		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Benzaldehyde	ND		ug/l	5.0	0.60	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	92		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	09/13/13 21:33
Analytical Date:	09/16/13 22:48		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	107		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 18:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG636053-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 18:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG636053-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53
Benzaldehyde	ND		ug/l	5.0	0.60
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	1.0
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	90		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/13 20:15
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG636055-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.25	J	ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	0.10	J	ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.26	J	ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/13 20:15
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG636055-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	100		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	105		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	108		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
1,2,4-Trichlorobenzene	84		88		39-98	5		30
Bis(2-chloroethyl)ether	92		95		40-140	3		30
1,2-Dichlorobenzene	85		88		40-140	3		30
1,3-Dichlorobenzene	83		85		40-140	2		30
1,4-Dichlorobenzene	84		87		36-97	4		30
3,3'-Dichlorobenzidine	73		80		40-140	9		30
2,4-Dinitrotoluene	**115**	Q	**117**	Q	24-96	2		30
2,6-Dinitrotoluene	117		115		40-140	2		30
4-Chlorophenyl phenyl ether	103		106		40-140	3		30
4-Bromophenyl phenyl ether	112		111		40-140	1		30
Bis(2-chloroisopropyl)ether	94		95		40-140	1		30
Bis(2-chloroethoxy)methane	99		100		40-140	1		30
Hexachlorocyclopentadiene	61		63		40-140	3		30
Isophorone	108		108		40-140	0		30
Nitrobenzene	101		105		40-140	4		30
NitrosoDiPhenylAmine(NDPA)/DPA	112		114		40-140	2		30
n-Nitrosodi-n-propylamine	111		114		29-132	3		30
Bis(2-Ethylhexyl)phthalate	111		112		40-140	1		30
Butyl benzyl phthalate	133		131		40-140	2		30
Di-n-butylphthalate	128		129		40-140	1		30
Di-n-octylphthalate	119		121		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
Diethyl phthalate	119		119		40-140	0		30
Dimethyl phthalate	111		112		40-140	1		30
Biphenyl	92		96			4		30
4-Chloroaniline	72		67		40-140	7		30
2-Nitroaniline	116		117		52-143	1		30
3-Nitroaniline	77		78		25-145	1		30
4-Nitroaniline	111		109		51-143	2		30
Dibenzofuran	103		106		40-140	3		30
1,2,4,5-Tetrachlorobenzene	94		97		2-134	3		30
Acetophenone	104		107		39-129	3		30
2,4,6-Trichlorophenol	116		113		30-130	3		30
P-Chloro-M-Cresol	**117**	Q	**120**	Q	23-97	3		30
2-Chlorophenol	99		102		27-123	3		30
2,4-Dichlorophenol	106		108		30-130	2		30
2,4-Dimethylphenol	101		103		30-130	2		30
2-Nitrophenol	108		112		30-130	4		30
4-Nitrophenol	70		69		10-80	1		30
2,4-Dinitrophenol	117		126		20-130	7		30
4,6-Dinitro-o-cresol	130		130		20-164	0		30
Phenol	48		51		12-110	6		30
2-Methylphenol	95		98		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
3-Methylphenol/4-Methylphenol	89		90		30-130	1		30
2,4,5-Trichlorophenol	110		110		30-130	0		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	96		100			4		30
Carbazole	114		114		55-144	0		30
Benzaldehyde	80		80			0		30
Caprolactam	40		40			0		30
Atrazine	127		132			4		30
2,3,4,6-Tetrachlorophenol	109		113			4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		68		21-120
Phenol-d6	46		47		10-120
Nitrobenzene-d5	106		107		23-120
2-Fluorobiphenyl	92		94		15-120
2,4,6-Tribromophenol	117		120		10-120
4-Terphenyl-d14	108		108		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG636055-2 WG636055-3								
Acenaphthene	99		98		37-111	1		40
2-Chloronaphthalene	92		88		40-140	4		40
Fluoranthene	132		126		40-140	5		40
Hexachlorobutadiene	76		70		40-140	8		40
Naphthalene	86		83		40-140	4		40
Benzo(a)anthracene	129		118		40-140	9		40
Benzo(a)pyrene	129		118		40-140	9		40
Benzo(b)fluoranthene	128		116		40-140	10		40
Benzo(k)fluoranthene	129		122		40-140	6		40
Chrysene	114		110		40-140	4		40
Acenaphthylene	106		101		40-140	5		40
Anthracene	136		124		40-140	9		40
Benzo(ghi)perylene	117		101		40-140	15		40
Fluorene	103		103		40-140	0		40
Phenanthrene	117		119		40-140	2		40
Dibenzo(a,h)anthracene	123		107		40-140	14		40
Indeno(1,2,3-cd)Pyrene	120		105		40-140	13		40
Pyrene	127		121		26-127	5		40
2-Methylnaphthalene	91		87		40-140	4		40
Pentachlorophenol	87		93		9-103	7		40
Hexachlorobenzene	97		99		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG636055-2 WG636055-3								
Hexachloroethane	83		78		40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		63		21-120
Phenol-d6	42		42		10-120
Nitrobenzene-d5	101		99		23-120
2-Fluorobiphenyl	96		91		15-120
2,4,6-Tribromophenol	**130**	Q	**124**	Q	10-120
4-Terphenyl-d14	132		127		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Acenaphthene	111		112		31-137	1		50
1,2,4-Trichlorobenzene	**109**	Q	103		38-107	6		50
Hexachlorobenzene	123		127		40-140	3		50
Bis(2-chloroethyl)ether	104		98		40-140	6		50
2-Chloronaphthalene	119		114		40-140	4		50
1,2-Dichlorobenzene	104		98		40-140	6		50
1,3-Dichlorobenzene	102		98		40-140	4		50
1,4-Dichlorobenzene	102		98		28-104	4		50
3,3'-Dichlorobenzidine	96		86		40-140	11		50
2,4-Dinitrotoluene	**136**	Q	**137**	Q	28-89	1		50
2,6-Dinitrotoluene	133		130		40-140	2		50
Fluoranthene	122		124		40-140	2		50
4-Chlorophenyl phenyl ether	119		121		40-140	2		50
4-Bromophenyl phenyl ether	126		128		40-140	2		50
Bis(2-chloroisopropyl)ether	101		95		40-140	6		50
Bis(2-chloroethoxy)methane	107		101		40-117	6		50
Hexachlorobutadiene	111		104		40-140	7		50
Hexachlorocyclopentadiene	84		82		40-140	2		50
Hexachloroethane	100		96		40-140	4		50
Isophorone	111		104		40-140	7		50
Naphthalene	108		102		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Nitrobenzene	108		102		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	123		126			2		50
n-Nitrosodi-n-propylamine	110		101		32-121	9		50
Bis(2-Ethylhexyl)phthalate	127		128		40-140	1		50
Butyl benzyl phthalate	126		128		40-140	2		50
Di-n-butylphthalate	123		124		40-140	1		50
Di-n-octylphthalate	130		133		40-140	2		50
Diethyl phthalate	120		121		40-140	1		50
Dimethyl phthalate	119		121		40-140	2		50
Benzo(a)anthracene	117		121		40-140	3		50
Benzo(a)pyrene	123		122		40-140	1		50
Benzo(b)fluoranthene	120		121		40-140	1		50
Benzo(k)fluoranthene	121		122		40-140	1		50
Chrysene	117		121		40-140	3		50
Acenaphthylene	121		118		40-140	3		50
Anthracene	122		125		40-140	2		50
Benzo(ghi)perylene	112		110		40-140	2		50
Fluorene	118		120		40-140	2		50
Phenanthrene	117		118		40-140	1		50
Dibenzo(a,h)anthracene	115		114		40-140	1		50
Indeno(1,2,3-cd)Pyrene	113		112		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Pyrene	122		124		35-142	2		50
Biphenyl	113		112			1		50
4-Chloroaniline	64		56		40-140	13		50
2-Nitroaniline	**135**	Q	**136**	Q	47-134	1		50
3-Nitroaniline	89		80		26-129	11		50
4-Nitroaniline	121		123		41-125	2		50
Dibenzofuran	115		116		40-140	1		50
2-Methylnaphthalene	114		108		40-140	5		50
1,2,4,5-Tetrachlorobenzene	114		112		40-117	2		50
Acetophenone	118		111		14-144	6		50
2,4,6-Trichlorophenol	130		128		30-130	2		50
P-Chloro-M-Cresol	**132**	Q	**130**	Q	26-103	2		50
2-Chlorophenol	**112**	Q	**104**	Q	25-102	7		50
2,4-Dichlorophenol	123		118		30-130	4		50
2,4-Dimethylphenol	126		120		30-130	5		50
2-Nitrophenol	118		111		30-130	6		50
4-Nitrophenol	**132**	Q	**138**	Q	11-114	4		50
2,4-Dinitrophenol	102		107		4-130	5		50
4,6-Dinitro-o-cresol	119		119		10-130	0		50
Pentachlorophenol	107		108		17-109	1		50
Phenol	**112**	Q	**104**	Q	26-90	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
2-Methylphenol	115		109		30-130.	5		50
3-Methylphenol/4-Methylphenol	118		112		30-130	5		50
2,4,5-Trichlorophenol	125		126		30-130	1		50
Benzoic Acid	57		55			4		50
Benzyl Alcohol	112		104		40-140	7		50
Carbazole	120		123		54-128	2		50
Benzaldehyde	82		75			9		50
Caprolactam	126		124			2		50
Atrazine	124		128			3		50
2,3,4,6-Tetrachlorophenol	115		113			2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	111		106		25-120
Phenol-d6	113		107		10-120
Nitrobenzene-d5	103		99		23-120
2-Fluorobiphenyl	116		113		30-120
2,4,6-Tribromophenol	129		135		0-136
4-Terphenyl-d14	107		111		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/14/13 10:39
Analytical Date:	09/16/13 16:36		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	154000		ug/kg	36600	3590	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	48		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 20:24		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	76		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:04		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/14/13 10:39
Analytical Date:	09/18/13 17:17			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1660000		ug/kg	181000	17800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:45		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	85		70-130
4-Bromofluorobenzene	85		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/14/13 10:39
Analytical Date:	09/19/13 06:42			
Analyst:	AR			
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	719000		ug/kg	69600	6820	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	115		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/16/13 10:46
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/14/13 10:39

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,06 Batch: WG636124-1					
TPH	ND		ug/kg	33100	3240

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 15:41
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02,04,06 Batch: WG636620-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	75		70-130
4-Bromofluorobenzene	78		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636124-2								
TPH	87		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	89				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636620-1 WG636620-2								
Gasoline Range Organics	102		102		80-120	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	95		95		70-130
4-Bromofluorobenzene	103		105		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636620-5 QC Sample: L1318031-01 Client ID: MS Sample												
Gasoline Range Organics	ND	24200	22000	90		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84				70-130
4-Bromofluorobenzene	91				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636124-3 QC Sample: L1318096-06 Client ID: DUP Sample						
TPH	18000J	15600J	ug/kg	NC		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		95		40-140

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 12:57	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	7.22	1	A
Aroclor 1221	ND		ug/kg	36.6	11.0	1	A
Aroclor 1232	ND		ug/kg	36.6	7.77	1	A
Aroclor 1242	ND		ug/kg	36.6	6.94	1	A
Aroclor 1248	ND		ug/kg	36.6	4.43	1	A
Aroclor 1254	ND		ug/kg	36.6	5.77	1	A
Aroclor 1260	ND		ug/kg	36.6	6.35	1	A
Aroclor 1262	ND		ug/kg	36.6	2.70	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 13:10	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	7.18	1	A
Aroclor 1221	ND		ug/kg	36.3	11.0	1	A
Aroclor 1232	ND		ug/kg	36.3	7.72	1	A
Aroclor 1242	ND		ug/kg	36.3	6.89	1	A
Aroclor 1248	ND		ug/kg	36.3	4.40	1	A
Aroclor 1254	23.1	J	ug/kg	36.3	5.73	1	B
Aroclor 1260	17.2	J	ug/kg	36.3	6.30	1	B
Aroclor 1262	ND		ug/kg	36.3	2.69	1	A
Aroclor 1268	ND		ug/kg	36.3	5.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 13:24	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	6.99	1	A
Aroclor 1221	ND		ug/kg	35.4	10.7	1	A
Aroclor 1232	ND		ug/kg	35.4	7.52	1	A
Aroclor 1242	ND		ug/kg	35.4	6.72	1	A
Aroclor 1248	ND		ug/kg	35.4	4.28	1	A
Aroclor 1254	19.3	J	ug/kg	35.4	5.58	1	B
Aroclor 1260	9.36	J	ug/kg	35.4	6.14	1	B
Aroclor 1262	ND		ug/kg	35.4	2.62	1	A
Aroclor 1268	ND		ug/kg	35.4	5.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	09/14/13 14:18
Analytical Date:	09/16/13 01:38	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/14/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	**154**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	**161**	Q	30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318001

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/17/13 11:35
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/14/13 13:38
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/15/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG636143-1						
Aroclor 1016	ND		ug/kg	32.2	6.35	A
Aroclor 1221	ND		ug/kg	32.2	9.70	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	6.11	A
Aroclor 1248	ND		ug/kg	32.2	3.89	A
Aroclor 1254	ND		ug/kg	32.2	5.07	A
Aroclor 1260	ND		ug/kg	32.2	5.58	A
Aroclor 1262	ND		ug/kg	32.2	2.38	A
Aroclor 1268	ND		ug/kg	32.2	4.67	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318001

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/16/13 01:51
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 09/14/13 14:18
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG636154-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	149		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	**154**	Q	30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636143-2 WG636143-3									
Aroclor 1016	71		71		40-140	0		50	A
Aroclor 1260	57		61		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		99		30-150	A
Decachlorobiphenyl	81		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		92		30-150	B
Decachlorobiphenyl	97		105		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG636154-2 WG636154-3									
Aroclor 1016	98		93		40-140	6		50	A
Aroclor 1260	135		128		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		87		30-150	A
Decachlorobiphenyl	148		150		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		83		30-150	B
Decachlorobiphenyl	**153**	Q	**153**	Q	30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 17:54	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.3	1	A
2,4,5-T	ND		ug/kg	184	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	95		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	D	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:31		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.48	1.66	5	A
Lindane	ND		ug/kg	3.53	1.58	5	A
Alpha-BHC	ND		ug/kg	3.53	1.00	5	A
Beta-BHC	ND		ug/kg	8.48	3.21	5	A
Heptachlor	ND		ug/kg	4.24	1.90	5	A
Aldrin	ND		ug/kg	8.48	2.98	5	A
Heptachlor epoxide	ND		ug/kg	15.9	4.77	5	A
Endrin	ND		ug/kg	3.53	1.45	5	A
Endrin ketone	ND		ug/kg	8.48	2.18	5	A
Dieldrin	ND		ug/kg	5.30	2.65	5	A
4,4'-DDE	ND		ug/kg	8.48	1.96	5	A
4,4'-DDD	ND		ug/kg	8.48	3.02	5	A
4,4'-DDT	ND		ug/kg	15.9	6.82	5	A
Endosulfan I	ND		ug/kg	8.48	2.00	5	A
Endosulfan II	ND		ug/kg	8.48	2.83	5	A
Endosulfan sulfate	ND		ug/kg	3.53	1.61	5	A
Methoxychlor	ND		ug/kg	15.9	4.94	5	A
Toxaphene	ND		ug/kg	159	44.5	5	A
cis-Chlordane	ND		ug/kg	10.6	2.95	5	A
trans-Chlordane	ND		ug/kg	10.6	2.80	5	A
Chlordane	ND		ug/kg	68.9	28.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 18:14	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.2	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:44		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.64	1.69	5	A
Lindane	ND		ug/kg	3.60	1.61	5	A
Alpha-BHC	ND		ug/kg	3.60	1.02	5	A
Beta-BHC	ND		ug/kg	8.64	3.28	5	A
Heptachlor	ND		ug/kg	4.32	1.94	5	A
Aldrin	ND		ug/kg	8.64	3.04	5	A
Heptachlor epoxide	ND		ug/kg	16.2	4.86	5	A
Endrin	ND		ug/kg	3.60	1.48	5	A
Endrin ketone	ND		ug/kg	8.64	2.22	5	A
Dieldrin	ND		ug/kg	5.40	2.70	5	A
4,4'-DDE	ND		ug/kg	8.64	2.00	5	A
4,4'-DDD	ND		ug/kg	8.64	3.08	5	A
4,4'-DDT	ND		ug/kg	16.2	6.95	5	A
Endosulfan I	ND		ug/kg	8.64	2.04	5	A
Endosulfan II	ND		ug/kg	8.64	2.89	5	A
Endosulfan sulfate	ND		ug/kg	3.60	1.64	5	A
Methoxychlor	ND		ug/kg	16.2	5.04	5	A
Toxaphene	ND		ug/kg	162	45.4	5	A
cis-Chlordane	ND		ug/kg	10.8	3.01	5	A
trans-Chlordane	ND		ug/kg	10.8	2.85	5	A
Chlordane	ND		ug/kg	70.2	28.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 18:34	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	22.0	1	A
2,4,5-T	ND		ug/kg	181	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:56		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.53	1.67	5	A
Lindane	ND		ug/kg	3.55	1.59	5	A
Alpha-BHC	ND		ug/kg	3.55	1.01	5	A
Beta-BHC	ND		ug/kg	8.53	3.23	5	A
Heptachlor	ND		ug/kg	4.26	1.91	5	A
Aldrin	ND		ug/kg	8.53	3.00	5	A
Heptachlor epoxide	ND		ug/kg	16.0	4.80	5	A
Endrin	ND		ug/kg	3.55	1.46	5	A
Endrin ketone	ND		ug/kg	8.53	2.20	5	A
Dieldrin	ND		ug/kg	5.33	2.66	5	A
4,4'-DDE	ND		ug/kg	8.53	1.97	5	A
4,4'-DDD	ND		ug/kg	8.53	3.04	5	A
4,4'-DDT	ND		ug/kg	16.0	6.86	5	A
Endosulfan I	ND		ug/kg	8.53	2.01	5	A
Endosulfan II	ND		ug/kg	8.53	2.85	5	A
Endosulfan sulfate	ND		ug/kg	3.55	1.62	5	A
Methoxychlor	ND		ug/kg	16.0	4.98	5	A
Toxaphene	ND		ug/kg	160	44.8	5	A
cis-Chlordane	ND		ug/kg	10.7	2.97	5	A
trans-Chlordane	ND		ug/kg	10.7	2.81	5	A
Chlordane	ND		ug/kg	69.3	28.2	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/17/13 02:15
Analytical Date:	09/18/13 10:52	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	141		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 11:58
Analytical Date:	09/16/13 21:53	Methylation Date:	09/16/13 00:31
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	65		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 20:53
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 11:58

Methylation Date: 09/16/13 00:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 07 Batch: WG635884-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	70		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 15:35
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 15:51

Methylation Date: 09/16/13 00:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG635979-1						
2,4-D	ND		ug/kg	166	20.2	A
2,4,5-T	ND		ug/kg	166	10.4	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/13 02:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/13/13 17:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG636012-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.957	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.292	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.91	0.534	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07 Batch: WG635884-2 WG635884-3									
2,4-D	107		113		30-150	5		25	A
2,4,5-T	105		110		30-150	5		25	A
2,4,5-TP (Silvex)	111		117		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		106		30-150	A
DCAA	63		77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635979-2 WG635979-3									
2,4-D	**155**	Q	130		30-150	18		30	A
2,4,5-T	116		106		30-150	9		30	A
2,4,5-TP (Silvex)	118		109		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		107		30-150	A
DCAA	122		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636012-2 WG636012-3									
Delta-BHC	77		70		30-150	10		30	A
Lindane	79		71		30-150	11		30	A
Alpha-BHC	76		68		30-150	11		30	A
Beta-BHC	82		75		30-150	9		30	A
Heptachlor	81		73		30-150	10		30	A
Aldrin	81		74		30-150	9		30	A
Heptachlor epoxide	72		66		30-150	9		30	A
Endrin	87		80		30-150	8		30	A
Endrin ketone	67		61		30-150	9		30	A
Dieldrin	78		71		30-150	9		30	A
4,4'-DDE	75		68		30-150	10		30	A
4,4'-DDD	78		71		30-150	9		30	A
4,4'-DDT	81		74		30-150	9		30	A
Endosulfan I	77		71		30-150	8		30	A
Endosulfan II	67		62		30-150	8		30	A
Endosulfan sulfate	64		59		30-150	8		30	A
Methoxychlor	76		70		30-150	8		30	A
cis-Chlordane	75		72		30-150	4		30	A
trans-Chlordane	76		70		30-150	8		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636012-2 WG636012-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		71		30-150	A
Decachlorobiphenyl	107		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		63		30-150	B
Decachlorobiphenyl	119		106		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG636605-2 WG636605-3									
Delta-BHC	107		78		30-150	**31**	Q	20	A
Lindane	103		78		30-150	**27**	Q	20	A
Alpha-BHC	98		72		30-150	**30**	Q	20	A
Beta-BHC	103		81		30-150	**24**	Q	20	A
Heptachlor	78		63		30-150	**21**	Q	20	A
Aldrin	69		57		30-150	18		20	A
Heptachlor epoxide	95		71		30-150	**29**	Q	20	A
Endrin	117		86		30-150	**31**	Q	20	A
Endrin ketone	107		74		30-150	**36**	Q	20	A
Dieldrin	103		76		30-150	**30**	Q	20	A
4,4'-DDE	92		69		30-150	**28**	Q	20	A
4,4'-DDD	106		78		30-150	**31**	Q	20	A
4,4'-DDT	108		80		30-150	**30**	Q	20	A
Endosulfan I	99		74		30-150	**29**	Q	20	A
Endosulfan II	95		67		30-150	**34**	Q	20	A
Endosulfan sulfate	101		70		30-150	**37**	Q	20	A
Methoxychlor	111		79		30-150	**33**	Q	20	A
cis-Chlordane	94		71		30-150	**27**	Q	20	A
trans-Chlordane	88		70		30-150	**24**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG636605-2 WG636605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		48		30-150	A
Decachlorobiphenyl	123		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		39		30-150	B
Decachlorobiphenyl	143		137		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/14/13 12:30
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Barium, TCLP	0.34	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Lead, TCLP	0.15	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:25	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02
Client ID: G2_COMP-02_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	8.7	1.7	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Antimony, Total	0.99	J	mg/kg	4.4	0.70	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Arsenic, Total	9.2		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Barium, Total	78		mg/kg	0.87	0.26	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Beryllium, Total	0.32	J	mg/kg	0.44	0.09	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Cadmium, Total	0.75	J	mg/kg	0.87	0.06	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Calcium, Total	43000		mg/kg	8.7	2.6	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Cobalt, Total	5.2		mg/kg	1.7	0.44	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Copper, Total	54		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.4	1.7	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	4.4	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Magnesium, Total	23000		mg/kg	8.7	0.87	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Mercury, Total	0.23		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:46	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Potassium, Total	620		mg/kg	220	35.	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Sodium, Total	410		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	0.87	0.09	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Zinc, Total	150		mg/kg	4.4	0.61	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/14/13 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Barium, TCLP	0.31	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Lead, TCLP	0.08	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:35	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	8.7	1.7	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Antimony, Total	2.1	J	mg/kg	4.3	0.70	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Barium, Total	140		mg/kg	0.87	0.26	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Beryllium, Total	0.99		mg/kg	0.43	0.09	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Cadmium, Total	0.99		mg/kg	0.87	0.06	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Calcium, Total	63000		mg/kg	8.7	2.6	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Chromium, Total	20		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Cobalt, Total	16		mg/kg	1.7	0.43	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Copper, Total	230		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.3	1.7	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Lead, Total	340		mg/kg	4.3	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Magnesium, Total	29000		mg/kg	8.7	0.87	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Manganese, Total	360		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Mercury, Total	5.8		mg/kg	0.27	0.06	3	09/18/13 08:30	09/18/13 13:06	EPA 7471B	1,7471B	MC
Nickel, Total	30		mg/kg	2.2	0.35	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Potassium, Total	730		mg/kg	220	35.	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.87	0.09	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Zinc, Total	1200		mg/kg	4.3	0.61	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/14/13 12:30
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Barium, TCLP	0.33	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Lead, TCLP	0.17	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:37	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06
Client ID: G2_COMP-DUP
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7000		mg/kg	8.5	1.7	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Antimony, Total	2.5	J	mg/kg	4.3	0.68	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Arsenic, Total	9.8		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Barium, Total	190		mg/kg	0.85	0.26	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Beryllium, Total	1.2		mg/kg	0.43	0.09	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Cadmium, Total	1.0		mg/kg	0.85	0.06	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Calcium, Total	50000		mg/kg	8.5	2.6	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Chromium, Total	28		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Cobalt, Total	18		mg/kg	1.7	0.43	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Copper, Total	370		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Iron, Total	23000		mg/kg	4.3	1.7	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Lead, Total	420		mg/kg	4.3	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Magnesium, Total	20000		mg/kg	8.5	0.85	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Manganese, Total	370		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Mercury, Total	0.21		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:50	EPA 7471B	1,7471B	MC
Nickel, Total	33		mg/kg	2.1	0.34	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Potassium, Total	850		mg/kg	210	34.	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Silver, Total	0.24	J	mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Sodium, Total	380		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.85	0.09	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	4.3	0.60	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07
Client ID: FB01_091213
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/12/13 11:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00291	J	mg/l	0.0100	0.00200	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Barium, Total	0.00024	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Calcium, Total	0.102		mg/l	0.100	0.0320	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Chromium, Total	0.00090	J	mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Copper, Total	0.00018	J	mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Manganese, Total	0.00034	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/18/13 09:42	09/18/13 15:48	EPA 7470A	1,7470A	JH
Nickel, Total	0.00039	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Sodium, Total	0.146		mg/l	0.100	0.0150	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06 Batch: WG635896-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07 Batch: WG635955-1										
Aluminum, Total	0.00914	J	mg/l	0.0100	0.00200	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Chromium, Total	0.00062	J	mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Copper, Total	0.00014	J	mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Manganese, Total	0.00015	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Nickel, Total	0.00024	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Sodium, Total	0.0206	J	mg/l	0.100	0.0150	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Thallium, Total	0.00003	J	mg/l	0.00050	0.00003	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06 Batch: WG636484-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Lead, TCLP	0.03	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/14/13 12:30

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06 Batch: WG636745-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:17	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06 Batch: WG636902-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:21	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/14/13 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07 Batch: WG637016-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/18/13 09:42	09/18/13 15:33	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635896-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	89		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	101		-		51-150	-		
Lead, Total	94		-		80-120	-		
Magnesium, Total	92		-		74-126	-		
Manganese, Total	95		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	104		-		66-134	-		
Sodium, Total	92		-		74-127	-		
Thallium, Total	101		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635896-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG635955-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	93	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	98	-	80-120	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	101	-	80-120	-	
Selenium, Total	104	-	80-120	-	
Silver, Total	92	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	93	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG635955-2					
Zinc, Total	106	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636484-2					
Arsenic, TCLP	92	-	75-125	-	20
Barium, TCLP	95	-	75-125	-	20
Cadmium, TCLP	96	-	75-125	-	20
Chromium, TCLP	85	-	75-125	-	20
Lead, TCLP	96	-	75-125	-	20
Selenium, TCLP	92	-	75-125	-	20
Silver, TCLP	94	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636745-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636902-2					
Mercury, TCLP	84	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG637016-2					
Mercury, Total	97	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-4 QC Sample: L1317987-01 Client ID: MS Sample												
Aluminum, Total	1400	193	1400	**0**	Q	-	-		75-125	-		35
Antimony, Total	ND	48.2	45	93		-	-		75-125	-		35
Arsenic, Total	5.1	11.6	12	**60**	Q	-	-		75-125	-		35
Barium, Total	1.7	193	190	98		-	-		75-125	-		35
Beryllium, Total	0.38J	4.82	4.9	102		-	-		75-125	-		35
Cadmium, Total	0.25J	4.92	4.8	98		-	-		75-125	-		35
Calcium, Total	120	964	970	88		-	-		75-125	-		35
Chromium, Total	11.	19.3	21	**52**	Q	-	-		75-125	-		35
Cobalt, Total	1.7J	48.2	47	97		-	-		75-125	-		35
Copper, Total	11.	24.1	31	83		-	-		75-125	-		35
Iron, Total	9900	96.4	5600	**0**	Q	-	-		75-125	-		35
Lead, Total	4.1J	49.2	51	104		-	-		75-125	-		35
Magnesium, Total	140	964	1000	89		-	-		75-125	-		35
Manganese, Total	12.	48.2	58	95		-	-		75-125	-		35
Nickel, Total	1.9J	48.2	46	95		-	-		75-125	-		35
Potassium, Total	62.J	964	980	102		-	-		75-125	-		35
Selenium, Total	0.41J	11.6	11	95		-	-		75-125	-		35
Silver, Total	ND	28.9	28	97		-	-		75-125	-		35
Sodium, Total	530	964	1500	100		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	16.	48.2	53	77		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-4 QC Sample: L1317987-01 Client ID: MS Sample									
Zinc, Total	22.	48.2	60	79	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-4 QC Sample: L1317998-04 Client ID: MS Sample										
Aluminum, Total	2.65	2	3.94	**64**	Q	-	-	80-120	-	20
Antimony, Total	0.00049J	0.5	0.2829	**56**	Q	-	-	80-120	-	20
Arsenic, Total	0.00259	0.12	0.1091	91		-	-	80-120	-	20
Barium, Total	0.1346	2	0.2019	**4**	Q	-	-	80-120	-	20
Beryllium, Total	0.00016J	0.05	0.05493	110		-	-	80-120	-	20
Cadmium, Total	0.00005J	0.051	0.05462	107		-	-	80-120	-	20
Calcium, Total	214.	10	229	**150**	Q	-	-	80-120	-	20
Chromium, Total	0.02273	0.2	0.2238	100		-	-	80-120	-	20
Cobalt, Total	0.00242	0.5	0.5118	102		-	-	80-120	-	20
Copper, Total	0.00622	0.25	0.2677	107		-	-	80-120	-	20
Iron, Total	5.30	1	5.10	**0**	Q	-	-	80-120	-	20
Lead, Total	0.00300	0.51	0.1344	**26**	Q	-	-	80-120	-	20
Magnesium, Total	7.66	10	17.9	102		-	-	80-120	-	20
Manganese, Total	0.1218	0.5	0.6172	98		-	-	80-120	-	20
Nickel, Total	0.00755	0.5	0.5270	104		-	-	80-120	-	20
Potassium, Total	30.3	10	43.3	114		-	-	80-120	-	20
Selenium, Total	0.00207J	0.12	0.113	94		-	-	80-120	-	20
Silver, Total	ND	0.05	0.01247	**25**	Q	-	-	80-120	-	20
Sodium, Total	283.	10	302	**190**	Q	-	-	80-120	-	20
Thallium, Total	0.00004J	0.12	0.1180	98		-	-	80-120	-	20
Vanadium, Total	0.00712	0.5	0.5128	102		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-4 QC Sample: L1317998-04 Client ID: MS Sample									
Zinc, Total	0.02330	0.5	0.5506	110	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636484-4 QC Sample: L1318135-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.1	92	-	-	75-125	-	20
Barium, TCLP	0.33J	20	18	90	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.46	90	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.5	75	-	-	75-125	-	20
Lead, TCLP	0.07J	5.1	4.7	92	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.0	83	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.44	88	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636745-4 QC Sample: L1317416-03 Client ID: MS Sample									
Mercury, Total	ND	0.2	0.15	75	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636902-4 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5									
Mercury, TCLP	ND	0.025	0.0247	99	-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG637016-4 QC Sample: L1317998-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00365	73	-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-3 QC Sample: L1317987-01 Client ID: DUP Sample						
Aluminum, Total	1400	900	mg/kg	**43**	Q	35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	5.1	1.4	mg/kg	**114**	Q	35
Barium, Total	1.7	1.5	mg/kg	13		35
Beryllium, Total	0.38J	0.32J	mg/kg	NC		35
Cadmium, Total	0.25J	0.11J	mg/kg	NC		35
Calcium, Total	120	81	mg/kg	**39**	Q	35
Chromium, Total	11.	4.2	mg/kg	**89**	Q	35
Cobalt, Total	1.7J	0.96J	mg/kg	NC		35
Copper, Total	11.	7.1	mg/kg	**43**	Q	35
Iron, Total	9900	4100	mg/kg	**83**	Q	35
Lead, Total	4.1J	3.4J	mg/kg	NC		35
Magnesium, Total	140	150	mg/kg	7		35
Manganese, Total	12.	15	mg/kg	22		35
Nickel, Total	1.9J	1.3J	mg/kg	NC		35
Potassium, Total	62.J	68J	mg/kg	NC		35
Selenium, Total	0.41J	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	530	550	mg/kg	4		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-3 QC Sample: L1317987-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		35
Vanadium, Total	16.	5.5	mg/kg	**98**	Q	35
Zinc, Total	22.	15	mg/kg	**38**	Q	35
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-3 QC Sample: L1317998-04 Client ID: DUP Sample						
Aluminum, Total	2.65	2.32	mg/l	13		20
Sodium, Total	283.	290.	mg/l	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-3 QC Sample: L1317998-04 Client ID: DUP Sample					
Antimony, Total	0.00049J	0.00043J	mg/l	NC	20
Arsenic, Total	0.00259	0.00271	mg/l	5	20
Barium, Total	0.1346	0.1337	mg/l	1	20
Beryllium, Total	0.00016J	0.00014J	mg/l	NC	20
Cadmium, Total	0.00005J	0.00006J	mg/l	NC	20
Chromium, Total	0.02273	0.02319	mg/l	2	20
Cobalt, Total	0.00242	0.00253	mg/l	4	20
Copper, Total	0.00622	0.00649	mg/l	4	20
Iron, Total	5.30	5.61	mg/l	6	20
Lead, Total	0.00300	0.00303	mg/l	1	20
Manganese, Total	0.1218	0.1294	mg/l	6	20
Nickel, Total	0.00755	0.00776	mg/l	3	20
Potassium, Total	30.3	31.9	mg/l	5	20
Selenium, Total	0.00207J	0.00206J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	0.00004J	0.00012J	mg/l	NC	20
Vanadium, Total	0.00712	0.00691	mg/l	3	20
Zinc, Total	0.02330	0.02290	mg/l	2	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636484-3 QC Sample: L1318135-01 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.33J	0.37J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.07J	0.08J	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636745-3 QC Sample: L1317416-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636902-3 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5					
Mercury, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG637016-3 QC Sample: L1317998-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-01
Client ID: G2_SB-02A_1.0-1.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02
Client ID: G2_COMP-02_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.89	0.89	1	-	09/18/13 16:45	107,-	JO
Solids, Total	89.5		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:25	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.74	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:03	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-03
Client ID: G2_SB-03A_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	19		mg/kg	0.89	0.89	1	-	09/18/13 16:45	107,-	JO
Solids, Total	89.6		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/15/13 12:30	09/16/13 13:26	1,9010C/9012A	JO
pH (H)	8.6		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.72	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:07	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05
Client ID: G2_DUP
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06
Client ID: G2_COMP-DUP
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	28		mg/kg	0.88	0.88	1	-	09/18/13 16:45	107,-	JO
Solids, Total	90.6		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/15/13 12:30	09/16/13 13:27	1,9010C/9012A	JO
pH (H)	8.5		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.35	J	mg/kg	0.88	0.20	1	09/13/13 19:30	09/15/13 20:08	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07
Client ID: FB01_091213
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/12/13 11:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/19/13 10:30	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:45	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/13/13 11:45	09/13/13 12:18	1,7196A	JO

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG635886-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/13/13 11:45	09/13/13 12:13	1,7196A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636073-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/13/13 19:30	09/15/13 19:53	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636222-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	09/15/13 12:30	09/16/13 13:22	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG636223-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:40	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636513-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636516-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:40	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG635886-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635913-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636073-2								
Chromium, Hexavalent	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636222-4 WG636222-5								
Cyanide, Total	99		100		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG636223-4 WG636223-5								
Cyanide, Total	96		100		80-120	4		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636513-2								
Cyanide, Reactive	39		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636516-2								
Sulfide, Reactive	107		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635886-4 QC Sample: L1318001-07 Client ID: FB01_091213												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636073-5 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5												
Chromium, Hexavalent	0.74J	1440	1200	84		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636222-3 WG636222-2 QC Sample: L1318024-02 Client ID: MS Sample												
Cyanide, Total	ND	14	14	100		13	96		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG636223-3 WG636223-2 QC Sample: L1318119-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.195	98		0.193	96		80-120	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635886-3 QC Sample: L1318001-07 Client ID: FB01_091213						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635913-2 QC Sample: L1317980-04 Client ID: DUP Sample						
pH	8.0	8.0	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636073-4 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5						
Chromium, Hexavalent	0.74J	0.55J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG636397-1 QC Sample: L1317946-01 Client ID: DUP Sample						
Solids, Total	89.2	89.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636513-3 QC Sample: L1318096-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636516-3 QC Sample: L1318096-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/13/2013 11:26

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-01A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-02A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-02B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-02C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-02X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-03A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-04A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-04B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-04C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-04X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-05A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-06A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-06B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-06C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-06X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-07A	Plastic 500ml HNO3 preserved	A	<2	6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1318001-07B	Amber 1000ml unpreserved	A	7	6	Y	Absent	NYTCL-8082-1200ML(7)
L1318001-07C	Amber 1000ml unpreserved	A	7	6	Y	Absent	HERB-APA(7)
L1318001-07D	Amber 500ml unpreserved	A	N/A	6	Y	Absent	NYTCL-8081(7)
L1318001-07E	Amber 1000ml unpreserved	A	7	6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318001-07F	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-07G	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-07H	Plastic 1000ml unpreserved	A	7	6	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1318001-07I	Plastic 250ml NaOH preserved	A	>12	6	Y	Absent	TCN-9010(14)
L1318001-07J	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08A	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08B	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08C	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08D	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318001
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil □Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.□

Massachusetts Department of Environmental Protection Certi□icate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: □EPA 200.8 □or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ □EPA 200.7 □or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni□ 245.1, □300.0 □or: Nitrate-N, Fluoride, Sul□ate□□ □EPA 353.2 □or: Nitrate-N, Nitrite-N□□ □SM4500NO3-F □or: Nitrate-N and Nitrite-N□□4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: □EPA 524.2 □or: Trihalomethanes, Volatile Organics□□□504.1 □or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane□, EPA 332. Microbiology Parameters: SM9215B□EN□. SUB. SM9223□ Colilert□T SM9223B□MF-SM9222D.□

*Non-Potable Water (*Inorganic Parameters:, □EPA 200.8 □or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□□EPA 200.7 □or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□□ 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, □EPA 350.1 □or: Ammonia-N□, LACHAT 10-107-06-1-B □or Ammonia-N, SM4500NO3-F, 353.2 □or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: □EPA 624 □or Volatile Halocarbons, Volatile Aromatics□,□608 □or: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs-Water□, □EPA 625 □or SVOC Acid E□tractables and SVOC Base/Neutral E□tractables□, 600/4-81-045-PCB-Oil. Microbiology Parameters: □Colilert□T SM9223B□ Enterolert-□T: SM9222D-MF.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H□B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H□B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.□

Solid & Chemical Materials □Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water □Organic Parameters: **EPA 524.2:** Di-isopropyl ether □DIPE□, Ethyl-t-butyl ether □ETBE□, Tert-amyl methyl ether □TAME□□.

Non-Potable Water □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.□

Solid & Chemical Materials □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.□

New Jersey Department of Environmental Protection Certi□icate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5□E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dio□ane by N□Modi□ied 8270, 8015B, N□EPH.□

Solid & Chemical Materials □Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/20/13 CW

Serial_No:09231310:48

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.

Address: 300 W 31st St. 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, TCLP PCBs & Metals, RCRA Chars	TS	SVOCs, PCBs, Pest, Herb, 8082	TPH GRO	NaOH	PCB	Herb	SVOC	Pest 8082	Metals	Sample Specific Comments	TOTAL # BOTTLES
18001-01	G2SB2A (1.0-1.5)	9/12/13	9:00	Soil	NB	X		X									G2_SB-02A_1.0-1.5	4
-02	G2_COMP-02_0-5	9/12/13	9:00	Soil	NB		X		X	X								3
-03	G2SB3A (4.5-5)	9/12/13	11:00	Soil	NB	X		X									G2_SB-03A_4.5-5	4
-04	G2_COMP-03_0-5	9/12/13	11:00	Soil	NB		X		X	X								3
-05	G2_DUP			Soil	NB	X		X										4
-06	G2-COMP-DUP			Soil	NB		X		X	X								3
-07	Field Blank		11:45	AQ	NB						X						FB01_091213	1
-07	Field Blank				NB							X						1
-07	Field Blank				NB								X					1
-07	Field Blank				NB									X				1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9-12-13 1710
[signature]	9/12/13 1930	[signature]	9/12/13 1930
[signature]	9/12/13	[signature]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

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Serial_No:09231310:48

CHAIN OF CUSTODY

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ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.

Address: 300 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing.

Project Location: Brooklyn, NY

Project #: 170 229 002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCBs	VOC	Hex Chrom.	TCL Metals	Temp B VOC	Temp Blank	Sample Specific Comments	Total # Bottles
18001-01	Field Blank	09/12/13	11:45	HQ	NB	X							1
02	Field Blank				NB		X						1
03	Field Blank				NB			X					1
04	Field Blank				NB				X				1
05	Trip Blank				NB					X		TB01_091213	3
	Temp Blank				NB						X		1

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type	
Preservative	

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[illegible]	9/12/13 1710
[illegible]	9/12/13 1930	[illegible]	9/12/13 1930
[illegible]	9/12/13	[illegible]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.
Address: 300 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, TCLP Chem, TCLP Metals, RCRA 8 Metals	TS	SVOCs, PCBs, Pest, Herb, 8 TAMPO	TPH GRO	NaOH	PCB	Herb	SVOC	Pest	Metals	Sample Specific Comments	TOTAL # BOTTLES
18001-01	G2SB2A (1.0-1.5)	9/12/13	9:00	Soil	NB	X		X										4
-02	G2_COMP-02_0-5	9/12/13	9:00	Soil	NB		X		X	X								3
-03	G2SB3A (4.5-5)	9/12/13	11:00	Soil	NB	X		X										4
-04	G2_COMP-03_0-5	9/12/13	11:00	Soil	NB		X		X	X								3
-05	G2_DUP			Soil	NB	X		X										4
-06	G2-COMP-DUP			Soil	NB		X		X	X								3
-07	Field Blank		11:45	AQ	NB						X							1
-07	Field Blank				NB							X						1
-07	Field Blank				NB								X					1
-07	Field Blank				NB									X				1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9-12-13 1710
[signature]	9/12/13 1930	[signature]	9/12/13 1930
[signature]	9/12/13	[signature]	9/13/13 0000

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FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.
Address: 300 W 31st St. 8th Floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing.
Project Location: Brooklyn, NY
Project #: 170 229 002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCBs	VOC	Hex Chrom.	TCL Metals	Temp B VOC	Temp Blank	Sample Specific Comments	Total # Bottles
18001-01	Field Blank	09/12/13	11:45	HQ	NB	X							1
02	Field Blank				NB		X						1
03	Field Blank				NB			X					1
04	Field Blank				NB				X				1
05	Trip Blank				NB					X			3
	Temp Blank				NB						X		1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[illegible]	9/12/13 1710
[illegible]	9/12/13 1930	Tom Fisher	9/12/13 1930
Tom Fisher	9/12/13	[illegible]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318009
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318009-01	G2_SB-01B_2.5-3	BROOKLYN, NY	09/12/13 12:45
L1318009-02	G2_COMP-01_0-5	BROOKLYN, NY	09/12/13 12:45
L1318009-03	G1_SB-04A_9-9.5	BROOKLYN, NY	09/12/13 14:30
L1318009-04	G1_COMP-04D_5-10	BROOKLYN, NY	09/12/13 14:30
L1318009-05	G1_SB-04A_2-2.5	BROOKLYN, NY	09/12/13 14:30
L1318009-06	G1_COMP-04S_0-5	BROOKLYN, NY	09/12/13 14:30
L1318009-07	G1_SB-03B_4-4.5	BROOKLYN, NY	09/12/13 15:40
L1318009-08	G1_SB-03B_9-9.5	BROOKLYN, NY	09/12/13 15:40
L1318009-09	G1_COMP-03D_5-10	BROOKLYN, NY	09/12/13 15:40
L1318009-10	G1_COMP-03S_0-5	BROOKLYN, NY	09/12/13 15:40

Project Name: GREENPOINT LANDING **Lab Number:** L1318009
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The sample IDs were provided by the client.

Volatile Organics

L1318009-03: The internal standard (IS) response for 1,4-Dichlorobenzene-d4 (29%) and the surrogate recovery for 4-bromofluorobenzene (152%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-Dichlorobenzene-d4 (19%), Toluene-d8 (133%) and 4-bromofluorobenzene (190%). The results of both analyses are reported.

Semivolatile Organics

L1318009-09 has elevated detection limits due to the dilution required by the sample matrix.

L1318009-10 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Pesticides

L1318009-02, -04, -06, -09 and -10 have elevated detection limits due to the dilutions required by the sample matrices.

Herbicides

The WG635979-2 LCS recovery, associated with L1318009-02, -04, -06, -09 and -10, is above the acceptance criteria for 2,4-D (155%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Total Metals

L1318009-02, -04, -06, -09 and -10 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG636660-4 MS recoveries for aluminum (289%), calcium (0%), iron (4620%) and manganese (69%), performed on L1318009-02, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG636660-4 MS recoveries, performed on L1318009-02, are above the acceptance criteria for arsenic (173%), copper (273%) and lead (249%). A post digestion spike was performed with acceptable recoveries for arsenic (90%), copper (91%) and lead (94%).

The WG636660-4 MS recovery, performed on L1318009-02, is below the acceptance criteria for magnesium (0%). A post digestion spike was performed with an unacceptable recovery of 72%. This has been attributed to sample matrix.

The WG636660-3 Laboratory Duplicate RPD, performed on L1318009-02, is outside the acceptance criteria for calcium (47%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-01	Date Collected:	09/12/13 12:45
Client ID:	G2_SB-01B_2.5-3	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 15:43		
Analyst:	PP		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.44	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.1	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.1	0.65	1
Bromoform	ND		ug/kg	5.7	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	0.45	J	ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.1	1.1	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.1	0.34	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-01 Date Collected: 09/12/13 12:45

Client ID: G2_SB-01B_2.5-3 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.15	1
p/m-Xylene	ND		ug/kg	2.8	0.46	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.44	1
Dichlorodifluoromethane	ND		ug/kg	14	0.31	1
Acetone	7.0	J	ug/kg	14	4.4	1
Carbon disulfide	ND		ug/kg	14	2.8	1
2-Butanone	1.2	J	ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.68	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.27	1
Bromochloromethane	ND		ug/kg	7.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.1	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.7	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.1	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.1	0.80	1
o-Chlorotoluene	ND		ug/kg	7.1	0.23	1
p-Chlorotoluene	ND		ug/kg	7.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.1	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.60	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.27	1
Naphthalene	ND		ug/kg	7.1	1.1	1
Acrylonitrile	ND		ug/kg	14	0.34	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.1	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.1	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.1	0.82	1
Methyl Acetate	ND		ug/kg	28	1.1	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	25.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-01	Date Collected:	09/12/13 12:45
Client ID:	G2_SB-01B_2.5-3	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.39	1
p-Diethylbenzene	ND		ug/kg	5.7	0.23	1
p-Ethyltoluene	ND		ug/kg	5.7	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.7	0.18	1
Ethyl ether	ND		ug/kg	7.1	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.1	0.64	1
Methyl cyclohexane	ND		ug/kg	5.7	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 18:18		
Analyst:	PP		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	5.6	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.68	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.96	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.96	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
Methyl Acetate	ND		ug/kg	24	0.93	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.33	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.55	1
Methyl cyclohexane	ND		ug/kg	4.9	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	**152**	Q	70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	R	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 13:58			
Analyst:	PP			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	0.24	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.83	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03 R Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	4.3	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	2.9	J	ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1
Methyl Acetate	ND		ug/kg	21	0.81	1
Cyclohexane	ND		ug/kg	21	1.1	1
1,4-Dioxane	ND		ug/kg	110	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	R	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.12	1
1,2,4,5-Tetramethylbenzene	0.42	J	ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1
Methyl cyclohexane	ND		ug/kg	4.2	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	**133**	Q	70-130
4-Bromofluorobenzene	**190**	Q	70-130
Dibromofluoromethane	107		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-05	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_2-2.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 15:24		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	210	J	ug/kg	800	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	29.	1
Carbon tetrachloride	ND		ug/kg	80	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	80	24.	1
1,1,2-Trichloroethane	ND		ug/kg	120	24.	1
Tetrachloroethene	ND		ug/kg	80	11.	1
Chlorobenzene	ND		ug/kg	80	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.6	1
1,2-Dichloroethane	ND		ug/kg	80	12.	1
1,1,1-Trichloroethane	ND		ug/kg	80	8.8	1
Bromodichloromethane	ND		ug/kg	80	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	80	9.6	1
cis-1,3-Dichloropropene	ND		ug/kg	80	10.	1
1,1-Dichloropropene	ND		ug/kg	400	36.	1
Bromoform	ND		ug/kg	320	33.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	80	14.	1
Benzene	21	J	ug/kg	80	9.4	1
Toluene	47	J	ug/kg	120	8.9	1
Ethylbenzene	15	J	ug/kg	80	12.	1
Chloromethane	ND		ug/kg	400	62.	1
Bromomethane	63	J	ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	25.	1
1,1-Dichloroethene	ND		ug/kg	80	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	ND		ug/kg	80	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	14.	1
1,3-Dichlorobenzene	ND		ug/kg	400	14.	1
1,4-Dichlorobenzene	ND		ug/kg	400	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_2-2.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.3	1
p/m-Xylene	66	J	ug/kg	160	26.	1
o-Xylene	ND		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	80	12.	1
Dibromomethane	ND		ug/kg	800	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	800	17.	1
Acetone	ND		ug/kg	800	250	1
Carbon disulfide	ND		ug/kg	800	160	1
2-Butanone	ND		ug/kg	800	28.	1
Vinyl acetate	ND		ug/kg	800	38.	1
4-Methyl-2-pentanone	ND		ug/kg	800	19.	1
1,2,3-Trichloropropane	ND		ug/kg	800	18.	1
2-Hexanone	ND		ug/kg	800	15.	1
Bromochloromethane	ND		ug/kg	400	16.	1
2,2-Dichloropropane	ND		ug/kg	400	18.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
1,3-Dichloropropane	ND		ug/kg	400	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	80	25.	1
Bromobenzene	ND		ug/kg	400	16.	1
n-Butylbenzene	ND		ug/kg	80	16.	1
sec-Butylbenzene	ND		ug/kg	80	16.	1
tert-Butylbenzene	ND		ug/kg	400	44.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	63.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	18	J	ug/kg	80	13.	1
p-Isopropyltoluene	ND		ug/kg	80	15.	1
Naphthalene	780		ug/kg	400	61.	1
Acrylonitrile	ND		ug/kg	800	19.	1
n-Propylbenzene	ND		ug/kg	80	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	63.	1
1,3,5-Trimethylbenzene	67	J	ug/kg	400	11.	1
1,2,4-Trimethylbenzene	59	J	ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	61.	1
Cyclohexane	ND		ug/kg	1600	85.	1
1,4-Dioxane	ND		ug/kg	8000	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_2-2.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	77	J	ug/kg	320	13.	1
p-Ethyltoluene	37	J	ug/kg	320	9.3	1
1,2,4,5-Tetramethylbenzene	49	J	ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	130	J	ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	91		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-07	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_4-4.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 14:34		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	810	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	30.	1
Carbon tetrachloride	ND		ug/kg	81	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	81	25.	1
1,1,2-Trichloroethane	ND		ug/kg	120	25.	1
Tetrachloroethene	ND		ug/kg	81	11.	1
Chlorobenzene	ND		ug/kg	81	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.8	1
1,2-Dichloroethane	1100		ug/kg	81	12.	1
1,1,1-Trichloroethane	ND		ug/kg	81	9.0	1
Bromodichloromethane	ND		ug/kg	81	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	81	9.8	1
cis-1,3-Dichloropropene	ND		ug/kg	81	10.	1
1,1-Dichloropropene	ND		ug/kg	400	37.	1
Bromoform	ND		ug/kg	320	34.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	81	14.	1
Benzene	17	J	ug/kg	81	9.6	1
Toluene	67	J	ug/kg	120	9.1	1
Ethylbenzene	ND		ug/kg	81	12.	1
Chloromethane	ND		ug/kg	400	64.	1
Bromomethane	ND		ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	26.	1
1,1-Dichloroethene	ND		ug/kg	81	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	22	J	ug/kg	81	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	15.	1
1,3-Dichlorobenzene	ND		ug/kg	400	15.	1
1,4-Dichlorobenzene	ND		ug/kg	400	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-07 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_4-4.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.4	1
p/m-Xylene	51	J	ug/kg	160	26.	1
o-Xylene	ND		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	81	12.	1
Dibromomethane	ND		ug/kg	810	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	810	18.	1
Acetone	260	J	ug/kg	810	250	1
Carbon disulfide	ND		ug/kg	810	160	1
2-Butanone	ND		ug/kg	810	29.	1
Vinyl acetate	ND		ug/kg	810	39.	1
4-Methyl-2-pentanone	ND		ug/kg	810	20.	1
1,2,3-Trichloropropane	ND		ug/kg	810	18.	1
2-Hexanone	ND		ug/kg	810	15.	1
Bromochloromethane	ND		ug/kg	400	16.	1
2,2-Dichloropropane	ND		ug/kg	400	18.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
1,3-Dichloropropane	ND		ug/kg	400	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	81	26.	1
Bromobenzene	ND		ug/kg	400	17.	1
n-Butylbenzene	ND		ug/kg	81	16.	1
sec-Butylbenzene	ND		ug/kg	81	17.	1
tert-Butylbenzene	ND		ug/kg	400	45.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	64.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	ND		ug/kg	81	14.	1
p-Isopropyltoluene	ND		ug/kg	81	16.	1
Naphthalene	65	J	ug/kg	400	62.	1
Acrylonitrile	ND		ug/kg	810	19.	1
n-Propylbenzene	ND		ug/kg	81	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	64.	1
1,3,5-Trimethylbenzene	35	J	ug/kg	400	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	62.	1
Cyclohexane	93	J	ug/kg	1600	87.	1
1,4-Dioxane	ND		ug/kg	8100	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-07	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_4-4.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	23	J	ug/kg	320	13.	1
p-Ethyltoluene	ND		ug/kg	320	9.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	320		ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-08	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 11:20		
Analyst:	PP		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.27	1
Chloroform	ND		ug/kg	2.2	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.46	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.5	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.5	0.68	1
Bromoform	ND		ug/kg	6.0	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.26	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.5	1.2	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.32	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	7.5	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.16	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.33	1
Acetone	6.5	J	ug/kg	15	4.7	1
Carbon disulfide	ND		ug/kg	15	3.0	1
2-Butanone	ND		ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.72	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.34	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	7.5	0.34	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.5	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.5	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.30	1
sec-Butylbenzene	ND		ug/kg	1.5	0.31	1
tert-Butylbenzene	ND		ug/kg	7.5	0.84	1
o-Chlorotoluene	ND		ug/kg	7.5	0.24	1
p-Chlorotoluene	ND		ug/kg	7.5	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.29	1
Naphthalene	ND		ug/kg	7.5	1.2	1
Acrylonitrile	ND		ug/kg	15	0.36	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.5	0.86	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.41	1
p-Diethylbenzene	ND		ug/kg	6.0	0.24	1
p-Ethyltoluene	ND		ug/kg	6.0	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.20	1
Ethyl ether	ND		ug/kg	7.5	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	0.67	1
Methyl cyclohexane	ND		ug/kg	6.0	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	19	J	ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
Methylene chloride	2.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
Methylene chloride	97		90		70-130	7		30
1,1-Dichloroethane	90		85		70-130	6		30
Chloroform	89		84		70-130	6		30
Carbon tetrachloride	94		90		70-130	4		30
1,2-Dichloropropane	89		85		70-130	5		30
Dibromochloromethane	98		95		70-130	3		30
1,1,2-Trichloroethane	97		94		70-130	3		30
Tetrachloroethene	103		97		70-130	6		30
Chlorobenzene	98		95		70-130	3		30
Trichlorofluoromethane	86		81		70-139	6		30
1,2-Dichloroethane	87		85		70-130	2		30
1,1,1-Trichloroethane	92		87		70-130	6		30
Bromodichloromethane	88		84		70-130	5		30
trans-1,3-Dichloropropene	95		92		70-130	3		30
cis-1,3-Dichloropropene	85		82		70-130	4		30
1,1-Dichloropropene	89		84		70-130	6		30
Bromoform	99		96		70-130	3		30
1,1,2,2-Tetrachloroethane	97		94		70-130	3		30
Benzene	91		86		70-130	6		30
Toluene	102		95		70-130	7		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
Chloromethane	102		88		52-130	15		30
Bromomethane	87		84		57-147	4		30
Vinyl chloride	86		80		67-130	7		30
Chloroethane	89		82		50-151	8		30
1,1-Dichloroethene	92		86		65-135	7		30
trans-1,2-Dichloroethene	92		87		70-130	6		30
Trichloroethene	91		87		70-130	4		30
1,2-Dichlorobenzene	100		98		70-130	2		30
1,3-Dichlorobenzene	101		97		70-130	4		30
1,4-Dichlorobenzene	100		97		70-130	3		30
Methyl tert butyl ether	86		84		66-130	2		30
p/m-Xylene	100		96		70-130	4		30
o-Xylene	100		95		70-130	5		30
cis-1,2-Dichloroethene	89		86		70-130	3		30
Dibromomethane	89		85		70-130	5		30
Styrene	100		96		70-130	4		30
Dichlorodifluoromethane	84		79		30-146	6		30
Acetone	99		73		54-140	30		30
Carbon disulfide	93		84		59-130	10		30
2-Butanone	101		86		70-130	16		30
Vinyl acetate	82		79		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
4-Methyl-2-pentanone	86		83		70-130	4		30
1,2,3-Trichloropropane	97		94		68-130	3		30
2-Hexanone	96		87		70-130	10		30
Bromochloromethane	91		88		70-130	3		30
2,2-Dichloropropane	93		87		70-130	7		30
1,2-Dibromoethane	96		94		70-130	2		30
1,3-Dichloropropane	95		92		69-130	3		30
1,1,1,2-Tetrachloroethane	98		95		70-130	3		30
Bromobenzene	98		94		70-130	4		30
n-Butylbenzene	102		97		70-130	5		30
sec-Butylbenzene	100		96		70-130	4		30
tert-Butylbenzene	101		96		70-130	5		30
o-Chlorotoluene	100		97		70-130	3		30
p-Chlorotoluene	98		94		70-130	4		30
1,2-Dibromo-3-chloropropane	98		96		68-130	2		30
Hexachlorobutadiene	100		98		67-130	2		30
Isopropylbenzene	98		93		70-130	5		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	95		93		70-130	2		30
Acrylonitrile	92		88		70-130	4		30
Isopropyl Ether	85		83		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
tert-Butyl Alcohol	94		88		70-130	7		30
n-Propylbenzene	99		94		70-130	5		30
1,2,3-Trichlorobenzene	98		97		70-130	1		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	101		96		70-130	5		30
1,2,4-Trimethylbenzene	102		97		70-130	5		30
Methyl Acetate	91		87		51-146	4		30
Ethyl Acetate	84		85		70-130	1		30
Acrolein	99		91		70-130	8		30
Cyclohexane	86		79		59-142	8		30
1,4-Dioxane	93		90		65-136	3		30
Freon-113	84		79		50-139	6		30
p-Diethylbenzene	102		98		70-130	4		30
p-Ethyltoluene	100		95		70-130	5		30
1,2,4,5-Tetramethylbenzene	100		96		70-130	4		30
Tetrahydrofuran	86		82		66-130	5		30
Ethyl ether	78		74		67-130	5		30
trans-1,4-Dichloro-2-butene	96		95		70-130	1		30
Methyl cyclohexane	83		76		70-130	9		30
Ethyl-Tert-Butyl-Ether	86		84		70-130	2		30
Tertiary-Amyl Methyl Ether	87		85		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
Freon-113	85		79		50-139	7		30
p-Diethylbenzene	102		97		70-130	5		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	91		84		70-130	8		30
1,2-Dichloropropane	92		87		70-130	6		30
Dibromochloromethane	89		84		70-130	6		30
1,1,2-Trichloroethane	92		86		70-130	7		30
Tetrachloroethene	91		84		70-130	8		30
Chlorobenzene	91		85		70-130	7		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	94		89		70-130	5		30
1,1,1-Trichloroethane	92		86		70-130	7		30
Bromodichloromethane	92		85		70-130	8		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	89		84		70-130	6		30
1,1-Dichloropropene	92		84		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	92		85		70-130	8		30
Toluene	91		83		70-130	9		30
Ethylbenzene	92		84		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
Chloromethane	89		80		52-130	11		30
Bromomethane	99		88		57-147	12		30
Vinyl chloride	91		82		67-130	10		30
Chloroethane	116		102		50-151	13		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	92		84		70-130	9		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	90		86		70-130	5		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	93		87		70-130	7		30
cis-1,2-Dichloroethene	93		86		70-130	8		30
Dibromomethane	92		88		70-130	4		30
Styrene	95		88		70-130	8		30
Dichlorodifluoromethane	77		70		30-146	10		30
Acetone	133		114		54-140	15		30
Carbon disulfide	91		83		59-130	9		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	85		80		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
4-Methyl-2-pentanone	90		88		70-130	2		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	95		91		70-130	4		30
2,2-Dichloropropane	94		86		70-130	9		30
1,2-Dibromoethane	90		85		70-130	6		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	89		85		70-130	5		30
tert-Butylbenzene	89		86		70-130	3		30
o-Chlorotoluene	73		86		70-130	16		30
p-Chlorotoluene	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	80		85		68-130	6		30
Hexachlorobutadiene	87		81		67-130	7		30
Isopropylbenzene	91		86		70-130	6		30
p-Isopropyltoluene	91		86		70-130	6		30
Naphthalene	92		88		70-130	4		30
Acrylonitrile	94		88		70-130	7		30
Isopropyl Ether	95		90		66-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	90		86		70-130	5		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	94		90		70-130	4		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	91		88		70-130	3		30
Methyl Acetate	90		89		51-146	1		30
Ethyl Acetate	93		89		70-130	4		30
Acrolein	89		82		70-130	8		30
Cyclohexane	86		78		59-142	10		30
1,4-Dioxane	88		85		65-136	3		30
Freon-113	82		74		50-139	10		30
p-Diethylbenzene	91		87		70-130	4		30
p-Ethyltoluene	91		87		70-130	4		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	92		88		67-130	4		30
trans-1,4-Dichloro-2-butene	89		85		70-130	5		30
Methyl cyclohexane	80		74		70-130	8		30
Ethyl-Tert-Butyl-Ether	93		89		70-130	4		30
Tertiary-Amyl Methyl Ether	93		88		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
Freon-113	89		88		50-139	1		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
Freon-113	85		83		50-139	2		30
p-Diethylbenzene	94		94		70-130	0		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
Methylene chloride	104		105		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		102		70-130	3		30
1,2-Dichloropropane	100		103		70-130	3		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	106		105		70-139	1		30
1,2-Dichloroethane	102		104		70-130	2		30
1,1,1-Trichloroethane	102		102		70-130	0		30
Bromodichloromethane	99		103		70-130	4		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	94		97		70-130	3		30
1,1-Dichloropropene	101		102		70-130	1		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	90		92		70-130	2		30
Benzene	102		103		70-130	1		30
Toluene	96		97		70-130	1		30
Ethylbenzene	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
Chloromethane	99		99		52-130	0		30
Bromomethane	115		113		57-147	2		30
Vinyl chloride	101		101		67-130	0		30
Chloroethane	122		126		50-151	3		30
1,1-Dichloroethene	101		98		65-135	3		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	97		100		66-130	3		30
p/m-Xylene	99		100		70-130	1		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	100		102		70-130	2		30
Styrene	100		101		70-130	1		30
Dichlorodifluoromethane	93		93		30-146	0		30
Acetone	**143**	Q	138		54-140	4		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	**132**	Q	**132**	Q	70-130	0		30
Vinyl acetate	91		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	106		105		70-130	1		30
Bromochloromethane	106		105		70-130	1		30
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	92		96		70-130	4		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	94		95		70-130	1		30
Bromobenzene	97		98		70-130	1		30
n-Butylbenzene	100		100		70-130	0		30
sec-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	99		98		70-130	1		30
1,2-Dibromo-3-chloropropane	86		84		68-130	2		30
Hexachlorobutadiene	98		98		67-130	0		30
Isopropylbenzene	98		98		70-130	0		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	101		102		70-130	1		30
Isopropyl Ether	105		106		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
tert-Butyl Alcohol	87		90		70-130	3		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	98		99		70-130	1		30
Methyl Acetate	100		98		51-146	2		30
Ethyl Acetate	97		99		70-130	2		30
Acrolein	95		95		70-130	0		30
Cyclohexane	102		100		59-142	2		30
1,4-Dioxane	94		97		65-136	3		30
Freon-113	100		98		50-139	2		30
p-Diethylbenzene	100		100		70-130	0		30
p-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		30
Tetrahydrofuran	102		96		66-130	6		30
Ethyl ether	101		100		67-130	1		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30
Methyl cyclohexane	98		98		70-130	0		30
Ethyl-Tert-Butyl-Ether	102		101		70-130	1		30
Tertiary-Amyl Methyl Ether	97		99		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 09:58			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1300		ug/kg	580	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	200	4
2-Chloronaphthalene	ND		ug/kg	730	240	4
1,2-Dichlorobenzene	ND		ug/kg	730	240	4
1,3-Dichlorobenzene	ND		ug/kg	730	230	4
1,4-Dichlorobenzene	ND		ug/kg	730	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	190	4
2,4-Dinitrotoluene	ND		ug/kg	730	160	4
2,6-Dinitrotoluene	ND		ug/kg	730	190	4
Fluoranthene	18000		ug/kg	440	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	730	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	880	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	970		ug/kg	730	240	4
Nitrobenzene	ND		ug/kg	660	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	730	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	190	4
Butyl benzyl phthalate	ND		ug/kg	730	140	4
Di-n-butylphthalate	ND		ug/kg	730	140	4
Di-n-octylphthalate	ND		ug/kg	730	180	4
Diethyl phthalate	ND		ug/kg	730	150	4
Dimethyl phthalate	ND		ug/kg	730	180	4
Benzo(a)anthracene	8700		ug/kg	440	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02 D Date Collected: 09/12/13 12:45

Client ID: G2_COMP-01_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8600		ug/kg	580	180	4
Benzo(b)fluoranthene	10000		ug/kg	440	150	4
Benzo(k)fluoranthene	3600		ug/kg	440	140	4
Chrysene	8700		ug/kg	440	140	4
Acenaphthylene	580		ug/kg	580	140	4
Anthracene	3800		ug/kg	440	120	4
Benzo(ghi)perylene	5400		ug/kg	580	150	4
Fluorene	1600		ug/kg	730	210	4
Phenanthrene	12000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1400		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	6000		ug/kg	580	160	4
Pyrene	16000		ug/kg	440	140	4
Biphenyl	240	J	ug/kg	1700	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	200	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	1400		ug/kg	730	240	4
2-Methylnaphthalene	490	J	ug/kg	880	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	230	4
Acetophenone	ND		ug/kg	730	230	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	730	210	4
2-Chlorophenol	ND		ug/kg	730	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	730	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3500	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	580	160	4
Phenol	ND		ug/kg	730	220	4
2-Methylphenol	ND		ug/kg	730	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	730	240	4
Benzoic Acid	1500	J	ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	220	4
Carbazole	1000		ug/kg	730	160	4
Benzaldehyde	ND		ug/kg	960	290	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02 D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	730	200	4
Atrazine	ND		ug/kg	580	160	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	730	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	94		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 10:23		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		ug/kg	620	160	4
1,2,4-Trichlorobenzene	ND		ug/kg	780	260	4
Hexachlorobenzene	ND		ug/kg	470	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	700	220	4
2-Chloronaphthalene	ND		ug/kg	780	250	4
1,2-Dichlorobenzene	ND		ug/kg	780	260	4
1,3-Dichlorobenzene	ND		ug/kg	780	250	4
1,4-Dichlorobenzene	ND		ug/kg	780	240	4
3,3'-Dichlorobenzidine	ND		ug/kg	780	210	4
2,4-Dinitrotoluene	ND		ug/kg	780	170	4
2,6-Dinitrotoluene	ND		ug/kg	780	200	4
Fluoranthene	20000		ug/kg	470	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	780	240	4
4-Bromophenyl phenyl ether	ND		ug/kg	780	180	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	940	280	4
Bis(2-chloroethoxy)methane	ND		ug/kg	840	240	4
Hexachlorobutadiene	ND		ug/kg	780	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	500	4
Hexachloroethane	ND		ug/kg	620	140	4
Isophorone	ND		ug/kg	700	210	4
Naphthalene	400	J	ug/kg	780	260	4
Nitrobenzene	ND		ug/kg	700	190	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	620	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	780	230	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	780	200	4
Butyl benzyl phthalate	ND		ug/kg	780	150	4
Di-n-butylphthalate	ND		ug/kg	780	150	4
Di-n-octylphthalate	ND		ug/kg	780	190	4
Diethyl phthalate	ND		ug/kg	780	160	4
Dimethyl phthalate	ND		ug/kg	780	200	4
Benzo(a)anthracene	8500		ug/kg	470	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04 D Date Collected: 09/12/13 14:30

Client ID: G1_COMP-04D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8100		ug/kg	620	190	4
Benzo(b)fluoranthene	9500		ug/kg	470	160	4
Benzo(k)fluoranthene	3100		ug/kg	470	150	4
Chrysene	9600		ug/kg	470	150	4
Acenaphthylene	280	J	ug/kg	620	150	4
Anthracene	4200		ug/kg	470	130	4
Benzo(ghi)perylene	4900		ug/kg	620	160	4
Fluorene	1800		ug/kg	780	220	4
Phenanthrene	17000		ug/kg	470	150	4
Dibenzo(a,h)anthracene	1200		ug/kg	470	150	4
Indeno(1,2,3-cd)Pyrene	5200		ug/kg	620	170	4
Pyrene	20000		ug/kg	470	150	4
Biphenyl	ND		ug/kg	1800	260	4
4-Chloroaniline	ND		ug/kg	780	210	4
2-Nitroaniline	ND		ug/kg	780	220	4
3-Nitroaniline	ND		ug/kg	780	220	4
4-Nitroaniline	ND		ug/kg	780	210	4
Dibenzofuran	840		ug/kg	780	260	4
2-Methylnaphthalene	250	J	ug/kg	940	250	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	780	240	4
Acetophenone	ND		ug/kg	780	240	4
2,4,6-Trichlorophenol	ND		ug/kg	470	150	4
P-Chloro-M-Cresol	ND		ug/kg	780	230	4
2-Chlorophenol	ND		ug/kg	780	240	4
2,4-Dichlorophenol	ND		ug/kg	700	250	4
2,4-Dimethylphenol	ND		ug/kg	780	230	4
2-Nitrophenol	ND		ug/kg	1700	240	4
4-Nitrophenol	ND		ug/kg	1100	250	4
2,4-Dinitrophenol	ND		ug/kg	3800	1100	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	290	4
Pentachlorophenol	ND		ug/kg	620	170	4
Phenol	ND		ug/kg	780	230	4
2-Methylphenol	ND		ug/kg	780	250	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	260	4
2,4,5-Trichlorophenol	ND		ug/kg	780	250	4
Benzoic Acid	ND		ug/kg	2500	790	4
Benzyl Alcohol	ND		ug/kg	780	240	4
Carbazole	1200		ug/kg	780	170	4
Benzaldehyde	ND		ug/kg	1000	320	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04 D
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	780	220	4
Atrazine	ND		ug/kg	620	180	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	780	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	97		0-136
4-Terphenyl-d14	97		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/18/13 23:18		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	550		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	6300		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	810		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	330		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	50	J	ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	3100		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06 Date Collected: 09/12/13 14:30

Client ID: G1_COMP-04S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2700		ug/kg	160	48.	1
Benzo(b)fluoranthene	3400		ug/kg	120	40.	1
Benzo(k)fluoranthene	1200		ug/kg	120	37.	1
Chrysene	2900		ug/kg	120	38.	1
Acenaphthylene	110	J	ug/kg	160	37.	1
Anthracene	1800		ug/kg	120	32.	1
Benzo(ghi)perylene	1500		ug/kg	160	41.	1
Fluorene	780		ug/kg	200	56.	1
Phenanthrene	6000		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	440		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	160	43.	1
Pyrene	5000		ug/kg	120	38.	1
Biphenyl	120	J	ug/kg	450	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	650		ug/kg	200	65.	1
2-Methylnaphthalene	410		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	540		ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	87		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 10:47		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	700		ug/kg	320	83.	2
1,2,4-Trichlorobenzene	ND		ug/kg	400	130	2
Hexachlorobenzene	ND		ug/kg	240	75.	2
Bis(2-chloroethyl)ether	ND		ug/kg	360	110	2
2-Chloronaphthalene	ND		ug/kg	400	130	2
1,2-Dichlorobenzene	ND		ug/kg	400	130	2
1,3-Dichlorobenzene	ND		ug/kg	400	130	2
1,4-Dichlorobenzene	ND		ug/kg	400	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	400	110	2
2,4-Dinitrotoluene	ND		ug/kg	400	87.	2
2,6-Dinitrotoluene	ND		ug/kg	400	100	2
Fluoranthene	7700		ug/kg	240	74.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	400	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	400	92.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	480	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	430	120	2
Hexachlorobutadiene	ND		ug/kg	400	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1200	260	2
Hexachloroethane	ND		ug/kg	320	73.	2
Isophorone	ND		ug/kg	360	110	2
Naphthalene	360	J	ug/kg	400	130	2
Nitrobenzene	ND		ug/kg	360	96.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	320	84.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	400	120	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	400	100	2
Butyl benzyl phthalate	ND		ug/kg	400	78.	2
Di-n-butylphthalate	ND		ug/kg	400	78.	2
Di-n-octylphthalate	ND		ug/kg	400	99.	2
Diethyl phthalate	ND		ug/kg	400	85.	2
Dimethyl phthalate	ND		ug/kg	400	100	2
Benzo(a)anthracene	3100		ug/kg	240	79.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2700		ug/kg	320	98.	2
Benzo(b)fluoranthene	3400		ug/kg	240	81.	2
Benzo(k)fluoranthene	1300		ug/kg	240	77.	2
Chrysene	3300		ug/kg	240	79.	2
Acenaphthylene	150	J	ug/kg	320	75.	2
Anthracene	2000		ug/kg	240	67.	2
Benzo(ghi)perylene	1600		ug/kg	320	84.	2
Fluorene	880		ug/kg	400	120	2
Phenanthrene	7900		ug/kg	240	78.	2
Dibenzo(a,h)anthracene	440		ug/kg	240	78.	2
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	320	89.	2
Pyrene	6500		ug/kg	240	78.	2
Biphenyl	ND		ug/kg	920	130	2
4-Chloroaniline	ND		ug/kg	400	110	2
2-Nitroaniline	ND		ug/kg	400	110	2
3-Nitroaniline	ND		ug/kg	400	110	2
4-Nitroaniline	ND		ug/kg	400	110	2
Dibenzofuran	630		ug/kg	400	130	2
2-Methylnaphthalene	270	J	ug/kg	480	130	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	400	120	2
Acetophenone	ND		ug/kg	400	120	2
2,4,6-Trichlorophenol	ND		ug/kg	240	76.	2
P-Chloro-M-Cresol	ND		ug/kg	400	120	2
2-Chlorophenol	ND		ug/kg	400	120	2
2,4-Dichlorophenol	ND		ug/kg	360	130	2
2,4-Dimethylphenol	ND		ug/kg	400	120	2
2-Nitrophenol	ND		ug/kg	870	120	2
4-Nitrophenol	ND		ug/kg	560	130	2
2,4-Dinitrophenol	ND		ug/kg	1900	550	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	150	2
Pentachlorophenol	ND		ug/kg	320	86.	2
Phenol	ND		ug/kg	400	120	2
2-Methylphenol	ND		ug/kg	400	130	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	580	130	2
2,4,5-Trichlorophenol	ND		ug/kg	400	130	2
Benzoic Acid	ND		ug/kg	1300	410	2
Benzyl Alcohol	ND		ug/kg	400	120	2
Carbazole	480		ug/kg	400	86.	2
Benzaldehyde	ND		ug/kg	530	160	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	400	110	2
Atrazine	ND		ug/kg	320	91.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	400	68.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	92		0-136
4-Terphenyl-d14	84		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 00:10		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1000		ug/kg	600	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	750	240	4
Hexachlorobenzene	ND		ug/kg	450	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	670	210	4
2-Chloronaphthalene	ND		ug/kg	750	240	4
1,2-Dichlorobenzene	ND		ug/kg	750	250	4
1,3-Dichlorobenzene	ND		ug/kg	750	240	4
1,4-Dichlorobenzene	ND		ug/kg	750	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	750	200	4
2,4-Dinitrotoluene	ND		ug/kg	750	160	4
2,6-Dinitrotoluene	ND		ug/kg	750	190	4
Fluoranthene	10000		ug/kg	450	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	750	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	750	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	900	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	810	230	4
Hexachlorobutadiene	ND		ug/kg	750	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	480	4
Hexachloroethane	ND		ug/kg	600	140	4
Isophorone	ND		ug/kg	670	200	4
Naphthalene	810		ug/kg	750	250	4
Nitrobenzene	ND		ug/kg	670	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	600	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	750	220	4
Bis(2-Ethylhexyl)phthalate	400	J	ug/kg	750	200	4
Butyl benzyl phthalate	ND		ug/kg	750	150	4
Di-n-butylphthalate	ND		ug/kg	750	140	4
Di-n-octylphthalate	ND		ug/kg	750	180	4
Diethyl phthalate	ND		ug/kg	750	160	4
Dimethyl phthalate	ND		ug/kg	750	190	4
Benzo(a)anthracene	4900		ug/kg	450	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	4100		ug/kg	600	180	4
Benzo(b)fluoranthene	5000		ug/kg	450	150	4
Benzo(k)fluoranthene	2000		ug/kg	450	140	4
Chrysene	4700		ug/kg	450	150	4
Acenaphthylene	140	J	ug/kg	600	140	4
Anthracene	2600		ug/kg	450	120	4
Benzo(ghi)perylene	2200		ug/kg	600	160	4
Fluorene	1100		ug/kg	750	210	4
Phenanthrene	9800		ug/kg	450	150	4
Dibenzo(a,h)anthracene	660		ug/kg	450	140	4
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	600	170	4
Pyrene	8400		ug/kg	450	140	4
Biphenyl	ND		ug/kg	1700	250	4
4-Chloroaniline	ND		ug/kg	750	200	4
2-Nitroaniline	ND		ug/kg	750	210	4
3-Nitroaniline	ND		ug/kg	750	210	4
4-Nitroaniline	ND		ug/kg	750	200	4
Dibenzofuran	730	J	ug/kg	750	250	4
2-Methylnaphthalene	370	J	ug/kg	900	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	750	230	4
Acetophenone	ND		ug/kg	750	230	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
P-Chloro-M-Cresol	ND		ug/kg	750	220	4
2-Chlorophenol	ND		ug/kg	750	230	4
2,4-Dichlorophenol	ND		ug/kg	670	240	4
2,4-Dimethylphenol	ND		ug/kg	750	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	600	160	4
Phenol	ND		ug/kg	750	220	4
2-Methylphenol	ND		ug/kg	750	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	240	4
2,4,5-Trichlorophenol	ND		ug/kg	750	240	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	750	230	4
Carbazole	760		ug/kg	750	160	4
Benzaldehyde	ND		ug/kg	990	300	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	750	210	4
Atrazine	ND		ug/kg	600	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	750	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	64		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	44.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	220	52.
2,4-Dinitrophenol	ND		ug/kg	770	220

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	34.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	44.
Atrazine	ND		ug/kg	130	36.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Acenaphthene	90		101		31-137	12		50
1,2,4-Trichlorobenzene	72		88		38-107	20		50
Hexachlorobenzene	106		110		40-140	4		50
Bis(2-chloroethyl)ether	66		84		40-140	24		50
2-Chloronaphthalene	89		105		40-140	16		50
1,2-Dichlorobenzene	66		84		40-140	24		50
1,3-Dichlorobenzene	64		84		40-140	27		50
1,4-Dichlorobenzene	64		84		28-104	27		50
3,3'-Dichlorobenzidine	91		81		40-140	12		50
2,4-Dinitrotoluene	**109**	Q	**115**	Q	28-89	5		50
2,6-Dinitrotoluene	108		116		40-140	7		50
Fluoranthene	106		111		40-140	5		50
4-Chlorophenyl phenyl ether	98		106		40-140	8		50
4-Bromophenyl phenyl ether	107		112		40-140	5		50
Bis(2-chloroisopropyl)ether	66		83		40-140	23		50
Bis(2-chloroethoxy)methane	74		91		40-117	21		50
Hexachlorobutadiene	71		87		40-140	20		50
Hexachlorocyclopentadiene	**27**	Q	**39**	Q	40-140	36		50
Hexachloroethane	58		77		40-140	28		50
Isophorone	80		98		40-140	20		50
Naphthalene	73		89		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
Nitrobenzene	70		87		40-140	22		50
NitrosoDiPhenylAmine(NDPA)/DPA	107		111			4		50
n-Nitrosodi-n-propylamine	73		90		32-121	21		50
Bis(2-Ethylhexyl)phthalate	114		115		40-140	1		50
Butyl benzyl phthalate	109		114		40-140	4		50
Di-n-butylphthalate	106		110		40-140	4		50
Di-n-octylphthalate	122		125		40-140	2		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	98		104		40-140	6		50
Benzo(a)anthracene	105		108		40-140	3		50
Benzo(a)pyrene	110		112		40-140	2		50
Benzo(b)fluoranthene	110		114		40-140	4		50
Benzo(k)fluoranthene	104		107		40-140	3		50
Chrysene	105		109		40-140	4		50
Acenaphthylene	97		111		40-140	13		50
Anthracene	109		112		40-140	3		50
Benzo(ghi)perylene	101		105		40-140	4		50
Fluorene	100		108		40-140	8		50
Phenanthrene	101		105		40-140	4		50
Dibenzo(a,h)anthracene	105		109		40-140	4		50
Indeno(1,2,3-cd)Pyrene	107		111		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
Pyrene	104		111		35-142	7		50
Biphenyl	85		98			14		50
4-Chloroaniline	56		51		40-140	9		50
2-Nitroaniline	115		124		47-134	8		50
3-Nitroaniline	83		78		26-129	6		50
4-Nitroaniline	96		99		41-125	3		50
Dibenzofuran	93		104		40-140	11		50
2-Methylnaphthalene	81		97		40-140	18		50
1,2,4,5-Tetrachlorobenzene	81		96		40-117	17		50
Acetophenone	79		98		14-144	21		50
2,4,6-Trichlorophenol	108		122		30-130	12		50
P-Chloro-M-Cresol	**108**	Q	**119**	Q	26-103	10		50
2-Chlorophenol	74		93		25-102	23		50
2,4-Dichlorophenol	91		108		30-130	17		50
2,4-Dimethylphenol	94		114		30-130	19		50
2-Nitrophenol	80		100		30-130	22		50
4-Nitrophenol	114		**119**	Q	11-114	4		50
2,4-Dinitrophenol	43		49		4-130	13		50
4,6-Dinitro-o-cresol	46		50		10-130	8		50
Pentachlorophenol	97		103		17-109	6		50
Phenol	74		90		26-90	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
2-Methylphenol	83		100		30-130.	19		50
3-Methylphenol/4-Methylphenol	86		102		30-130	17		50
2,4,5-Trichlorophenol	110		123		30-130	11		50
Benzoic Acid	51		58			13		50
Benzyl Alcohol	75		92		40-140	20		50
Carbazole	106		110		54-128	4		50
Benzaldehyde	63		83			27		50
Caprolactam	108		115			6		50
Atrazine	117		114			3		50
2,3,4,6-Tetrachlorophenol	112		118			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		88		25-120
Phenol-d6	78		92		10-120
Nitrobenzene-d5	71		86		23-120
2-Fluorobiphenyl	85		99		30-120
2,4,6-Tribromophenol	113		114		0-136
4-Terphenyl-d14	92		94		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 19:10		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 12:15
Analytical Date:	09/17/13 23:12			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	653000		ug/kg	70700	6920	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 19:51		
Analyst:	GT		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1800	J	ug/kg	3000	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 02:03		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	254000		ug/kg	37900	3710	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 17:08		
Analyst:	GT		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 21:55		
Analyst:	AR		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	396000		ug/kg	38200	3740	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 20:31		
Analyst:	GT		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1900	J	ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 22:26		
Analyst:	AR		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	162000		ug/kg	39400	3860	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:12		
Analyst:	GT		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/17/13 23:43		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1210000		ug/kg	368000	36000	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 16:27
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636621-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	87		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636621-1 WG636621-2								
Gasoline Range Organics	115		108		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	112		111		70-130
4-Bromofluorobenzene	111		112		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 02:36	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	7.02	1	A
Aroclor 1221	ND		ug/kg	35.6	10.7	1	A
Aroclor 1232	ND		ug/kg	35.6	7.55	1	A
Aroclor 1242	ND		ug/kg	35.6	6.75	1	A
Aroclor 1248	ND		ug/kg	35.6	4.30	1	A
Aroclor 1254	ND		ug/kg	35.6	5.60	1	A
Aroclor 1260	ND		ug/kg	35.6	6.17	1	A
Aroclor 1262	ND		ug/kg	35.6	2.63	1	A
Aroclor 1268	ND		ug/kg	35.6	5.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 02:48	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	7.57	1	A
Aroclor 1221	ND		ug/kg	38.3	11.6	1	A
Aroclor 1232	ND		ug/kg	38.3	8.14	1	A
Aroclor 1242	ND		ug/kg	38.3	7.27	1	A
Aroclor 1248	ND		ug/kg	38.3	4.64	1	A
Aroclor 1254	ND		ug/kg	38.3	6.04	1	A
Aroclor 1260	12.3	J	ug/kg	38.3	6.65	1	B
Aroclor 1262	ND		ug/kg	38.3	2.83	1	A
Aroclor 1268	ND		ug/kg	38.3	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:00	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	7.67	1	A
Aroclor 1221	ND		ug/kg	38.8	11.7	1	A
Aroclor 1232	ND		ug/kg	38.8	8.25	1	A
Aroclor 1242	ND		ug/kg	38.8	7.37	1	A
Aroclor 1248	ND		ug/kg	38.8	4.70	1	A
Aroclor 1254	ND		ug/kg	38.8	6.12	1	A
Aroclor 1260	9.71	J	ug/kg	38.8	6.74	1	A
Aroclor 1262	ND		ug/kg	38.8	2.87	1	A
Aroclor 1268	ND		ug/kg	38.8	5.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:13	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	7.72	1	A
Aroclor 1221	ND		ug/kg	39.1	11.8	1	A
Aroclor 1232	ND		ug/kg	39.1	8.31	1	A
Aroclor 1242	ND		ug/kg	39.1	7.42	1	A
Aroclor 1248	ND		ug/kg	39.1	4.73	1	A
Aroclor 1254	ND		ug/kg	39.1	6.16	1	A
Aroclor 1260	ND		ug/kg	39.1	6.79	1	A
Aroclor 1262	ND		ug/kg	39.1	2.89	1	A
Aroclor 1268	ND		ug/kg	39.1	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 23:12	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	7.40	1	A
Aroclor 1221	ND		ug/kg	37.5	11.3	1	A
Aroclor 1232	ND		ug/kg	37.5	7.96	1	A
Aroclor 1242	ND		ug/kg	37.5	7.11	1	A
Aroclor 1248	ND		ug/kg	37.5	4.53	1	A
Aroclor 1254	ND		ug/kg	37.5	5.91	1	A
Aroclor 1260	ND		ug/kg	37.5	6.50	1	A
Aroclor 1262	ND		ug/kg	37.5	2.77	1	A
Aroclor 1268	ND		ug/kg	37.5	5.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318009

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 01:47
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 16:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04,06,09 Batch: WG636526-1						
Aroclor 1016	ND		ug/kg	32.6	6.44	A
Aroclor 1221	ND		ug/kg	32.6	9.84	A
Aroclor 1232	ND		ug/kg	32.6	6.93	A
Aroclor 1242	ND		ug/kg	32.6	6.19	A
Aroclor 1248	ND		ug/kg	32.6	3.94	A
Aroclor 1254	ND		ug/kg	32.6	5.14	A
Aroclor 1260	ND		ug/kg	32.6	5.66	A
Aroclor 1262	ND		ug/kg	32.6	2.41	A
Aroclor 1268	ND		ug/kg	32.6	4.73	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318009

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04,06,09 Batch: WG636526-2 WG636526-3									
Aroclor 1016	66		75		40-140	13		50	A
Aroclor 1260	58		64		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		78		30-150	B
Decachlorobiphenyl	69		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:14	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.2	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	120		30-150	A
DCAA	116		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:09		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.8	3.29	10	A
Lindane	ND		ug/kg	7.01	3.13	10	A
Alpha-BHC	ND		ug/kg	7.01	1.99	10	A
Beta-BHC	ND		ug/kg	16.8	6.38	10	A
Heptachlor	ND		ug/kg	8.41	3.77	10	A
Aldrin	ND		ug/kg	16.8	5.92	10	A
Heptachlor epoxide	ND		ug/kg	31.5	9.46	10	A
Endrin	ND		ug/kg	7.01	2.87	10	A
Endrin ketone	ND		ug/kg	16.8	4.33	10	A
Dieldrin	ND		ug/kg	10.5	5.26	10	A
4,4'-DDE	ND		ug/kg	16.8	3.89	10	A
4,4'-DDD	ND		ug/kg	16.8	6.00	10	A
4,4'-DDT	ND		ug/kg	31.5	13.5	10	A
Endosulfan I	ND		ug/kg	16.8	3.97	10	A
Endosulfan II	ND		ug/kg	16.8	5.62	10	A
Endosulfan sulfate	ND		ug/kg	7.01	3.20	10	A
Methoxychlor	ND		ug/kg	31.5	9.81	10	A
Toxaphene	ND		ug/kg	315	88.3	10	A
cis-Chlordane	ND		ug/kg	21.0	5.86	10	A
trans-Chlordane	ND		ug/kg	21.0	5.55	10	A
Chlordane	ND		ug/kg	137	55.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	126		30-150	A
Decachlorobiphenyl	**297**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:34	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.9	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	124		30-150	A
DCAA	113		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:22	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.2	3.57	10	A
Lindane	ND		ug/kg	7.59	3.39	10	A
Alpha-BHC	ND		ug/kg	7.59	2.16	10	A
Beta-BHC	ND		ug/kg	18.2	6.91	10	A
Heptachlor	ND		ug/kg	9.11	4.08	10	A
Aldrin	ND		ug/kg	18.2	6.41	10	A
Heptachlor epoxide	ND		ug/kg	34.2	10.2	10	A
Endrin	ND		ug/kg	7.59	3.11	10	A
Endrin ketone	ND		ug/kg	18.2	4.69	10	A
Dieldrin	ND		ug/kg	11.4	5.69	10	A
4,4'-DDE	ND		ug/kg	18.2	4.21	10	A
4,4'-DDD	ND		ug/kg	18.2	6.50	10	A
4,4'-DDT	ND		ug/kg	34.2	14.6	10	A
Endosulfan I	ND		ug/kg	18.2	4.30	10	A
Endosulfan II	ND		ug/kg	18.2	6.09	10	A
Endosulfan sulfate	ND		ug/kg	7.59	3.47	10	A
Methoxychlor	ND		ug/kg	34.2	10.6	10	A
Toxaphene	ND		ug/kg	342	95.6	10	A
cis-Chlordane	ND		ug/kg	22.8	6.35	10	A
trans-Chlordane	ND		ug/kg	22.8	6.01	10	A
Chlordane	ND		ug/kg	148	60.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	138		30-150	A
Decachlorobiphenyl	**270**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:54	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.8	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	48		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:35	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.06	1.77	5	A
Lindane	ND		ug/kg	3.78	1.69	5	A
Alpha-BHC	ND		ug/kg	3.78	1.07	5	A
Beta-BHC	ND		ug/kg	9.06	3.44	5	A
Heptachlor	ND		ug/kg	4.53	2.03	5	A
Aldrin	ND		ug/kg	9.06	3.19	5	A
Heptachlor epoxide	ND		ug/kg	17.0	5.10	5	A
Endrin	ND		ug/kg	3.78	1.55	5	A
Endrin ketone	ND		ug/kg	9.06	2.33	5	A
Dieldrin	ND		ug/kg	5.66	2.83	5	A
4,4'-DDE	ND		ug/kg	9.06	2.10	5	A
4,4'-DDD	ND		ug/kg	9.06	3.23	5	A
4,4'-DDT	ND		ug/kg	17.0	7.29	5	A
Endosulfan I	ND		ug/kg	9.06	2.14	5	A
Endosulfan II	ND		ug/kg	9.06	3.03	5	A
Endosulfan sulfate	ND		ug/kg	3.78	1.72	5	A
Methoxychlor	ND		ug/kg	17.0	5.28	5	A
Toxaphene	ND		ug/kg	170	47.6	5	A
cis-Chlordane	ND		ug/kg	11.3	3.16	5	A
trans-Chlordane	ND		ug/kg	11.3	2.99	5	A
Chlordane	ND		ug/kg	73.6	30.0	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	**159**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 20:13	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.9	1	A
2,4,5-T	ND		ug/kg	196	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		30-150	A
DCAA	93		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:47	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.38	1.84	5	A
Lindane	ND		ug/kg	3.91	1.75	5	A
Alpha-BHC	ND		ug/kg	3.91	1.11	5	A
Beta-BHC	ND		ug/kg	9.38	3.56	5	A
Heptachlor	ND		ug/kg	4.69	2.10	5	A
Aldrin	ND		ug/kg	9.38	3.30	5	A
Heptachlor epoxide	ND		ug/kg	17.6	5.28	5	A
Endrin	ND		ug/kg	3.91	1.60	5	A
Endrin ketone	ND		ug/kg	9.38	2.42	5	A
Dieldrin	ND		ug/kg	5.86	2.93	5	A
4,4'-DDE	ND		ug/kg	9.38	2.17	5	A
4,4'-DDD	ND		ug/kg	9.38	3.34	5	A
4,4'-DDT	ND		ug/kg	17.6	7.54	5	A
Endosulfan I	ND		ug/kg	9.38	2.22	5	A
Endosulfan II	ND		ug/kg	9.38	3.13	5	A
Endosulfan sulfate	ND		ug/kg	3.91	1.79	5	A
Methoxychlor	ND		ug/kg	17.6	5.47	5	A
Toxaphene	ND		ug/kg	176	49.2	5	A
cis-Chlordane	ND		ug/kg	11.7	3.27	5	A
trans-Chlordane	ND		ug/kg	11.7	3.10	5	A
Chlordane	ND		ug/kg	76.2	31.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	A
Decachlorobiphenyl	117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 20:33	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	22.8	1	A
2,4,5-T	ND		ug/kg	188	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 05:00	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.45	10	A
Lindane	ND		ug/kg	7.34	3.28	10	A
Alpha-BHC	ND		ug/kg	7.34	2.08	10	A
Beta-BHC	ND		ug/kg	17.6	6.68	10	A
Heptachlor	ND		ug/kg	8.81	3.95	10	A
Aldrin	ND		ug/kg	17.6	6.20	10	A
Heptachlor epoxide	ND		ug/kg	33.0	9.91	10	A
Endrin	ND		ug/kg	7.34	3.01	10	A
Endrin ketone	ND		ug/kg	17.6	4.54	10	A
Dieldrin	ND		ug/kg	11.0	5.51	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.28	10	A
4,4'-DDT	ND		ug/kg	33.0	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.16	10	A
Endosulfan II	ND		ug/kg	17.6	5.89	10	A
Endosulfan sulfate	ND		ug/kg	7.34	3.36	10	A
Methoxychlor	ND		ug/kg	33.0	10.3	10	A
Toxaphene	ND		ug/kg	330	92.5	10	A
cis-Chlordane	ND		ug/kg	22.0	6.14	10	A
trans-Chlordane	ND		ug/kg	22.0	5.82	10	A
Chlordane	ND		ug/kg	143	58.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	**204**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	135		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 15:35
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 15:51

Methylation Date: 09/16/13 00:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG635979-1						
2,4-D	ND		ug/kg	166	20.2	A
2,4,5-T	ND		ug/kg	166	10.4	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/13 02:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/13/13 17:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636012-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.957	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.292	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.91	0.534	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG635979-2 WG635979-3									
2,4-D	**155**	Q	130		30-150	18		30	A
2,4,5-T	116		106		30-150	9		30	A
2,4,5-TP (Silvex)	118		109		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		107		30-150	A
DCAA	122		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636012-2 WG636012-3									
Delta-BHC	77		70		30-150	10		30	A
Lindane	79		71		30-150	11		30	A
Alpha-BHC	76		68		30-150	11		30	A
Beta-BHC	82		75		30-150	9		30	A
Heptachlor	81		73		30-150	10		30	A
Aldrin	81		74		30-150	9		30	A
Heptachlor epoxide	72		66		30-150	9		30	A
Endrin	87		80		30-150	8		30	A
Endrin ketone	67		61		30-150	9		30	A
Dieldrin	78		71		30-150	9		30	A
4,4'-DDE	75		68		30-150	10		30	A
4,4'-DDD	78		71		30-150	9		30	A
4,4'-DDT	81		74		30-150	9		30	A
Endosulfan I	77		71		30-150	8		30	A
Endosulfan II	67		62		30-150	8		30	A
Endosulfan sulfate	64		59		30-150	8		30	A
Methoxychlor	76		70		30-150	8		30	A
cis-Chlordane	75		72		30-150	4		30	A
trans-Chlordane	76		70		30-150	8		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636012-2 WG636012-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		71		30-150	A
Decachlorobiphenyl	107		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		63		30-150	B
Decachlorobiphenyl	119		106		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Barium, TCLP	0.21	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Lead, TCLP	0.35	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:22	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02
Client ID: G2_COMP-01_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	8.4	1.7	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Antimony, Total	1.7	J	mg/kg	4.2	0.67	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Arsenic, Total	39		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Barium, Total	86		mg/kg	0.84	0.25	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.42	0.08	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Cadmium, Total	0.74	J	mg/kg	0.84	0.06	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Calcium, Total	21000		mg/kg	8.4	2.5	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Cobalt, Total	10		mg/kg	1.7	0.42	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Copper, Total	81		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.2	1.7	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	4.2	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Magnesium, Total	2800		mg/kg	8.4	0.84	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Mercury, Total	0.54		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:52	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.1	0.33	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Potassium, Total	990		mg/kg	210	33.	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Selenium, Total	1.4	J	mg/kg	1.7	0.25	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Sodium, Total	180		mg/kg	170	25.	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.33	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Vanadium, Total	20		mg/kg	0.84	0.08	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Zinc, Total	160		mg/kg	4.2	0.58	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Barium, TCLP	0.66		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Lead, TCLP	0.43	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:24	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	9.2	1.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Antimony, Total	2.0	J	mg/kg	4.6	0.74	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Arsenic, Total	14		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.92	0.28	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Beryllium, Total	0.38	J	mg/kg	0.46	0.09	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Cadmium, Total	0.92		mg/kg	0.92	0.06	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Calcium, Total	14000		mg/kg	9.2	2.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Cobalt, Total	7.6		mg/kg	1.8	0.46	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Copper, Total	86		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Iron, Total	21000		mg/kg	4.6	1.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Lead, Total	220		mg/kg	4.6	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Magnesium, Total	5000		mg/kg	9.2	0.92	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Manganese, Total	280		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Mercury, Total	0.46		mg/kg	0.10	0.02	1	09/18/13 08:30	09/18/13 12:54	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.3	0.37	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Potassium, Total	770		mg/kg	230	37.	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Selenium, Total	0.91	J	mg/kg	1.8	0.28	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	180	28.	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Vanadium, Total	29		mg/kg	0.92	0.09	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Zinc, Total	230		mg/kg	4.6	0.64	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Barium, TCLP	0.53		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Lead, TCLP	0.18	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:26	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06
Client ID: G1_COMP-04S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7400		mg/kg	9.4	1.9	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Antimony, Total	5.8		mg/kg	4.7	0.75	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Arsenic, Total	17		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Barium, Total	210		mg/kg	0.94	0.28	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Beryllium, Total	0.69		mg/kg	0.47	0.09	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Cadmium, Total	1.0		mg/kg	0.94	0.07	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Calcium, Total	34000		mg/kg	9.4	2.8	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Chromium, Total	31		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Cobalt, Total	59		mg/kg	1.9	0.47	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Copper, Total	300		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Iron, Total	24000		mg/kg	4.7	1.9	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Lead, Total	640		mg/kg	4.7	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Magnesium, Total	3700		mg/kg	9.4	0.94	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Mercury, Total	0.21		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:56	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.3	0.37	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Potassium, Total	790		mg/kg	230	37.	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Selenium, Total	0.50	J	mg/kg	1.9	0.28	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Sodium, Total	520		mg/kg	190	28.	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.37	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Vanadium, Total	28		mg/kg	0.94	0.09	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	4.7	0.66	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Barium, TCLP	0.44	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.02	J	mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Lead, TCLP	0.10	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:28	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09
Client ID: G1_COMP-03D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	9.4	1.9	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Antimony, Total	2.8	J	mg/kg	4.7	0.75	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Arsenic, Total	34		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Barium, Total	87		mg/kg	0.94	0.28	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Beryllium, Total	0.45	J	mg/kg	0.47	0.09	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Cadmium, Total	2.2		mg/kg	0.94	0.07	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Calcium, Total	20000		mg/kg	9.4	2.8	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Cobalt, Total	15		mg/kg	1.9	0.47	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Copper, Total	170		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Iron, Total	42000		mg/kg	4.7	1.9	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Lead, Total	330		mg/kg	4.7	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Magnesium, Total	2400		mg/kg	9.4	0.94	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Manganese, Total	240		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Mercury, Total	1.0		mg/kg	0.09	0.02	1	09/18/13 08:30	09/18/13 12:57	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.4	0.38	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Potassium, Total	630		mg/kg	240	38.	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Selenium, Total	3.4		mg/kg	1.9	0.28	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Sodium, Total	480		mg/kg	190	28.	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Vanadium, Total	18		mg/kg	0.94	0.09	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Zinc, Total	240		mg/kg	4.7	0.66	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Barium, TCLP	0.39	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Lead, TCLP	0.04	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:30	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10 Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6900		mg/kg	8.6	1.7	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Antimony, Total	3.4	J	mg/kg	4.3	0.69	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Arsenic, Total	9.4		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Barium, Total	180		mg/kg	0.86	0.26	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Beryllium, Total	7.8		mg/kg	0.43	0.09	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Cadmium, Total	1.2		mg/kg	0.86	0.06	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Calcium, Total	110000		mg/kg	43	13.	10	09/17/13 09:20	09/19/13 09:16	EPA 3050B	1,6010C	MG
Chromium, Total	57		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Cobalt, Total	25		mg/kg	1.7	0.43	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Copper, Total	500		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Iron, Total	25000		mg/kg	4.3	1.7	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Lead, Total	410		mg/kg	4.3	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Magnesium, Total	7000		mg/kg	8.6	0.86	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Manganese, Total	850		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Mercury, Total	0.34		mg/kg	0.09	0.02	1	09/18/13 08:30	09/18/13 12:59	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.2	0.34	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Potassium, Total	810		mg/kg	220	34.	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Silver, Total	0.17	J	mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Sodium, Total	760		mg/kg	170	26.	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.86	0.09	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Zinc, Total	2500		mg/kg	22	3.0	10	09/17/13 09:20	09/19/13 09:16	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636660-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Copper, Total	0.18	J	mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636745-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:17	1,7471B	MC

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG637081-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636660-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	89		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	102		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	95		-		80-120	-		
Magnesium, Total	88		-		74-126	-		
Manganese, Total	102		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	92		-		74-127	-		
Thallium, Total	101		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636660-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636745-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG637081-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-4 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5												
Aluminum, Total	6700	173	7200	**289**	Q	-	-		75-125	-		35
Antimony, Total	1.7J	43.2	43	99		-	-		75-125	-		35
Arsenic, Total	39.	10.4	57	**173**	Q	-	-		75-125	-		35
Barium, Total	86.	173	260	100		-	-		75-125	-		35
Beryllium, Total	0.41J	4.32	4.6	106		-	-		75-125	-		35
Cadmium, Total	0.74J	4.41	5.0	113		-	-		75-125	-		35
Calcium, Total	21000	865	12000	**0**	Q	-	-		75-125	-		35
Chromium, Total	16.	17.3	33	98		-	-		75-125	-		35
Cobalt, Total	10.	43.2	53	99		-	-		75-125	-		35
Copper, Total	81.	21.6	140	**273**	Q	-	-		75-125	-		35
Iron, Total	20000	86.5	24000	**4620**	Q	-	-		75-125	-		35
Lead, Total	140	44.1	250	**249**	Q	-	-		75-125	-		35
Magnesium, Total	2800	865	2800	**0**	Q	-	-		75-125	-		35
Manganese, Total	180	43.2	210	**69**	Q	-	-		75-125	-		35
Nickel, Total	23.	43.2	60	86		-	-		75-125	-		35
Potassium, Total	990	865	1800	94		-	-		75-125	-		35
Selenium, Total	1.4J	10.4	12	116		-	-		75-125	-		35
Silver, Total	ND	26	26	100		-	-		75-125	-		35
Sodium, Total	180	865	1000	95		-	-		75-125	-		35
Thallium, Total	ND	10.4	8.7	84		-	-		75-125	-		35
Vanadium, Total	20.	43.2	62	97		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-4 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5									
Zinc, Total	160	43.2	210	116	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636745-4 QC Sample: L1317416-03 Client ID: MS Sample									
Mercury, Total	ND	0.2	0.15	75	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0246	98	-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637081-4 QC Sample: L1318237-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.2	100	-	-	75-125	-	20
Barium, TCLP	0.46J	20	21	105	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106	-	-	75-125	-	20
Chromium, TCLP	0.03J	2	2.0	100	-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
Aluminum, Total	6700	6000	mg/kg	11		35
Antimony, Total	1.7J	1.5J	mg/kg	NC		35
Arsenic, Total	39.	34	mg/kg	14		35
Barium, Total	86.	88	mg/kg	2		35
Beryllium, Total	0.41J	0.44	mg/kg	NC		35
Cadmium, Total	0.74J	0.76J	mg/kg	NC		35
Calcium, Total	21000	13000	mg/kg	**47**	Q	35
Chromium, Total	16.	14	mg/kg	13		35
Cobalt, Total	10.	12	mg/kg	18		35
Copper, Total	81.	78	mg/kg	4		35
Iron, Total	20000	20000	mg/kg	0		35
Lead, Total	140	150	mg/kg	7		35
Magnesium, Total	2800	2200	mg/kg	24		35
Manganese, Total	180	170	mg/kg	6		35
Nickel, Total	23.	22	mg/kg	4		35
Potassium, Total	990	1000	mg/kg	1		35
Selenium, Total	1.4J	1.5J	mg/kg	NC		35
Silver, Total	ND	0.17J	mg/kg	NC		35
Sodium, Total	180	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	20.	17	mg/kg	16	35
Zinc, Total	160	170	mg/kg	6	35
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636745-3 QC Sample: L1317416-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637081-3 QC Sample: L1318237-01 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-01
Client ID: G2_SB-01B_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02
Client ID: G2_COMP-01_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.89	0.89	1	-	09/19/13 11:30	107,-	JO
Solids, Total	90.1		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:27	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.42	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:08	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/18/13 10:00	1,9095A	ST

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03
Client ID: G1_SB-04A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.95	0.95	1	-	09/19/13 11:30	107,-	JO
Solids, Total	84.5		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:28	1,9010C/9012A	JO
pH (H)	7.9		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.65	J	mg/kg	0.95	0.21	1	09/13/13 19:30	09/15/13 20:09	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05
Client ID: G1_SB-04A_2-2.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06
Client ID: G1_COMP-04S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	31		mg/kg	0.96	0.96	1	-	09/19/13 11:30	107,-	JO
Solids, Total	83.5		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:29	1,9010C/9012A	JO
pH (H)	9.4		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.71	J	mg/kg	0.96	0.22	1	09/13/13 19:30	09/15/13 20:10	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-07
Client ID: G1_SB-03B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08
Client ID: G1_SB-03B_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.3		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09
Client ID: G1_COMP-03D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	0.96	0.96	1	-	09/19/13 11:30	107,-	JO
Solids, Total	82.9		%	0.100	NA	1	-	09/17/13 22:28	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	09/16/13 10:50	09/16/13 15:13	1,9010C/9012A	JO
pH (H)	8.0		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.39	J	mg/kg	0.96	0.22	1	09/13/13 19:30	09/15/13 20:11	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10
Client ID: G1_COMP-03S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	57		mg/kg	0.91	0.91	1	-	09/19/13 11:30	107,-	JO
Solids, Total	88.2		%	0.100	NA	1	-	09/17/13 22:28	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/16/13 10:50	09/16/13 15:13	1,9010C/9012A	JO
pH (H)	8.4		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.68	J	mg/kg	0.91	0.20	1	09/13/13 19:30	09/15/13 20:12	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636073-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/13/13 19:30	09/15/13 19:53	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636222-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	09/15/13 12:30	09/16/13 13:22	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 09-10 Batch: WG636339-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	09/16/13 10:50	09/16/13 15:03	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636007-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636073-2								
Chromium, Hexavalent	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636222-4 WG636222-5								
Cyanide, Total	99		100		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 09-10 Batch: WG636339-2 WG636339-3								
Cyanide, Total	98		96		80-120	2		35
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636073-5 QC Sample: L1318001-02 Client ID: MS Sample												
Chromium, Hexavalent	0.74J	1440	1200	84		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636222-3 WG636222-2 QC Sample: L1318024-02 Client ID: MS Sample												
Cyanide, Total	ND	14	14	100		13	96		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG636339-4 WG636339-5 QC Sample: L1318149-02 Client ID: MS Sample												
Cyanide, Total	ND	10	10	99		9.9	98		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636007-2 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
pH (H)	8.2	8.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636073-4 QC Sample: L1318001-02 Client ID: DUP Sample						
Chromium, Hexavalent	0.74J	0.55J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG636230-1 QC Sample: L1318018-31 Client ID: DUP Sample						
Solids, Total	88.3	87.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG636930-1 QC Sample: L1318009-09 Client ID: G1_COMP-03D_5-10						
Solids, Total	82.9	83.3	%	0		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/13/2013 11:48

Cooler Information	Custody Seal
Cooler	
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-01A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-02A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-02B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-02C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-02E	Amber 120ml unpreserved	B	N/A	6	Y	Absent	PAINTF()
L1318009-02X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-03A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-04A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-04B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-04C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-04X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-05A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-06A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-06B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-06C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-06X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-07A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-08A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-09A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-09B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-09C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-09X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-10A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-10B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-10C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-10X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

Container Comments

L1318009-09B

L1318009-10B

L1318009-10C

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318009
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318009

Client Information

Client: Langan, D.P.C.

Address: 360 W. 31st St, 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 20139103

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, Tri Chrom, TCLP Metals, RCRA 3 Char	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	Paint Filter	Sample Specific Comments	Total # Bottles
18009-01	G2SB-1B (2.5-3)	9/12/13	12:45	soil	NB	X	X	X					4
-02	G2_Comp.-01_0-5	9/12/13	12:45	soil	NB		X		X	X	X		4
-03	G1SB-04A (9-9.5)	9/12/13	14:30	soil	NB	X	X	X					4
-04	G1_Comp_04D_5-10	9/12/13	14:30	soil	NB		X		X	X			3
-05	G1SB-04A (2-2.5)	9/12/13	14:30	soil	NB	X	X	X					4
-06	G1_Comp_04S_0-5		14:30		NB		X		X	X			3
-07	G1SB-03B (4-4.5)		15:40		NB	X	X	X					4
-08	G1SB-03B (9-9.5)		15:40		NB	X	X	X					4
-09	G1_Comp-03D_5-10		15:40		NB		X		X	X			3
-10	G1_Comp-03S_0-5		15:40		NB		X		X	X			3

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

Container Type

Preservative

Cooler B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9/12/13 1710
[signature]		[signature]	9/13/13 0900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318158
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/25/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318158-01	G1_SB-05B_8-8.5	BROOKLYN, NY	09/12/13 17:00
L1318158-02	G1_SB-05B_3-3.5	BROOKLYN, NY	09/12/13 17:00
L1318158-03	G1_COMP-05D_5-10	BROOKLYN, NY	09/12/13 17:00
L1318158-04	G1_COMP-05S_0-5	BROOKLYN, NY	09/12/13 17:00
L1318158-05	G1_SB-06A_3-3.5	BROOKLYN, NY	09/13/13 08:55
L1318158-06	G1_SB-06A_7-7.5	BROOKLYN, NY	09/13/13 09:00
L1318158-07	G1_COMP-06S_0-5	BROOKLYN, NY	09/13/13 09:05
L1318158-08	G1_COMP-06D_5-10	BROOKLYN, NY	09/13/13 09:10
L1318158-09	G1_SB-04B_4-4.5	BROOKLYN, NY	09/13/13 10:25
L1318158-10	G1_SB-04A_9-9.5	BROOKLYN, NY	09/13/13 10:30
L1318158-11	G1_COMP-01D_5-10	BROOKLYN, NY	09/13/13 10:50
L1318158-12	G1_COMP-01S_0-5	BROOKLYN, NY	09/13/13 10:45
L1318158-13	G1_DUP_091313_4-4.5	BROOKLYN, NY	09/13/13 11:15
L1318158-14	G1_COMP-DUP_091313_S	BROOKLYN, NY	09/13/13 11:20
L1318158-15	TB03_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318158
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1318158-05 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.
L1318158-06 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1318158-14 has elevated detection limits due to the dilution required by the sample matrix.

Organochlorine Pesticides

L1318158-03, -04, -07, -08, -11, -12, and -14 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318158-03, -04, -07, -08, -11, -12, and -14 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.
The WG637358-4 MS recoveries, performed on L1318158-03, are outside the acceptance criteria for arsenic (136%) and thallium (69%). A post digestion spike was performed with acceptable recoveries for arsenic (98%) and thallium (80%).
The WG637358-4 MS recoveries for aluminum (818%), calcium (436%), copper (392%), iron (0%), lead (1820%), magnesium (185%), manganese (0%), and zinc (0%), performed on L1318158-03, do not apply because the sample concentrations are greater than four times the spike amount added.
The WG637778-4 MS recovery, performed on L1318158-03, is below the acceptance criteria for mercury

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

(26%). A post digestion spike was performed with an acceptable recovery of 102%.

The WG637358-3 Laboratory Duplicate RPDs, performed on L1318158-03, are outside the acceptance criteria for arsenic (50%), beryllium (53%), cadmium (37%), chromium (61%), copper (58%), lead (49%), sodium (50%), and zinc (67%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-01	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 11:41		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.23	1
Chloroform	ND		ug/kg	2.0	0.49	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.40	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.6	0.60	1
Bromoform	ND		ug/kg	5.3	0.55	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.6	1.0	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.32	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-01 Date Collected: 09/12/13 17:00

Client ID: G1_SB-05B_8-8.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.6	0.14	1
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.6	0.41	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	7.8	J	ug/kg	13	4.1	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.47	1
Vinyl acetate	ND		ug/kg	13	0.63	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.3	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Bromobenzene	ND		ug/kg	6.6	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.6	0.74	1
o-Chlorotoluene	ND		ug/kg	6.6	0.21	1
p-Chlorotoluene	ND		ug/kg	6.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.56	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.6	1.0	1
Acrylonitrile	ND		ug/kg	13	0.31	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	0.75	1
Methyl Acetate	ND		ug/kg	26	1.0	1
Cyclohexane	ND		ug/kg	26	1.4	1
1,4-Dioxane	ND		ug/kg	130	23.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-01	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	26	0.36	1
p-Diethylbenzene	ND		ug/kg	5.3	0.21	1
p-Ethyltoluene	ND		ug/kg	5.3	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.3	0.17	1
Ethyl ether	ND		ug/kg	6.6	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	0.59	1
Methyl cyclohexane	ND		ug/kg	5.3	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-02	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:05		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	920	180	1
1,1-Dichloroethane	ND		ug/kg	140	16.	1
Chloroform	ND		ug/kg	140	34.	1
Carbon tetrachloride	ND		ug/kg	92	19.	1
1,2-Dichloropropane	ND		ug/kg	320	21.	1
Dibromochloromethane	ND		ug/kg	92	28.	1
1,1,2-Trichloroethane	ND		ug/kg	140	28.	1
Tetrachloroethene	ND		ug/kg	92	13.	1
Chlorobenzene	ND		ug/kg	92	32.	1
Trichlorofluoromethane	ND		ug/kg	460	11.	1
1,2-Dichloroethane	ND		ug/kg	92	13.	1
1,1,1-Trichloroethane	ND		ug/kg	92	10.	1
Bromodichloromethane	ND		ug/kg	92	21.	1
trans-1,3-Dichloropropene	ND		ug/kg	92	11.	1
cis-1,3-Dichloropropene	ND		ug/kg	92	12.	1
1,1-Dichloropropene	ND		ug/kg	460	42.	1
Bromoform	ND		ug/kg	370	38.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	92	16.	1
Benzene	210		ug/kg	92	11.	1
Toluene	430		ug/kg	140	10.	1
Ethylbenzene	90	J	ug/kg	92	14.	1
Chloromethane	ND		ug/kg	460	72.	1
Bromomethane	ND		ug/kg	180	31.	1
Vinyl chloride	ND		ug/kg	180	13.	1
Chloroethane	ND		ug/kg	180	29.	1
1,1-Dichloroethene	ND		ug/kg	92	19.	1
trans-1,2-Dichloroethene	ND		ug/kg	140	19.	1
Trichloroethene	ND		ug/kg	92	14.	1
1,2-Dichlorobenzene	ND		ug/kg	460	17.	1
1,3-Dichlorobenzene	ND		ug/kg	460	17.	1
1,4-Dichlorobenzene	ND		ug/kg	460	22.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-02 Date Collected: 09/12/13 17:00

Client ID: G1_SB-05B_3-3.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	180	9.6	1
p/m-Xylene	410		ug/kg	180	30.	1
o-Xylene	180		ug/kg	180	25.	1
cis-1,2-Dichloroethene	ND		ug/kg	92	14.	1
Dibromomethane	ND		ug/kg	920	15.	1
Styrene	ND		ug/kg	180	28.	1
Dichlorodifluoromethane	ND		ug/kg	920	20.	1
Acetone	ND		ug/kg	920	280	1
Carbon disulfide	ND		ug/kg	920	180	1
2-Butanone	ND		ug/kg	920	33.	1
Vinyl acetate	ND		ug/kg	920	44.	1
4-Methyl-2-pentanone	ND		ug/kg	920	22.	1
1,2,3-Trichloropropane	ND		ug/kg	920	21.	1
2-Hexanone	ND		ug/kg	920	17.	1
Bromochloromethane	ND		ug/kg	460	18.	1
2,2-Dichloropropane	ND		ug/kg	460	21.	1
1,2-Dibromoethane	ND		ug/kg	370	16.	1
1,3-Dichloropropane	ND		ug/kg	460	16.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	92	29.	1
Bromobenzene	ND		ug/kg	460	19.	1
n-Butylbenzene	ND		ug/kg	92	18.	1
sec-Butylbenzene	ND		ug/kg	92	19.	1
tert-Butylbenzene	ND		ug/kg	460	52.	1
o-Chlorotoluene	ND		ug/kg	460	15.	1
p-Chlorotoluene	ND		ug/kg	460	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	460	73.	1
Hexachlorobutadiene	ND		ug/kg	460	39.	1
Isopropylbenzene	27	J	ug/kg	92	15.	1
p-Isopropyltoluene	23	J	ug/kg	92	18.	1
Naphthalene	330	J	ug/kg	460	71.	1
Acrylonitrile	ND		ug/kg	920	22.	1
n-Propylbenzene	32	J	ug/kg	92	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	460	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	460	73.	1
1,3,5-Trimethylbenzene	160	J	ug/kg	460	13.	1
1,2,4-Trimethylbenzene	240	J	ug/kg	460	53.	1
Methyl Acetate	300	J	ug/kg	1800	70.	1
Cyclohexane	350	J	ug/kg	1800	99.	1
1,4-Dioxane	ND		ug/kg	9200	1600	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-02	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1800	25.	1
p-Diethylbenzene	ND		ug/kg	370	15.	1
p-Ethyltoluene	140	J	ug/kg	370	11.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	370	12.	1
Ethyl ether	ND		ug/kg	460	24.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	460	41.	1
Methyl cyclohexane	1200		ug/kg	370	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-05	Date Collected:	09/13/13 08:55
Client ID:	G1_SB-06A_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 19:59		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.2	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.29	1
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.7	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.49	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.56	1
Trichlorofluoromethane	ND		ug/kg	8.1	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.1	0.74	1
Bromoform	ND		ug/kg	6.5	0.67	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	0.65	J	ug/kg	2.4	0.18	1
Ethylbenzene	1.1	J	ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.1	1.3	1
Bromomethane	ND		ug/kg	3.2	0.55	1
Vinyl chloride	ND		ug/kg	3.2	0.23	1
Chloroethane	ND		ug/kg	3.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.1	0.39	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05 Date Collected: 09/13/13 08:55

Client ID: G1_SB-06A_3-3.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.2	0.17	1
p/m-Xylene	4.2		ug/kg	3.2	0.52	1
o-Xylene	3.4		ug/kg	3.2	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	1.3	J	ug/kg	3.2	0.50	1
Dichlorodifluoromethane	ND		ug/kg	16	0.35	1
Acetone	32		ug/kg	16	5.0	1
Carbon disulfide	ND		ug/kg	16	3.2	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.36	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	8.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.1	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.5	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.1	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.1	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.33	1
tert-Butylbenzene	ND		ug/kg	8.1	0.91	1
o-Chlorotoluene	ND		ug/kg	8.1	0.26	1
p-Chlorotoluene	ND		ug/kg	8.1	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.1	0.68	1
Isopropylbenzene	0.59	J	ug/kg	1.6	0.27	1
p-Isopropyltoluene	28		ug/kg	1.6	0.31	1
Naphthalene	6600	E	ug/kg	8.1	1.2	1
Acrylonitrile	ND		ug/kg	16	0.38	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.1	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.1	1.3	1
1,3,5-Trimethylbenzene	8.2		ug/kg	8.1	0.23	1
1,2,4-Trimethylbenzene	17		ug/kg	8.1	0.93	1
Methyl Acetate	ND		ug/kg	32	1.2	1
Cyclohexane	ND		ug/kg	32	1.7	1
1,4-Dioxane	ND		ug/kg	160	28.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-05	Date Collected:	09/13/13 08:55
Client ID:	G1_SB-06A_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	32	0.44	1
p-Diethylbenzene	11		ug/kg	6.5	0.26	1
p-Ethyltoluene	7.2		ug/kg	6.5	0.19	1
1,2,4,5-Tetramethylbenzene	3.5	J	ug/kg	6.5	0.21	1
Ethyl ether	ND		ug/kg	8.1	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.1	0.73	1
Methyl cyclohexane	ND		ug/kg	6.5	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-05	D	Date Collected:	09/13/13 08:55
Client ID:	G1_SB-06A_3-3.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 14:57			
Analyst:	BN			
Percent Solids:	79%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	3800	J	ug/kg	5600	1100	5
1,1-Dichloroethane	ND		ug/kg	840	100	5
Chloroform	ND		ug/kg	840	210	5
Carbon tetrachloride	ND		ug/kg	560	120	5
1,2-Dichloropropane	ND		ug/kg	2000	130	5
Dibromochloromethane	ND		ug/kg	560	170	5
1,1,2-Trichloroethane	ND		ug/kg	840	170	5
Tetrachloroethene	ND		ug/kg	560	79.	5
Chlorobenzene	ND		ug/kg	560	190	5
Trichlorofluoromethane	ND		ug/kg	2800	68.	5
1,2-Dichloroethane	ND		ug/kg	560	82.	5
1,1,1-Trichloroethane	ND		ug/kg	560	62.	5
Bromodichloromethane	ND		ug/kg	560	130	5
trans-1,3-Dichloropropene	ND		ug/kg	560	68.	5
cis-1,3-Dichloropropene	ND		ug/kg	560	71.	5
1,1-Dichloropropene	ND		ug/kg	2800	260	5
Bromoform	ND		ug/kg	2200	230	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	560	96.	5
Benzene	ND		ug/kg	560	66.	5
Toluene	180	J	ug/kg	840	63.	5
Ethylbenzene	ND		ug/kg	560	83.	5
Chloromethane	ND		ug/kg	2800	440	5
Bromomethane	ND		ug/kg	1100	190	5
Vinyl chloride	ND		ug/kg	1100	79.	5
Chloroethane	ND		ug/kg	1100	180	5
1,1-Dichloroethene	ND		ug/kg	560	120	5
trans-1,2-Dichloroethene	ND		ug/kg	840	120	5
Trichloroethene	ND		ug/kg	560	85.	5
1,2-Dichlorobenzene	ND		ug/kg	2800	100	5
1,3-Dichlorobenzene	ND		ug/kg	2800	100	5
1,4-Dichlorobenzene	ND		ug/kg	2800	140	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05 D Date Collected: 09/13/13 08:55

Client ID: G1_SB-06A_3-3.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1100	58.	5
p/m-Xylene	210	J	ug/kg	1100	180	5
o-Xylene	ND		ug/kg	1100	150	5
cis-1,2-Dichloroethene	ND		ug/kg	560	84.	5
Dibromomethane	ND		ug/kg	5600	92.	5
Styrene	ND		ug/kg	1100	170	5
Dichlorodifluoromethane	ND		ug/kg	5600	120	5
Acetone	ND		ug/kg	5600	1700	5
Carbon disulfide	ND		ug/kg	5600	1100	5
2-Butanone	ND		ug/kg	5600	200	5
Vinyl acetate	ND		ug/kg	5600	270	5
4-Methyl-2-pentanone	ND		ug/kg	5600	140	5
1,2,3-Trichloropropane	ND		ug/kg	5600	130	5
2-Hexanone	ND		ug/kg	5600	100	5
Bromochloromethane	ND		ug/kg	2800	110	5
2,2-Dichloropropane	ND		ug/kg	2800	130	5
1,2-Dibromoethane	ND		ug/kg	2200	100	5
1,3-Dichloropropane	ND		ug/kg	2800	97.	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	560	180	5
Bromobenzene	ND		ug/kg	2800	120	5
n-Butylbenzene	ND		ug/kg	560	110	5
sec-Butylbenzene	ND		ug/kg	560	120	5
tert-Butylbenzene	ND		ug/kg	2800	310	5
o-Chlorotoluene	ND		ug/kg	2800	90.	5
p-Chlorotoluene	ND		ug/kg	2800	86.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	2800	440	5
Hexachlorobutadiene	ND		ug/kg	2800	240	5
Isopropylbenzene	ND		ug/kg	560	94.	5
p-Isopropyltoluene	160	J	ug/kg	560	110	5
Naphthalene	100000		ug/kg	2800	430	5
Acrylonitrile	ND		ug/kg	5600	130	5
n-Propylbenzene	ND		ug/kg	560	70.	5
1,2,3-Trichlorobenzene	ND		ug/kg	2800	94.	5
1,2,4-Trichlorobenzene	ND		ug/kg	2800	440	5
1,3,5-Trimethylbenzene	ND		ug/kg	2800	80.	5
1,2,4-Trimethylbenzene	ND		ug/kg	2800	320	5
Methyl Acetate	ND		ug/kg	11000	430	5
Cyclohexane	ND		ug/kg	11000	600	5
1,4-Dioxane	ND		ug/kg	56000	9800	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05 D
Client ID: G1_SB-06A_3-3.5
Sample Location: BROOKLYN, NY

Date Collected: 09/13/13 08:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Freon-113	ND		ug/kg	11000	150	5
p-Diethylbenzene	ND		ug/kg	2200	90.	5
p-Ethyltoluene	120	J	ug/kg	2200	66.	5
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2200	73.	5
Ethyl ether	ND		ug/kg	2800	150	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	2800	250	5
Methyl cyclohexane	ND		ug/kg	2200	710	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-06	D	Date Collected:	09/13/13 09:00
Client ID:	G1_SB-06A_7-7.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 13:33			
Analyst:	BN			
Percent Solids:	64%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	28000	5600	25
1,1-Dichloroethane	ND		ug/kg	4200	500	25
Chloroform	ND		ug/kg	4200	1000	25
Carbon tetrachloride	ND		ug/kg	2800	590	25
1,2-Dichloropropane	ND		ug/kg	9900	640	25
Dibromochloromethane	ND		ug/kg	2800	870	25
1,1,2-Trichloroethane	ND		ug/kg	4200	860	25
Tetrachloroethene	ND		ug/kg	2800	400	25
Chlorobenzene	ND		ug/kg	2800	980	25
Trichlorofluoromethane	ND		ug/kg	14000	340	25
1,2-Dichloroethane	ND		ug/kg	2800	410	25
1,1,1-Trichloroethane	ND		ug/kg	2800	310	25
Bromodichloromethane	ND		ug/kg	2800	650	25
trans-1,3-Dichloropropene	ND		ug/kg	2800	340	25
cis-1,3-Dichloropropene	ND		ug/kg	2800	360	25
1,1-Dichloropropene	ND		ug/kg	14000	1300	25
Bromoform	ND		ug/kg	11000	1200	25
1,1,2,2-Tetrachloroethane	ND		ug/kg	2800	480	25
Benzene	ND		ug/kg	2800	330	25
Toluene	770	J	ug/kg	4200	320	25
Ethylbenzene	ND		ug/kg	2800	420	25
Chloromethane	ND		ug/kg	14000	2200	25
Bromomethane	ND		ug/kg	5600	960	25
Vinyl chloride	ND		ug/kg	5600	400	25
Chloroethane	ND		ug/kg	5600	890	25
1,1-Dichloroethene	ND		ug/kg	2800	580	25
trans-1,2-Dichloroethene	ND		ug/kg	4200	600	25
Trichloroethene	ND		ug/kg	2800	430	25
1,2-Dichlorobenzene	ND		ug/kg	14000	520	25
1,3-Dichlorobenzene	ND		ug/kg	14000	520	25
1,4-Dichlorobenzene	ND		ug/kg	14000	680	25

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-06 D Date Collected: 09/13/13 09:00

Client ID: G1_SB-06A_7-7.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5600	290	25
p/m-Xylene	ND		ug/kg	5600	910	25
o-Xylene	ND		ug/kg	5600	760	25
cis-1,2-Dichloroethene	ND		ug/kg	2800	420	25
Dibromomethane	ND		ug/kg	28000	460	25
Styrene	ND		ug/kg	5600	870	25
Dichlorodifluoromethane	ND		ug/kg	28000	620	25
Acetone	ND		ug/kg	28000	8800	25
Carbon disulfide	ND		ug/kg	28000	5600	25
2-Butanone	ND		ug/kg	28000	1000	25
Vinyl acetate	ND		ug/kg	28000	1400	25
4-Methyl-2-pentanone	ND		ug/kg	28000	690	25
1,2,3-Trichloropropane	ND		ug/kg	28000	640	25
2-Hexanone	ND		ug/kg	28000	530	25
Bromochloromethane	ND		ug/kg	14000	560	25
2,2-Dichloropropane	ND		ug/kg	14000	640	25
1,2-Dibromoethane	ND		ug/kg	11000	500	25
1,3-Dichloropropane	ND		ug/kg	14000	490	25
1,1,1,2-Tetrachloroethane	ND		ug/kg	2800	900	25
Bromobenzene	ND		ug/kg	14000	590	25
n-Butylbenzene	ND		ug/kg	2800	560	25
sec-Butylbenzene	ND		ug/kg	2800	580	25
tert-Butylbenzene	ND		ug/kg	14000	1600	25
o-Chlorotoluene	ND		ug/kg	14000	450	25
p-Chlorotoluene	ND		ug/kg	14000	430	25
1,2-Dibromo-3-chloropropane	ND		ug/kg	14000	2200	25
Hexachlorobutadiene	ND		ug/kg	14000	1200	25
Isopropylbenzene	ND		ug/kg	2800	470	25
p-Isopropyltoluene	73000		ug/kg	2800	540	25
Naphthalene	ND		ug/kg	14000	2200	25
Acrylonitrile	ND		ug/kg	28000	670	25
n-Propylbenzene	ND		ug/kg	2800	360	25
1,2,3-Trichlorobenzene	ND		ug/kg	14000	470	25
1,2,4-Trichlorobenzene	ND		ug/kg	14000	2200	25
1,3,5-Trimethylbenzene	ND		ug/kg	14000	400	25
1,2,4-Trimethylbenzene	ND		ug/kg	14000	1600	25
Methyl Acetate	ND		ug/kg	56000	2200	25
Cyclohexane	ND		ug/kg	56000	3000	25
1,4-Dioxane	ND		ug/kg	280000	49000	25

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-06	D	Date Collected:	09/13/13 09:00
Client ID:	G1_SB-06A_7-7.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	56000	770	25
p-Diethylbenzene	ND		ug/kg	11000	450	25
p-Ethyltoluene	ND		ug/kg	11000	330	25
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11000	370	25
Ethyl ether	ND		ug/kg	14000	750	25
trans-1,4-Dichloro-2-butene	ND		ug/kg	14000	1300	25
Methyl cyclohexane	ND		ug/kg	11000	3600	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-09	Date Collected:	09/13/13 10:25
Client ID:	G1_SB-04B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 12:10		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.18	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.47	1
Bromoform	ND		ug/kg	4.2	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.81	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-09 Date Collected: 09/13/13 10:25

Client ID: G1_SB-04B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.33	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.16	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.23	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.20	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.82	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.80	1
Acrylonitrile	ND		ug/kg	10	0.25	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.59	1
Methyl Acetate	ND		ug/kg	21	0.79	1
Cyclohexane	ND		ug/kg	21	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-09	Date Collected:	09/13/13 10:25
Client ID:	G1_SB-04B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.28	1
p-Diethylbenzene	ND		ug/kg	4.2	0.16	1
p-Ethyltoluene	ND		ug/kg	4.2	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.46	1
Methyl cyclohexane	ND		ug/kg	4.2	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-10	Date Collected:	09/13/13 10:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 11:50		
Analyst:	BN		
Percent Solids:	67%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.3	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.29	1
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.35	1
1,2-Dichloropropane	ND		ug/kg	5.8	0.38	1
Dibromochloromethane	ND		ug/kg	1.6	0.51	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.50	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.75	1
Bromoform	ND		ug/kg	6.6	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Bromomethane	ND		ug/kg	3.3	0.56	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	1.6		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-10 Date Collected: 09/13/13 10:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.3	0.17	1
p/m-Xylene	ND		ug/kg	3.3	0.53	1
o-Xylene	ND		ug/kg	3.3	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.51	1
Dichlorodifluoromethane	ND		ug/kg	16	0.36	1
Acetone	12	J	ug/kg	16	5.1	1
Carbon disulfide	ND		ug/kg	16	3.3	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.37	1
2-Hexanone	ND		ug/kg	16	0.31	1
Bromochloromethane	ND		ug/kg	8.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	8.2	0.92	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.70	1
Isopropylbenzene	ND		ug/kg	1.6	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.32	1
Naphthalene	ND		ug/kg	8.2	1.3	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.2	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.2	0.94	1
Methyl Acetate	ND		ug/kg	33	1.2	1
Cyclohexane	ND		ug/kg	33	1.8	1
1,4-Dioxane	ND		ug/kg	160	29.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-10	Date Collected:	09/13/13 10:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	33	0.45	1
p-Diethylbenzene	ND		ug/kg	6.6	0.26	1
p-Ethyltoluene	ND		ug/kg	6.6	0.19	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.21	1
Ethyl ether	ND		ug/kg	8.2	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.74	1
Methyl cyclohexane	ND		ug/kg	6.6	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-13	Date Collected:	09/13/13 11:15
Client ID:	G1_DUP_091313_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 12:33		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.34	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.45	1
Bromoform	ND		ug/kg	4.0	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-13 Date Collected: 09/13/13 11:15

Client ID: G1_DUP_091313_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	ND		ug/kg	10	3.1	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.35	1
Vinyl acetate	ND		ug/kg	10	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.22	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.20	1
tert-Butylbenzene	ND		ug/kg	5.0	0.56	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.0	0.77	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57	1
Methyl Acetate	ND		ug/kg	20	0.76	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-13	Date Collected:	09/13/13 11:15
Client ID:	G1_DUP_091313_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.44	1
Methyl cyclohexane	ND		ug/kg	4.0	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-15	Date Collected:	09/13/13 00:00
Client ID:	TB03_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 11:37		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-15 Date Collected: 09/13/13 00:00

Client ID: TB03_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-15	Date Collected:	09/13/13 00:00
Client ID:	TB03_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 14:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638138-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.29	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 14:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638138-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 14:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638138-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	0.36	J	ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,13 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,13 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,13 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG638370-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG638370-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG638370-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG638603-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG638603-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG638603-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09 Batch: WG638612-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09 Batch: WG638612-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09 Batch: WG638612-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
Methylene chloride	76		73		70-130	4		30
1,1-Dichloroethane	85		84		70-130	1		30
Chloroform	84		86		70-130	2		30
Carbon tetrachloride	88		87		70-130	1		30
1,2-Dichloropropane	84		82		70-130	2		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	93		93		70-130	0		30
Tetrachloroethene	98		95		70-130	3		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	76		76		70-139	0		30
1,2-Dichloroethane	84		82		70-130	2		30
1,1,1-Trichloroethane	87		84		70-130	4		30
Bromodichloromethane	84		82		70-130	2		30
trans-1,3-Dichloropropene	90		90		70-130	0		30
cis-1,3-Dichloropropene	82		80		70-130	2		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	98		94		70-130	4		30
1,1,2,2-Tetrachloroethane	96		95		70-130	1		30
Benzene	86		85		70-130	1		30
Toluene	97		94		70-130	3		30
Ethylbenzene	94		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
Chloromethane	84		84		52-130	0		30
Bromomethane	80		80		57-147	0		30
Vinyl chloride	78		77		67-130	1		30
Chloroethane	80		78		50-151	3		30
1,1-Dichloroethene	87		87		65-135	0		30
trans-1,2-Dichloroethene	88		86		70-130	2		30
Trichloroethene	87		85		70-130	2		30
1,2-Dichlorobenzene	97		95		70-130	2		30
1,3-Dichlorobenzene	99		96		70-130	3		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	82		82		66-130	0		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	86		85		70-130	1		30
Dibromomethane	84		84		70-130	0		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	70		69		30-146	1		30
Acetone	80		66		54-140	19		30
Carbon disulfide	85		83		59-130	2		30
2-Butanone	92		81		70-130	13		30
Vinyl acetate	77		76		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
4-Methyl-2-pentanone	83		83		70-130	0		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	93		84		70-130	10		30
Bromochloromethane	88		85		70-130	3		30
2,2-Dichloropropane	88		85		70-130	3		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	91		91		69-130	0		30
1,1,1,2-Tetrachloroethane	95		92		70-130	3		30
Bromobenzene	95		92		70-130	3		30
n-Butylbenzene	99		96		70-130	3		30
sec-Butylbenzene	98		94		70-130	4		30
tert-Butylbenzene	97		94		70-130	3		30
o-Chlorotoluene	98		95		70-130	3		30
p-Chlorotoluene	96		93		70-130	3		30
1,2-Dibromo-3-chloropropane	97		96		68-130	1		30
Hexachlorobutadiene	98		95		67-130	3		30
Isopropylbenzene	95		91		70-130	4		30
p-Isopropyltoluene	99		95		70-130	4		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	86		88		70-130	2		30
Isopropyl Ether	81		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	96		92		70-130	4		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30
1,2,4-Trichlorobenzene	99		96		70-130	3		30
1,3,5-Trimethylbenzene	98		94		70-130	4		30
1,2,4-Trimethylbenzene	98		95		70-130	3		30
Methyl Acetate	86		86		51-146	0		30
Ethyl Acetate	84		83		70-130	1		30
Acrolein	88		86		70-130	2		30
Cyclohexane	73		72		59-142	1		30
1,4-Dioxane	94		95		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	75		73		50-139	3		30
1,4-Diethylbenzene	99		96		70-130	3		30
4-Ethyltoluene	97		93		70-130	4		30
1,2,4,5-Tetramethylbenzene	97		95		70-130	2		30
Tetrahydrofuran	82		82		66-130	0		30
Ethyl ether	75		74		67-130	1		30
trans-1,4-Dichloro-2-butene	93		93		70-130	0		30
Methyl cyclohexane	72		70		70-130	3		30
Ethyl-Tert-Butyl-Ether	82		81		70-130	1		30
Tertiary-Amyl Methyl Ether	84		84		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
Methylene chloride	104		105		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		102		70-130	3		30
1,2-Dichloropropane	100		103		70-130	3		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	106		105		70-139	1		30
1,2-Dichloroethane	102		104		70-130	2		30
1,1,1-Trichloroethane	102		102		70-130	0		30
Bromodichloromethane	99		103		70-130	4		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	94		97		70-130	3		30
1,1-Dichloropropene	101		102		70-130	1		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	90		92		70-130	2		30
Benzene	102		103		70-130	1		30
Toluene	96		97		70-130	1		30
Ethylbenzene	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
Chloromethane	99		99		52-130	0		30
Bromomethane	115		113		57-147	2		30
Vinyl chloride	101		101		67-130	0		30
Chloroethane	122		126		50-151	3		30
1,1-Dichloroethene	101		98		65-135	3		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	97		100		66-130	3		30
p/m-Xylene	99		100		70-130	1		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	100		102		70-130	2		30
Styrene	100		101		70-130	1		30
Dichlorodifluoromethane	93		93		30-146	0		30
Acetone	**143**	Q	138		54-140	4		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	**132**	Q	**132**	Q	70-130	0		30
Vinyl acetate	91		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	106		105		70-130	1		30
Bromochloromethane	106		105		70-130	1		30
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	92		96		70-130	4		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	94		95		70-130	1		30
Bromobenzene	97		98		70-130	1		30
n-Butylbenzene	100		100		70-130	0		30
sec-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	99		98		70-130	1		30
1,2-Dibromo-3-chloropropane	86		84		68-130	2		30
Hexachlorobutadiene	98		98		67-130	0		30
Isopropylbenzene	98		98		70-130	0		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	101		102		70-130	1		30
Isopropyl Ether	105		106		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
tert-Butyl Alcohol	87		90		70-130	3		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	98		99		70-130	1		30
Methyl Acetate	100		98		51-146	2		30
Ethyl Acetate	97		99		70-130	2		30
Acrolein	95		95		70-130	0		30
Cyclohexane	102		100		59-142	2		30
1,4-Dioxane	94		97		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		98		50-139	2		30
1,4-Diethylbenzene	100		100		70-130	0		30
4-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		30
Tetrahydrofuran	102		96		66-130	6		30
Ethyl ether	101		100		67-130	1		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30
Methyl cyclohexane	98		98		70-130	0		30
Ethyl-Tert-Butyl-Ether	102		101		70-130	1		30
Tertiary-Amyl Methyl Ether	97		99		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
Methylene chloride	101		100		70-130	1		20
1,1-Dichloroethane	116		112		70-130	4		20
Chloroform	114		112		70-130	2		20
2-Chloroethylvinyl ether	72		73		70-130	1		20
Carbon tetrachloride	120		116		63-132	3		20
1,2-Dichloropropane	110		111		70-130	1		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	110		109		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	112		110		75-130	2		20
Trichlorofluoromethane	110		104		62-150	6		20
1,2-Dichloroethane	103		102		70-130	1		20
1,1,1-Trichloroethane	114		112		67-130	2		20
Bromodichloromethane	107		107		67-130	0		20
trans-1,3-Dichloropropene	112		112		70-130	0		20
cis-1,3-Dichloropropene	108		108		70-130	0		20
1,1-Dichloropropene	114		112		70-130	2		20
Bromoform	108		108		54-136	0		20
1,1,2,2-Tetrachloroethane	106		108		67-130	2		20
Benzene	117		114		70-130	3		20
Toluene	116		114		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
Ethylbenzene	114		110		70-130	4		20
Chloromethane	90		85		64-130	6		20
Bromomethane	43		42		39-139	2		20
Vinyl chloride	98		93		55-140	5		20
Chloroethane	93		88		55-138	6		20
1,1-Dichloroethene	118		113		61-145	4		20
trans-1,2-Dichloroethene	116		112		70-130	4		20
Trichloroethene	114		112		70-130	2		20
1,2-Dichlorobenzene	109		108		70-130	1		20
1,3-Dichlorobenzene	114		112		70-130	2		20
1,4-Dichlorobenzene	110		108		70-130	2		20
Methyl tert butyl ether	106		108		63-130	2		20
p/m-Xylene	114		111		70-130	3		20
o-Xylene	110		108		70-130	2		20
cis-1,2-Dichloroethene	112		112		70-130	0		20
Dibromomethane	106		107		70-130	1		20
1,2,3-Trichloropropane	110		114		64-130	4		20
Acrylonitrile	113		112		70-130	1		20
Isopropyl Ether	112		111		70-130	1		20
tert-Butyl Alcohol	124		123		70-130	1		20
Styrene	112		110		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
Dichlorodifluoromethane	80		76		36-147	5		20
Acetone	132		123		58-148	7		20
Carbon disulfide	111		107		51-130	4		20
2-Butanone	138		133		63-138	4		20
Vinyl acetate	108		108		70-130	0		20
4-Methyl-2-pentanone	89		90		59-130	1		20
2-Hexanone	93		92		57-130	1		20
Bromochloromethane	118		116		70-130	2		20
2,2-Dichloropropane	124		121		63-133	2		20
1,2-Dibromoethane	104		105		70-130	1		20
1,3-Dichloropropane	107		108		70-130	1		20
1,1,1,2-Tetrachloroethane	113		113		64-130	0		20
Bromobenzene	106		106		70-130	0		20
n-Butylbenzene	110		107		53-136	3		20
sec-Butylbenzene	113		110		70-130	3		20
tert-Butylbenzene	110		109		70-130	1		20
o-Chlorotoluene	116		115		70-130	1		20
p-Chlorotoluene	111		109		70-130	2		20
1,2-Dibromo-3-chloropropane	101		98		41-144	3		20
Hexachlorobutadiene	107		104		63-130	3		20
Isopropylbenzene	108		108		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
p-Isopropyltoluene	112		110		70-130	2		20
Naphthalene	95		94		70-130	1		20
n-Propylbenzene	111		108		69-130	3		20
1,2,3-Trichlorobenzene	97		95		70-130	2		20
1,2,4-Trichlorobenzene	101		98		70-130	3		20
1,3,5-Trimethylbenzene	113		110		64-130	3		20
1,2,4-Trimethylbenzene	109		106		70-130	3		20
Methyl Acetate	109		110		70-130	1		20
Ethyl Acetate	102		102		70-130	0		20
Cyclohexane	122		118		70-130	3		20
Ethyl-Tert-Butyl-Ether	106		107		70-130	1		20
Tertiary-Amyl Methyl Ether	101		103		66-130	2		20
1,4-Dioxane	134		137		56-162	2		20
Freon-113	126		119		70-130	6		20
p-Diethylbenzene	108		103		70-130	5		20
p-Ethyltoluene	111		110		70-130	1		20
1,2,4,5-Tetramethylbenzene	111		108		70-130	3		20
Ethyl ether	112		112		59-134	0		20
trans-1,4-Dichloro-2-butene	85		88		70-130	3		20
Methyl cyclohexane	117		112		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		92		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
Methylene chloride	86		91		70-130	6		30
1,1-Dichloroethane	91		97		70-130	6		30
Chloroform	92		97		70-130	5		30
Carbon tetrachloride	98		101		70-130	3		30
1,2-Dichloropropane	92		96		70-130	4		30
Dibromochloromethane	101		105		70-130	4		30
1,1,2-Trichloroethane	100		104		70-130	4		30
Tetrachloroethene	104		107		70-130	3		30
Chlorobenzene	101		104		70-130	3		30
Trichlorofluoromethane	105		111		70-139	6		30
1,2-Dichloroethane	92		94		70-130	2		30
1,1,1-Trichloroethane	94		98		70-130	4		30
Bromodichloromethane	92		95		70-130	3		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	94		98		70-130	4		30
Bromoform	103		105		70-130	2		30
1,1,2,2-Tetrachloroethane	99		102		70-130	3		30
Benzene	94		98		70-130	4		30
Toluene	101		104		70-130	3		30
Ethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
Chloromethane	88		101		52-130	14		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	100		107		67-130	7		30
Chloroethane	109		109		50-151	0		30
1,1-Dichloroethene	97		102		65-135	5		30
trans-1,2-Dichloroethene	94		100		70-130	6		30
Trichloroethene	94		98		70-130	4		30
1,2-Dichlorobenzene	102		106		70-130	4		30
1,3-Dichlorobenzene	103		107		70-130	4		30
1,4-Dichlorobenzene	102		106		70-130	4		30
Methyl tert butyl ether	90		94		66-130	4		30
p/m-Xylene	102		105		70-130	3		30
o-Xylene	102		105		70-130	3		30
cis-1,2-Dichloroethene	93		97		70-130	4		30
Dibromomethane	94		97		70-130	3		30
Styrene	103		107		70-130	4		30
Dichlorodifluoromethane	92		99		30-146	7		30
Acetone	90		80		54-140	12		30
Carbon disulfide	90		94		59-130	4		30
2-Butanone	112		102		70-130	9		30
Vinyl acetate	84		88		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
4-Methyl-2-pentanone	88		89		70-130	1		30
1,2,3-Trichloropropane	101		102		68-130	1		30
2-Hexanone	106		96		70-130	10		30
Bromochloromethane	96		100		70-130	4		30
2,2-Dichloropropane	96		99		70-130	3		30
1,2-Dibromoethane	101		104		70-130	3		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	102		106		70-130	4		30
Bromobenzene	100		104		70-130	4		30
n-Butylbenzene	102		105		70-130	3		30
sec-Butylbenzene	102		106		70-130	4		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	102		106		70-130	4		30
p-Chlorotoluene	100		104		70-130	4		30
1,2-Dibromo-3-chloropropane	97		100		68-130	3		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	100		103		70-130	3		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	94		100		70-130	6		30
Acrylonitrile	89		92		70-130	3		30
Isopropyl Ether	88		93		66-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	99		103		70-130	4		30
1,2,3-Trichlorobenzene	98		103		70-130	5		30
1,2,4-Trichlorobenzene	100		104		70-130	4		30
1,3,5-Trimethylbenzene	102		105		70-130	3		30
1,2,4-Trimethylbenzene	102		106		70-130	4		30
Methyl Acetate	90		92		51-146	2		30
Ethyl Acetate	89		90		70-130	1		30
Acrolein	91		93		70-130	2		30
Cyclohexane	92		95		59-142	3		30
1,4-Dioxane	84		88		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		102		50-139	5		30
1,4-Diethylbenzene	103		107		70-130	4		30
4-Ethyltoluene	101		105		70-130	4		30
1,2,4,5-Tetramethylbenzene	101		105		70-130	4		30
Tetrahydrofuran	88		87		66-130	1		30
Ethyl ether	86		91		67-130	6		30
trans-1,4-Dichloro-2-butene	98		99		70-130	1		30
Methyl cyclohexane	95		97		70-130	2		30
Ethyl-Tert-Butyl-Ether	90		95		70-130	5		30
Tertiary-Amyl Methyl Ether	94		97		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/23/13 22:50		
Analyst:	PS		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	880		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	6700		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	380		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	3700		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-03 Date Collected: 09/12/13 17:00

Client ID: G1_COMP-05D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3800		ug/kg	160	49.	1
Benzo(b)fluoranthene	4800		ug/kg	120	40.	1
Benzo(k)fluoranthene	1800		ug/kg	120	38.	1
Chrysene	3600		ug/kg	120	39.	1
Acenaphthylene	210		ug/kg	160	37.	1
Anthracene	2100		ug/kg	120	33.	1
Benzo(ghi)perylene	2400		ug/kg	160	41.	1
Fluorene	980		ug/kg	200	57.	1
Phenanthrene	6600		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	700		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	2700		ug/kg	160	44.	1
Pyrene	6600		ug/kg	120	39.	1
Biphenyl	99	J	ug/kg	450	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	610		ug/kg	200	66.	1
2-Methylnaphthalene	270		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	800		ug/kg	200	43.	1
Benzaldehyde	110	J	ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	52		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/23/13 23:18		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	740		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	5500		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	400		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	4800		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-04 Date Collected: 09/12/13 17:00

Client ID: G1_COMP-05S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	5000		ug/kg	160	48.	1
Benzo(b)fluoranthene	7100		ug/kg	120	40.	1
Benzo(k)fluoranthene	2200		ug/kg	120	38.	1
Chrysene	4800		ug/kg	120	39.	1
Acenaphthylene	190		ug/kg	160	37.	1
Anthracene	1900		ug/kg	120	33.	1
Benzo(ghi)perylene	3400		ug/kg	160	41.	1
Fluorene	930		ug/kg	200	57.	1
Phenanthrene	5300		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	1200		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	3700		ug/kg	160	44.	1
Pyrene	6300		ug/kg	120	38.	1
Biphenyl	82	J	ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	570		ug/kg	200	66.	1
2-Methylnaphthalene	270		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	780		ug/kg	200	42.	1
Benzaldehyde	130	J	ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	88		0-136
4-Terphenyl-d14	62		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/23/13 23:45		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	6600		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	11000	E	ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	8100	E	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	90	J	ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	3800		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-07 Date Collected: 09/13/13 09:05

Client ID: G1_COMP-06S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2100		ug/kg	150	47.	1
Benzo(b)fluoranthene	3300		ug/kg	120	39.	1
Benzo(k)fluoranthene	1100		ug/kg	120	37.	1
Chrysene	3600		ug/kg	120	38.	1
Acenaphthylene	710		ug/kg	150	36.	1
Anthracene	6500		ug/kg	120	32.	1
Benzo(ghi)perylene	1000		ug/kg	150	40.	1
Fluorene	6100		ug/kg	190	55.	1
Phenanthrene	14000	E	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	330		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	1200		ug/kg	150	43.	1
Pyrene	8800	E	ug/kg	120	38.	1
Biphenyl	1000		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	4400		ug/kg	190	64.	1
2-Methylnaphthalene	2800		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	3200		ug/kg	190	42.	1
Benzaldehyde	290		ug/kg	260	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	53		0-136
4-Terphenyl-d14	60		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07 D	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/25/13 01:56		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	13000		ug/kg	580	180	5
Naphthalene	11000		ug/kg	970	320	5
Phenanthrene	24000		ug/kg	580	190	5
Pyrene	9500		ug/kg	580	190	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 00:13		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	12000	E	ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	690		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	7500		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-08 Date Collected: 09/13/13 09:10

Client ID: G1_COMP-06D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	6800		ug/kg	150	47.	1
Benzo(b)fluoranthene	7900	E	ug/kg	120	39.	1
Benzo(k)fluoranthene	2500		ug/kg	120	37.	1
Chrysene	6800		ug/kg	120	38.	1
Acenaphthylene	230		ug/kg	150	36.	1
Anthracene	4100		ug/kg	120	32.	1
Benzo(ghi)perylene	4100		ug/kg	150	40.	1
Fluorene	1900		ug/kg	190	55.	1
Phenanthrene	11000	E	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	1300		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	4500		ug/kg	150	43.	1
Pyrene	12000	E	ug/kg	120	37.	1
Biphenyl	160	J	ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	1200		ug/kg	190	64.	1
2-Methylnaphthalene	400		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	1400		ug/kg	190	41.	1
Benzaldehyde	81	J	ug/kg	250	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	72		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08 D	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/25/13 02:23		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	15000		ug/kg	580	180	5
Benzo(b)fluoranthene	6400		ug/kg	580	190	5
Phenanthrene	15000		ug/kg	580	190	5
Pyrene	12000		ug/kg	580	190	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 00:40		
Analyst:	PS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	500		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	130	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	69.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	9700	E	ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	140	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	1100		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	4700		ug/kg	130	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11 Date Collected: 09/13/13 10:50

Client ID: G1_COMP-01D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	5200		ug/kg	170	52.	1
Benzo(b)fluoranthene	6500		ug/kg	130	42.	1
Benzo(k)fluoranthene	2300		ug/kg	130	40.	1
Chrysene	4800		ug/kg	130	41.	1
Acenaphthylene	180		ug/kg	170	39.	1
Anthracene	1700		ug/kg	130	35.	1
Benzo(ghi)perylene	3900		ug/kg	170	44.	1
Fluorene	830		ug/kg	210	60.	1
Phenanthrene	7000		ug/kg	130	41.	1
Dibenzo(a,h)anthracene	960		ug/kg	130	41.	1
Indeno(1,2,3-cd)Pyrene	4300		ug/kg	170	47.	1
Pyrene	8200		ug/kg	130	41.	1
Biphenyl	130	J	ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	670		ug/kg	210	70.	1
2-Methylnaphthalene	320		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	450	66.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	580		ug/kg	210	45.	1
Benzaldehyde	120	J	ug/kg	280	85.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	58.	1
Atrazine	ND		ug/kg	170	48.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	71		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11 D	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/25/13 02:50		
Analyst:	PS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	12000		ug/kg	250	77.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 01:09		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	300		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	4200		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	63.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	210		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	2100		ug/kg	110	35.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12 Date Collected: 09/13/13 10:45

Client ID: G1_COMP-01S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1900		ug/kg	140	44.	1
Benzo(b)fluoranthene	2100		ug/kg	110	36.	1
Benzo(k)fluoranthene	970		ug/kg	110	34.	1
Chrysene	2200		ug/kg	110	35.	1
Acenaphthylene	240		ug/kg	140	34.	1
Anthracene	940		ug/kg	110	30.	1
Benzo(ghi)perylene	1200		ug/kg	140	37.	1
Fluorene	370		ug/kg	180	52.	1
Phenanthrene	3800		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	340		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	1300		ug/kg	140	40.	1
Pyrene	3800		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	260		ug/kg	180	60.	1
2-Methylnaphthalene	160	J	ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	330		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	75		0-136
4-Terphenyl-d14	44		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14 D	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 01:37		
Analyst:	PS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	290		ug/kg	280	73.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	99.	2
2-Chloronaphthalene	ND		ug/kg	350	120	2
1,2-Dichlorobenzene	ND		ug/kg	350	120	2
1,3-Dichlorobenzene	ND		ug/kg	350	110	2
1,4-Dichlorobenzene	ND		ug/kg	350	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	76.	2
2,6-Dinitrotoluene	ND		ug/kg	350	91.	2
Fluoranthene	4000		ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	81.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	350	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	64.	2
Isophorone	ND		ug/kg	320	94.	2
Naphthalene	190	J	ug/kg	350	120	2
Nitrobenzene	ND		ug/kg	320	84.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	74.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	100	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	350	93.	2
Butyl benzyl phthalate	ND		ug/kg	350	69.	2
Di-n-butylphthalate	ND		ug/kg	350	68.	2
Di-n-octylphthalate	ND		ug/kg	350	87.	2
Diethyl phthalate	ND		ug/kg	350	75.	2
Dimethyl phthalate	ND		ug/kg	350	90.	2
Benzo(a)anthracene	2100		ug/kg	210	69.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14 D Date Collected: 09/13/13 11:20

Client ID: G1_COMP-DUP_091313_S Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1900		ug/kg	280	87.	2
Benzo(b)fluoranthene	2200		ug/kg	210	72.	2
Benzo(k)fluoranthene	860		ug/kg	210	68.	2
Chrysene	2000		ug/kg	210	70.	2
Acenaphthylene	430		ug/kg	280	66.	2
Anthracene	1000		ug/kg	210	59.	2
Benzo(ghi)perylene	1600		ug/kg	280	74.	2
Fluorene	330	J	ug/kg	350	100	2
Phenanthrene	3300		ug/kg	210	69.	2
Dibenzo(a,h)anthracene	360		ug/kg	210	68.	2
Indeno(1,2,3-cd)Pyrene	1700		ug/kg	280	79.	2
Pyrene	3700		ug/kg	210	69.	2
Biphenyl	ND		ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	350	93.	2
2-Nitroaniline	ND		ug/kg	350	100	2
3-Nitroaniline	ND		ug/kg	350	98.	2
4-Nitroaniline	ND		ug/kg	350	96.	2
Dibenzofuran	220	J	ug/kg	350	120	2
2-Methylnaphthalene	120	J	ug/kg	420	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	110	2
Acetophenone	ND		ug/kg	350	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	350	100	2
2-Chlorophenol	ND		ug/kg	350	110	2
2,4-Dichlorophenol	ND		ug/kg	320	110	2
2,4-Dimethylphenol	ND		ug/kg	350	100	2
2-Nitrophenol	ND		ug/kg	760	110	2
4-Nitrophenol	ND		ug/kg	500	110	2
2,4-Dinitrophenol	ND		ug/kg	1700	480	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	350	110	2
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	330	J	ug/kg	350	76.	2
Benzaldehyde	ND		ug/kg	470	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14 D Date Collected: 09/13/13 11:20

Client ID: G1_COMP-DUP_091313_S Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	350	98.	2
Atrazine	ND		ug/kg	280	80.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	60.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	55		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/23/13 22:05
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637268-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/23/13 22:05
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637268-1					
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/23/13 22:05
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637268-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	108		30-120
2,4,6-Tribromophenol	119		0-136
4-Terphenyl-d14	109		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
Acenaphthene	99		105		31-137	6		50
1,2,4-Trichlorobenzene	97		103		38-107	6		50
Hexachlorobenzene	115		120		40-140	4		50
Bis(2-chloroethyl)ether	98		99		40-140	1		50
2-Chloronaphthalene	110		116		40-140	5		50
1,2-Dichlorobenzene	94		97		40-140	3		50
1,3-Dichlorobenzene	92		96		40-140	4		50
1,4-Dichlorobenzene	92		96		28-104	4		50
3,3'-Dichlorobenzidine	76		83		40-140	9		50
2,4-Dinitrotoluene	**120**	Q	**127**	Q	28-89	6		50
2,6-Dinitrotoluene	125		133		40-140	6		50
Fluoranthene	108		114		40-140	5		50
4-Chlorophenyl phenyl ether	107		112		40-140	5		50
4-Bromophenyl phenyl ether	116		124		40-140	7		50
Bis(2-chloroisopropyl)ether	90		92		40-140	2		50
Bis(2-chloroethoxy)methane	105		104		40-117	1		50
Hexachlorobutadiene	97		104		40-140	7		50
Hexachlorocyclopentadiene	101		107		40-140	6		50
Hexachloroethane	91		93		40-140	2		50
Isophorone	107		107		40-140	0		50
Naphthalene	95		100		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
Nitrobenzene	93		100		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	111		117			5		50
n-Nitrosodi-n-propylamine	103		102		32-121	1		50
Bis(2-Ethylhexyl)phthalate	105		110		40-140	5		50
Butyl benzyl phthalate	109		117		40-140	7		50
Di-n-butylphthalate	105		110		40-140	5		50
Di-n-octylphthalate	110		117		40-140	6		50
Diethyl phthalate	107		112		40-140	5		50
Dimethyl phthalate	106		112		40-140	6		50
Benzo(a)anthracene	101		108		40-140	7		50
Benzo(a)pyrene	103		110		40-140	7		50
Benzo(b)fluoranthene	102		108		40-140	6		50
Benzo(k)fluoranthene	104		112		40-140	7		50
Chrysene	102		108		40-140	6		50
Acenaphthylene	113		118		40-140	4		50
Anthracene	106		110		40-140	4		50
Benzo(ghi)perylene	95		103		40-140	8		50
Fluorene	107		112		40-140	5		50
Phenanthrene	100		106		40-140	6		50
Dibenzo(a,h)anthracene	99		104		40-140	5		50
Indeno(1,2,3-cd)Pyrene	98		104		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
Pyrene	107		113		35-142	5		50
Biphenyl	101		106			5		50
4-Chloroaniline	67		73		40-140	9		50
2-Nitroaniline	128		**135**	Q	47-134	5		50
3-Nitroaniline	75		81		26-129	8		50
4-Nitroaniline	104		111		41-125	7		50
Dibenzofuran	103		108		40-140	5		50
2-Methylnaphthalene	100		105		40-140	5		50
1,2,4,5-Tetrachlorobenzene	102		106		40-117	4		50
Acetophenone	111		113		14-144	2		50
2,4,6-Trichlorophenol	128		**137**	Q	30-130	7		50
P-Chloro-M-Cresol	**120**	Q	**128**	Q	26-103	6		50
2-Chlorophenol	**109**	Q	**110**	Q	25-102	1		50
2,4-Dichlorophenol	116		121		30-130	4		50
2,4-Dimethylphenol	124		122		30-130	2		50
2-Nitrophenol	124		124		30-130	0		50
4-Nitrophenol	110		**116**	Q	11-114	5		50
2,4-Dinitrophenol	106		115		4-130	8		50
4,6-Dinitro-o-cresol	112		122		10-130	9		50
Pentachlorophenol	93		102		17-109	9		50
Phenol	**104**	Q	**103**	Q	26-90	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
2-Methylphenol	116		114		30-130.	2		50
3-Methylphenol/4-Methylphenol	124		124		30-130	0		50
2,4,5-Trichlorophenol	123		129		30-130	5		50
Benzoic Acid	96		101			5		50
Benzyl Alcohol	108		109		40-140	1		50
Carbazole	103		110		54-128	7		50
Benzaldehyde	92		101			9		50
Caprolactam	113		119			5		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	114		121			6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	109		111		25-120
Phenol-d6	114		114		10-120
Nitrobenzene-d5	103		105		23-120
2-Fluorobiphenyl	112		117		30-120
2,4,6-Tribromophenol	120		131		0-136
4-Terphenyl-d14	99		105		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 21:55		
Analyst:	AR		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	234000		ug/kg	38600	3780	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 13:28		
Analyst:	JV		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	610	J	ug/kg	3000	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		70-130
4-Bromofluorobenzene	81		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/18/13 08:02
Analytical Date:	09/19/13 21:43		
Analyst:	AR		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	537000		ug/kg	39800	3900	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 15:31		
Analyst:	JV		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	4700		ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	72		70-130
4-Bromofluorobenzene	84		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 16:12		
Analyst:	JV		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	4900		ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	79		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07 D	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/18/13 08:02
Analytical Date:	09/20/13 15:04		
Analyst:	AR		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	548000		ug/kg	77800	7620	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 22:26		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	320000		ug/kg	38500	3770	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 16:53		
Analyst:	JV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	20000		ug/kg	2900	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 21:24		
Analyst:	AR		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	152000		ug/kg	41400	4060	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 17:33		
Analyst:	JV		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2200	J	ug/kg	3200	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	76		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 18:14		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	190	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	82		70-130
4-Bromofluorobenzene	86		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12 D	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 18:19		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	317000		ug/kg	70200	6880	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 18:55		
Analyst:	JV		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	420	J	ug/kg	2700	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84		70-130
4-Bromofluorobenzene	85		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14 D	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 17:48		
Analyst:	AR		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	528000		ug/kg	68900	6750	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03,08,11-12,14 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/19/13 12:07
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/18/13 08:02

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04,07 Batch: WG637006-1					
TPH	ND		ug/kg	32800	3210

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03,08,11-12,14 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04,07 Batch: WG637006-2								
TPH	91		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	86				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03,08,11-12,14 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG637006-3 QC Sample: L1318299-01 Client ID: DUP Sample						
TPH	415000	394000	ug/kg	5		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		101		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:04	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	82%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.1	7.91	1	A
Aroclor 1221	ND		ug/kg	40.1	12.1	1	A
Aroclor 1232	ND		ug/kg	40.1	8.51	1	A
Aroclor 1242	ND		ug/kg	40.1	7.60	1	A
Aroclor 1248	ND		ug/kg	40.1	4.85	1	A
Aroclor 1254	ND		ug/kg	40.1	6.32	1	A
Aroclor 1260	ND		ug/kg	40.1	6.95	1	A
Aroclor 1262	ND		ug/kg	40.1	2.96	1	A
Aroclor 1268	ND		ug/kg	40.1	5.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:17	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	7.48	1	A
Aroclor 1221	ND		ug/kg	37.9	11.4	1	A
Aroclor 1232	ND		ug/kg	37.9	8.04	1	A
Aroclor 1242	ND		ug/kg	37.9	7.18	1	A
Aroclor 1248	ND		ug/kg	37.9	4.58	1	A
Aroclor 1254	ND		ug/kg	37.9	5.97	1	A
Aroclor 1260	ND		ug/kg	37.9	6.57	1	A
Aroclor 1262	ND		ug/kg	37.9	2.80	1	A
Aroclor 1268	ND		ug/kg	37.9	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:30	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	7.56	1	A
Aroclor 1221	ND		ug/kg	38.3	11.6	1	A
Aroclor 1232	ND		ug/kg	38.3	8.14	1	A
Aroclor 1242	ND		ug/kg	38.3	7.27	1	A
Aroclor 1248	ND		ug/kg	38.3	4.63	1	A
Aroclor 1254	ND		ug/kg	38.3	6.04	1	A
Aroclor 1260	ND		ug/kg	38.3	6.65	1	A
Aroclor 1262	ND		ug/kg	38.3	2.83	1	A
Aroclor 1268	ND		ug/kg	38.3	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:43	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	7.55	1	A
Aroclor 1221	ND		ug/kg	38.2	11.5	1	A
Aroclor 1232	ND		ug/kg	38.2	8.12	1	A
Aroclor 1242	ND		ug/kg	38.2	7.26	1	A
Aroclor 1248	ND		ug/kg	38.2	4.63	1	A
Aroclor 1254	ND		ug/kg	38.2	6.03	1	A
Aroclor 1260	ND		ug/kg	38.2	6.64	1	A
Aroclor 1262	ND		ug/kg	38.2	2.83	1	A
Aroclor 1268	ND		ug/kg	38.2	5.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:57	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	79%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.8	7.87	1	A
Aroclor 1221	ND		ug/kg	39.8	12.0	1	A
Aroclor 1232	ND		ug/kg	39.8	8.47	1	A
Aroclor 1242	ND		ug/kg	39.8	7.56	1	A
Aroclor 1248	ND		ug/kg	39.8	4.82	1	A
Aroclor 1254	ND		ug/kg	39.8	6.28	1	A
Aroclor 1260	ND		ug/kg	39.8	6.92	1	A
Aroclor 1262	ND		ug/kg	39.8	2.95	1	A
Aroclor 1268	ND		ug/kg	39.8	5.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 02:10	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	6.89	1	A
Aroclor 1221	ND		ug/kg	34.9	10.5	1	A
Aroclor 1232	ND		ug/kg	34.9	7.41	1	A
Aroclor 1242	ND		ug/kg	34.9	6.62	1	A
Aroclor 1248	ND		ug/kg	34.9	4.22	1	A
Aroclor 1254	ND		ug/kg	34.9	5.50	1	A
Aroclor 1260	33.6	J	ug/kg	34.9	6.05	1	B
Aroclor 1262	ND		ug/kg	34.9	2.58	1	A
Aroclor 1268	ND		ug/kg	34.9	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 02:23	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	6.78	1	A
Aroclor 1221	ND		ug/kg	34.3	10.4	1	A
Aroclor 1232	ND		ug/kg	34.3	7.29	1	A
Aroclor 1242	ND		ug/kg	34.3	6.51	1	A
Aroclor 1248	ND		ug/kg	34.3	4.15	1	A
Aroclor 1254	ND		ug/kg	34.3	5.41	1	A
Aroclor 1260	23.7	J	ug/kg	34.3	5.96	1	B
Aroclor 1262	ND		ug/kg	34.3	2.54	1	A
Aroclor 1268	ND		ug/kg	34.3	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318158

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 23:01	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	24.1	1	A
2,4,5-T	ND		ug/kg	198	12.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	47		30-150	A
DCAA	**23**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03 D	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 16:30	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.7	3.67	10	A
Lindane	ND		ug/kg	7.81	3.49	10	A
Alpha-BHC	ND		ug/kg	7.81	2.22	10	A
Beta-BHC	ND		ug/kg	18.7	7.10	10	A
Heptachlor	ND		ug/kg	9.37	4.20	10	A
Aldrin	ND		ug/kg	18.7	6.60	10	A
Heptachlor epoxide	ND		ug/kg	35.1	10.5	10	A
Endrin	ND		ug/kg	7.81	3.20	10	A
Endrin ketone	ND		ug/kg	18.7	4.82	10	A
Dieldrin	ND		ug/kg	11.7	5.86	10	A
4,4'-DDE	ND		ug/kg	18.7	4.33	10	A
4,4'-DDD	ND		ug/kg	18.7	6.68	10	A
4,4'-DDT	ND		ug/kg	35.1	15.1	10	A
Endosulfan I	ND		ug/kg	18.7	4.43	10	A
Endosulfan II	ND		ug/kg	18.7	6.26	10	A
Endosulfan sulfate	ND		ug/kg	7.81	3.57	10	A
Methoxychlor	ND		ug/kg	35.1	10.9	10	A
Toxaphene	ND		ug/kg	351	98.4	10	A
cis-Chlordane	ND		ug/kg	23.4	6.53	10	A
trans-Chlordane	ND		ug/kg	23.4	6.18	10	A
Chlordane	ND		ug/kg	152	62.1	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**353**	Q	30-150	A
Decachlorobiphenyl	140		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 22:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	24.0	1	A
2,4,5-T	ND		ug/kg	197	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	10.9	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04 D	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 16:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.5	3.62	10	A
Lindane	ND		ug/kg	7.71	3.45	10	A
Alpha-BHC	ND		ug/kg	7.71	2.19	10	A
Beta-BHC	ND		ug/kg	18.5	7.02	10	A
Heptachlor	ND		ug/kg	9.26	4.15	10	A
Aldrin	ND		ug/kg	18.5	6.52	10	A
Heptachlor epoxide	ND		ug/kg	34.7	10.4	10	A
Endrin	ND		ug/kg	7.71	3.16	10	A
Endrin ketone	ND		ug/kg	18.5	4.77	10	A
Dieldrin	ND		ug/kg	11.6	5.78	10	A
4,4'-DDE	ND		ug/kg	18.5	4.28	10	A
4,4'-DDD	ND		ug/kg	18.5	6.60	10	A
4,4'-DDT	ND		ug/kg	34.7	14.9	10	A
Endosulfan I	ND		ug/kg	18.5	4.37	10	A
Endosulfan II	ND		ug/kg	18.5	6.18	10	A
Endosulfan sulfate	ND		ug/kg	7.71	3.52	10	A
Methoxychlor	ND		ug/kg	34.7	10.8	10	A
Toxaphene	ND		ug/kg	347	97.2	10	A
cis-Chlordane	ND		ug/kg	23.1	6.45	10	A
trans-Chlordane	ND		ug/kg	23.1	6.11	10	A
Chlordane	ND		ug/kg	150	61.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**391**	Q	30-150	A
Decachlorobiphenyl	**183**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 22:22	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	23.1	1	A
2,4,5-T	ND		ug/kg	190	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	61		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07 D	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 16:56	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.5	3.44	10	A
Lindane	ND		ug/kg	7.31	3.27	10	A
Alpha-BHC	ND		ug/kg	7.31	2.08	10	A
Beta-BHC	ND		ug/kg	17.5	6.65	10	A
Heptachlor	ND		ug/kg	8.77	3.93	10	A
Aldrin	ND		ug/kg	17.5	6.18	10	A
Heptachlor epoxide	ND		ug/kg	32.9	9.87	10	A
Endrin	ND		ug/kg	7.31	3.00	10	A
Endrin ketone	ND		ug/kg	17.5	4.52	10	A
Dieldrin	ND		ug/kg	11.0	5.48	10	A
4,4'-DDE	ND		ug/kg	17.5	4.06	10	A
4,4'-DDD	ND		ug/kg	17.5	6.26	10	A
4,4'-DDT	ND		ug/kg	32.9	14.1	10	A
Endosulfan I	ND		ug/kg	17.5	4.14	10	A
Endosulfan II	ND		ug/kg	17.5	5.86	10	A
Endosulfan sulfate	ND		ug/kg	7.31	3.34	10	A
Methoxychlor	ND		ug/kg	32.9	10.2	10	A
Toxaphene	ND		ug/kg	329	92.1	10	A
cis-Chlordane	ND		ug/kg	21.9	6.11	10	A
trans-Chlordane	ND		ug/kg	21.9	5.79	10	A
Chlordane	ND		ug/kg	142	58.1	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**329**	Q	30-150	A
Decachlorobiphenyl	**163**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 09:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	23.4	1	A
2,4,5-T	ND		ug/kg	192	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08 D	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:08	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.7	3.47	10	A
Lindane	ND		ug/kg	7.39	3.30	10	A
Alpha-BHC	ND		ug/kg	7.39	2.10	10	A
Beta-BHC	ND		ug/kg	17.7	6.72	10	A
Heptachlor	ND		ug/kg	8.87	3.98	10	A
Aldrin	ND		ug/kg	17.7	6.24	10	A
Heptachlor epoxide	ND		ug/kg	33.2	9.98	10	A
Endrin	ND		ug/kg	7.39	3.03	10	A
Endrin ketone	ND		ug/kg	17.7	4.57	10	A
Dieldrin	ND		ug/kg	11.1	5.54	10	A
4,4'-DDE	ND		ug/kg	17.7	4.10	10	A
4,4'-DDD	ND		ug/kg	17.7	6.32	10	A
4,4'-DDT	ND		ug/kg	33.2	14.3	10	A
Endosulfan I	ND		ug/kg	17.7	4.19	10	A
Endosulfan II	ND		ug/kg	17.7	5.93	10	A
Endosulfan sulfate	ND		ug/kg	7.39	3.38	10	A
Methoxychlor	ND		ug/kg	33.2	10.3	10	A
Toxaphene	ND		ug/kg	332	93.1	10	A
cis-Chlordane	ND		ug/kg	22.2	6.18	10	A
trans-Chlordane	ND		ug/kg	22.2	5.85	10	A
Chlordane	ND		ug/kg	144	58.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**277**	Q	30-150	A
Decachlorobiphenyl	**197**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	122		30-150	B
Decachlorobiphenyl	129		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 09:52	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	210	25.5	1	A
2,4,5-T	ND		ug/kg	210	13.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	210	11.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11 D	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:21	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.4	3.81	10	A
Lindane	ND		ug/kg	8.10	3.62	10	A
Alpha-BHC	ND		ug/kg	8.10	2.30	10	A
Beta-BHC	ND		ug/kg	19.4	7.37	10	A
Heptachlor	ND		ug/kg	9.72	4.36	10	A
Aldrin	ND		ug/kg	19.4	6.84	10	A
Heptachlor epoxide	ND		ug/kg	36.4	10.9	10	A
Endrin	ND		ug/kg	8.10	3.32	10	A
Endrin ketone	ND		ug/kg	19.4	5.00	10	A
Dieldrin	ND		ug/kg	12.1	6.07	10	A
4,4'-DDE	ND		ug/kg	19.4	4.49	10	A
4,4'-DDD	ND		ug/kg	19.4	6.93	10	A
4,4'-DDT	ND		ug/kg	36.4	15.6	10	A
Endosulfan I	ND		ug/kg	19.4	4.59	10	A
Endosulfan II	ND		ug/kg	19.4	6.49	10	A
Endosulfan sulfate	ND		ug/kg	8.10	3.70	10	A
Methoxychlor	ND		ug/kg	36.4	11.3	10	A
Toxaphene	ND		ug/kg	364	102.	10	A
cis-Chlordane	ND		ug/kg	24.3	6.77	10	A
trans-Chlordane	ND		ug/kg	24.3	6.41	10	A
Chlordane	ND		ug/kg	158	64.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	142		30-150	A
Decachlorobiphenyl	**284**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	**160**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.1	1	A
2,4,5-T	ND		ug/kg	182	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12 D	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:34	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	3.34	10	A
Lindane	ND		ug/kg	7.12	3.18	10	A
Alpha-BHC	ND		ug/kg	7.12	2.02	10	A
Beta-BHC	ND		ug/kg	17.1	6.48	10	A
Heptachlor	ND		ug/kg	8.54	3.83	10	A
Aldrin	ND		ug/kg	17.1	6.01	10	A
Heptachlor epoxide	ND		ug/kg	32.0	9.61	10	A
Endrin	ND		ug/kg	7.12	2.92	10	A
Endrin ketone	ND		ug/kg	17.1	4.40	10	A
Dieldrin	ND		ug/kg	10.7	5.34	10	A
4,4'-DDE	ND		ug/kg	17.1	3.95	10	A
4,4'-DDD	ND		ug/kg	17.1	6.09	10	A
4,4'-DDT	ND		ug/kg	32.0	13.7	10	A
Endosulfan I	ND		ug/kg	17.1	4.04	10	A
Endosulfan II	ND		ug/kg	17.1	5.71	10	A
Endosulfan sulfate	ND		ug/kg	7.12	3.25	10	A
Methoxychlor	ND		ug/kg	32.0	9.96	10	A
Toxaphene	ND		ug/kg	320	89.7	10	A
cis-Chlordane	ND		ug/kg	21.4	5.95	10	A
trans-Chlordane	ND		ug/kg	21.4	5.64	10	A
Chlordane	ND		ug/kg	139	56.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	**163**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	**155**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	21.9	1	A
2,4,5-T	ND		ug/kg	180	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14 D	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:47	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.9	3.31	10	A
Lindane	ND		ug/kg	7.04	3.14	10	A
Alpha-BHC	ND		ug/kg	7.04	2.00	10	A
Beta-BHC	ND		ug/kg	16.9	6.40	10	A
Heptachlor	ND		ug/kg	8.44	3.79	10	A
Aldrin	ND		ug/kg	16.9	5.95	10	A
Heptachlor epoxide	ND		ug/kg	31.7	9.50	10	A
Endrin	ND		ug/kg	7.04	2.88	10	A
Endrin ketone	ND		ug/kg	16.9	4.35	10	A
Dieldrin	ND		ug/kg	10.6	5.28	10	A
4,4'-DDE	ND		ug/kg	16.9	3.90	10	A
4,4'-DDD	ND		ug/kg	16.9	6.02	10	A
4,4'-DDT	ND		ug/kg	31.7	13.6	10	A
Endosulfan I	ND		ug/kg	16.9	3.99	10	A
Endosulfan II	ND		ug/kg	16.9	5.64	10	A
Endosulfan sulfate	ND		ug/kg	7.04	3.22	10	A
Methoxychlor	ND		ug/kg	31.7	9.85	10	A
Toxaphene	ND		ug/kg	317	88.7	10	A
cis-Chlordane	ND		ug/kg	21.1	5.88	10	A
trans-Chlordane	ND		ug/kg	21.1	5.57	10	A
Chlordane	ND		ug/kg	137	55.9	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	144		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04,07 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08,11-12,14 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04,07 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08,11-12,14 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Barium, TCLP	0.99		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Lead, TCLP	1.9		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:35	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-03
Client ID: G1_COMP-05D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5900		mg/kg	9.4	1.9	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.75	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.94	0.28	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Beryllium, Total	0.70		mg/kg	0.47	0.09	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.94	0.07	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Calcium, Total	13000		mg/kg	9.4	2.8	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Cobalt, Total	13		mg/kg	1.9	0.47	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Copper, Total	170		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.7	1.9	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Lead, Total	550		mg/kg	4.7	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Magnesium, Total	4600		mg/kg	9.4	0.94	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Manganese, Total	230		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Mercury, Total	0.72		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 09:57	EPA 7471B	1,7471B	MC
Nickel, Total	26		mg/kg	2.3	0.38	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Potassium, Total	720		mg/kg	230	38.	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Selenium, Total	1.1	J	mg/kg	1.9	0.28	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Sodium, Total	210		mg/kg	190	28.	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.94	0.09	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Zinc, Total	600		mg/kg	4.7	0.66	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Barium, TCLP	1.0		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Lead, TCLP	5.4		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:41	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-04
Client ID: G1_COMP-05S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7500		mg/kg	9.3	1.9	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.75	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Barium, Total	250		mg/kg	0.93	0.28	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Beryllium, Total	10		mg/kg	0.47	0.09	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Cadmium, Total	2.1		mg/kg	0.93	0.07	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Calcium, Total	11000		mg/kg	9.3	2.8	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Chromium, Total	74		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Cobalt, Total	34		mg/kg	1.9	0.47	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Copper, Total	620		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Iron, Total	31000		mg/kg	4.7	1.9	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Lead, Total	950		mg/kg	4.7	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Magnesium, Total	1700		mg/kg	9.3	0.93	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Manganese, Total	380		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Mercury, Total	0.85		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:04	EPA 7471B	1,7471B	MC
Nickel, Total	63		mg/kg	2.3	0.37	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Potassium, Total	830		mg/kg	230	37.	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Selenium, Total	1.2	J	mg/kg	1.9	0.28	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Silver, Total	1.5		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Sodium, Total	470		mg/kg	190	28.	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.37	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.93	0.09	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Zinc, Total	3700		mg/kg	47	6.5	20	09/19/13 09:49	09/21/13 12:24	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Barium, TCLP	0.42	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Lead, TCLP	0.31	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:42	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-07
Client ID: G1_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/13/13 09:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5900		mg/kg	9.0	1.8	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.72	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Arsenic, Total	11		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Barium, Total	140		mg/kg	0.90	0.27	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Beryllium, Total	2.1		mg/kg	0.45	0.09	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Cadmium, Total	0.83	J	mg/kg	0.90	0.06	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Calcium, Total	44000		mg/kg	9.0	2.7	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Chromium, Total	22		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Cobalt, Total	16		mg/kg	1.8	0.45	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Copper, Total	230		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.5	1.8	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Lead, Total	320		mg/kg	4.5	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Magnesium, Total	14000		mg/kg	9.0	0.90	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Manganese, Total	210		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Mercury, Total	0.20		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:06	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	2.3	0.36	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Potassium, Total	760		mg/kg	230	36.	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Selenium, Total	1.8		mg/kg	1.8	0.27	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Sodium, Total	240		mg/kg	180	27.	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.90	0.09	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Zinc, Total	1200		mg/kg	4.5	0.63	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Barium, TCLP	0.27	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Lead, TCLP	0.40	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:44	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-08
Client ID: G1_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/13/13 09:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5100		mg/kg	9.2	1.8	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Antimony, Total	1.3	J	mg/kg	4.6	0.74	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Arsenic, Total	11		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Barium, Total	120		mg/kg	0.92	0.28	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Beryllium, Total	0.39	J	mg/kg	0.46	0.09	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Cadmium, Total	0.77	J	mg/kg	0.92	0.06	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Calcium, Total	11000		mg/kg	9.2	2.8	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Cobalt, Total	7.6		mg/kg	1.8	0.46	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Copper, Total	100		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.6	1.8	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Lead, Total	310		mg/kg	4.6	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Magnesium, Total	2300		mg/kg	9.2	0.92	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Manganese, Total	270		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Mercury, Total	0.45		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:08	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.3	0.37	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Potassium, Total	780		mg/kg	230	37.	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Selenium, Total	1.1	J	mg/kg	1.8	0.28	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Sodium, Total	160	J	mg/kg	180	28.	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.92	0.09	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Zinc, Total	400		mg/kg	4.6	0.64	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11
Client ID: G1_COMP-01D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 09/13/13 10:50
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.03	J	mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Barium, TCLP	0.29	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Lead, TCLP	0.19	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:46	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11
Client ID: G1_COMP-01D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 09/13/13 10:50
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	9.6	1.9	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Arsenic, Total	54		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Barium, Total	89		mg/kg	0.96	0.29	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Beryllium, Total	0.38	J	mg/kg	0.48	0.10	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.96	0.07	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Calcium, Total	7200		mg/kg	9.6	2.9	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Cobalt, Total	8.7		mg/kg	1.9	0.48	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Copper, Total	100		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Iron, Total	29000		mg/kg	4.8	1.9	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Lead, Total	150		mg/kg	4.8	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Magnesium, Total	1100		mg/kg	9.6	0.96	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Manganese, Total	130		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Mercury, Total	0.33		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:10	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.4	0.38	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Potassium, Total	870		mg/kg	240	38.	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Selenium, Total	4.8		mg/kg	1.9	0.29	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Sodium, Total	1100		mg/kg	190	29.	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.96	0.10	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Zinc, Total	64		mg/kg	4.8	0.67	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12
Client ID: G1_COMP-01S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 10:45
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Barium, TCLP	0.85		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Lead, TCLP	0.48	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:48	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12
Client ID: G1_COMP-01S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 10:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6000		mg/kg	8.3	1.6	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.1	0.66	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Arsenic, Total	7.1		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Barium, Total	280		mg/kg	0.83	0.25	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Beryllium, Total	3.2		mg/kg	0.41	0.08	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.83	0.06	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Calcium, Total	54000		mg/kg	8.3	2.5	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Chromium, Total	53		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Cobalt, Total	45		mg/kg	1.6	0.41	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Copper, Total	810		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Iron, Total	34000		mg/kg	4.1	1.6	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Lead, Total	860		mg/kg	4.1	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Magnesium, Total	20000		mg/kg	8.3	0.83	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Manganese, Total	430		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Mercury, Total	1.6		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:15	EPA 7471B	1,7471B	MC
Nickel, Total	76		mg/kg	2.1	0.33	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Potassium, Total	790		mg/kg	210	33.	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Selenium, Total	0.48	J	mg/kg	1.6	0.25	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Silver, Total	0.28	J	mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Sodium, Total	760		mg/kg	160	25.	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.33	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.83	0.08	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Zinc, Total	4700		mg/kg	41	5.8	20	09/19/13 09:49	09/20/13 16:38	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14
Client ID: G1_COMP-DUP_091313_S
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 09/13/13 11:20
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Barium, TCLP	0.81		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Lead, TCLP	0.34	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:53	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14
Client ID: G1_COMP-DUP_091313_S
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 09/13/13 11:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6300		mg/kg	8.4	1.7	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Arsenic, Total	9.1		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Barium, Total	270		mg/kg	0.84	0.25	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Beryllium, Total	2.2		mg/kg	0.42	0.08	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Cadmium, Total	1.3		mg/kg	0.84	0.06	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Calcium, Total	33000		mg/kg	8.4	2.5	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Chromium, Total	37		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Cobalt, Total	29		mg/kg	1.7	0.42	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Copper, Total	570		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Iron, Total	31000		mg/kg	4.2	1.7	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Lead, Total	700		mg/kg	4.2	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Magnesium, Total	7000		mg/kg	8.4	0.84	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Manganese, Total	330		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Mercury, Total	1.1		mg/kg	0.07	0.02	1	09/21/13 12:30	09/23/13 10:17	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.1	0.34	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Potassium, Total	830		mg/kg	210	34.	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Selenium, Total	0.72	J	mg/kg	1.7	0.25	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Silver, Total	0.27	J	mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Sodium, Total	600		mg/kg	170	25.	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.84	0.08	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Zinc, Total	2700		mg/kg	42	5.9	20	09/19/13 09:49	09/20/13 16:41	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637358-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637383-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637358-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	91		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	93		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	104		-		66-134	-		
Sodium, Total	98		-		74-127	-		
Thallium, Total	91		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637358-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637383-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	105	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	104	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	108	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10												
Aluminum, Total	5900	183	7400	**818**	Q	-	-		75-125	-		35
Antimony, Total	ND	45.8	55	120		-	-		75-125	-		35
Arsenic, Total	12.	11	27	**136**	Q	-	-		75-125	-		35
Barium, Total	160	183	380	120		-	-		75-125	-		35
Beryllium, Total	0.70	4.58	5.4	102		-	-		75-125	-		35
Cadmium, Total	1.1	4.68	5.3	90		-	-		75-125	-		35
Calcium, Total	13000	917	17000	**436**	Q	-	-		75-125	-		35
Chromium, Total	16.	18.3	31	82		-	-		75-125	-		35
Cobalt, Total	13.	45.8	48	76		-	-		75-125	-		35
Copper, Total	170	22.9	260	**392**	Q	-	-		75-125	-		35
Iron, Total	26000	91.7	23000	**0**	Q	-	-		75-125	-		35
Lead, Total	550	46.8	1400	**1820**	Q	-	-		75-125	-		35
Magnesium, Total	4600	917	6300	**185**	Q	-	-		75-125	-		35
Manganese, Total	230	45.8	210	**0**	Q	-	-		75-125	-		35
Nickel, Total	26.	45.8	62	78		-	-		75-125	-		35
Potassium, Total	720	917	1500	85		-	-		75-125	-		35
Selenium, Total	1.1J	11	11	100		-	-		75-125	-		35
Silver, Total	ND	27.5	27	98		-	-		75-125	-		35
Sodium, Total	210	917	1200	108		-	-		75-125	-		35
Thallium, Total	ND	11	7.6	**69**	Q	-	-		75-125	-		35
Vanadium, Total	19.	45.8	65	100		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10										
Zinc, Total	600	45.8	470	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637383-4 QC Sample: L1318339-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.34J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	0.10J	2	2.2	110		-	-	75-125	-	20
Lead, TCLP	0.14J	5.1	5.4	106		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.54	108		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Aluminum, Total	5900	6400	mg/kg	8		35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	12.	20	mg/kg	**50**	Q	35
Barium, Total	160	200	mg/kg	22		35
Beryllium, Total	0.70	1.2	mg/kg	**53**	Q	35
Cadmium, Total	1.1	1.6	mg/kg	**37**	Q	35
Calcium, Total	13000	14000	mg/kg	7		35
Chromium, Total	16.	30	mg/kg	**61**	Q	35
Cobalt, Total	13.	18	mg/kg	32		35
Copper, Total	170	310	mg/kg	**58**	Q	35
Iron, Total	26000	30000	mg/kg	14		35
Lead, Total	550	910	mg/kg	**49**	Q	35
Magnesium, Total	4600	3700	mg/kg	22		35
Manganese, Total	230	290	mg/kg	23		35
Nickel, Total	26.	35	mg/kg	30		35
Potassium, Total	720	700	mg/kg	3		35
Selenium, Total	1.1J	1.7J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	210	350	mg/kg	**50**	Q	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Thallium, Total	ND	ND	mg/kg	NC		35
Vanadium, Total	19.	23	mg/kg	19		35
Zinc, Total	600	1200	mg/kg	**67**	Q	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637383-3 QC Sample: L1318339-01 Client ID: DUP Sample						
Lead, TCLP	0.14J	0.15J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Mercury, Total	0.72	0.69	mg/kg	4		35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-01
Client ID: G1_SB-05B_8-8.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-02
Client ID: G1_SB-05B_3-3.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-03
Client ID: G1_COMP-05D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.97	0.97	1	-	09/23/13 11:29	107,-	JO
Solids, Total	82.1		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/18/13 10:00	09/18/13 15:04	1,9010C/9012A	JO
pH (H)	7.5		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.97	0.22	1	09/16/13 17:50	09/17/13 22:34	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:38	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-04
Client ID: G1_COMP-05S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	74		mg/kg	0.96	0.96	1	-	09/23/13 11:29	107,-	JO
Solids, Total	82.9		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:20	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.96	0.22	1	09/16/13 17:50	09/17/13 22:36	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:38	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05
Client ID: G1_SB-06A_3-3.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 08:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-06
Client ID: G1_SB-06A_7-7.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 09:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	64.0		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-07
Client ID: G1_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 09:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.93	0.93	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.7		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 12:55	09/18/13 16:10	1,9010C/9012A	JO
pH (H)	8.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	0.23	J	mg/kg	0.93	0.21	1	09/16/13 17:50	09/17/13 22:36	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:39	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-08
Client ID: G1_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 09:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.94	0.94	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.0		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 12:55	09/18/13 16:11	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 17:50	09/17/13 22:37	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:39	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-09
Client ID: G1_SB-04B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:25
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-10
Client ID: G1_SB-04A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:30
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.4		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11
Client ID: G1_COMP-01D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:50
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	1.0	1.0	1	-	09/23/13 11:29	107,-	JO
Solids, Total	78.5		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.2	0.29	1	09/18/13 12:55	09/18/13 16:11	1,9010C/9012A	JO
pH (H)	7.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 17:50	09/17/13 22:37	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:39	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12
Client ID: G1_COMP-01S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	53		mg/kg	0.88	0.88	1	-	09/23/13 11:29	107,-	JO
Solids, Total	90.7		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:12	1,9010C/9012A	JO
pH (H)	8.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 17:50	09/17/13 22:38	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/18/13 10:00	1,9095A	ST

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-13
Client ID: G1_DUP_091313_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 11:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14
Client ID: G1_COMP-DUP_091313_S
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 11:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	37		mg/kg	0.87	0.87	1	-	09/23/13 11:29	107,-	JO
Solids, Total	91.5		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:13	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.87	0.20	1	09/16/13 17:50	09/17/13 22:38	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 07-08,11-12,14 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 07-08,11-12,14 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35
General Chemistry - Westborough Lab Associated sample(s): 07-08,11-12,14 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
pH (H)	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG637219-1 QC Sample: L1318140-01 Client ID: DUP Sample						
Solids, Total	84.5	84.5	%	0		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 13:56

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-01A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-01B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-01C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-01D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-01E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-01F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-01G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-02A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-02B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-02C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-02D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-02E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-02F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-02G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-03A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)
L1318158-03B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-03C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-03X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-04A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)
L1318158-04B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-04C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-04X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-05A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2),NYTCL-8260H(14)
L1318158-05B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2),NYTCL-8260H(14)
L1318158-05C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2),NYTCL-8260H(14)
L1318158-05D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1318158-05E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1318158-05F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1318158-05G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-06A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-06B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-06C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-06D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-06E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-06F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-06G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-07A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-07B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-07C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-07X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-08A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-08B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-08C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-08X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-09A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-09B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-09C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-09D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-09E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-09F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-09G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-10A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-10B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-10C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-10D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-10E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-10F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-10G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-11A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)
L1318158-11B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-11C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-11X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-12A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
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Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-12B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-12C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-12E	Amber 120ml unpreserved	A	N/A	4.2	Y	Absent	PAINTF()
L1318158-12X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-13A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-13B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-13C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-13D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-13E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-13F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-13G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-14A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-14B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-14C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-14X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-15A	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1318158-15B	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)

Container Comments

L1318158-04C

L1318158-07B

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
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Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318158
Project Number: 170229002 **Report Date:** 09/25/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil □Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.□

Massachusetts Department of Environmental Protection Certi□icate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: □EPA 200.8 □or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ □EPA 200.7 □or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni□ 245.1, □300.0 □or: Nitrate-N, Fluoride, Sul□ate□□ □EPA 353.2 □or: Nitrate-N, Nitrite-N□□ □SM4500NO3-F □or: Nitrate-N and Nitrite-N□□4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: □EPA 524.2 □or: Trihalomethanes, Volatile Organics□□□504.1 □or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane□, EPA 332. Microbiology Parameters: SM9215B□EN□. SUB. SM9223□ Colilert□T SM9223B□MF-SM9222D.□

*Non-Potable Water (*Inorganic Parameters:, □EPA 200.8 □or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□□EPA 200.7 □or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□□ 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, □EPA 350.1 □or: Ammonia-N□, LACHAT 10-107-06-1-B □or Ammonia-N, SM4500NO3-F, 353.2 □or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: □EPA 624 □or Volatile Halocarbons, Volatile Aromatics□,□608 □or: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs-Water□, □EPA 625 □or SVOC Acid E□tractables and SVOC Base/Neutral E□tractables□, 600/4-81-045-PCB-Oil. Microbiology Parameters: □Colilert□T SM9223B□ Enterolert-□T: SM9222D-MF.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H□B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H□B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.□

Solid & Chemical Materials □Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water □Organic Parameters: **EPA 524.2:** Di-isopropyl ether □DIPE□, Ethyl-t-butyl ether □ETBE□, Tert-amyl methyl ether □TAME□□.

Non-Potable Water □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.□

Solid & Chemical Materials □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.□

New Jersey Department of Environmental Protection Certi□icate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5□E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dio□ane by N□Modi□ied 8270, 8015B, N□EPH.□

Solid & Chemical Materials □Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: ~~9/13/13~~ 9/14/14

ALPHA Job #: L1318158

Client Information

Client: Langan, O.R.C.

Address: 360 W 31st St. 8th Flor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NY SDEC	6 NYCRR 375 unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) Provide Category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs, Total CN, Hex chrom, Tl, Cr(VI), TCLP RCRA 8 metals	TCL RCRA char	TS	SVOC, PCB, Pest, HVS, BZO	TPH GRO							Sample Specific Comments	TOTAL # BOTTLES
18158-1	G1 SB-05B (8-8.5)	9/12/13	17:00	Soil	NB	X		X										4
2	G1 SB-05B (3-3.5)	↓	↓		NB	X		X										4
3	G1-COMP-05D-5-10				NB		X		X	X								3
4	G1-COMP-05S-0-5				NB		X		X	X								3
5	G1 SB-06A-(3-3.5)	9/13/13	8:55		NB	X		X										4
6	G1-SB-06A-(7-7.5)	9/13/13	9:00		NB	X		X										4
7	G1 COMP-06S-0-5		9:05		NB		X		X	X								3
8	G1 COMP-06D-5-10		9:10		NB		X		X	X								3
9	G1-SB-04B-(4-4.5)		10:25		NB	X		X										4
10	G1 SB-04A-(9-9.5)		10:30		NB	X		X										4
	Container Type																	
	Preservative																	

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

COOLER A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
[illegible]	9/13/13	[illegible]	9/13/13 9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318158

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygoradetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Metals (Total CN, Hex Chrom, Hg, Cr)	TCLP 8270 & metals	PCBs	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	paint filter	VOC	Sample Specific Comments	Total # Bottles
18158-11	GL_COMP_OLD_5-10	9/13/13	10:50	Soil	NB		X			X	X					3
12	GL_COMP_OLS_0-5	9/13/13	10:45	Soil	NB		X			X	X	X				4
13	GL_DUP_09132313 (4-4.5)		11:15	Soil	NB	X			X							4
14	GL_COMP_DUP_09132355		11:20	Soil	NB		X			X	X					3
15	TRIP BLANK												X			2

Container Type															
Preservative															

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

COOLER A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	Tom Fisher	9/13/13 2035
Tom Fisher	9/13/13	[illegible]	9/13/13
			9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318159
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/25/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318159-01	FB01_091313	BROOKLYN, NY	09/13/13 12:00
L1318159-02	G1_SB-02A_2.5-3	BROOKLYN, NY	09/13/13 12:55
L1318159-03	G1_SB-02A_8-8.5	BROOKLYN, NY	09/13/13 13:00
L1318159-04	G1_COMP-02S_0-5	BROOKLYN, NY	09/13/13 13:15
L1318159-05	G1_COMP-02D_5-10	BROOKLYN, NY	09/13/13 13:20
L1318159-06	TB01_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1318159-04 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The WG636954-2/-3 LCS/LCSD recoveries, associated with L1318159-01, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

PCBs

L1318159-01 has elevated detection limits due to limited sample volume available for analysis.

Pesticides

Due to a laboratory oversight, the WG636605-1 Method Blank, associated with L1318159-01, was spiked with spike solution and is not reported. The associated sample is non-detect with acceptable surrogate recoveries.

L1318159-04 and -05 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318159-04 and -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318159-04 and -05, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration, no qualification of the results was performed.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

Chromium, Hexavalent

L1318159-01 was analyzed with the method required holding time exceeded. The result is reported at the client's request.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 17:07		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01 Date Collected: 09/13/13 12:00

Client ID: FB01_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.0	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	117		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-02	Date Collected:	09/13/13 12:55
Client ID:	G1_SB-02A_2.5-3	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 20:11		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.28	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-02 Date Collected: 09/13/13 12:55

Client ID: G1_SB-02A_2.5-3 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.56	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.26	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.9	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
Methyl Acetate	ND		ug/kg	24	0.90	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-02	Date Collected:	09/13/13 12:55
Client ID:	G1_SB-02A_2.5-3	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.32	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-03	Date Collected:	09/13/13 13:00
Client ID:	G1_SB-02A_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 14:54		
Analyst:	BN		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.68	1
Bromoform	ND		ug/kg	5.9	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.4	1.2	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-03 Date Collected: 09/13/13 13:00

Client ID: G1_SB-02A_8-8.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.15	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	18		ug/kg	15	4.6	1
Carbon disulfide	ND		ug/kg	15	3.0	1
2-Butanone	4.4	J	ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.4	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.4	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.31	1
tert-Butylbenzene	ND		ug/kg	7.4	0.83	1
o-Chlorotoluene	ND		ug/kg	7.4	0.24	1
p-Chlorotoluene	ND		ug/kg	7.4	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.28	1
Naphthalene	5.8	J	ug/kg	7.4	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.85	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-03	Date Collected:	09/13/13 13:00
Client ID:	G1_SB-02A_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.41	1
p-Diethylbenzene	ND		ug/kg	5.9	0.24	1
p-Ethyltoluene	ND		ug/kg	5.9	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.67	1
Methyl cyclohexane	ND		ug/kg	5.9	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-06	Date Collected:	09/13/13 00:00
Client ID:	TB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 17:35		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-06 Date Collected: 09/13/13 00:00

Client ID: TB01_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-06	Date Collected:	09/13/13 00:00
Client ID:	TB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:20
Analytical Date:	09/20/13 21:13		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Benzaldehyde	ND		ug/l	5.0	0.60	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	79		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	09/18/13 02:21
Analytical Date:	09/19/13 13:19		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	75		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 02:05		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	630		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	8800		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	170	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	120	J	ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	4400		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04 Date Collected: 09/13/13 13:15

Client ID: G1_COMP-02S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3500		ug/kg	290	88.	2
Benzo(b)fluoranthene	4600		ug/kg	220	73.	2
Benzo(k)fluoranthene	1700		ug/kg	220	69.	2
Chrysene	4200		ug/kg	220	71.	2
Acenaphthylene	260	J	ug/kg	290	68.	2
Anthracene	1900		ug/kg	220	60.	2
Benzo(ghi)perylene	2300		ug/kg	290	75.	2
Fluorene	610		ug/kg	360	100	2
Phenanthrene	7600		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	720		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	290	80.	2
Pyrene	7400		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	380		ug/kg	360	120	2
2-Methylnaphthalene	130	J	ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	700		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	95		0-136
4-Terphenyl-d14	58		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 02:32		
Analyst:	PS		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	640		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	6500		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	730		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	2800		ug/kg	120	40.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05 Date Collected: 09/13/13 13:20

Client ID: G1_COMP-02D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2900		ug/kg	160	50.	1
Benzo(b)fluoranthene	3500		ug/kg	120	41.	1
Benzo(k)fluoranthene	1400		ug/kg	120	39.	1
Chrysene	3200		ug/kg	120	40.	1
Acenaphthylene	160		ug/kg	160	38.	1
Anthracene	1400		ug/kg	120	34.	1
Benzo(ghi)perylene	1900		ug/kg	160	42.	1
Fluorene	840		ug/kg	200	58.	1
Phenanthrene	5500		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	600		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	160	45.	1
Pyrene	5300		ug/kg	120	40.	1
Biphenyl	120	J	ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	590		ug/kg	200	68.	1
2-Methylnaphthalene	320		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	650		ug/kg	200	44.	1
Benzaldehyde	200	J	ug/kg	270	82.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	56.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	57		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/13 10:42
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG636953-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/13 10:42
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG636953-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	89		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 14:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG636954-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 14:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG636954-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53
Benzaldehyde	ND		ug/l	5.0	0.60
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	1.0
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	87		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	66.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG636953-2 WG636953-3								
Acenaphthene	84		83		37-111	1		40
2-Chloronaphthalene	72		73		40-140	1		40
Fluoranthene	114		117		40-140	3		40
Hexachlorobutadiene	40		**38**	Q	40-140	5		40
Naphthalene	72		73		40-140	1		40
Benzo(a)anthracene	111		114		40-140	3		40
Benzo(a)pyrene	112		116		40-140	4		40
Benzo(b)fluoranthene	114		113		40-140	1		40
Benzo(k)fluoranthene	117		120		40-140	3		40
Chrysene	100		104		40-140	4		40
Acenaphthylene	88		90		40-140	2		40
Anthracene	100		111		40-140	10		40
Benzo(ghi)perylene	102		104		40-140	2		40
Fluorene	86		85		40-140	1		40
Phenanthrene	109		105		40-140	4		40
Dibenzo(a,h)anthracene	105		107		40-140	2		40
Indeno(1,2,3-cd)Pyrene	109		110		40-140	1		40
Pyrene	110		114		26-127	4		40
2-Methylnaphthalene	72		74		40-140	3		40
Pentachlorophenol	77		78		9-103	1		40
Hexachlorobenzene	83		82		40-140	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG636953-2 WG636953-3								
Hexachloroethane	46		44		40-140	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	36		41		21-120
Phenol-d6	22		26		10-120
Nitrobenzene-d5	95		102		23-120
2-Fluorobiphenyl	83		90		15-120
2,4,6-Tribromophenol	102		**122**	Q	10-120
4-Terphenyl-d14	100		111		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
1,2,4-Trichlorobenzene	70		73		39-98	4		30
Bis(2-chloroethyl)ether	100		105		40-140	5		30
1,2-Dichlorobenzene	74		76		40-140	3		30
1,3-Dichlorobenzene	70		71		40-140	1		30
1,4-Dichlorobenzene	70		71		36-97	1		30
3,3'-Dichlorobenzidine	84		83		40-140	1		30
2,4-Dinitrotoluene	**124**	Q	**127**	Q	24-96	2		30
2,6-Dinitrotoluene	113		116		40-140	3		30
4-Chlorophenyl phenyl ether	100		105		40-140	5		30
4-Bromophenyl phenyl ether	107		113		40-140	5		30
Bis(2-chloroisopropyl)ether	97		103		40-140	6		30
Bis(2-chloroethoxy)methane	106		111		40-140	5		30
Hexachlorocyclopentadiene	**39**	Q	41		40-140	5		30
Isophorone	104		107		40-140	3		30
Nitrobenzene	97		105		40-140	8		30
NitrosoDiPhenylAmine(NDPA)/DPA	108		113		40-140	5		30
n-Nitrosodi-n-propylamine	100		105		29-132	5		30
Bis(2-Ethylhexyl)phthalate	111		116		40-140	4		30
Butyl benzyl phthalate	119		123		40-140	3		30
Di-n-butylphthalate	115		119		40-140	3		30
Di-n-octylphthalate	115		119		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
Diethyl phthalate	109		113		40-140	4		30
Dimethyl phthalate	112		117		40-140	4		30
Biphenyl	91		95			4		30
4-Chloroaniline	64		67		40-140	5		30
2-Nitroaniline	117		121		52-143	3		30
3-Nitroaniline	70		74		25-145	6		30
4-Nitroaniline	119		128		51-143	7		30
Dibenzofuran	98		104		40-140	6		30
1,2,4,5-Tetrachlorobenzene	78		82		2-134	5		30
Acetophenone	112		120		39-129	7		30
2,4,6-Trichlorophenol	113		118		30-130	4		30
P-Chloro-M-Cresol	**104**	Q	**108**	Q	23-97	4		30
2-Chlorophenol	84		89		27-123	6		30
2,4-Dichlorophenol	108		113		30-130	5		30
2,4-Dimethylphenol	101		106		30-130	5		30
2-Nitrophenol	102		110		30-130	8		30
4-Nitrophenol	49		49		10-80	0		30
2,4-Dinitrophenol	101		106		20-130	5		30
4,6-Dinitro-o-cresol	110		119		20-164	8		30
Phenol	34		36		12-110	6		30
2-Methylphenol	75		77		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
3-Methylphenol/4-Methylphenol	67		70		30-130	4		30
2,4,5-Trichlorophenol	113		119		30-130	5		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	73		79			8		30
Carbazole	113		117		55-144	3		30
Benzaldehyde	96		100			4		30
Caprolactam	19		22			15		30
Atrazine	125		127			2		30
2,3,4,6-Tetrachlorophenol	107		115			7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		48		21-120
Phenol-d6	31		33		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		103		15-120
2,4,6-Tribromophenol	109		111		10-120
4-Terphenyl-d14	98		99		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Acenaphthene	97		100		31-137	3		50
Benzidine	48		49			2		50
n-Nitrosodimethylamine	89		91			2		50
1,2,4-Trichlorobenzene	93		96		38-107	3		50
Hexachlorobenzene	98		100		40-140	2		50
Bis(2-chloroethyl)ether	88		90		40-140	2		50
2-Chloronaphthalene	94		97		40-140	3		50
1,2-Dichlorobenzene	92		94		40-140	2		50
1,3-Dichlorobenzene	91		94		40-140	3		50
1,4-Dichlorobenzene	91		93		28-104	2		50
3,3'-Dichlorobenzidine	82		84		40-140	2		50
2,4-Dinitrotoluene	**101**	Q	**105**	Q	28-89	4		50
2,6-Dinitrotoluene	99		104		40-140	5		50
Fluoranthene	104		108		40-140	4		50
4-Chlorophenyl phenyl ether	98		101		40-140	3		50
4-Bromophenyl phenyl ether	100		104		40-140	4		50
Azobenzene	96		98		40-140	2		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	91		92		40-117	1		50
Hexachlorobutadiene	94		100		40-140	6		50
Hexachlorocyclopentadiene	107		112		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Hexachloroethane	91		94		40-140	3		50
Isophorone	92		95		40-140	3		50
Naphthalene	94		98		40-140	4		50
Nitrobenzene	109		114		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		106			3		50
n-Nitrosodi-n-propylamine	93		96		32-121	3		50
Bis(2-Ethylhexyl)phthalate	110		**170**	Q	40-140	43		50
Butyl benzyl phthalate	110		113		40-140	3		50
Di-n-butylphthalate	114		118		40-140	3		50
Di-n-octylphthalate	115		120		40-140	4		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	99		104		40-140	5		50
Benzo(a)anthracene	99		106		40-140	7		50
Benzo(a)pyrene	108		114		40-140	5		50
Benzo(b)fluoranthene	107		110		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	99		100		40-140	1		50
Acenaphthylene	100		103		40-140	3		50
Anthracene	107		111		40-140	4		50
Benzo(ghi)perylene	101		108		40-140	7		50
Fluorene	98		103		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Phenanthrene	99		103		40-140	4		50
Dibenzo(a,h)anthracene	111		114		40-140	3		50
Indeno(1,2,3-cd)Pyrene	102		110		40-140	8		50
Pyrene	101		103		35-142	2		50
Biphenyl	105		108			3		50
Aniline	81		84		40-140	4		50
4-Chloroaniline	72		70		40-140	3		50
2-Nitroaniline	103		106		47-134	3		50
3-Nitroaniline	63		63		26-129	0		50
4-Nitroaniline	97		101		41-125	4		50
Dibenzofuran	97		101		40-140	4		50
2-Methylnaphthalene	92		94		40-140	2		50
1,2,4,5-Tetrachlorobenzene	103		107		40-117	4		50
Acetophenone	100		105		14-144	5		50
2,4,6-Trichlorophenol	114		119		30-130	4		50
P-Chloro-M-Cresol	**109**	Q	**112**	Q	26-103	3		50
2-Chlorophenol	100		**104**	Q	25-102	4		50
2,4-Dichlorophenol	109		114		30-130	4		50
2,4-Dimethylphenol	101		106		30-130	5		50
2-Nitrophenol	102		107		30-130	5		50
4-Nitrophenol	**119**	Q	**123**	Q	11-114	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
2,4-Dinitrophenol	114		125		4-130	9		50
4,6-Dinitro-o-cresol	106		115		10-130	8		50
Pentachlorophenol	102		107		17-109	5		50
Phenol	**100**	Q	**102**	Q	26-90	2		50
2-Methylphenol	103		106		30-130.	3		50
3-Methylphenol/4-Methylphenol	110		113		30-130	3		50
2,4,5-Trichlorophenol	109		114		30-130	4		50
Benzoic Acid	86		94			9		50
Benzyl Alcohol	94		101		40-140	7		50
Carbazole	101		103		54-128	2		50
Benzaldehyde	94		94			0		50
Caprolactam	109		114			4		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	113		114			1		50
Pyridine	78		78		10-93	0		50
Parathion, ethyl	129		134		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	104		107		25-120
Phenol-d6	99		102		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		101		30-120
2,4,6-Tribromophenol	104		108		0-136
4-Terphenyl-d14	90		93		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 19:36		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	130	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	73		70-130
4-Bromofluorobenzene	80		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04 D	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 18:50		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	403000		ug/kg	70100	6860	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 20:17		
Analyst:	JV		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	710	J	ug/kg	3100	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	75		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05 D	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 16:46		
Analyst:	AR		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	492000		ug/kg	195000	19100	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	103		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04-05 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04-05 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-05 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: MS Sample												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: DUP Sample					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	09/17/13 21:59
Analytical Date:	09/19/13 21:22	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/18/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:29	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	6.93	1	A
Aroclor 1221	ND		ug/kg	35.1	10.6	1	A
Aroclor 1232	ND		ug/kg	35.1	7.46	1	A
Aroclor 1242	ND		ug/kg	35.1	6.66	1	A
Aroclor 1248	ND		ug/kg	35.1	4.25	1	A
Aroclor 1254	ND		ug/kg	35.1	5.53	1	A
Aroclor 1260	ND		ug/kg	35.1	6.09	1	A
Aroclor 1262	ND		ug/kg	35.1	2.60	1	A
Aroclor 1268	ND		ug/kg	35.1	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:42	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	81%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	7.75	1	A
Aroclor 1221	ND		ug/kg	39.2	11.8	1	A
Aroclor 1232	ND		ug/kg	39.2	8.34	1	A
Aroclor 1242	ND		ug/kg	39.2	7.45	1	A
Aroclor 1248	ND		ug/kg	39.2	4.75	1	A
Aroclor 1254	ND		ug/kg	39.2	6.18	1	A
Aroclor 1260	ND		ug/kg	39.2	6.81	1	A
Aroclor 1262	ND		ug/kg	39.2	2.90	1	A
Aroclor 1268	ND		ug/kg	39.2	5.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-05 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/19/13 20:29
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 09/17/13 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/18/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG636894-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG636894-2 WG636894-3									
Aroclor 1016	81		83		40-140	3		50	A
Aroclor 1260	71		76		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		64		30-150	A
Decachlorobiphenyl	76		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		61		30-150	B
Decachlorobiphenyl	63		66		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/17/13 02:15
Analytical Date:	09/18/13 22:37	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/17/13 06:44
Analytical Date:	09/18/13 19:22	Methylation Date:	09/18/13 03:41
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:52	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	21.7	1	A
2,4,5-T	ND		ug/kg	179	11.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	9.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04 D	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:25	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.3	3.39	10	A
Lindane	ND		ug/kg	7.22	3.23	10	A
Alpha-BHC	ND		ug/kg	7.22	2.05	10	A
Beta-BHC	ND		ug/kg	17.3	6.57	10	A
Heptachlor	ND		ug/kg	8.66	3.88	10	A
Aldrin	ND		ug/kg	17.3	6.10	10	A
Heptachlor epoxide	ND		ug/kg	32.5	9.74	10	A
Endrin	ND		ug/kg	7.22	2.96	10	A
Endrin ketone	ND		ug/kg	17.3	4.46	10	A
Dieldrin	ND		ug/kg	10.8	5.41	10	A
4,4'-DDE	ND		ug/kg	17.3	4.00	10	A
4,4'-DDD	ND		ug/kg	17.3	6.18	10	A
4,4'-DDT	31.8	J	ug/kg	32.5	13.9	10	A
Endosulfan I	ND		ug/kg	17.3	4.09	10	A
Endosulfan II	ND		ug/kg	17.3	5.79	10	A
Endosulfan sulfate	ND		ug/kg	7.22	3.30	10	A
Methoxychlor	ND		ug/kg	32.5	10.1	10	A
Toxaphene	ND		ug/kg	325	90.9	10	A
cis-Chlordane	ND		ug/kg	21.6	6.03	10	A
trans-Chlordane	ND		ug/kg	21.6	5.72	10	A
Chlordane	ND		ug/kg	141	57.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 11:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	203	24.6	1	A
2,4,5-T	ND		ug/kg	203	12.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	203	11.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05 D	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:38	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.5	3.83	10	A
Lindane	ND		ug/kg	8.14	3.64	10	A
Alpha-BHC	ND		ug/kg	8.14	2.31	10	A
Beta-BHC	ND		ug/kg	19.5	7.41	10	A
Heptachlor	ND		ug/kg	9.77	4.38	10	A
Aldrin	ND		ug/kg	19.5	6.88	10	A
Heptachlor epoxide	ND		ug/kg	36.6	11.0	10	A
Endrin	ND		ug/kg	8.14	3.34	10	A
Endrin ketone	ND		ug/kg	19.5	5.03	10	A
Dieldrin	ND		ug/kg	12.2	6.11	10	A
4,4'-DDE	ND		ug/kg	19.5	4.52	10	A
4,4'-DDD	ND		ug/kg	19.5	6.97	10	A
4,4'-DDT	ND		ug/kg	36.6	15.7	10	A
Endosulfan I	ND		ug/kg	19.5	4.62	10	A
Endosulfan II	ND		ug/kg	19.5	6.53	10	A
Endosulfan sulfate	ND		ug/kg	8.14	3.72	10	A
Methoxychlor	ND		ug/kg	36.6	11.4	10	A
Toxaphene	ND		ug/kg	366	103.	10	A
cis-Chlordane	ND		ug/kg	24.4	6.81	10	A
trans-Chlordane	ND		ug/kg	24.4	6.45	10	A
Chlordane	ND		ug/kg	159	64.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	**165**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/18/13 18:02
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/17/13 06:44

Methylation Date: 09/18/13 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG636619-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	66		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 09:34
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/18/13 19:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-05 Batch: WG637232-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.293	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-05 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636605-2 WG636605-3									
Delta-BHC	107		78		30-150	**31**	Q	20	A
Lindane	103		78		30-150	**27**	Q	20	A
Alpha-BHC	98		72		30-150	**30**	Q	20	A
Beta-BHC	103		81		30-150	**24**	Q	20	A
Heptachlor	78		63		30-150	**21**	Q	20	A
Aldrin	69		57		30-150	18		20	A
Heptachlor epoxide	95		71		30-150	**29**	Q	20	A
Endrin	117		86		30-150	**31**	Q	20	A
Endrin ketone	107		74		30-150	**36**	Q	20	A
Dieldrin	103		76		30-150	**30**	Q	20	A
4,4'-DDE	92		69		30-150	**28**	Q	20	A
4,4'-DDD	106		78		30-150	**31**	Q	20	A
4,4'-DDT	108		80		30-150	**30**	Q	20	A
Endosulfan I	99		74		30-150	**29**	Q	20	A
Endosulfan II	95		67		30-150	**34**	Q	20	A
Endosulfan sulfate	101		70		30-150	**37**	Q	20	A
Methoxychlor	111		79		30-150	**33**	Q	20	A
cis-Chlordane	94		71		30-150	**27**	Q	20	A
trans-Chlordane	88		70		30-150	**24**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636605-2 WG636605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		48		30-150	A
Decachlorobiphenyl	123		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		39		30-150	B
Decachlorobiphenyl	143		137		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636619-2 WG636619-3									
2,4-D	107		98		30-150	9		25	A
2,4,5-T	101		97		30-150	4		25	A
2,4,5-TP (Silvex)	101		98		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		96		30-150	A
DCAA	81		79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637232-2 WG637232-3									
Delta-BHC	76		82		30-150	8		30	A
Lindane	68		81		30-150	17		30	A
Alpha-BHC	74		77		30-150	4		30	A
Beta-BHC	78		82		30-150	5		30	A
Heptachlor	79		83		30-150	5		30	A
Aldrin	78		82		30-150	5		30	A
Heptachlor epoxide	69		73		30-150	6		30	A
Endrin	80		85		30-150	6		30	A
Endrin ketone	69		72		30-150	4		30	A
Dieldrin	72		77		30-150	7		30	A
4,4'-DDE	70		74		30-150	6		30	A
4,4'-DDD	72		77		30-150	7		30	A
4,4'-DDT	72		75		30-150	4		30	A
Endosulfan I	72		76		30-150	5		30	A
Endosulfan II	64		67		30-150	5		30	A
Endosulfan sulfate	67		70		30-150	4		30	A
Methoxychlor	70		74		30-150	6		30	A
cis-Chlordane	71		77		30-150	8		30	A
trans-Chlordane	72		76		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637232-2 WG637232-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	102		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		76		30-150	B
Decachlorobiphenyl	117		137		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01
Client ID: FB01_091313
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/13/13 12:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Barium, Total	0.00025	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Calcium, Total	0.0504	J	mg/l	0.100	0.0320	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Chromium, Total	0.00100		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Manganese, Total	0.00031	J	mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 14:55	EPA 7470A	1,7470A	JH
Nickel, Total	0.00036	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Sodium, Total	0.177		mg/l	0.100	0.0150	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Barium, TCLP	0.37	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Lead, TCLP	0.72		mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:18	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04
Client ID: G1_COMP-02S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 13:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7900		mg/kg	8.4	1.7	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.68	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Arsenic, Total	7.2		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Barium, Total	390		mg/kg	0.84	0.25	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Beryllium, Total	3.7		mg/kg	0.42	0.08	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.84	0.06	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Calcium, Total	83000		mg/kg	8.4	2.5	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Chromium, Total	43		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Cobalt, Total	25		mg/kg	1.7	0.42	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Copper, Total	480		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Iron, Total	25000		mg/kg	4.2	1.7	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Lead, Total	1600		mg/kg	4.2	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Magnesium, Total	27000		mg/kg	8.4	0.84	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Mercury, Total	0.49		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:19	EPA 7471B	1,7471B	MC
Nickel, Total	44		mg/kg	2.1	0.34	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	210	34.	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Selenium, Total	0.66	J	mg/kg	1.7	0.25	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Sodium, Total	810		mg/kg	170	25.	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Vanadium, Total	24		mg/kg	0.84	0.08	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Zinc, Total	2800		mg/kg	21	3.0	10	09/19/13 11:28	09/20/13 11:06	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Barium, TCLP	0.16	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:23	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05
Client ID: G1_COMP-02D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 09/13/13 13:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	9.6	1.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Arsenic, Total	46		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Barium, Total	170		mg/kg	0.96	0.29	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Beryllium, Total	0.32	J	mg/kg	0.48	0.10	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Cadmium, Total	0.80	J	mg/kg	0.96	0.07	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Calcium, Total	7700		mg/kg	9.6	2.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Cobalt, Total	3.6		mg/kg	1.9	0.48	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Copper, Total	130		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.8	1.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Lead, Total	160		mg/kg	4.8	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Magnesium, Total	720		mg/kg	9.6	0.96	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Manganese, Total	90		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Mercury, Total	0.46		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:21	EPA 7471B	1,7471B	MC
Nickel, Total	8.8		mg/kg	2.4	0.38	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Potassium, Total	610		mg/kg	240	38.	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Selenium, Total	4.0		mg/kg	1.9	0.29	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Sodium, Total	790		mg/kg	190	29.	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Vanadium, Total	15		mg/kg	0.96	0.10	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Zinc, Total	74		mg/kg	4.8	0.67	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG636695-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Chromium, Total	0.00066	J	mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Manganese, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Nickel, Total	0.00029	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Sodium, Total	0.0273	J	mg/l	0.100	0.0150	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-05 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND	mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND	mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2	mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND	mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND	mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND	mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND	mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND	mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND	mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND	mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND	mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND	mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-05 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG637983-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 14:48	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-05 Batch: WG637994-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Barium, TCLP	0.05	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Lead, TCLP	0.02	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/20/13 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-05 Batch: WG638032-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:15	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/20/13 15:00

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG636695-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	95		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	99		-		80-120	-		
Cadmium, Total	103		-		80-120	-		
Calcium, Total	103		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	102		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Nickel, Total	99		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	96		-		80-120	-		
Silver, Total	95		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG636695-2					
Zinc, Total	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	78	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG637983-2					
Mercury, Total	94	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 Batch: WG637994-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 Batch: WG638032-2					
Mercury, TCLP	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-4 QC Sample: L1318233-01 Client ID: MS Sample												
Aluminum, Total	ND	2	2.04	102		-	-		80-120	-		20
Antimony, Total	ND	0.5	0.4623	92		-	-		80-120	-		20
Arsenic, Total	ND	0.12	0.1150	96		-	-		80-120	-		20
Barium, Total	ND	2	1.864	93		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04618	92		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.05040	99		-	-		80-120	-		20
Calcium, Total	ND	10	9.98	100		-	-		80-120	-		20
Chromium, Total	0.00073J	0.2	0.1953	98		-	-		80-120	-		20
Cobalt, Total	ND	0.5	0.5000	100		-	-		80-120	-		20
Copper, Total	ND	0.25	0.2470	99		-	-		80-120	-		20
Iron, Total	ND	1	1.06	106		-	-		80-120	-		20
Lead, Total	ND	0.51	0.4963	97		-	-		80-120	-		20
Magnesium, Total	ND	10	10.2	102		-	-		80-120	-		20
Manganese, Total	0.0006J	0.5	0.4679	94		-	-		80-120	-		20
Nickel, Total	0.00028J	0.5	0.4879	98		-	-		80-120	-		20
Potassium, Total	ND	10	9.90	99		-	-		80-120	-		20
Selenium, Total	ND	0.12	0.113	94		-	-		80-120	-		20
Silver, Total	ND	0.05	0.04677	94		-	-		80-120	-		20
Sodium, Total	0.022J	10	10.2	102		-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1118	93		-	-		80-120	-		20
Vanadium, Total	ND	0.5	0.4777	96		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-4 QC Sample: L1318233-01 Client ID: MS Sample									
Zinc, Total	0.00225J	0.5	0.4902	98	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Aluminum, Total	1500	194	2700	**618**	Q	-	-	75-125	-	35
Antimony, Total	4.4J	48.5	52	107		-	-	75-125	-	35
Arsenic, Total	12.	11.6	23	86		-	-	75-125	-	35
Barium, Total	360	194	670	**154**	Q	-	-	75-125	-	35
Beryllium, Total	0.22J	4.85	5.1	105		-	-	75-125	-	35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-	75-125	-	35
Calcium, Total	620	971	4700	**419**	Q	-	-	75-125	-	35
Chromium, Total	14.	19.4	27	**62**	Q	-	-	75-125	-	35
Cobalt, Total	3.4	48.5	49	94		-	-	75-125	-	35
Copper, Total	130	24.3	120	**0**	Q	-	-	75-125	-	35
Iron, Total	5800	97.1	5200	**0**	Q	-	-	75-125	-	35
Lead, Total	420	49.5	280	**0**	Q	-	-	75-125	-	35
Magnesium, Total	290	971	1200	93		-	-	75-125	-	35
Manganese, Total	56.	48.5	110	107		-	-	75-125	-	35
Nickel, Total	15.	48.5	56	84		-	-	75-125	-	35
Potassium, Total	220J	971	1300	**134**	Q	-	-	75-125	-	35
Selenium, Total	6.1	11.6	16	84		-	-	75-125	-	35
Silver, Total	0.26J	29.1	28	96		-	-	75-125	-	35
Sodium, Total	120J	971	1200	124		-	-	75-125	-	35
Thallium, Total	ND	11.6	10	86		-	-	75-125	-	35
Vanadium, Total	8.1	48.5	54	94		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-4 QC Sample: L1318159-01 Client ID: FB01_091313										
Mercury, Total	ND	0.005	0.00585	117		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637994-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.37J	20	20	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.51	100		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95		-	-	75-125	-	20
Lead, TCLP	0.72	5.1	6.0	104		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG638032-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5										
Mercury, TCLP	ND	0.025	0.0253	101		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-3 QC Sample: L1318233-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00073J	0.00069J	mg/l	NC		20
Copper, Total	ND	0.00015J	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.00028J	0.00030J	mg/l	NC		20
Zinc, Total	0.00225J	0.00225J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-3 QC Sample: L1318159-01 Client ID: FB01_091313					
Mercury, Total	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637994-3 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.37J	0.38J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.72	0.71	mg/l	1	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG638032-3 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01
Client ID: FB01_091313
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/13/13 12:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/23/13 11:33	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 14:12	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/14/13 18:30	09/14/13 18:52	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-02
Client ID: G1_SB-02A_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 12:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-03
Client ID: G1_SB-02A_8-8.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.6		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04
Client ID: G1_COMP-02S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	43		mg/kg	0.88	0.88	1	-	09/23/13 11:29	107,-	JO
Solids, Total	90.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:14	1,9010C/9012A	JO
pH (H)	8.3		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 22:00	09/18/13 00:22	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05
Client ID: G1_COMP-02D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.99	0.99	1	-	09/23/13 11:29	107,-	JO
Solids, Total	80.9		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	09/18/13 12:55	09/18/13 16:14	1,9010C/9012A	JO
pH (H)	8.9		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.99	0.22	1	09/16/13 22:00	09/18/13 00:23	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG636181-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/14/13 18:30	09/14/13 18:51	1,7196A	EL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG636224-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:41	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG636181-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG636224-4 WG636224-5								
Cyanide, Total	98		101		80-120	3		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636181-4 QC Sample: L1318159-01 Client ID: FB01_091313												
Chromium, Hexavalent	ND	0.1	0.101	101		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636224-3 WG636224-2 QC Sample: L1318119-09 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.197	98		0.198	99		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636181-3 QC Sample: L1318159-01 Client ID: FB01_091313						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG636928-1 QC Sample: L1318159-02 Client ID: G1_SB-02A_2.5-3						
Solids, Total	88.5	89.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 15:00

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-01A	Plastic 500ml HNO3 preserved	A	<2	4.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1318159-01B	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1318159-01C	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	HERB-APA(7)
L1318159-01D	Amber 500ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8081(7)
L1318159-01E	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318159-01F	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-01G	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-01H	Plastic 1000ml unpreserved	A	7	4.1	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1318159-01I	Plastic 250ml NaOH preserved	A	>12	4.1	Y	Absent	TCN-9010(14)
L1318159-01J	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-02A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02D	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02E	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02F	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02G	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1318159-03A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-03B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-03C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-03D	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03E	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03F	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03G	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1318159-04A	Vial Large Septa unpreserved	A	N/A	4.1	Y	Absent	TPH-GRO(14)
L1318159-04B	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-04C	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-04X	Plastic 250ml HNO3 preserved spl	A	N/A	4.1	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318159-05A	Vial Large Septa unpreserved	A	N/A	4.1	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-05B	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-05C	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-05X	Plastic 250ml HNO3 preserved spl	A	N/A	4.1	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318159-06A	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-06B	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)

Container Comments

L1318159-03C

L1318159-04B

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	to NYCRR 375 unrestricted use SCO

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 PAST	SVOC	PCB	Herb	Hexchrom, Trichrom	VOC	Total CN	TAL Metals	VOC	Temp Blank	Sample Specific Comments	Total # Bottles
16159-1	Field Blank	9/13/13	12:00	AQ	NB	X										FB01_091313	1
1	Field Blank		12:01		NB		X										1
1	Field Blank		12:02		NB			X									1
1	Field Blank		12:03		NB				X								1
1	Field Blank		12:04		NB					X							1
1	Field Blank		12:05		NB						X						3
1	Field Blank		12:06		NB							X					1
1	Field Blank		12:07		NB								X				1
NB	~~Field Blank~~ Trip Blank		12:08		NB									X			2
	Temp Blank	✓	12:09	✓	NB										X		1

Container Type												
Preservative												

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

COOLER B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible] Tom Poole	9/13/13 2035	Tom Poole	9/13/13 2035
Tom Poole	9/13/13	BC	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C
Address: 360 W 31st St, 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229.002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139613

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (Tal. metals, Total Cn, Hex Chrom, TS, Cyanide, TCLP, RCRA 8 Metals, RCRA Char.)	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO VOC	Sample Specific Comments	Total # Bottles
18159-2	G1_SB-02A_(2.5-3)	9/13/13	12:55	Soil	NB	X	X		G1_SB-02A_2.5-3	4
3	G1_SB-02A_(8-8.5)		13:00		NB	X	X		G1_SB-02A_8.8.5	4
4	G1_COMP-02S_0-5		13:15		NB	X	X X		G1_COMP-02S_0-5	3
5	G1_COMP_02D_5-10		13:20		NB	X	X X		G1_COMP-02D_5-10	3
6	TRIP BLANK							X	TB01_091313	2

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

-ks 9/24/13

COOLER B

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
Tom Fisher		[illegible]	9/14/13 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	to NYCRR 375 unrestricted use SCO

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+ 8 PAST	SVOC	PCB	Herb	Hexchrom, Trichrom	VOC	Total CN	TAL Metals	VOC	Temp Blank	Sample Specific Comments	Total # Bottles
16159-1	Field Blank	9/13/13	12:00	AQ	NB	X											1
1	Field Blank		12:01		NB		X										1
1	Field Blank		12:02		NB			X									1
1	Field Blank		12:03		NB				X								1
1	Field Blank		12:04		NB					X							1
1	Field Blank		12:05		NB						X						3
1	Field Blank		12:06		NB							X					1
1	Field Blank		12:07		NB								X				1
NB	~~Field Blank~~ Trip Blank		12:08		NB									X			2
	Temp Blank	✓	12:09	✓	NB										X		1

Container Type												
Preservative												

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

COOLER B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible] Tom Poole	9/13/13 2035	Tom Poole	9/13/13 2035
[illegible]	9/13/13	[illegible]	9/14/14 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C
Address: 360 W 31st St, 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229.002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139613

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (Ta/mxylenes, Tetrachl. Hex Chrom., TS, Chrom. TCLP, Metals, RCRA Char.)	SVOC, RCRA, PCB, Pest, Herb, TPH DRO	TPH GRO VOC	Sample Specific Comments	Total # Bottles
18159-2	GI-SB-02A-(2.5-3)	9/13/13	12:55	Soil	NB	X	X			4
3	GI-SB-02A-(8-8.5)		13:00		NB	X	X			4
4	GI-COMP-02S-0-5		13:15		NB	X	X X	X		3
5	GI-COMP-02D-5-10		13:20		NB	X	X X	X		3
6	TRIP BLANK							X		2

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

COOLER B

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
Tom Fisher		[illegible]	9/14/13 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318161
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	10/03/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318161-01	G1_SB-10B_4-4.5	BROOKLYN, NY	09/13/13 17:45
L1318161-02	G1_SB-10B_9.5-10	BROOKLYN, NY	09/13/13 17:50
L1318161-03	G1_COMP-10S_0-5	BROOKLYN, NY	09/13/13 18:00
L1318161-04	G1_COMP-10D_5-10	BROOKLYN, NY	09/13/13 18:05
L1318161-05	TB02_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318161
Project Number: 170229002 **Report Date:** 10/03/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

Case Narrative (continued)

Report Submission

This report replaces the report issued September 25, 2013. At the client's request, the Client IDs were changed on L1318161-01 through -04.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1318161-01: The internal standard (IS) response(s) for chlorobenzene-d5 (38%) and 1,4-dichlorobenzene-d4 (12%) and the surrogate recoveries for toluene-d8 (148%) and 4-bromofluorobenzene (182%) were outside the acceptance criteria; however, re-analysis achieved similar results for chlorobenzene-d5 (25%) and 1,4-dichlorobenzene-d4 (6%) and the surrogate recoveries for toluene-d8 (190%) and 4-bromofluorobenzene (201%). The results of both analyses are reported.

Organochlorine Pesticides

L1318161-03 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318161-03 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318161-03 and -04, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 10/03/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 21:08		
Analyst:	PP		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.43	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.0	0.64	1
Bromoform	ND		ug/kg	5.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	11		ug/kg	7.0	1.1	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.34	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01 Date Collected: 09/13/13 17:45

Client ID: G1_SB-10B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.15	1
p/m-Xylene	ND		ug/kg	2.8	0.45	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.44	1
Dichlorodifluoromethane	ND		ug/kg	14	0.31	1
Acetone	8.2	J	ug/kg	14	4.4	1
Carbon disulfide	11	J	ug/kg	14	2.8	1
2-Butanone	ND		ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.67	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	7.0	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.0	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.0	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.0	0.79	1
o-Chlorotoluene	ND		ug/kg	7.0	0.22	1
p-Chlorotoluene	ND		ug/kg	7.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.59	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	10		ug/kg	1.4	0.27	1
Naphthalene	18		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	14	0.33	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.0	0.81	1
Methyl Acetate	ND		ug/kg	28	1.1	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	24.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.38	1
p-Diethylbenzene	ND		ug/kg	5.6	0.22	1
p-Ethyltoluene	ND		ug/kg	5.6	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.18	1
Ethyl ether	ND		ug/kg	7.0	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	0.63	1
Methyl cyclohexane	ND		ug/kg	5.6	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	**148**	Q	70-130
4-Bromofluorobenzene	**182**	Q	70-130
Dibromofluoromethane	108		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	R	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 15:23			
Analyst:	PP			
Percent Solids:	94%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.68	1
Bromoform	ND		ug/kg	5.9	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	1.2	J	ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	36		ug/kg	7.4	1.2	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01 R Date Collected: 09/13/13 17:45

Client ID: G1_SB-10B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.15	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	14	J	ug/kg	15	4.6	1
Carbon disulfide	36		ug/kg	15	3.0	1
2-Butanone	ND		ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.4	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.4	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.30	1
tert-Butylbenzene	ND		ug/kg	7.4	0.83	1
o-Chlorotoluene	ND		ug/kg	7.4	0.24	1
p-Chlorotoluene	ND		ug/kg	7.4	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	34		ug/kg	1.5	0.28	1
Naphthalene	50		ug/kg	7.4	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.85	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	R	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.40	1
p-Diethylbenzene	ND		ug/kg	5.9	0.24	1
p-Ethyltoluene	ND		ug/kg	5.9	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.4	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.66	1
Methyl cyclohexane	ND		ug/kg	5.9	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	**190**	Q	70-130
4-Bromofluorobenzene	**201**	Q	70-130
Dibromofluoromethane	115		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-02	Date Collected:	09/13/13 17:50
Client ID:	G1_SB-10B_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 21:36		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.92	0.13	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.10	1
Bromodichloromethane	ND		ug/kg	0.92	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.16	1
Benzene	ND		ug/kg	0.92	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.92	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.92	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-02 Date Collected: 09/13/13 17:50

Client ID: G1_SB-10B_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.14	1
Dibromomethane	ND		ug/kg	9.2	0.15	1
Styrene	ND		ug/kg	1.8	0.28	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.20	1
Acetone	6.3	J	ug/kg	9.2	2.9	1
Carbon disulfide	ND		ug/kg	9.2	1.8	1
2-Butanone	ND		ug/kg	9.2	0.33	1
Vinyl acetate	ND		ug/kg	9.2	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.21	1
2-Hexanone	ND		ug/kg	9.2	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.92	0.18	1
sec-Butylbenzene	ND		ug/kg	0.92	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.92	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.2	0.22	1
n-Propylbenzene	ND		ug/kg	0.92	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.70	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	92	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-02	Date Collected:	09/13/13 17:50
Client ID:	G1_SB-10B_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.41	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	87		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-05	Date Collected:	09/13/13 00:00
Client ID:	TB02_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:02		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-05 Date Collected: 09/13/13 00:00

Client ID: TB02_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-05	Date Collected:	09/13/13 00:00
Client ID:	TB02_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318161

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 03:00		
Analyst:	PS		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	830		ug/kg	180	46.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	73.	1
Hexachlorobenzene	ND		ug/kg	130	41.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	62.	1
2-Chloronaphthalene	ND		ug/kg	220	72.	1
1,2-Dichlorobenzene	ND		ug/kg	220	73.	1
1,3-Dichlorobenzene	ND		ug/kg	220	70.	1
1,4-Dichlorobenzene	ND		ug/kg	220	68.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	48.	1
2,6-Dinitrotoluene	ND		ug/kg	220	57.	1
Fluoranthene	3600		ug/kg	130	41.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	68.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	51.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	78.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	67.	1
Hexachlorobutadiene	ND		ug/kg	220	63.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	140	1
Hexachloroethane	ND		ug/kg	180	40.	1
Isophorone	ND		ug/kg	200	59.	1
Naphthalene	8300		ug/kg	220	74.	1
Nitrobenzene	ND		ug/kg	200	53.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	66.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	58.	1
Butyl benzyl phthalate	ND		ug/kg	220	43.	1
Di-n-butylphthalate	44	J	ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	55.	1
Diethyl phthalate	ND		ug/kg	220	47.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1
Benzo(a)anthracene	1400		ug/kg	130	44.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03 Date Collected: 09/13/13 18:00

Client ID: G1_COMP-10S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1300		ug/kg	180	54.	1
Benzo(b)fluoranthene	1600		ug/kg	130	45.	1
Benzo(k)fluoranthene	780		ug/kg	130	42.	1
Chrysene	1500		ug/kg	130	44.	1
Acenaphthylene	150	J	ug/kg	180	42.	1
Anthracene	1000		ug/kg	130	37.	1
Benzo(ghi)perylene	880		ug/kg	180	46.	1
Fluorene	720		ug/kg	220	64.	1
Phenanthrene	3500		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	250		ug/kg	130	43.	1
Indeno(1,2,3-cd)Pyrene	930		ug/kg	180	49.	1
Pyrene	2900		ug/kg	130	43.	1
Biphenyl	240	J	ug/kg	510	73.	1
4-Chloroaniline	ND		ug/kg	220	59.	1
2-Nitroaniline	ND		ug/kg	220	63.	1
3-Nitroaniline	ND		ug/kg	220	61.	1
4-Nitroaniline	ND		ug/kg	220	60.	1
Dibenzofuran	620		ug/kg	220	74.	1
2-Methylnaphthalene	1200		ug/kg	270	71.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	69.	1
Acetophenone	ND		ug/kg	220	69.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
P-Chloro-M-Cresol	ND		ug/kg	220	64.	1
2-Chlorophenol	ND		ug/kg	220	67.	1
2,4-Dichlorophenol	ND		ug/kg	200	72.	1
2,4-Dimethylphenol	ND		ug/kg	220	66.	1
2-Nitrophenol	ND		ug/kg	480	69.	1
4-Nitrophenol	ND		ug/kg	310	72.	1
2,4-Dinitrophenol	ND		ug/kg	1100	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	81.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	66.	1
2-Methylphenol	ND		ug/kg	220	72.	1
3-Methylphenol/4-Methylphenol	230	J	ug/kg	320	73.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	72.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	530		ug/kg	220	48.	1
Benzaldehyde	660		ug/kg	290	90.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	61.	1
Atrazine	ND		ug/kg	180	50.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	80		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D2	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/25/13 03:17		
Analyst:	PS		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	180000		ug/kg	6500	2000	50
Benzo(b)fluoranthene	88000		ug/kg	6500	2200	50
Phenanthrene	220000		ug/kg	6500	2100	50
Pyrene	140000		ug/kg	6500	2100	50

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 03:28		
Analyst:	PS		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	22000		ug/kg	1700	440	10
1,2,4-Trichlorobenzene	ND		ug/kg	2200	710	10
Hexachlorobenzene	ND		ug/kg	1300	400	10
Bis(2-chloroethyl)ether	ND		ug/kg	1900	600	10
2-Chloronaphthalene	ND		ug/kg	2200	700	10
1,2-Dichlorobenzene	ND		ug/kg	2200	710	10
1,3-Dichlorobenzene	ND		ug/kg	2200	680	10
1,4-Dichlorobenzene	ND		ug/kg	2200	660	10
3,3'-Dichlorobenzidine	ND		ug/kg	2200	570	10
2,4-Dinitrotoluene	ND		ug/kg	2200	460	10
2,6-Dinitrotoluene	ND		ug/kg	2200	550	10
Fluoranthene	160000	E	ug/kg	1300	400	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2200	660	10
4-Bromophenyl phenyl ether	ND		ug/kg	2200	500	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2600	760	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2300	650	10
Hexachlorobutadiene	ND		ug/kg	2200	610	10
Hexachlorocyclopentadiene	ND		ug/kg	6200	1400	10
Hexachloroethane	ND		ug/kg	1700	390	10
Isophorone	ND		ug/kg	1900	570	10
Naphthalene	35000		ug/kg	2200	720	10
Nitrobenzene	ND		ug/kg	1900	510	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1700	450	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2200	640	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2200	560	10
Butyl benzyl phthalate	ND		ug/kg	2200	420	10
Di-n-butylphthalate	ND		ug/kg	2200	420	10
Di-n-octylphthalate	ND		ug/kg	2200	530	10
Diethyl phthalate	ND		ug/kg	2200	460	10
Dimethyl phthalate	ND		ug/kg	2200	550	10
Benzo(a)anthracene	80000		ug/kg	1300	420	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04 D Date Collected: 09/13/13 18:05

Client ID: G1_COMP-10D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	82000		ug/kg	1700	530	10
Benzo(b)fluoranthene	100000	E	ug/kg	1300	440	10
Benzo(k)fluoranthene	35000		ug/kg	1300	410	10
Chrysene	75000		ug/kg	1300	420	10
Acenaphthylene	4300		ug/kg	1700	400	10
Anthracene	44000		ug/kg	1300	360	10
Benzo(ghi)perylene	57000		ug/kg	1700	450	10
Fluorene	28000		ug/kg	2200	620	10
Phenanthrene	150000	E	ug/kg	1300	420	10
Dibenzo(a,h)anthracene	20000		ug/kg	1300	420	10
Indeno(1,2,3-cd)Pyrene	66000		ug/kg	1700	480	10
Pyrene	130000	E	ug/kg	1300	420	10
Biphenyl	4000	J	ug/kg	4900	710	10
4-Chloroaniline	ND		ug/kg	2200	570	10
2-Nitroaniline	ND		ug/kg	2200	610	10
3-Nitroaniline	ND		ug/kg	2200	590	10
4-Nitroaniline	ND		ug/kg	2200	580	10
Dibenzofuran	25000		ug/kg	2200	720	10
2-Methylnaphthalene	11000		ug/kg	2600	690	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2200	670	10
Acetophenone	ND		ug/kg	2200	670	10
2,4,6-Trichlorophenol	ND		ug/kg	1300	410	10
P-Chloro-M-Cresol	ND		ug/kg	2200	620	10
2-Chlorophenol	ND		ug/kg	2200	650	10
2,4-Dichlorophenol	ND		ug/kg	1900	700	10
2,4-Dimethylphenol	ND		ug/kg	2200	640	10
2-Nitrophenol	ND		ug/kg	4600	670	10
4-Nitrophenol	ND		ug/kg	3000	700	10
2,4-Dinitrophenol	ND		ug/kg	10000	2900	10
4,6-Dinitro-o-cresol	ND		ug/kg	5600	790	10
Pentachlorophenol	ND		ug/kg	1700	460	10
Phenol	ND		ug/kg	2200	640	10
2-Methylphenol	ND		ug/kg	2200	690	10
3-Methylphenol/4-Methylphenol	870	J	ug/kg	3100	710	10
2,4,5-Trichlorophenol	ND		ug/kg	2200	700	10
Benzoic Acid	ND		ug/kg	7000	2200	10
Benzyl Alcohol	ND		ug/kg	2200	660	10
Carbazole	28000		ug/kg	2200	460	10
Benzaldehyde	ND		ug/kg	2800	870	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04 D
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	2200	590	10
Atrazine	ND		ug/kg	1700	490	10
2,3,4,6-Tetrachlorophenol	ND		ug/kg	2200	370	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	**159**	Q	23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	117		0-136
4-Terphenyl-d14	60		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	66.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Acenaphthene	97		100		31-137	3		50
Benzidine	48		49			2		50
n-Nitrosodimethylamine	89		91			2		50
1,2,4-Trichlorobenzene	93		96		38-107	3		50
Hexachlorobenzene	98		100		40-140	2		50
Bis(2-chloroethyl)ether	88		90		40-140	2		50
2-Chloronaphthalene	94		97		40-140	3		50
1,2-Dichlorobenzene	92		94		40-140	2		50
1,3-Dichlorobenzene	91		94		40-140	3		50
1,4-Dichlorobenzene	91		93		28-104	2		50
3,3'-Dichlorobenzidine	82		84		40-140	2		50
2,4-Dinitrotoluene	**101**	Q	**105**	Q	28-89	4		50
2,6-Dinitrotoluene	99		104		40-140	5		50
Fluoranthene	104		108		40-140	4		50
4-Chlorophenyl phenyl ether	98		101		40-140	3		50
4-Bromophenyl phenyl ether	100		104		40-140	4		50
Azobenzene	96		98		40-140	2		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	91		92		40-117	1		50
Hexachlorobutadiene	94		100		40-140	6		50
Hexachlorocyclopentadiene	107		112		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Hexachloroethane	91		94		40-140	3		50
Isophorone	92		95		40-140	3		50
Naphthalene	94		98		40-140	4		50
Nitrobenzene	109		114		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		106			3		50
n-Nitrosodi-n-propylamine	93		96		32-121	3		50
Bis(2-Ethylhexyl)phthalate	110		**170**	Q	40-140	43		50
Butyl benzyl phthalate	110		113		40-140	3		50
Di-n-butylphthalate	114		118		40-140	3		50
Di-n-octylphthalate	115		120		40-140	4		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	99		104		40-140	5		50
Benzo(a)anthracene	99		106		40-140	7		50
Benzo(a)pyrene	108		114		40-140	5		50
Benzo(b)fluoranthene	107		110		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	99		100		40-140	1		50
Acenaphthylene	100		103		40-140	3		50
Anthracene	107		111		40-140	4		50
Benzo(ghi)perylene	101		108		40-140	7		50
Fluorene	98		103		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Phenanthrene	99		103		40-140	4		50
Dibenzo(a,h)anthracene	111		114		40-140	3		50
Indeno(1,2,3-cd)Pyrene	102		110		40-140	8		50
Pyrene	101		103		35-142	2		50
Biphenyl	105		108			3		50
Aniline	81		84		40-140	4		50
4-Chloroaniline	72		70		40-140	3		50
2-Nitroaniline	103		106		47-134	3		50
3-Nitroaniline	63		63		26-129	0		50
4-Nitroaniline	97		101		41-125	4		50
Dibenzofuran	97		101		40-140	4		50
2-Methylnaphthalene	92		94		40-140	2		50
1,2,4,5-Tetrachlorobenzene	103		107		40-117	4		50
Acetophenone	100		105		14-144	5		50
2,4,6-Trichlorophenol	114		119		30-130	4		50
P-Chloro-M-Cresol	**109**	Q	**112**	Q	26-103	3		50
2-Chlorophenol	100		**104**	Q	25-102	4		50
2,4-Dichlorophenol	109		114		30-130	4		50
2,4-Dimethylphenol	101		106		30-130	5		50
2-Nitrophenol	102		107		30-130	5		50
4-Nitrophenol	**119**	Q	**123**	Q	11-114	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
2,4-Dinitrophenol	114		125		4-130	9		50
4,6-Dinitro-o-cresol	106		115		10-130	8		50
Pentachlorophenol	102		107		17-109	5		50
Phenol	**100**	Q	**102**	Q	26-90	2		50
2-Methylphenol	103		106		30-130.	3		50
3-Methylphenol/4-Methylphenol	110		113		30-130	3		50
2,4,5-Trichlorophenol	109		114		30-130	4		50
Benzoic Acid	86		94			9		50
Benzyl Alcohol	94		101		40-140	7		50
Carbazole	101		103		54-128	2		50
Benzaldehyde	94		94			0		50
Caprolactam	109		114			4		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	113		114			1		50
Pyridine	78		78		10-93	0		50
Parathion, ethyl	129		134		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	104		107		25-120
Phenol-d6	99		102		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		101		30-120
2,4,6-Tribromophenol	104		108		0-136
4-Terphenyl-d14	90		93		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/19/13 13:11		
Analyst:	AR		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	414000		ug/kg	43800	4280	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 20:57		
Analyst:	JV		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	30000		ug/kg	3400	66.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 17:56		
Analyst:	GT		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	700	J	ug/kg	3300	63.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	88		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/19/13 02:34		
Analyst:	AR		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	2430000		ug/kg	428000	41900	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03-04 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-04 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: MS Sample												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: DUP Sample					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:55	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	73%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.9	8.88	1	A
Aroclor 1221	ND		ug/kg	44.9	13.6	1	A
Aroclor 1232	ND		ug/kg	44.9	9.55	1	A
Aroclor 1242	ND		ug/kg	44.9	8.53	1	A
Aroclor 1248	ND		ug/kg	44.9	5.44	1	A
Aroclor 1254	ND		ug/kg	44.9	7.08	1	A
Aroclor 1260	ND		ug/kg	44.9	7.80	1	A
Aroclor 1262	ND		ug/kg	44.9	3.32	1	A
Aroclor 1268	ND		ug/kg	44.9	6.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:08	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	77%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	8.10	1	A
Aroclor 1221	ND		ug/kg	41.0	12.4	1	A
Aroclor 1232	ND		ug/kg	41.0	8.71	1	A
Aroclor 1242	ND		ug/kg	41.0	7.79	1	A
Aroclor 1248	ND		ug/kg	41.0	4.96	1	A
Aroclor 1254	ND		ug/kg	41.0	6.47	1	A
Aroclor 1260	ND		ug/kg	41.0	7.12	1	A
Aroclor 1262	ND		ug/kg	41.0	3.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318161

Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 11:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	226	27.5	1	A
2,4,5-T	ND		ug/kg	226	14.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	226	12.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03 D	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:50	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	20.9	4.10	10	A
Lindane	ND		ug/kg	8.72	3.90	10	A
Alpha-BHC	ND		ug/kg	8.72	2.48	10	A
Beta-BHC	ND		ug/kg	20.9	7.94	10	A
Heptachlor	ND		ug/kg	10.5	4.69	10	A
Aldrin	ND		ug/kg	20.9	7.37	10	A
Heptachlor epoxide	ND		ug/kg	39.3	11.8	10	A
Endrin	ND		ug/kg	8.72	3.58	10	A
Endrin ketone	ND		ug/kg	20.9	5.39	10	A
Dieldrin	ND		ug/kg	13.1	6.54	10	A
4,4'-DDE	ND		ug/kg	20.9	4.84	10	A
4,4'-DDD	ND		ug/kg	20.9	7.47	10	A
4,4'-DDT	21.1	J	ug/kg	39.3	16.8	10	A
Endosulfan I	ND		ug/kg	20.9	4.95	10	A
Endosulfan II	ND		ug/kg	20.9	7.00	10	A
Endosulfan sulfate	ND		ug/kg	8.72	3.99	10	A
Methoxychlor	ND		ug/kg	39.3	12.2	10	A
Toxaphene	ND		ug/kg	393	110.	10	A
cis-Chlordane	ND		ug/kg	26.2	7.29	10	A
trans-Chlordane	ND		ug/kg	26.2	6.91	10	A
Chlordane	ND		ug/kg	170	69.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	141		30-150	A
Decachlorobiphenyl	**180**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 12:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	212	25.8	1	A
2,4,5-T	ND		ug/kg	212	13.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	212	11.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 11:03	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.8	3.88	10	A
Lindane	ND		ug/kg	8.25	3.69	10	A
Alpha-BHC	ND		ug/kg	8.25	2.34	10	A
Beta-BHC	ND		ug/kg	19.8	7.50	10	A
Heptachlor	ND		ug/kg	9.90	4.44	10	A
Aldrin	ND		ug/kg	19.8	6.97	10	A
Heptachlor epoxide	ND		ug/kg	37.1	11.1	10	A
Endrin	ND		ug/kg	8.25	3.38	10	A
Endrin ketone	ND		ug/kg	19.8	5.10	10	A
Dieldrin	ND		ug/kg	12.4	6.18	10	A
4,4'-DDE	ND		ug/kg	19.8	4.58	10	A
4,4'-DDD	ND		ug/kg	19.8	7.06	10	A
4,4'-DDT	ND		ug/kg	37.1	15.9	10	A
Endosulfan I	ND		ug/kg	19.8	4.68	10	A
Endosulfan II	ND		ug/kg	19.8	6.61	10	A
Endosulfan sulfate	ND		ug/kg	8.25	3.77	10	A
Methoxychlor	ND		ug/kg	37.1	11.5	10	A
Toxaphene	ND		ug/kg	371	104.	10	A
cis-Chlordane	ND		ug/kg	24.7	6.89	10	A
trans-Chlordane	ND		ug/kg	24.7	6.53	10	A
Chlordane	ND		ug/kg	161	65.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		30-150	A
Decachlorobiphenyl	**307**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 09:34
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/18/13 19:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04 Batch: WG637232-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.293	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637232-2 WG637232-3									
Delta-BHC	76		82		30-150	8		30	A
Lindane	68		81		30-150	17		30	A
Alpha-BHC	74		77		30-150	4		30	A
Beta-BHC	78		82		30-150	5		30	A
Heptachlor	79		83		30-150	5		30	A
Aldrin	78		82		30-150	5		30	A
Heptachlor epoxide	69		73		30-150	6		30	A
Endrin	80		85		30-150	6		30	A
Endrin ketone	69		72		30-150	4		30	A
Dieldrin	72		77		30-150	7		30	A
4,4'-DDE	70		74		30-150	6		30	A
4,4'-DDD	72		77		30-150	7		30	A
4,4'-DDT	72		75		30-150	4		30	A
Endosulfan I	72		76		30-150	5		30	A
Endosulfan II	64		67		30-150	5		30	A
Endosulfan sulfate	67		70		30-150	4		30	A
Methoxychlor	70		74		30-150	6		30	A
cis-Chlordane	71		77		30-150	8		30	A
trans-Chlordane	72		76		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637232-2 WG637232-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	102		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		76		30-150	B
Decachlorobiphenyl	117		137		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Barium, TCLP	0.25	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Lead, TCLP	0.24	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:25	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03
Client ID: G1_COMP-10S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 73%

Date Collected: 09/13/13 18:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	11	2.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.3	0.85	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Arsenic, Total	16		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Barium, Total	150		mg/kg	1.1	0.32	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Beryllium, Total	0.52	J	mg/kg	0.53	0.11	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Cadmium, Total	0.69	J	mg/kg	1.1	0.08	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Calcium, Total	14000		mg/kg	11	3.2	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Chromium, Total	26		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	2.1	0.53	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Copper, Total	66		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	5.3	2.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Lead, Total	210		mg/kg	5.3	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Magnesium, Total	2700		mg/kg	11	1.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Manganese, Total	140		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Mercury, Total	0.47		mg/kg	0.11	0.02	1	09/21/13 12:30	09/23/13 10:22	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.7	0.43	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Potassium, Total	930		mg/kg	270	43.	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Selenium, Total	1.7	J	mg/kg	2.1	0.32	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Sodium, Total	420		mg/kg	210	32.	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.1	0.43	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Vanadium, Total	46		mg/kg	1.1	0.11	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Zinc, Total	110		mg/kg	5.3	0.75	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Barium, TCLP	0.13	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Lead, TCLP	0.22	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:27	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318161
Project Number: 170229002
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 77%

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	12000		mg/kg	9.9	2.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.0	0.79	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Barium, Total	180		mg/kg	0.99	0.30	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Beryllium, Total	1.0		mg/kg	0.50	0.10	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.99	0.07	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Calcium, Total	14000		mg/kg	9.9	3.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Chromium, Total	29		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Cobalt, Total	20		mg/kg	2.0	0.50	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Copper, Total	180		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	5.0	2.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Lead, Total	370		mg/kg	5.0	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Magnesium, Total	3000		mg/kg	9.9	0.99	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Manganese, Total	800		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Mercury, Total	0.91		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:24	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	2.5	0.40	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Potassium, Total	1700		mg/kg	250	40.	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Selenium, Total	0.80	J	mg/kg	2.0	0.30	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Sodium, Total	460		mg/kg	200	30.	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.40	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Vanadium, Total	26		mg/kg	0.99	0.10	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Zinc, Total	240		mg/kg	5.0	0.69	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04 Batch: WG637994-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Barium, TCLP	0.05	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Lead, TCLP	0.02	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/20/13 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04 Batch: WG638032-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:15	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/20/13 15:00

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 Batch: WG637994-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 Batch: WG638032-2					
Mercury, TCLP	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637994-4 QC Sample: L1318159-04 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.37J	20	20	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.51	100		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95		-	-	75-125	-	20
Lead, TCLP	0.72	5.1	6.0	104		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG638032-4 QC Sample: L1318159-04 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0253	101		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637994-3 QC Sample: L1318159-04 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.37J	0.38J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.72	0.71	mg/l	1	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG638032-3 QC Sample: L1318159-04 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01
Client ID: G1_SB-10B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-02
Client ID: G1_SB-10B_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:50
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03
Client ID: G1_COMP-10S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 18:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	26		mg/kg	1.1	1.1	1	-	09/23/13 11:29	107,-	JO
Solids, Total	73.0		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.31	1	09/18/13 12:55	09/18/13 16:15	1,9010C/9012A	JO
pH (H)	7.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.25	1	09/16/13 22:00	09/18/13 00:24	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	29		mg/kg	1.0	1.0	1	-	09/23/13 11:29	107,-	JO
Solids, Total	76.6		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.30	1	09/18/13 12:55	09/18/13 16:16	1,9010C/9012A	JO
pH (H)	7.5		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 22:00	09/18/13 00:24	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG636928-1 QC Sample: L1318159-02 Client ID: DUP Sample						
Solids, Total	88.5	89.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:31

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-01A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01D	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01E	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01F	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01G	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1318161-02A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02D	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02E	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02F	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02G	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1318161-03A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TPH-GRO(14)
L1318161-03B	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-03C	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318161-03X	Plastic 250ml HNO3 preserved spl	A	N/A	4.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318161-04A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TPH-GRO(14)
L1318161-04B	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-04C	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318161-04X	Plastic 250ml HNO3 preserved spl	A	N/A	4.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318161-05A	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1318161-05B	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318161
Project Number: 170229002 **Report Date:** 10/03/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318161

Client Information

Client: Langan, DPC

Address: 360 W 31st St 8th fl New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKAO@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygordetsky

ALPHA Quote #: 20139653

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/25/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYS DEC	6NYCRR375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total Cyanide, TCLP, SCIA, RCRA Chem	TS	SVOC, PCB, Pest, HPAH	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
1	G-2-SB-10B-(4-4.5)	9/13/13	17:45	Soil	MB	X	X					G2_SB-10B_4-4.5	4
2	G-2-SB-10B-(9.5-10)	9/13/13	17:50			X	X					G2_SB-10B_9.5-10	4
3	G-2-COMP-10S-0-5		1800				X	X	X				3
4	G-2-COMP-10D-5-10		1805				X	X	X				3
5	Field Blank									X		TB02_091313	2

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do

(Please specify below)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	Sin Pater	9/13/13 1815
Sin Pater	9/13/13 2035	Tom Tobin	9/13/13 2035
Tom Tobin	9/13/13	RG	9/14/13 0020

COOLER E

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318161

Client Information

Client: Langan, DPC
Address: 360 W 31st St 8th fl
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygordetsky
ALPHA Quote #: 20139653

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/25/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYS DEC ~~[illegible]~~	6NYCRR375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Chromium, Hexavalent, TCLP, SPLP, RCRA Char	TS	SVOC, PCB, Pest, Herb, TPH, BTEX	TPH GRO	VOC	Sample Specific Comments	TOTAL # BOTTLES
18161-1	G-2-SB-10B-(4-4.5)	9/13/13	17:45	Soil	WB	X		X					4
2	G-2-SB-10B-(9.5-10)	9/13/13	17:50	↓		X		X					4
3	G-2-COMP-10S-0-5		1800				X		X X				3
4	G-2-COMP-10D-5-10		1805				X		X X				3
5	Field Blank									X			2

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type													
Preservative													

COOLER E

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible] 9/13/13	1815
[illegible]	9/13/13 2035	Tom Tobin	9/13/13 2035
Tom Tobin	9/13/13	[illegible]	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318162
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318162-01	G1_COMP-09S_0-5	BROOKLYN, NY	09/13/13 16:10
L1318162-02	G1_COMP-09D_5-10	BROOKLYN, NY	09/13/13 16:20
L1318162-03	G1_SB-09A_9.5-10	BROOKLYN, NY	09/13/13 16:00
L1318162-04	G1_SB-09A_3.5-4	BROOKLYN, NY	09/13/13 15:55
L1318162-05	TB04_091313	BROOKLYN, NY	09/13/13 00:00
L1318162-06	G2_SB-06B_4.5-5	BROOKLYN, NY	09/13/13 17:00
L1318162-07	G2_SB-06C_9.5-10	BROOKLYN, NY	09/13/13 17:15
L1318162-08	G2_COMP-06S_0-5	BROOKLYN, NY	09/13/13 17:30
L1318162-09	G2_COMP-06D_5-10	BROOKLYN, NY	09/13/13 17:35

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The sample IDs were confirmed by the client.

Volatile Organics

The surrogate recovery for L1318162-07 is below the acceptance criteria for dibromofluoromethane (26%), due to a known matrix effect caused by the high pH of the sample (>10).

Pesticides

L1318162-01, -02, -08, and -09 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318162-01, -02, -08, and -09 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-03	Date Collected:	09/13/13 16:00
Client ID:	G1_SB-09A_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 12:27		
Analyst:	PP		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.1	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.27	1
Chloroform	ND		ug/kg	2.3	0.57	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.4	0.35	1
Dibromochloromethane	ND		ug/kg	1.5	0.47	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.47	1
Tetrachloroethene	ND		ug/kg	1.5	0.22	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.7	0.19	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.20	1
1,1-Dichloropropene	ND		ug/kg	7.7	0.70	1
Bromoform	ND		ug/kg	6.1	0.64	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.26	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.3	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.23	1
Chloromethane	ND		ug/kg	7.7	1.2	1
Bromomethane	ND		ug/kg	3.1	0.52	1
Vinyl chloride	ND		ug/kg	3.1	0.22	1
Chloroethane	ND		ug/kg	3.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.32	1
Trichloroethene	0.40	J	ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.7	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.7	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	7.7	0.37	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-03 Date Collected: 09/13/13 16:00

Client ID: G1_SB-09A_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.1	0.16	1
p/m-Xylene	ND		ug/kg	3.1	0.50	1
o-Xylene	ND		ug/kg	3.1	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.23	1
Dibromomethane	ND		ug/kg	15	0.25	1
Styrene	ND		ug/kg	3.1	0.48	1
Dichlorodifluoromethane	ND		ug/kg	15	0.34	1
Acetone	ND		ug/kg	15	4.8	1
Carbon disulfide	ND		ug/kg	15	3.1	1
2-Butanone	ND		ug/kg	15	0.54	1
Vinyl acetate	ND		ug/kg	15	0.74	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.34	1
2-Hexanone	ND		ug/kg	15	0.29	1
Bromochloromethane	ND		ug/kg	7.7	0.30	1
2,2-Dichloropropane	ND		ug/kg	7.7	0.35	1
1,2-Dibromoethane	ND		ug/kg	6.1	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.7	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.49	1
Bromobenzene	ND		ug/kg	7.7	0.32	1
n-Butylbenzene	ND		ug/kg	1.5	0.30	1
sec-Butylbenzene	ND		ug/kg	1.5	0.32	1
tert-Butylbenzene	ND		ug/kg	7.7	0.86	1
o-Chlorotoluene	ND		ug/kg	7.7	0.24	1
p-Chlorotoluene	ND		ug/kg	7.7	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.7	0.65	1
Isopropylbenzene	ND		ug/kg	1.5	0.26	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.29	1
Naphthalene	1.3	J	ug/kg	7.7	1.2	1
Acrylonitrile	ND		ug/kg	15	0.36	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.7	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.7	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.7	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.7	0.88	1
Methyl Acetate	ND		ug/kg	31	1.2	1
Cyclohexane	ND		ug/kg	31	1.6	1
1,4-Dioxane	ND		ug/kg	150	27.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-03	Date Collected:	09/13/13 16:00
Client ID:	G1_SB-09A_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	31	0.42	1
p-Diethylbenzene	ND		ug/kg	6.1	0.24	1
p-Ethyltoluene	ND		ug/kg	6.1	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.1	0.20	1
Ethyl ether	ND		ug/kg	7.7	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	0.69	1
Methyl cyclohexane	ND		ug/kg	6.1	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-04	Date Collected:	09/13/13 15:55
Client ID:	G1_SB-09A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 12:54		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.58	1
Bromoform	ND		ug/kg	5.1	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	0.28	J	ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.3	0.99	1
Bromomethane	ND		ug/kg	2.5	0.43	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	24		ug/kg	1.3	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.31	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-04 Date Collected: 09/13/13 15:55

Client ID: G1_SB-09A_3.5-4 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.41	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	ND		ug/kg	13	3.9	1
Carbon disulfide	ND		ug/kg	13	2.5	1
2-Butanone	ND		ug/kg	13	0.45	1
Vinyl acetate	ND		ug/kg	13	0.61	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.28	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.3	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.3	0.71	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.53	1
Isopropylbenzene	ND		ug/kg	1.3	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.24	1
Naphthalene	ND		ug/kg	6.3	0.97	1
Acrylonitrile	ND		ug/kg	13	0.30	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.72	1
Methyl Acetate	ND		ug/kg	25	0.96	1
Cyclohexane	ND		ug/kg	25	1.4	1
1,4-Dioxane	ND		ug/kg	130	22.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-04	Date Collected:	09/13/13 15:55
Client ID:	G1_SB-09A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	25	0.34	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.57	1
Methyl cyclohexane	ND		ug/kg	5.1	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-05	Date Collected:	09/13/13 00:00
Client ID:	TB04_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 14:29		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-05 Date Collected: 09/13/13 00:00

Client ID: TB04_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-05	Date Collected:	09/13/13 00:00
Client ID:	TB04_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	110		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-06	Date Collected:	09/13/13 17:00
Client ID:	G2_SB-06B_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 15:42		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.49	1
Bromoform	ND		ug/kg	4.3	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.32	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.84	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-06 Date Collected: 09/13/13 17:00

Client ID: G2_SB-06B_4.5-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.35	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	8.8	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	1.8	J	ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.60	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.85	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	ND		ug/kg	5.4	0.82	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.85	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.61	1
Methyl Acetate	ND		ug/kg	21	0.82	1
Cyclohexane	ND		ug/kg	21	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-06	Date Collected:	09/13/13 17:00
Client ID:	G2_SB-06B_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.48	1
Methyl cyclohexane	ND		ug/kg	4.3	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-07	Date Collected:	09/13/13 17:15
Client ID:	G2_SB-06C_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 15:14		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.47	1
Bromoform	ND		ug/kg	4.1	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.31	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-07 Date Collected: 09/13/13 17:15

Client ID: G2_SB-06C_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	4.3	J	ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.1	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.81	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.1	0.79	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.81	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.59	1
Methyl Acetate	ND		ug/kg	20	0.78	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-07	Date Collected:	09/13/13 17:15
Client ID:	G2_SB-06C_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.46	1
Methyl cyclohexane	ND		ug/kg	4.1	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	**26**	Q	70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
Methylene chloride	2.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
Freon-113	85		79		50-139	7		30
p-Diethylbenzene	102		97		70-130	5		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	109		104		70-130	5		20
Chloroform	113		109		70-130	4		20
2-Chloroethylvinyl ether	84		85		70-130	1		20
Carbon tetrachloride	122		115		63-132	6		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	108		107		63-130	1		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	127		119		62-150	7		20
1,2-Dichloroethane	123		119		70-130	3		20
1,1,1-Trichloroethane	122		114		67-130	7		20
Bromodichloromethane	113		112		67-130	1		20
trans-1,3-Dichloropropene	103		104		70-130	1		20
cis-1,3-Dichloropropene	107		105		70-130	2		20
1,1-Dichloropropene	111		104		70-130	7		20
Bromoform	105		111		54-136	6		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	104		99		70-130	5		20
Toluene	94		90		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Ethylbenzene	100		96		70-130	4		20
Chloromethane	**60**	Q	69		64-130	14		20
Bromomethane	61		68		39-139	11		20
Vinyl chloride	94		88		55-140	7		20
Chloroethane	119		113		55-138	5		20
1,1-Dichloroethene	114		105		61-145	8		20
trans-1,2-Dichloroethene	110		104		70-130	6		20
Trichloroethene	109		103		70-130	6		20
1,2-Dichlorobenzene	92		98		70-130	6		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	119		118		63-130	1		20
p/m-Xylene	100		98		70-130	2		20
o-Xylene	101		99		70-130	2		20
cis-1,2-Dichloroethene	107		102		70-130	5		20
Dibromomethane	109		111		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	98		102		70-130	4		20
Isopropyl Ether	108		103		70-130	5		20
tert-Butyl Alcohol	**138**	Q	**156**	Q	70-130	12		20
Styrene	101		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Dichlorodifluoromethane	88		83		36-147	6		20
Acetone	134		**158**	Q	58-148	16		20
Carbon disulfide	104		97		51-130	7		20
2-Butanone	116		115		63-138	1		20
Vinyl acetate	111		112		70-130	1		20
4-Methyl-2-pentanone	109		106		59-130	3		20
2-Hexanone	104		113		57-130	8		20
Bromochloromethane	120		117		70-130	3		20
2,2-Dichloropropane	133		120		63-133	10		20
1,2-Dibromoethane	103		104		70-130	1		20
1,3-Dichloropropane	99		98		70-130	1		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	91		90		53-136	1		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		97		70-130	1		20
p-Chlorotoluene	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20
Hexachlorobutadiene	102		105		63-130	3		20
Isopropylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
p-Isopropyltoluene	96		96		70-130	0		20
Naphthalene	92		97		70-130	5		20
n-Propylbenzene	92		92		69-130	0		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
Methyl Acetate	112		116		70-130	4		20
Ethyl Acetate	114		114		70-130	0		20
Cyclohexane	106		96		70-130	10		20
Ethyl-Tert-Butyl-Ether	114		113		70-130	1		20
Tertiary-Amyl Methyl Ether	112		111		66-130	1		20
1,4-Dioxane	121		138		56-162	13		20
Freon-113	118		107		70-130	10		20
p-Diethylbenzene	94		94		70-130	0		20
p-Ethyltoluene	94		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		20
Ethyl ether	114		112		59-134	2		20
trans-1,4-Dichloro-2-butene	89		100		70-130	12		20
Methyl cyclohexane	109		100		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	91		84		70-130	8		30
1,2-Dichloropropane	92		87		70-130	6		30
Dibromochloromethane	89		84		70-130	6		30
1,1,2-Trichloroethane	92		86		70-130	7		30
Tetrachloroethene	91		84		70-130	8		30
Chlorobenzene	91		85		70-130	7		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	94		89		70-130	5		30
1,1,1-Trichloroethane	92		86		70-130	7		30
Bromodichloromethane	92		85		70-130	8		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	89		84		70-130	6		30
1,1-Dichloropropene	92		84		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	92		85		70-130	8		30
Toluene	91		83		70-130	9		30
Ethylbenzene	92		84		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
Chloromethane	89		80		52-130	11		30
Bromomethane	99		88		57-147	12		30
Vinyl chloride	91		82		67-130	10		30
Chloroethane	116		102		50-151	13		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	92		84		70-130	9		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	90		86		70-130	5		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	93		87		70-130	7		30
cis-1,2-Dichloroethene	93		86		70-130	8		30
Dibromomethane	92		88		70-130	4		30
Styrene	95		88		70-130	8		30
Dichlorodifluoromethane	77		70		30-146	10		30
Acetone	133		114		54-140	15		30
Carbon disulfide	91		83		59-130	9		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	85		80		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
4-Methyl-2-pentanone	90		88		70-130	2		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	95		91		70-130	4		30
2,2-Dichloropropane	94		86		70-130	9		30
1,2-Dibromoethane	90		85		70-130	6		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	89		85		70-130	5		30
tert-Butylbenzene	89		86		70-130	3		30
o-Chlorotoluene	73		86		70-130	16		30
p-Chlorotoluene	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	80		85		68-130	6		30
Hexachlorobutadiene	87		81		67-130	7		30
Isopropylbenzene	91		86		70-130	6		30
p-Isopropyltoluene	91		86		70-130	6		30
Naphthalene	92		88		70-130	4		30
Acrylonitrile	94		88		70-130	7		30
Isopropyl Ether	95		90		66-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	90		86		70-130	5		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	94		90		70-130	4		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	91		88		70-130	3		30
Methyl Acetate	90		89		51-146	1		30
Ethyl Acetate	93		89		70-130	4		30
Acrolein	89		82		70-130	8		30
Cyclohexane	86		78		59-142	10		30
1,4-Dioxane	88		85		65-136	3		30
Freon-113	82		74		50-139	10		30
p-Diethylbenzene	91		87		70-130	4		30
p-Ethyltoluene	91		87		70-130	4		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	92		88		67-130	4		30
trans-1,4-Dichloro-2-butene	89		85		70-130	5		30
Methyl cyclohexane	80		74		70-130	8		30
Ethyl-Tert-Butyl-Ether	93		89		70-130	4		30
Tertiary-Amyl Methyl Ether	93		88		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 19:16		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	93.	2
Fluoranthene	11000		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	1500		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	71.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	6300		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01 D Date Collected: 09/13/13 16:10

Client ID: G1_COMP-09S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	6800		ug/kg	290	88.	2
Benzo(b)fluoranthene	7400		ug/kg	220	73.	2
Benzo(k)fluoranthene	3200		ug/kg	220	69.	2
Chrysene	6300		ug/kg	220	71.	2
Acenaphthylene	460		ug/kg	290	68.	2
Anthracene	3800		ug/kg	220	60.	2
Benzo(ghi)perylene	4300		ug/kg	290	75.	2
Fluorene	1600		ug/kg	360	100	2
Phenanthrene	9000		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	1300		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	4200		ug/kg	290	80.	2
Pyrene	10000		ug/kg	220	70.	2
Biphenyl	200	J	ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	96.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	860		ug/kg	360	120	2
2-Methylnaphthalene	700		ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	510	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	500	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	1300		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01 D Date Collected: 09/13/13 16:10

Client ID: G1_COMP-09S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	75		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D2	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/20/13 14:28		
Analyst:	JB		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	25000		ug/kg	550	170	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 19:44		
Analyst:	JB		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2500		ug/kg	370	94.	2
1,2,4-Trichlorobenzene	ND		ug/kg	460	150	2
Hexachlorobenzene	ND		ug/kg	280	85.	2
Bis(2-chloroethyl)ether	ND		ug/kg	410	130	2
2-Chloronaphthalene	ND		ug/kg	460	150	2
1,2-Dichlorobenzene	ND		ug/kg	460	150	2
1,3-Dichlorobenzene	ND		ug/kg	460	140	2
1,4-Dichlorobenzene	ND		ug/kg	460	140	2
3,3'-Dichlorobenzidine	ND		ug/kg	460	120	2
2,4-Dinitrotoluene	ND		ug/kg	460	99.	2
2,6-Dinitrotoluene	ND		ug/kg	460	120	2
Fluoranthene	21000	E	ug/kg	280	84.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	460	140	2
4-Bromophenyl phenyl ether	ND		ug/kg	460	100	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	550	160	2
Bis(2-chloroethoxy)methane	ND		ug/kg	500	140	2
Hexachlorobutadiene	ND		ug/kg	460	130	2
Hexachlorocyclopentadiene	ND		ug/kg	1300	290	2
Hexachloroethane	ND		ug/kg	370	83.	2
Isophorone	ND		ug/kg	410	120	2
Naphthalene	2800		ug/kg	460	150	2
Nitrobenzene	ND		ug/kg	410	110	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	370	96.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	460	140	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	460	120	2
Butyl benzyl phthalate	ND		ug/kg	460	90.	2
Di-n-butylphthalate	ND		ug/kg	460	88.	2
Di-n-octylphthalate	ND		ug/kg	460	110	2
Diethyl phthalate	ND		ug/kg	460	97.	2
Dimethyl phthalate	ND		ug/kg	460	120	2
Benzo(a)anthracene	9800		ug/kg	280	90.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02 D Date Collected: 09/13/13 16:20

Client ID: G1_COMP-09D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	10000		ug/kg	370	110	2
Benzo(b)fluoranthene	12000		ug/kg	280	92.	2
Benzo(k)fluoranthene	4000		ug/kg	280	87.	2
Chrysene	10000		ug/kg	280	90.	2
Acenaphthylene	1800		ug/kg	370	86.	2
Anthracene	5800		ug/kg	280	76.	2
Benzo(ghi)perylene	6300		ug/kg	370	95.	2
Fluorene	2700		ug/kg	460	130	2
Phenanthrene	17000		ug/kg	280	90.	2
Dibenzo(a,h)anthracene	1500		ug/kg	280	89.	2
Indeno(1,2,3-cd)Pyrene	6900		ug/kg	370	100	2
Pyrene	18000		ug/kg	280	89.	2
Biphenyl	410	J	ug/kg	1000	150	2
4-Chloroaniline	ND		ug/kg	460	120	2
2-Nitroaniline	ND		ug/kg	460	130	2
3-Nitroaniline	ND		ug/kg	460	130	2
4-Nitroaniline	ND		ug/kg	460	120	2
Dibenzofuran	2100		ug/kg	460	150	2
2-Methylnaphthalene	1100		ug/kg	550	150	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	460	140	2
Acetophenone	ND		ug/kg	460	140	2
2,4,6-Trichlorophenol	ND		ug/kg	280	86.	2
P-Chloro-M-Cresol	ND		ug/kg	460	130	2
2-Chlorophenol	ND		ug/kg	460	140	2
2,4-Dichlorophenol	ND		ug/kg	410	150	2
2,4-Dimethylphenol	ND		ug/kg	460	140	2
2-Nitrophenol	ND		ug/kg	990	140	2
4-Nitrophenol	ND		ug/kg	640	150	2
2,4-Dinitrophenol	ND		ug/kg	2200	630	2
4,6-Dinitro-o-cresol	ND		ug/kg	1200	170	2
Pentachlorophenol	ND		ug/kg	370	98.	2
Phenol	170	J	ug/kg	460	140	2
2-Methylphenol	ND		ug/kg	460	150	2
3-Methylphenol/4-Methylphenol	290	J	ug/kg	660	150	2
2,4,5-Trichlorophenol	ND		ug/kg	460	150	2
Benzoic Acid	ND		ug/kg	1500	460	2
Benzyl Alcohol	ND		ug/kg	460	140	2
Carbazole	2100		ug/kg	460	98.	2
Benzaldehyde	ND		ug/kg	600	180	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	460	130	2
Atrazine	ND		ug/kg	370	100	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	460	78.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	77		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 20:11		
Analyst:	JB		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	760		ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	70.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	81.	2
2,6-Dinitrotoluene	ND		ug/kg	380	96.	2
Fluoranthene	12000		ug/kg	230	69.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	110	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	900		ug/kg	380	120	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	79.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	99.	2
Butyl benzyl phthalate	180	J	ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2
Benzo(a)anthracene	6800		ug/kg	230	74.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08 D Date Collected: 09/13/13 17:30

Client ID: G2_COMP-06S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8000		ug/kg	300	92.	2
Benzo(b)fluoranthene	9000		ug/kg	230	76.	2
Benzo(k)fluoranthene	3000		ug/kg	230	72.	2
Chrysene	7200		ug/kg	230	74.	2
Acenaphthylene	1000		ug/kg	300	70.	2
Anthracene	2500		ug/kg	230	63.	2
Benzo(ghi)perylene	5000		ug/kg	300	78.	2
Fluorene	900		ug/kg	380	110	2
Phenanthrene	8900		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	1300		ug/kg	230	73.	2
Indeno(1,2,3-cd)Pyrene	5300		ug/kg	300	84.	2
Pyrene	11000		ug/kg	230	73.	2
Biphenyl	130	J	ug/kg	860	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	750		ug/kg	380	120	2
2-Methylnaphthalene	340	J	ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	71.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	810	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	980	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	1100		ug/kg	380	81.	2
Benzaldehyde	ND		ug/kg	500	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08 D Date Collected: 09/13/13 17:30

Client ID: G2_COMP-06S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	380	100	2
Atrazine	ND		ug/kg	300	85.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	380	64.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	85		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 20:39		
Analyst:	JB		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	430		ug/kg	160	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	4400		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	200	J	ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Benzo(a)anthracene	1900		ug/kg	120	40.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09 Date Collected: 09/13/13 17:35

Client ID: G2_COMP-06D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1600		ug/kg	160	51.	1
Benzo(b)fluoranthene	1900		ug/kg	120	42.	1
Benzo(k)fluoranthene	650		ug/kg	120	40.	1
Chrysene	1900		ug/kg	120	41.	1
Acenaphthylene	68	J	ug/kg	160	39.	1
Anthracene	930		ug/kg	120	34.	1
Benzo(ghi)perylene	780		ug/kg	160	43.	1
Fluorene	510		ug/kg	210	59.	1
Phenanthrene	4200		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	250		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	880		ug/kg	160	46.	1
Pyrene	3800		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	320		ug/kg	210	69.	1
2-Methylnaphthalene	110	J	ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	370		ug/kg	210	44.	1
Benzaldehyde	230	J	ug/kg	270	84.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	57.	1
Atrazine	ND		ug/kg	160	47.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	65		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Acenaphthene	108		96		31-137	12		50
1,2,4-Trichlorobenzene	94		86		38-107	9		50
Hexachlorobenzene	109		97		40-140	12		50
Bis(2-chloroethyl)ether	90		81		40-140	11		50
2-Chloronaphthalene	102		91		40-140	11		50
1,2-Dichlorobenzene	93		83		40-140	11		50
1,3-Dichlorobenzene	90		81		40-140	11		50
1,4-Dichlorobenzene	91		82		28-104	10		50
3,3'-Dichlorobenzidine	76		67		40-140	13		50
2,4-Dinitrotoluene	**114**	Q	**104**	Q	28-89	9		50
2,6-Dinitrotoluene	112		102		40-140	9		50
Fluoranthene	116		104		40-140	11		50
4-Chlorophenyl phenyl ether	110		99		40-140	11		50
4-Bromophenyl phenyl ether	113		101		40-140	11		50
Bis(2-chloroisopropyl)ether	89		80		40-140	11		50
Bis(2-chloroethoxy)methane	96		85		40-117	12		50
Hexachlorobutadiene	95		87		40-140	9		50
Hexachlorocyclopentadiene	109		100		40-140	9		50
Hexachloroethane	90		81		40-140	11		50
Isophorone	99		86		40-140	14		50
Naphthalene	97		89		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Nitrobenzene	112		103		40-140	8		50
NitrosoDiPhenylAmine(NDPA)/DPA	116		104			11		50
n-Nitrosodi-n-propylamine	97		85		32-121	13		50
Bis(2-Ethylhexyl)phthalate	124		109		40-140	13		50
Butyl benzyl phthalate	122		110		40-140	10		50
Di-n-butylphthalate	128		115		40-140	11		50
Di-n-octylphthalate	126		113		40-140	11		50
Diethyl phthalate	115		103		40-140	11		50
Dimethyl phthalate	112		101		40-140	10		50
Benzo(a)anthracene	114		101		40-140	12		50
Benzo(a)pyrene	123		108		40-140	13		50
Benzo(b)fluoranthene	112		100		40-140	11		50
Benzo(k)fluoranthene	117		104		40-140	12		50
Chrysene	111		98		40-140	12		50
Acenaphthylene	112		99		40-140	12		50
Anthracene	120		108		40-140	11		50
Benzo(ghi)perylene	118		104		40-140	13		50
Fluorene	113		100		40-140	12		50
Phenanthrene	112		101		40-140	10		50
Dibenzo(a,h)anthracene	118		108		40-140	9		50
Indeno(1,2,3-cd)Pyrene	117		102		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Pyrene	113		101		35-142	11		50
Biphenyl	114		101			12		50
4-Chloroaniline	81		68		40-140	17		50
2-Nitroaniline	114		103		47-134	10		50
3-Nitroaniline	55		47		26-129	16		50
4-Nitroaniline	110		98		41-125	12		50
Dibenzofuran	109		97		40-140	12		50
2-Methylnaphthalene	100		90		40-140	11		50
1,2,4,5-Tetrachlorobenzene	108		97		40-117	11		50
Acetophenone	105		95		14-144	10		50
2,4,6-Trichlorophenol	128		112		30-130	13		50
P-Chloro-M-Cresol	**123**	Q	**106**	Q	26-103	15		50
2-Chlorophenol	**103**	Q	91		25-102	12		50
2,4-Dichlorophenol	118		104		30-130	13		50
2,4-Dimethylphenol	112		96		30-130	15		50
2-Nitrophenol	102		95		30-130	7		50
4-Nitrophenol	**136**	Q	**122**	Q	11-114	11		50
2,4-Dinitrophenol	125		117		4-130	7		50
4,6-Dinitro-o-cresol	119		109		10-130	9		50
Pentachlorophenol	**115**	Q	102		17-109	12		50
Phenol	**104**	Q	**92**	Q	26-90	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
2-Methylphenol	108		97		30-130.	11		50
3-Methylphenol/4-Methylphenol	116		100		30-130	15		50
2,4,5-Trichlorophenol	124		110		30-130	12		50
Benzoic Acid	99		89			11		50
Benzyl Alcohol	100		87		40-140	14		50
Carbazole	115		102		54-128	12		50
Benzaldehyde	84		79			6		50
Caprolactam	60		67			11		50
Atrazine	126		112			12		50
2,3,4,6-Tetrachlorophenol	128		114			12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	102		91		25-120
Phenol-d6	100		87		10-120
Nitrobenzene-d5	94		85		23-120
2-Fluorobiphenyl	103		91		30-120
2,4,6-Tribromophenol	110		96		0-136
4-Terphenyl-d14	97		87		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 17:48		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1500	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	82		70-130
4-Bromofluorobenzene	81		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 00:13		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1020000		ug/kg	73300	7180	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	107		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 18:29		
Analyst:	JV		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	3500	67.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 06:11		
Analyst:	AR		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	789000		ug/kg	91800	8990	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 19:10		
Analyst:	JV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	760	J	ug/kg	2900	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	80		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 20:53		
Analyst:	AR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	661000		ug/kg	75400	7380	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 22:57		
Analyst:	AR		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	139000		ug/kg	41700	4080	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 04:39		
Analyst:	JV		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	3200	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	90		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 10:18
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-02,08 Batch: WG636976-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	89		70-130
4-Bromofluorobenzene	87		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 09 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 Batch: WG636976-1 WG636976-2								
Gasoline Range Organics	117		116		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	110		110		70-130
4-Bromofluorobenzene	106		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 QC Batch ID: WG636976-5 QC Sample: L1318343-01 Client ID: MS Sample												
Gasoline Range Organics	68.J	22600	26000	114		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	109				70-130
4-Bromofluorobenzene	107				70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: MS Sample												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 QC Batch ID: WG636976-4 QC Sample: L1318343-01 Client ID: DUP Sample					
Gasoline Range Organics	68.J	64J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		87		70-130
4-Bromofluorobenzene	82		88		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: DUP Sample					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:37	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	6.90	1	A
Aroclor 1221	ND		ug/kg	34.9	10.5	1	A
Aroclor 1232	ND		ug/kg	34.9	7.42	1	A
Aroclor 1242	ND		ug/kg	34.9	6.63	1	A
Aroclor 1248	ND		ug/kg	34.9	4.22	1	A
Aroclor 1254	ND		ug/kg	34.9	5.51	1	A
Aroclor 1260	55.0		ug/kg	34.9	6.06	1	B
Aroclor 1262	ND		ug/kg	34.9	2.58	1	A
Aroclor 1268	ND		ug/kg	34.9	5.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:33	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	72%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.6	8.62	1	A
Aroclor 1221	ND		ug/kg	43.6	13.2	1	A
Aroclor 1232	ND		ug/kg	43.6	9.26	1	A
Aroclor 1242	ND		ug/kg	43.6	8.28	1	A
Aroclor 1248	ND		ug/kg	43.6	5.28	1	A
Aroclor 1254	ND		ug/kg	43.6	6.88	1	A
Aroclor 1260	ND		ug/kg	43.6	7.57	1	A
Aroclor 1262	ND		ug/kg	43.6	3.23	1	A
Aroclor 1268	ND		ug/kg	43.6	6.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:46	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	7.47	1	A
Aroclor 1221	ND		ug/kg	37.8	11.4	1	A
Aroclor 1232	ND		ug/kg	37.8	8.04	1	A
Aroclor 1242	ND		ug/kg	37.8	7.18	1	A
Aroclor 1248	ND		ug/kg	37.8	4.58	1	A
Aroclor 1254	ND		ug/kg	37.8	5.96	1	A
Aroclor 1260	11.9	J	ug/kg	37.8	6.57	1	B
Aroclor 1262	ND		ug/kg	37.8	2.80	1	A
Aroclor 1268	ND		ug/kg	37.8	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 04:14	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	78%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	8.10	1	A
Aroclor 1221	ND		ug/kg	41.0	12.4	1	A
Aroclor 1232	ND		ug/kg	41.0	8.71	1	A
Aroclor 1242	ND		ug/kg	41.0	7.78	1	A
Aroclor 1248	ND		ug/kg	41.0	4.96	1	A
Aroclor 1254	ND		ug/kg	41.0	6.46	1	A
Aroclor 1260	ND		ug/kg	41.0	7.12	1	A
Aroclor 1262	ND		ug/kg	41.0	3.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 01:47
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 16:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,09 Batch: WG636526-1						
Aroclor 1016	ND		ug/kg	32.6	6.44	A
Aroclor 1221	ND		ug/kg	32.6	9.84	A
Aroclor 1232	ND		ug/kg	32.6	6.93	A
Aroclor 1242	ND		ug/kg	32.6	6.19	A
Aroclor 1248	ND		ug/kg	32.6	3.94	A
Aroclor 1254	ND		ug/kg	32.6	5.14	A
Aroclor 1260	ND		ug/kg	32.6	5.66	A
Aroclor 1262	ND		ug/kg	32.6	2.41	A
Aroclor 1268	ND		ug/kg	32.6	4.73	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,08 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,09 Batch: WG636526-2 WG636526-3									
Aroclor 1016	66		75		40-140	13		50	A
Aroclor 1260	58		64		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		78		30-150	B
Decachlorobiphenyl	69		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,08 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:44	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.2	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	87		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:04	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.6	3.26	10	A
Lindane	ND		ug/kg	6.94	3.10	10	A
Alpha-BHC	ND		ug/kg	6.94	1.97	10	A
Beta-BHC	ND		ug/kg	16.6	6.31	10	A
Heptachlor	ND		ug/kg	8.32	3.73	10	A
Aldrin	ND		ug/kg	16.6	5.86	10	A
Heptachlor epoxide	ND		ug/kg	31.2	9.36	10	A
Endrin	ND		ug/kg	6.94	2.84	10	A
Endrin ketone	ND		ug/kg	16.6	4.29	10	A
Dieldrin	ND		ug/kg	10.4	5.20	10	A
4,4'-DDE	ND		ug/kg	16.6	3.85	10	A
4,4'-DDD	ND		ug/kg	16.6	5.94	10	A
4,4'-DDT	21.0	J	ug/kg	31.2	13.4	10	A
Endosulfan I	ND		ug/kg	16.6	3.93	10	A
Endosulfan II	ND		ug/kg	16.6	5.56	10	A
Endosulfan sulfate	ND		ug/kg	6.94	3.17	10	A
Methoxychlor	ND		ug/kg	31.2	9.71	10	A
Toxaphene	ND		ug/kg	312	87.4	10	A
cis-Chlordane	ND		ug/kg	20.8	5.80	10	A
trans-Chlordane	ND		ug/kg	20.8	5.49	10	A
Chlordane	ND		ug/kg	135	55.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	137		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:24	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	230	27.9	1	A
2,4,5-T	ND		ug/kg	230	14.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	230	12.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	84		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:17	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	21.2	4.15	10	A
Lindane	ND		ug/kg	8.82	3.94	10	A
Alpha-BHC	ND		ug/kg	8.82	2.51	10	A
Beta-BHC	ND		ug/kg	21.2	8.03	10	A
Heptachlor	ND		ug/kg	10.6	4.75	10	A
Aldrin	ND		ug/kg	21.2	7.46	10	A
Heptachlor epoxide	ND		ug/kg	39.7	11.9	10	A
Endrin	ND		ug/kg	8.82	3.62	10	A
Endrin ketone	ND		ug/kg	21.2	5.45	10	A
Dieldrin	ND		ug/kg	13.2	6.62	10	A
4,4'-DDE	ND		ug/kg	21.2	4.90	10	A
4,4'-DDD	ND		ug/kg	21.2	7.55	10	A
4,4'-DDT	ND		ug/kg	39.7	17.0	10	A
Endosulfan I	ND		ug/kg	21.2	5.00	10	A
Endosulfan II	ND		ug/kg	21.2	7.08	10	A
Endosulfan sulfate	ND		ug/kg	8.82	4.03	10	A
Methoxychlor	ND		ug/kg	39.7	12.4	10	A
Toxaphene	ND		ug/kg	397	111.	10	A
cis-Chlordane	ND		ug/kg	26.5	7.38	10	A
trans-Chlordane	ND		ug/kg	26.5	6.99	10	A
Chlordane	ND		ug/kg	172	70.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	**194**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:04	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	23.0	1	A
2,4,5-T	ND		ug/kg	189	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	77		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:30	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.2	3.57	10	A
Lindane	ND		ug/kg	7.60	3.40	10	A
Alpha-BHC	ND		ug/kg	7.60	2.16	10	A
Beta-BHC	ND		ug/kg	18.2	6.91	10	A
Heptachlor	ND		ug/kg	9.12	4.09	10	A
Aldrin	ND		ug/kg	18.2	6.42	10	A
Heptachlor epoxide	ND		ug/kg	34.2	10.2	10	A
Endrin	ND		ug/kg	7.60	3.11	10	A
Endrin ketone	ND		ug/kg	18.2	4.69	10	A
Dieldrin	ND		ug/kg	11.4	5.70	10	A
4,4'-DDE	ND		ug/kg	18.2	4.22	10	A
4,4'-DDD	ND		ug/kg	18.2	6.50	10	A
4,4'-DDT	ND		ug/kg	34.2	14.7	10	A
Endosulfan I	ND		ug/kg	18.2	4.31	10	A
Endosulfan II	ND		ug/kg	18.2	6.09	10	A
Endosulfan sulfate	ND		ug/kg	7.60	3.47	10	A
Methoxychlor	ND		ug/kg	34.2	10.6	10	A
Toxaphene	ND		ug/kg	342	95.7	10	A
cis-Chlordane	ND		ug/kg	22.8	6.35	10	A
trans-Chlordane	ND		ug/kg	22.8	6.02	10	A
Chlordane	ND		ug/kg	148	60.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	122		30-150	A
Decachlorobiphenyl	**218**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:44	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	211	25.7	1	A
2,4,5-T	ND		ug/kg	211	13.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	211	11.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09 D	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:21	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.69	1.90	5	A
Lindane	ND		ug/kg	4.04	1.80	5	A
Alpha-BHC	ND		ug/kg	4.04	1.15	5	A
Beta-BHC	ND		ug/kg	9.69	3.67	5	A
Heptachlor	ND		ug/kg	4.84	2.17	5	A
Aldrin	ND		ug/kg	9.69	3.41	5	A
Heptachlor epoxide	ND		ug/kg	18.2	5.45	5	A
Endrin	ND		ug/kg	4.04	1.65	5	A
Endrin ketone	ND		ug/kg	9.69	2.49	5	A
Dieldrin	ND		ug/kg	6.05	3.03	5	A
4,4'-DDE	ND		ug/kg	9.69	2.24	5	A
4,4'-DDD	ND		ug/kg	9.69	3.46	5	A
4,4'-DDT	ND		ug/kg	18.2	7.79	5	A
Endosulfan I	ND		ug/kg	9.69	2.29	5	A
Endosulfan II	ND		ug/kg	9.69	3.24	5	A
Endosulfan sulfate	ND		ug/kg	4.04	1.84	5	A
Methoxychlor	ND		ug/kg	18.2	5.65	5	A
Toxaphene	ND		ug/kg	182	50.8	5	A
cis-Chlordane	ND		ug/kg	12.1	3.37	5	A
trans-Chlordane	ND		ug/kg	12.1	3.20	5	A
Chlordane	ND		ug/kg	78.7	32.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/13 16:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/16/13 21:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636563-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.298	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	149		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636563-2 WG636563-3									
Delta-BHC	70		79		30-150	12		30	A
Lindane	69		78		30-150	12		30	A
Alpha-BHC	65		75		30-150	14		30	A
Beta-BHC	72		79		30-150	9		30	A
Heptachlor	70		81		30-150	15		30	A
Aldrin	69		81		30-150	16		30	A
Heptachlor epoxide	63		74		30-150	16		30	A
Endrin	75		89		30-150	17		30	A
Endrin ketone	65		76		30-150	16		30	A
Dieldrin	66		79		30-150	18		30	A
4,4'-DDE	64		76		30-150	17		30	A
4,4'-DDD	66		79		30-150	18		30	A
4,4'-DDT	68		80		30-150	16		30	A
Endosulfan I	66		78		30-150	17		30	A
Endosulfan II	59		70		30-150	17		30	A
Endosulfan sulfate	63		74		30-150	16		30	A
Methoxychlor	68		80		30-150	16		30	A
cis-Chlordane	65		77		30-150	17		30	A
trans-Chlordane	66		79		30-150	18		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636563-2 WG636563-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		85		30-150	A
Decachlorobiphenyl	94		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	B
Decachlorobiphenyl	131		143		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Barium, TCLP	0.28	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Lead, TCLP	0.36	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:43	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01
Client ID: G1_COMP-09S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 16:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6900		mg/kg	8.6	1.7	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.68	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Arsenic, Total	9.6		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.86	0.26	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Beryllium, Total	4.9		mg/kg	0.43	0.09	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.86	0.06	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Calcium, Total	52000		mg/kg	8.6	2.6	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Chromium, Total	39		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Cobalt, Total	37		mg/kg	1.7	0.43	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Copper, Total	680		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Iron, Total	27000		mg/kg	4.3	1.7	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Lead, Total	460		mg/kg	4.3	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Magnesium, Total	18000		mg/kg	8.6	0.86	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Manganese, Total	310		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Mercury, Total	0.12		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 11:22	EPA 7471B	1,7471B	MC
Nickel, Total	69		mg/kg	2.1	0.34	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Potassium, Total	910		mg/kg	210	34.	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Selenium, Total	0.80	J	mg/kg	1.7	0.26	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Silver, Total	0.20	J	mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Sodium, Total	710		mg/kg	170	26.	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.86	0.09	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Zinc, Total	3800		mg/kg	21	3.0	10	09/17/13 14:42	09/19/13 18:43	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Barium, TCLP	0.30	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Lead, TCLP	0.38	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:45	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02
Client ID: G1_COMP-09D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 72%

Date Collected: 09/13/13 16:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4200		mg/kg	11	2.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Antimony, Total	5.7		mg/kg	5.4	0.86	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Barium, Total	420		mg/kg	1.1	0.32	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Beryllium, Total	0.44	J	mg/kg	0.54	0.11	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Cadmium, Total	1.8		mg/kg	1.1	0.08	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Calcium, Total	9200		mg/kg	11	3.2	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Chromium, Total	15		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Cobalt, Total	7.1		mg/kg	2.1	0.54	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Copper, Total	2900		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	5.4	2.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Lead, Total	370		mg/kg	5.4	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Magnesium, Total	1500		mg/kg	11	1.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Manganese, Total	230		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Mercury, Total	0.64		mg/kg	0.11	0.02	1	09/20/13 09:09	09/20/13 11:24	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.7	0.43	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Potassium, Total	920		mg/kg	270	43.	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Selenium, Total	1.3	J	mg/kg	2.1	0.32	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Silver, Total	0.25	J	mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Sodium, Total	460		mg/kg	210	32.	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.1	0.43	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Vanadium, Total	17		mg/kg	1.1	0.11	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Zinc, Total	690		mg/kg	5.4	0.75	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Barium, TCLP	0.37	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Lead, TCLP	0.72		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:47	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08
Client ID: G2_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 17:30
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	8.7	1.7	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.70	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Barium, Total	130		mg/kg	0.87	0.26	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Beryllium, Total	0.38	J	mg/kg	0.43	0.09	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Cadmium, Total	0.90		mg/kg	0.87	0.06	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Calcium, Total	8800		mg/kg	8.7	2.6	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	1.7	0.43	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Copper, Total	83		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	4.3	1.7	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Lead, Total	440		mg/kg	4.3	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Magnesium, Total	1500		mg/kg	8.7	0.87	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Mercury, Total	0.72		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:25	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.2	0.35	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Potassium, Total	560		mg/kg	220	35.	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Selenium, Total	0.88	J	mg/kg	1.7	0.26	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Sodium, Total	140	J	mg/kg	170	26.	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Vanadium, Total	16		mg/kg	0.87	0.09	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Zinc, Total	240		mg/kg	4.3	0.61	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Barium, TCLP	0.40	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Lead, TCLP	2.2		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:49	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09
Client ID: G2_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 78%

Date Collected: 09/13/13 17:35
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9300		mg/kg	9.8	2.0	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.9	0.78	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Arsenic, Total	6.6		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Barium, Total	53		mg/kg	0.98	0.29	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Beryllium, Total	0.47	J	mg/kg	0.49	0.10	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Cadmium, Total	1.9		mg/kg	0.98	0.07	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Calcium, Total	1800		mg/kg	9.8	2.9	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Cobalt, Total	8.3		mg/kg	2.0	0.49	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Copper, Total	36		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.9	2.0	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Lead, Total	130		mg/kg	4.9	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Magnesium, Total	2400		mg/kg	9.8	0.98	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Manganese, Total	370		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Mercury, Total	0.52		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:27	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.4	0.39	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Potassium, Total	580		mg/kg	240	39.	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.29	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Sodium, Total	100	J	mg/kg	200	29.	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.39	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.98	0.10	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Zinc, Total	1600		mg/kg	4.9	0.68	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636801-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Calcium, Total	2.4	J	mg/kg	4.0	1.2	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637081-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637435-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 10:56	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636801-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	109		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	92		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	100		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	108		-		66-134	-		
Sodium, Total	103		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636801-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637081-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637435-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample												
Aluminum, Total	4200	164	5000	**489**	Q	5100	**524**	Q	75-125	2		35
Antimony, Total	ND	40.9	37	90		39	91		75-125	5		35
Arsenic, Total	0.95	9.82	11	102		11	97		75-125	0		35
Barium, Total	8.4	164	170	99		180	100		75-125	6		35
Beryllium, Total	0.18J	4.09	4.2	103		4.4	102		75-125	5		35
Cadmium, Total	0.29J	4.17	4.2	101		4.5	103		75-125	7		35
Calcium, Total	620	818	4500	**474**	Q	1900	**149**	Q	75-125	**81**	Q	35
Chromium, Total	9.4	16.4	24	89		29	114		75-125	19		35
Cobalt, Total	2.1	40.9	40	93		43	95		75-125	7		35
Copper, Total	7.7	20.4	29	104		29	99		75-125	0		35
Iron, Total	9400	81.8	9100	**0**	Q	10000	**698**	Q	75-125	9		35
Lead, Total	3.5J	41.7	44	105		46	105		75-125	4		35
Magnesium, Total	680	818	1600	112		1600	107		75-125	0		35
Manganese, Total	59.	40.9	120	**149**	Q	100	95		75-125	18		35
Nickel, Total	5.5	40.9	44	94		46	94		75-125	4		35
Potassium, Total	190J	818	1000	122		1000	116		75-125	0		35
Selenium, Total	ND	9.82	9.9	101		10	97		75-125	1		35
Silver, Total	ND	24.5	24	98		25	97		75-125	4		35
Sodium, Total	140J	818	1600	**196**	Q	1300	**151**	Q	75-125	21		35
Thallium, Total	ND	9.82	8.4	86		9.0	87		75-125	7		35
Vanadium, Total	11.	40.9	51	98		56	105		75-125	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample										
Zinc, Total	11.	40.9	52	100		52	95	75-125	0	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0246	98		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637081-4 QC Sample: L1318237-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.46J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	0.03J	2	2.0	100		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637435-4 QC Sample: L1318157-06 Client ID: MS Sample										
Mercury, Total	0.06J	0.16	0.26	**162**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637081-3 QC Sample: L1318237-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637435-3 QC Sample: L1318157-06 Client ID: DUP Sample						
Mercury, Total	0.06J	0.09	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01
Client ID: G1_COMP-09S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	39		mg/kg	0.89	0.89	1	-	09/20/13 10:52	107,-	JO
Solids, Total	90.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.25	1	09/17/13 11:20	09/18/13 14:42	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 22:00	09/18/13 00:25	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02
Client ID: G1_COMP-09D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	1.1	1.1	1	-	09/20/13 10:52	107,-	JO
Solids, Total	72.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.4	0.32	1	09/17/13 11:20	09/18/13 14:43	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.25	1	09/16/13 22:00	09/18/13 00:26	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-03
Client ID: G1_SB-09A_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-04
Client ID: G1_SB-09A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-06
Client ID: G2_SB-06B_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-07
Client ID: G2_SB-06C_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08
Client ID: G2_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:30
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.92	0.92	1	-	09/20/13 10:52	107,-	JO
Solids, Total	87.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:44	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	09/16/13 22:00	09/18/13 00:26	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09
Client ID: G2_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:35
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	1.0	1.0	1	-	09/20/13 10:52	107,-	JO
Solids, Total	78.4		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.29	1	09/17/13 11:20	09/18/13 14:45	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 22:00	09/18/13 00:27	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-09 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: G1_COMP-09S_0-5						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:32

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-01A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-01B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-01C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-01X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-02A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-02B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-02C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-02X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-03A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-03X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-03Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-03Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-04X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-05A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1318162-05B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1318162-06A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-06X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-06Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-06Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-07X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-08A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-08B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-08C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-08X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-09A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-09B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-09C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-09X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
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Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318162

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C

Address: 360 W 31st St 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mini Ravgorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters;
2) Provide category A data deliverables;
3) Provide NYSDEC EDD.

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Metals, Total CN, Hex Chrom, TCLP Volatiles, Metals, Reactivity	TS	Sec. Pest, Herb, TPH DRO	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
18162 1	G1-COMP-09S-0-5	9/13	16:10	Soil	NB		X		X	X			3
2	G1_COMP-09D_5-10		16:20		NB		X		X	X			3
3	G1_SB-09A_(9.5-10)		16:00		NB	X		X					4
4	G1_SB-09A_(3.5-4)		15:55		NB	X		X					4
5	TRIP BLANK		1600		NB						X		2
6	G2_SB-06B_(4.5-5)		1700	Soil	NB	X		X					4
7	G2_SB-06C_(9.5-10)		17:15		NB	X		X					4
8	G-2-COMP-06S_0-5		17:30		NB		X		X	X			3
9	G-2-COMP-06D_5-10		17:35		NB		X		X	X			3

Container Type													
Preservative													

COOLER D

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2015	[illegible]	9/13/13 2015
[illegible]	9/14/13 0020	[illegible]	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318164
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318164-01	G1_SB-07A_3.5-4	BROOKLYN, NY	09/13/13 13:45
L1318164-02	G1_SB-07A_9-9.5	BROOKLYN, NY	09/13/13 13:55
L1318164-03	G1_COMP-07D_5-10	BROOKLYN, NY	09/13/13 14:10
L1318164-04	G1_COMP-07S_0-5	BROOKLYN, NY	09/13/13 14:05
L1318164-05	G1_COMP-08D_5-10	BROOKLYN, NY	09/13/13 15:20
L1318164-06	G1_COMP-08S_0-5	BROOKLYN, NY	09/13/13 15:15
L1318164-07	G1_SB-08A_9-9.5	BROOKLYN, NY	09/13/13 15:00
L1318164-08	G1_SB-08A_4.5-5	BROOKLYN, NY	09/13/13 14:55
L1318164-09	TB05_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1318164-01, -02, -07, -08 and -09: The client IDs were specified by the client.

Semivolatile Organics

L1318164-04 has elevated detection limits due to the dilution required by the sample matrix.

Pesticides

L1318164-03 through -06 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318164-03 through -06 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-01	Date Collected:	09/13/13 13:45
Client ID:	G1_SB-07A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 17:34		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.5	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.17	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.95	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.22	1
Dibromochloromethane	ND		ug/kg	0.95	0.29	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.95	0.13	1
Chlorobenzene	ND		ug/kg	0.95	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.95	0.10	1
Bromodichloromethane	ND		ug/kg	0.95	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.95	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.43	1
Bromoform	ND		ug/kg	3.8	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.95	0.16	1
Benzene	ND		ug/kg	0.95	0.11	1
Toluene	ND		ug/kg	1.4	0.11	1
Ethylbenzene	ND		ug/kg	0.95	0.14	1
Chloromethane	ND		ug/kg	4.7	0.74	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.13	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	1.4		ug/kg	0.95	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.23	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-01 Date Collected: 09/13/13 13:45

Client ID: G1_SB-07A_3.5-4 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.9	0.10	1
p/m-Xylene	ND		ug/kg	1.9	0.31	1
o-Xylene	ND		ug/kg	1.9	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.14	1
Dibromomethane	ND		ug/kg	9.5	0.16	1
Styrene	ND		ug/kg	1.9	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.21	1
Acetone	ND		ug/kg	9.5	2.9	1
Carbon disulfide	ND		ug/kg	9.5	1.9	1
2-Butanone	ND		ug/kg	9.5	0.34	1
Vinyl acetate	ND		ug/kg	9.5	0.46	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.5	0.21	1
2-Hexanone	ND		ug/kg	9.5	0.18	1
Bromochloromethane	ND		ug/kg	4.7	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.95	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.20	1
n-Butylbenzene	ND		ug/kg	0.95	0.19	1
sec-Butylbenzene	ND		ug/kg	0.95	0.20	1
tert-Butylbenzene	ND		ug/kg	4.7	0.53	1
o-Chlorotoluene	ND		ug/kg	4.7	0.15	1
p-Chlorotoluene	ND		ug/kg	4.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.75	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.40	1
Isopropylbenzene	ND		ug/kg	0.95	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.18	1
Naphthalene	ND		ug/kg	4.7	0.73	1
Acrylonitrile	ND		ug/kg	9.5	0.22	1
n-Propylbenzene	ND		ug/kg	0.95	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.75	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.54	1
Methyl Acetate	ND		ug/kg	19	0.72	1
Cyclohexane	ND		ug/kg	19	1.0	1
1,4-Dioxane	ND		ug/kg	95	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-01	Date Collected:	09/13/13 13:45
Client ID:	G1_SB-07A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	19	0.26	1
p-Diethylbenzene	ND		ug/kg	3.8	0.15	1
p-Ethyltoluene	ND		ug/kg	3.8	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.12	1
Ethyl ether	ND		ug/kg	4.7	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.42	1
Methyl cyclohexane	ND		ug/kg	3.8	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-02	Date Collected:	09/13/13 13:55
Client ID:	G1_SB-07A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 04:38		
Analyst:	PP		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.93	1
Bromomethane	0.63	J	ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.29	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-02 Date Collected: 09/13/13 13:55

Client ID: G1_SB-07A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	33		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	5.3	J	ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.57	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	5.9	0.91	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.68	1
Methyl Acetate	ND		ug/kg	24	0.90	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-02	Date Collected:	09/13/13 13:55
Client ID:	G1_SB-07A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.32	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-07	Date Collected:	09/13/13 15:00
Client ID:	G1_SB-08A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 05:12		
Analyst:	PP		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.55	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	0.66	J	ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-07 Date Collected: 09/13/13 15:00

Client ID: G1_SB-08A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	49		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	6.7	J	ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	6.0	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.0	0.67	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.95	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.51	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.95	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
Methyl Acetate	ND		ug/kg	24	0.92	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-07	Date Collected:	09/13/13 15:00
Client ID:	G1_SB-08A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.33	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.54	1
Methyl cyclohexane	ND		ug/kg	4.8	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-08	Date Collected:	09/13/13 14:55
Client ID:	G1_SB-08A_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 05:47		
Analyst:	PP		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.16	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.88	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.88	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	0.88	0.12	1
Chlorobenzene	ND		ug/kg	0.88	0.31	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.10	1
Bromodichloromethane	ND		ug/kg	0.88	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.4	0.40	1
Bromoform	ND		ug/kg	3.5	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.15	1
Benzene	ND		ug/kg	0.88	0.10	1
Toluene	ND		ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.88	0.13	1
Chloromethane	ND		ug/kg	4.4	0.69	1
Bromomethane	0.39	J	ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.12	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Trichloroethene	0.38	J	ug/kg	0.88	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.21	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-08 Date Collected: 09/13/13 14:55

Client ID: G1_SB-08A_4.5-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.09	1
p/m-Xylene	ND		ug/kg	1.8	0.28	1
o-Xylene	ND		ug/kg	1.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.13	1
Dibromomethane	ND		ug/kg	8.8	0.14	1
Styrene	ND		ug/kg	1.8	0.27	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.19	1
Acetone	ND		ug/kg	8.8	2.7	1
Carbon disulfide	ND		ug/kg	8.8	1.8	1
2-Butanone	ND		ug/kg	8.8	0.31	1
Vinyl acetate	ND		ug/kg	8.8	0.42	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	0.20	1
2-Hexanone	ND		ug/kg	8.8	0.17	1
Bromochloromethane	ND		ug/kg	4.4	0.17	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.20	1
1,2-Dibromoethane	ND		ug/kg	3.5	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	0.28	1
Bromobenzene	ND		ug/kg	4.4	0.18	1
n-Butylbenzene	ND		ug/kg	0.88	0.17	1
sec-Butylbenzene	ND		ug/kg	0.88	0.18	1
tert-Butylbenzene	ND		ug/kg	4.4	0.50	1
o-Chlorotoluene	ND		ug/kg	4.4	0.14	1
p-Chlorotoluene	ND		ug/kg	4.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.70	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.37	1
Isopropylbenzene	ND		ug/kg	0.88	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.17	1
Naphthalene	ND		ug/kg	4.4	0.68	1
Acrylonitrile	ND		ug/kg	8.8	0.21	1
n-Propylbenzene	ND		ug/kg	0.88	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.70	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.51	1
Methyl Acetate	ND		ug/kg	18	0.68	1
Cyclohexane	ND		ug/kg	18	0.95	1
1,4-Dioxane	ND		ug/kg	88	15.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-08	Date Collected:	09/13/13 14:55
Client ID:	G1_SB-08A_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.24	1
p-Diethylbenzene	ND		ug/kg	3.5	0.14	1
p-Ethyltoluene	ND		ug/kg	3.5	0.10	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.12	1
Ethyl ether	ND		ug/kg	4.4	0.23	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	0.40	1
Methyl cyclohexane	ND		ug/kg	3.5	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-09	Date Collected:	09/13/13 00:00
Client ID:	TB05_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 14:55		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-09 Date Collected: 09/13/13 00:00

Client ID: TB05_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-09	Date Collected:	09/13/13 00:00
Client ID:	TB05_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.3	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
Methylene chloride	113		124		70-130	9		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	112		117		70-130	4		30
1,1,2-Trichloroethane	108		113		70-130	5		30
Tetrachloroethene	102		102		70-130	0		30
Chlorobenzene	106		109		70-130	3		30
Trichlorofluoromethane	87		94		70-139	8		30
1,2-Dichloroethane	99		104		70-130	5		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	86		89		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	113		122		70-130	8		30
Benzene	106		106		70-130	0		30
Toluene	102		103		70-130	1		30
Ethylbenzene	109		110		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
Chloromethane	125		126		52-130	1		30
Bromomethane	126		126		57-147	0		30
Vinyl chloride	128		127		67-130	1		30
Chloroethane	107		106		50-151	1		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	107		111		70-130	4		30
1,4-Dichlorobenzene	108		112		70-130	4		30
Methyl tert butyl ether	83		85		66-130	2		30
p/m-Xylene	108		109		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		104		70-130	7		30
Styrene	111		115		70-130	4		30
Dichlorodifluoromethane	84		95		30-146	12		30
Acetone	119		131		54-140	10		30
Carbon disulfide	104		102		59-130	2		30
2-Butanone	101		108		70-130	7		30
Vinyl acetate	101		107		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
4-Methyl-2-pentanone	101		108		70-130	7		30
1,2,3-Trichloropropane	108		116		68-130	7		30
2-Hexanone	106		116		70-130	9		30
Bromochloromethane	100		106		70-130	6		30
2,2-Dichloropropane	87		84		70-130	4		30
1,2-Dibromoethane	111		118		70-130	6		30
1,3-Dichloropropane	103		109		69-130	6		30
1,1,1,2-Tetrachloroethane	103		106		70-130	3		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	110		111		70-130	1		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	107		107		70-130	0		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	109		111		70-130	2		30
1,2-Dibromo-3-chloropropane	99		108		68-130	9		30
Hexachlorobutadiene	92		95		67-130	3		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	103		111		70-130	7		30
Acrylonitrile	104		116		70-130	11		30
Isopropyl Ether	101		104		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	110		112		70-130	2		30
1,2,3-Trichlorobenzene	105		111		70-130	6		30
1,2,4-Trichlorobenzene	103		107		70-130	4		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	106		109		70-130	3		30
Methyl Acetate	105		116		51-146	10		30
Ethyl Acetate	111		120		70-130	8		30
Acrolein	99		109		70-130	10		30
Cyclohexane	87		97		59-142	11		30
1,4-Dioxane	111		123		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		98		50-139	12		30
1,4-Diethylbenzene	108		109		70-130	1		30
4-Ethyltoluene	110		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		30
Tetrahydrofuran	105		116		66-130	10		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	101		105		70-130	4		30
Methyl cyclohexane	87		97		70-130	11		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30
Tertiary-Amyl Methyl Ether	**62**	Q	**63**	Q	70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		79		50-139	7		30
1,4-Diethylbenzene	102		97		70-130	5		30
4-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	109		104		70-130	5		20
Chloroform	113		109		70-130	4		20
2-Chloroethylvinyl ether	84		85		70-130	1		20
Carbon tetrachloride	122		115		63-132	6		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	108		107		63-130	1		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	127		119		62-150	7		20
1,2-Dichloroethane	123		119		70-130	3		20
1,1,1-Trichloroethane	122		114		67-130	7		20
Bromodichloromethane	113		112		67-130	1		20
trans-1,3-Dichloropropene	103		104		70-130	1		20
cis-1,3-Dichloropropene	107		105		70-130	2		20
1,1-Dichloropropene	111		104		70-130	7		20
Bromoform	105		111		54-136	6		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	104		99		70-130	5		20
Toluene	94		90		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Ethylbenzene	100		96		70-130	4		20
Chloromethane	**60**	Q	69		64-130	14		20
Bromomethane	61		68		39-139	11		20
Vinyl chloride	94		88		55-140	7		20
Chloroethane	119		113		55-138	5		20
1,1-Dichloroethene	114		105		61-145	8		20
trans-1,2-Dichloroethene	110		104		70-130	6		20
Trichloroethene	109		103		70-130	6		20
1,2-Dichlorobenzene	92		98		70-130	6		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	119		118		63-130	1		20
p/m-Xylene	100		98		70-130	2		20
o-Xylene	101		99		70-130	2		20
cis-1,2-Dichloroethene	107		102		70-130	5		20
Dibromomethane	109		111		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	98		102		70-130	4		20
Isopropyl Ether	108		103		70-130	5		20
tert-Butyl Alcohol	**138**	Q	**156**	Q	70-130	12		20
Styrene	101		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Dichlorodifluoromethane	88		83		36-147	6		20
Acetone	134		**158**	Q	58-148	16		20
Carbon disulfide	104		97		51-130	7		20
2-Butanone	116		115		63-138	1		20
Vinyl acetate	111		112		70-130	1		20
4-Methyl-2-pentanone	109		106		59-130	3		20
2-Hexanone	104		113		57-130	8		20
Bromochloromethane	120		117		70-130	3		20
2,2-Dichloropropane	133		120		63-133	10		20
1,2-Dibromoethane	103		104		70-130	1		20
1,3-Dichloropropane	99		98		70-130	1		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	91		90		53-136	1		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		97		70-130	1		20
p-Chlorotoluene	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20
Hexachlorobutadiene	102		105		63-130	3		20
Isopropylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
p-Isopropyltoluene	96		96		70-130	0		20
Naphthalene	92		97		70-130	5		20
n-Propylbenzene	92		92		69-130	0		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
Methyl Acetate	112		116		70-130	4		20
Ethyl Acetate	114		114		70-130	0		20
Cyclohexane	106		96		70-130	10		20
Ethyl-Tert-Butyl-Ether	114		113		70-130	1		20
Tertiary-Amyl Methyl Ether	112		111		66-130	1		20
1,4-Dioxane	121		138		56-162	13		20
Freon-113	118		107		70-130	10		20
p-Diethylbenzene	94		94		70-130	0		20
p-Ethyltoluene	94		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		20
Ethyl ether	114		112		59-134	2		20
trans-1,4-Dichloro-2-butene	89		100		70-130	12		20
Methyl cyclohexane	109		100		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		105		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 09:34		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	380		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	6700		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	410		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	53	J	ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1
Benzo(a)anthracene	3100		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03 Date Collected: 09/13/13 14:10

Client ID: G1_COMP-07D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	150	46.	1
Benzo(b)fluoranthene	4200		ug/kg	110	38.	1
Benzo(k)fluoranthene	1700		ug/kg	110	36.	1
Chrysene	3600		ug/kg	110	37.	1
Acenaphthylene	170		ug/kg	150	35.	1
Anthracene	1200		ug/kg	110	31.	1
Benzo(ghi)perylene	2400		ug/kg	150	39.	1
Fluorene	500		ug/kg	190	54.	1
Phenanthrene	5600		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	590		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	150	41.	1
Pyrene	6000		ug/kg	110	36.	1
Biphenyl	78	J	ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	400		ug/kg	190	62.	1
2-Methylnaphthalene	240		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	400		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	75.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	111		30-120
2,4,6-Tribromophenol	121		0-136
4-Terphenyl-d14	114		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 01:01		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	440		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	6300		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	65.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	270	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	3500		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04 D Date Collected: 09/13/13 14:05

Client ID: G1_COMP-07S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2800		ug/kg	290	88.	2
Benzo(b)fluoranthene	3400		ug/kg	220	73.	2
Benzo(k)fluoranthene	1300		ug/kg	220	69.	2
Chrysene	3600		ug/kg	220	71.	2
Acenaphthylene	130	J	ug/kg	290	67.	2
Anthracene	1400		ug/kg	220	60.	2
Benzo(ghi)perylene	1600		ug/kg	290	75.	2
Fluorene	470		ug/kg	360	100	2
Phenanthrene	6300		ug/kg	220	70.	2
Dibenzo(a,h)anthracene	430		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	290	80.	2
Pyrene	6000		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	390		ug/kg	360	120	2
2-Methylnaphthalene	180	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	420		ug/kg	360	77.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 01:27		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	1900		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	110	J	ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	74	J	ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	920		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05 Date Collected: 09/13/13 15:20

Client ID: G1_COMP-08D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	940		ug/kg	160	48.	1
Benzo(b)fluoranthene	1100		ug/kg	120	39.	1
Benzo(k)fluoranthene	390		ug/kg	120	37.	1
Chrysene	940		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	400		ug/kg	120	32.	1
Benzo(ghi)perylene	570		ug/kg	160	41.	1
Fluorene	180	J	ug/kg	200	56.	1
Phenanthrene	1800		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	150		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	630		ug/kg	160	43.	1
Pyrene	1600		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	150	J	ug/kg	200	65.	1
2-Methylnaphthalene	91	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	60.	1
Acetophenone	ND		ug/kg	200	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	140	J	ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06 D	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 11:11		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	5600		ug/kg	1400	370	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	590	10
Hexachlorobenzene	ND		ug/kg	1100	330	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	500	10
2-Chloronaphthalene	ND		ug/kg	1800	580	10
1,2-Dichlorobenzene	ND		ug/kg	1800	590	10
1,3-Dichlorobenzene	ND		ug/kg	1800	560	10
1,4-Dichlorobenzene	ND		ug/kg	1800	540	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	390	10
2,6-Dinitrotoluene	ND		ug/kg	1800	460	10
Fluoranthene	28000		ug/kg	1100	330	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	540	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	410	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	630	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1900	540	10
Hexachlorobutadiene	ND		ug/kg	1800	510	10
Hexachlorocyclopentadiene	ND		ug/kg	5100	1200	10
Hexachloroethane	ND		ug/kg	1400	330	10
Isophorone	ND		ug/kg	1600	480	10
Naphthalene	6600		ug/kg	1800	600	10
Nitrobenzene	ND		ug/kg	1600	430	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1400	380	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	530	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1800	470	10
Butyl benzyl phthalate	ND		ug/kg	1800	350	10
Di-n-butylphthalate	ND		ug/kg	1800	350	10
Di-n-octylphthalate	ND		ug/kg	1800	440	10
Diethyl phthalate	ND		ug/kg	1800	380	10
Dimethyl phthalate	ND		ug/kg	1800	460	10
Benzo(a)anthracene	13000		ug/kg	1100	350	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06 D Date Collected: 09/13/13 15:15

Client ID: G1_COMP-08S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	12000		ug/kg	1400	440	10
Benzo(b)fluoranthene	15000		ug/kg	1100	360	10
Benzo(k)fluoranthene	6100		ug/kg	1100	340	10
Chrysene	13000		ug/kg	1100	350	10
Acenaphthylene	ND		ug/kg	1400	340	10
Anthracene	9000		ug/kg	1100	300	10
Benzo(ghi)perylene	7700		ug/kg	1400	370	10
Fluorene	5000		ug/kg	1800	510	10
Phenanthrene	29000		ug/kg	1100	350	10
Dibenzo(a,h)anthracene	2000		ug/kg	1100	350	10
Indeno(1,2,3-cd)Pyrene	8900		ug/kg	1400	400	10
Pyrene	24000		ug/kg	1100	350	10
Biphenyl	690	J	ug/kg	4100	590	10
4-Chloroaniline	ND		ug/kg	1800	470	10
2-Nitroaniline	ND		ug/kg	1800	510	10
3-Nitroaniline	ND		ug/kg	1800	500	10
4-Nitroaniline	ND		ug/kg	1800	480	10
Dibenzofuran	3000		ug/kg	1800	600	10
2-Methylnaphthalene	3600		ug/kg	2200	570	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	560	10
Acetophenone	ND		ug/kg	1800	560	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
P-Chloro-M-Cresol	ND		ug/kg	1800	520	10
2-Chlorophenol	ND		ug/kg	1800	540	10
2,4-Dichlorophenol	ND		ug/kg	1600	580	10
2,4-Dimethylphenol	ND		ug/kg	1800	530	10
2-Nitrophenol	ND		ug/kg	3900	560	10
4-Nitrophenol	ND		ug/kg	2500	580	10
2,4-Dinitrophenol	ND		ug/kg	8600	2400	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	660	10
Pentachlorophenol	ND		ug/kg	1400	380	10
Phenol	ND		ug/kg	1800	530	10
2-Methylphenol	ND		ug/kg	1800	580	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	590	10
2,4,5-Trichlorophenol	ND		ug/kg	1800	580	10
Benzoic Acid	ND		ug/kg	5800	1800	10
Benzyl Alcohol	ND		ug/kg	1800	550	10
Carbazole	3400		ug/kg	1800	380	10
Benzaldehyde	ND		ug/kg	2400	720	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06 D Date Collected: 09/13/13 15:15

Client ID: G1_COMP-08S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1800	500	10
Atrazine	ND		ug/kg	1400	410	10
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1800	300	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	8		0-136
4-Terphenyl-d14	85		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	44.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	220	52.
2,4-Dinitrophenol	ND		ug/kg	770	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	34.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	44.
Atrazine	ND		ug/kg	130	36.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Acenaphthene	90		101		31-137	12		50
1,2,4-Trichlorobenzene	72		88		38-107	20		50
Hexachlorobenzene	106		110		40-140	4		50
Bis(2-chloroethyl)ether	66		84		40-140	24		50
2-Chloronaphthalene	89		105		40-140	16		50
1,2-Dichlorobenzene	66		84		40-140	24		50
1,3-Dichlorobenzene	64		84		40-140	27		50
1,4-Dichlorobenzene	64		84		28-104	27		50
3,3'-Dichlorobenzidine	91		81		40-140	12		50
2,4-Dinitrotoluene	**109**	Q	**115**	Q	28-89	5		50
2,6-Dinitrotoluene	108		116		40-140	7		50
Fluoranthene	106		111		40-140	5		50
4-Chlorophenyl phenyl ether	98		106		40-140	8		50
4-Bromophenyl phenyl ether	107		112		40-140	5		50
Bis(2-chloroisopropyl)ether	66		83		40-140	23		50
Bis(2-chloroethoxy)methane	74		91		40-117	21		50
Hexachlorobutadiene	71		87		40-140	20		50
Hexachlorocyclopentadiene	**27**	Q	**39**	Q	40-140	36		50
Hexachloroethane	58		77		40-140	28		50
Isophorone	80		98		40-140	20		50
Naphthalene	73		89		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Nitrobenzene	70		87		40-140	22		50
NitrosoDiPhenylAmine(NDPA)/DPA	107		111			4		50
n-Nitrosodi-n-propylamine	73		90		32-121	21		50
Bis(2-Ethylhexyl)phthalate	114		115		40-140	1		50
Butyl benzyl phthalate	109		114		40-140	4		50
Di-n-butylphthalate	106		110		40-140	4		50
Di-n-octylphthalate	122		125		40-140	2		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	98		104		40-140	6		50
Benzo(a)anthracene	105		108		40-140	3		50
Benzo(a)pyrene	110		112		40-140	2		50
Benzo(b)fluoranthene	110		114		40-140	4		50
Benzo(k)fluoranthene	104		107		40-140	3		50
Chrysene	105		109		40-140	4		50
Acenaphthylene	97		111		40-140	13		50
Anthracene	109		112		40-140	3		50
Benzo(ghi)perylene	101		105		40-140	4		50
Fluorene	100		108		40-140	8		50
Phenanthrene	101		105		40-140	4		50
Dibenzo(a,h)anthracene	105		109		40-140	4		50
Indeno(1,2,3-cd)Pyrene	107		111		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Pyrene	104		111		35-142	7		50
Biphenyl	85		98			14		50
4-Chloroaniline	56		51		40-140	9		50
2-Nitroaniline	115		124		47-134	8		50
3-Nitroaniline	83		78		26-129	6		50
4-Nitroaniline	96		99		41-125	3		50
Dibenzofuran	93		104		40-140	11		50
2-Methylnaphthalene	81		97		40-140	18		50
1,2,4,5-Tetrachlorobenzene	81		96		40-117	17		50
Acetophenone	79		98		14-144	21		50
2,4,6-Trichlorophenol	108		122		30-130	12		50
P-Chloro-M-Cresol	**108**	Q	**119**	Q	26-103	10		50
2-Chlorophenol	74		93		25-102	23		50
2,4-Dichlorophenol	91		108		30-130	17		50
2,4-Dimethylphenol	94		114		30-130	19		50
2-Nitrophenol	80		100		30-130	22		50
4-Nitrophenol	114		**119**	Q	11-114	4		50
2,4-Dinitrophenol	43		49		4-130	13		50
4,6-Dinitro-o-cresol	46		50		10-130	8		50
Pentachlorophenol	97		103		17-109	6		50
Phenol	74		90		26-90	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
2-Methylphenol	83		100		30-130.	19		50
3-Methylphenol/4-Methylphenol	86		102		30-130	17		50
2,4,5-Trichlorophenol	110		123		30-130	11		50
Benzoic Acid	51		58			13		50
Benzyl Alcohol	75		92		40-140	20		50
Carbazole	106		110		54-128	4		50
Benzaldehyde	63		83			27		50
Caprolactam	108		115			6		50
Atrazine	117		114			3		50
2,3,4,6-Tetrachlorophenol	112		118			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		88		25-120
Phenol-d6	78		92		10-120
Nitrobenzene-d5	71		86		23-120
2-Fluorobiphenyl	85		99		30-120
2,4,6-Tribromophenol	113		114		0-136
4-Terphenyl-d14	92		94		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 22:34		
Analyst:	JV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	200	J	ug/kg	2900	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		70-130
4-Bromofluorobenzene	79		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 01:32		
Analyst:	AR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	322000		ug/kg	37000	3620	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 00:44		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	264000		ug/kg	35700	3500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	98		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 00:35		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	91		70-130

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 01:15		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	148000		ug/kg	38000	3720	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 01:16		
Analyst:	JV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1800	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	95		70-130

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 01:46		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	402000		ug/kg	34600	3390	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	103		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 01:56		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2700	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	90		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03-06 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03-06 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-06 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 00:57	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	7.27	1	A
Aroclor 1221	ND		ug/kg	36.8	11.1	1	A
Aroclor 1232	ND		ug/kg	36.8	7.82	1	A
Aroclor 1242	ND		ug/kg	36.8	6.99	1	A
Aroclor 1248	ND		ug/kg	36.8	4.45	1	A
Aroclor 1254	24.9	J	ug/kg	36.8	5.80	1	B
Aroclor 1260	11.7	J	ug/kg	36.8	6.39	1	A
Aroclor 1262	ND		ug/kg	36.8	2.72	1	A
Aroclor 1268	ND		ug/kg	36.8	5.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 01:10	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	6.97	1	A
Aroclor 1221	ND		ug/kg	35.3	10.6	1	A
Aroclor 1232	ND		ug/kg	35.3	7.50	1	A
Aroclor 1242	ND		ug/kg	35.3	6.70	1	A
Aroclor 1248	ND		ug/kg	35.3	4.27	1	A
Aroclor 1254	ND		ug/kg	35.3	5.56	1	A
Aroclor 1260	21.3	J	ug/kg	35.3	6.13	1	A
Aroclor 1262	ND		ug/kg	35.3	2.61	1	A
Aroclor 1268	ND		ug/kg	35.3	5.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:59	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	7.68	1	A
Aroclor 1221	ND		ug/kg	38.9	11.7	1	A
Aroclor 1232	ND		ug/kg	38.9	8.26	1	A
Aroclor 1242	ND		ug/kg	38.9	7.38	1	A
Aroclor 1248	ND		ug/kg	38.9	4.70	1	A
Aroclor 1254	ND		ug/kg	38.9	6.13	1	A
Aroclor 1260	ND		ug/kg	38.9	6.74	1	A
Aroclor 1262	ND		ug/kg	38.9	2.87	1	A
Aroclor 1268	ND		ug/kg	38.9	5.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 01:34	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	6.96	1	A
Aroclor 1221	ND		ug/kg	35.2	10.6	1	A
Aroclor 1232	ND		ug/kg	35.2	7.48	1	A
Aroclor 1242	ND		ug/kg	35.2	6.68	1	A
Aroclor 1248	ND		ug/kg	35.2	4.26	1	A
Aroclor 1254	ND		ug/kg	35.2	5.55	1	A
Aroclor 1260	33.6	J	ug/kg	35.2	6.11	1	A
Aroclor 1262	ND		ug/kg	35.2	2.60	1	A
Aroclor 1268	ND		ug/kg	35.2	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318164

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 05:53
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/17/13 00:51
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04,06 Batch: WG636596-1						
Aroclor 1016	ND		ug/kg	33.2	6.56	A
Aroclor 1221	ND		ug/kg	33.2	10.0	A
Aroclor 1232	ND		ug/kg	33.2	7.05	A
Aroclor 1242	ND		ug/kg	33.2	6.30	A
Aroclor 1248	ND		ug/kg	33.2	4.02	A
Aroclor 1254	ND		ug/kg	33.2	5.23	A
Aroclor 1260	ND		ug/kg	33.2	5.76	A
Aroclor 1262	ND		ug/kg	33.2	2.46	A
Aroclor 1268	ND		ug/kg	33.2	4.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318164

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04,06 Batch: WG636596-2 WG636596-3									
Aroclor 1016	59		65		40-140	10		50	A
Aroclor 1260	51		52		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		74		30-150	A
Decachlorobiphenyl	61		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		75		30-150	B
Decachlorobiphenyl	65		65		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:24	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	22.7	1	A
2,4,5-T	ND		ug/kg	187	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	44		30-150	A
DCAA	36		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03 D	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:34	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.93	1.75	5	A
Lindane	ND		ug/kg	3.72	1.66	5	A
Alpha-BHC	ND		ug/kg	3.72	1.06	5	A
Beta-BHC	ND		ug/kg	8.93	3.38	5	A
Heptachlor	ND		ug/kg	4.46	2.00	5	A
Aldrin	ND		ug/kg	8.93	3.14	5	A
Heptachlor epoxide	ND		ug/kg	16.7	5.02	5	A
Endrin	ND		ug/kg	3.72	1.52	5	A
Endrin ketone	ND		ug/kg	8.93	2.30	5	A
Dieldrin	ND		ug/kg	5.58	2.79	5	A
4,4'-DDE	ND		ug/kg	8.93	2.06	5	A
4,4'-DDD	ND		ug/kg	8.93	3.18	5	A
4,4'-DDT	11.5	J	ug/kg	16.7	7.18	5	B
Endosulfan I	ND		ug/kg	8.93	2.11	5	A
Endosulfan II	ND		ug/kg	8.93	2.98	5	A
Endosulfan sulfate	ND		ug/kg	3.72	1.70	5	A
Methoxychlor	ND		ug/kg	16.7	5.21	5	A
Toxaphene	ND		ug/kg	167	46.9	5	A
cis-Chlordane	ND		ug/kg	11.2	3.11	5	A
trans-Chlordane	ND		ug/kg	11.2	2.94	5	A
Chlordane	ND		ug/kg	72.5	29.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:05	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.3	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.46	10	A
Lindane	ND		ug/kg	7.36	3.29	10	A
Alpha-BHC	ND		ug/kg	7.36	2.09	10	A
Beta-BHC	ND		ug/kg	17.6	6.69	10	A
Heptachlor	ND		ug/kg	8.83	3.96	10	A
Aldrin	ND		ug/kg	17.6	6.22	10	A
Heptachlor epoxide	ND		ug/kg	33.1	9.93	10	A
Endrin	ND		ug/kg	7.36	3.02	10	A
Endrin ketone	ND		ug/kg	17.6	4.55	10	A
Dieldrin	ND		ug/kg	11.0	5.52	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.30	10	A
4,4'-DDT	ND		ug/kg	33.1	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.17	10	A
Endosulfan II	ND		ug/kg	17.6	5.90	10	A
Endosulfan sulfate	ND		ug/kg	7.36	3.36	10	A
Methoxychlor	ND		ug/kg	33.1	10.3	10	A
Toxaphene	ND		ug/kg	331	92.7	10	A
cis-Chlordane	ND		ug/kg	22.1	6.15	10	A
trans-Chlordane	ND		ug/kg	22.1	5.83	10	A
Chlordane	ND		ug/kg	143	58.5	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	**184**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 18:43	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	23.5	1	A
2,4,5-T	ND		ug/kg	193	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05 D	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:46	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.27	1.81	5	A
Lindane	ND		ug/kg	3.86	1.72	5	A
Alpha-BHC	ND		ug/kg	3.86	1.10	5	A
Beta-BHC	ND		ug/kg	9.27	3.51	5	A
Heptachlor	ND		ug/kg	4.63	2.08	5	A
Aldrin	ND		ug/kg	9.27	3.26	5	A
Heptachlor epoxide	ND		ug/kg	17.4	5.21	5	A
Endrin	ND		ug/kg	3.86	1.58	5	A
Endrin ketone	ND		ug/kg	9.27	2.39	5	A
Dieldrin	ND		ug/kg	5.79	2.90	5	A
4,4'-DDE	ND		ug/kg	9.27	2.14	5	A
4,4'-DDD	ND		ug/kg	9.27	3.30	5	A
4,4'-DDT	ND		ug/kg	17.4	7.45	5	A
Endosulfan I	ND		ug/kg	9.27	2.19	5	A
Endosulfan II	ND		ug/kg	9.27	3.10	5	A
Endosulfan sulfate	ND		ug/kg	3.86	1.76	5	A
Methoxychlor	ND		ug/kg	17.4	5.40	5	A
Toxaphene	ND		ug/kg	174	48.6	5	A
cis-Chlordane	ND		ug/kg	11.6	3.23	5	A
trans-Chlordane	ND		ug/kg	11.6	3.06	5	A
Chlordane	ND		ug/kg	75.3	30.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	123		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:03	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	21.9	1	A
2,4,5-T	ND		ug/kg	180	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06 D	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:55	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.5	3.23	10	A
Lindane	ND		ug/kg	6.88	3.07	10	A
Alpha-BHC	ND		ug/kg	6.88	1.95	10	A
Beta-BHC	ND		ug/kg	16.5	6.26	10	A
Heptachlor	ND		ug/kg	8.25	3.70	10	A
Aldrin	ND		ug/kg	16.5	5.81	10	A
Heptachlor epoxide	ND		ug/kg	30.9	9.28	10	A
Endrin	ND		ug/kg	6.88	2.82	10	A
Endrin ketone	ND		ug/kg	16.5	4.25	10	A
Dieldrin	ND		ug/kg	10.3	5.16	10	A
4,4'-DDE	ND		ug/kg	16.5	3.82	10	A
4,4'-DDD	ND		ug/kg	16.5	5.89	10	A
4,4'-DDT	ND		ug/kg	30.9	13.3	10	A
Endosulfan I	ND		ug/kg	16.5	3.90	10	A
Endosulfan II	ND		ug/kg	16.5	5.52	10	A
Endosulfan sulfate	ND		ug/kg	6.88	3.14	10	A
Methoxychlor	ND		ug/kg	30.9	9.63	10	A
Toxaphene	ND		ug/kg	309	86.6	10	A
cis-Chlordane	ND		ug/kg	20.6	5.75	10	A
trans-Chlordane	ND		ug/kg	20.6	5.45	10	A
Chlordane	ND		ug/kg	134	54.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-06 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/13 16:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/16/13 21:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-06 Batch: WG636563-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.298	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	149		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636563-2 WG636563-3									
Delta-BHC	70		79		30-150	12		30	A
Lindane	69		78		30-150	12		30	A
Alpha-BHC	65		75		30-150	14		30	A
Beta-BHC	72		79		30-150	9		30	A
Heptachlor	70		81		30-150	15		30	A
Aldrin	69		81		30-150	16		30	A
Heptachlor epoxide	63		74		30-150	16		30	A
Endrin	75		89		30-150	17		30	A
Endrin ketone	65		76		30-150	16		30	A
Dieldrin	66		79		30-150	18		30	A
4,4'-DDE	64		76		30-150	17		30	A
4,4'-DDD	66		79		30-150	18		30	A
4,4'-DDT	68		80		30-150	16		30	A
Endosulfan I	66		78		30-150	17		30	A
Endosulfan II	59		70		30-150	17		30	A
Endosulfan sulfate	63		74		30-150	16		30	A
Methoxychlor	68		80		30-150	16		30	A
cis-Chlordane	65		77		30-150	17		30	A
trans-Chlordane	66		79		30-150	18		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636563-2 WG636563-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		85		30-150	A
Decachlorobiphenyl	94		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	B
Decachlorobiphenyl	131		143		30-150	B

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Barium, TCLP	0.55		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:51	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3500		mg/kg	8.8	1.8	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Antimony, Total	1.2	J	mg/kg	4.4	0.70	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Arsenic, Total	18		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Barium, Total	120		mg/kg	0.88	0.26	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Beryllium, Total	0.21	J	mg/kg	0.44	0.09	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Cadmium, Total	0.66	J	mg/kg	0.88	0.06	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Calcium, Total	18000		mg/kg	8.8	2.6	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Chromium, Total	8.4		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Cobalt, Total	5.0		mg/kg	1.8	0.44	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Copper, Total	150		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.4	1.8	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Lead, Total	330		mg/kg	4.4	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Magnesium, Total	1400		mg/kg	8.8	0.88	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Mercury, Total	1.2		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:29	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Potassium, Total	570		mg/kg	220	35.	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Selenium, Total	2.6		mg/kg	1.8	0.26	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	180	26.	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Vanadium, Total	13		mg/kg	0.88	0.09	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Zinc, Total	130		mg/kg	4.4	0.62	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Barium, TCLP	0.71		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Chromium, TCLP	0.02	J	mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Lead, TCLP	0.07	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:53	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	8.3	1.7	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Arsenic, Total	6.3		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Barium, Total	200		mg/kg	0.83	0.25	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Beryllium, Total	4.2		mg/kg	0.42	0.08	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Cadmium, Total	1.5		mg/kg	0.83	0.06	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Calcium, Total	34000		mg/kg	8.3	2.5	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Chromium, Total	54		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Cobalt, Total	56		mg/kg	1.7	0.42	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Copper, Total	920		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Iron, Total	33000		mg/kg	4.2	1.7	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Lead, Total	810		mg/kg	4.2	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Magnesium, Total	11000		mg/kg	8.3	0.83	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Manganese, Total	440		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Mercury, Total	1.4		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:31	EPA 7471B	1,7471B	MC
Nickel, Total	92		mg/kg	2.1	0.33	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Potassium, Total	820		mg/kg	210	33.	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Selenium, Total	0.49	J	mg/kg	1.7	0.25	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Silver, Total	0.32	J	mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Sodium, Total	710		mg/kg	170	25.	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.33	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.83	0.08	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Zinc, Total	5400		mg/kg	21	2.9	10	09/17/13 14:42	09/19/13 18:47	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Barium, TCLP	0.22	J	mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Lead, TCLP	0.41	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:55	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05
Client ID: G1_COMP-08D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/13/13 15:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6500		mg/kg	9.3	1.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Arsenic, Total	30		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Barium, Total	110		mg/kg	0.93	0.28	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Beryllium, Total	1.0		mg/kg	0.46	0.09	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Cadmium, Total	1.6		mg/kg	0.93	0.07	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Calcium, Total	13000		mg/kg	9.3	2.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Cobalt, Total	10		mg/kg	1.8	0.46	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Copper, Total	310		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Iron, Total	28000		mg/kg	4.6	1.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Lead, Total	380		mg/kg	4.6	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Magnesium, Total	1200		mg/kg	9.3	0.93	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Manganese, Total	120		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Mercury, Total	1.5		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:32	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.3	0.37	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Potassium, Total	860		mg/kg	230	37.	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Selenium, Total	2.4		mg/kg	1.8	0.28	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Silver, Total	0.21	J	mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Sodium, Total	550		mg/kg	180	28.	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.93	0.09	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Zinc, Total	220		mg/kg	4.6	0.65	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Barium, TCLP	0.41	J	mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Lead, TCLP	0.20	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:56	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8400		mg/kg	8.5	1.7	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.68	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Barium, Total	340		mg/kg	0.85	0.25	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Beryllium, Total	4.0		mg/kg	0.42	0.09	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.85	0.06	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Calcium, Total	48000		mg/kg	8.5	2.5	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Chromium, Total	54		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Cobalt, Total	29		mg/kg	1.7	0.42	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Copper, Total	440		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.2	1.7	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Lead, Total	680		mg/kg	4.2	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Magnesium, Total	14000		mg/kg	8.5	0.85	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Mercury, Total	0.22		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 11:34	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.1	0.34	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Potassium, Total	1300		mg/kg	210	34.	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Selenium, Total	0.69	J	mg/kg	1.7	0.25	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Sodium, Total	560		mg/kg	170	25.	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Vanadium, Total	24		mg/kg	0.85	0.09	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Zinc, Total	2500		mg/kg	21	3.0	10	09/17/13 14:42	09/19/13 19:06	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-06 Batch: WG636801-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Calcium, Total	2.4	J	mg/kg	4.0	1.2	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-06 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-06 Batch: WG637118-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-06 Batch: WG637435-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 10:56	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG636801-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	109		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	92		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	100		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	108		-		66-134	-		
Sodium, Total	103		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG636801-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 Batch: WG637118-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	104	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG637435-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample												
Aluminum, Total	4200	164	5000	**489**	Q	5100	**524**	Q	75-125	2		35
Antimony, Total	ND	40.9	37	90		39	91		75-125	5		35
Arsenic, Total	0.95	9.82	11	102		11	97		75-125	0		35
Barium, Total	8.4	164	170	99		180	100		75-125	6		35
Beryllium, Total	0.18J	4.09	4.2	103		4.4	102		75-125	5		35
Cadmium, Total	0.29J	4.17	4.2	101		4.5	103		75-125	7		35
Calcium, Total	620	818	4500	**474**	Q	1900	**149**	Q	75-125	**81**	Q	35
Chromium, Total	9.4	16.4	24	89		29	114		75-125	19		35
Cobalt, Total	2.1	40.9	40	93		43	95		75-125	7		35
Copper, Total	7.7	20.4	29	104		29	99		75-125	0		35
Iron, Total	9400	81.8	9100	**0**	Q	10000	**698**	Q	75-125	9		35
Lead, Total	3.5J	41.7	44	105		46	105		75-125	4		35
Magnesium, Total	680	818	1600	112		1600	107		75-125	0		35
Manganese, Total	59.	40.9	120	**149**	Q	100	95		75-125	18		35
Nickel, Total	5.5	40.9	44	94		46	94		75-125	4		35
Potassium, Total	190J	818	1000	122		1000	116		75-125	0		35
Selenium, Total	ND	9.82	9.9	101		10	97		75-125	1		35
Silver, Total	ND	24.5	24	98		25	97		75-125	4		35
Sodium, Total	140J	818	1600	**196**	Q	1300	**151**	Q	75-125	21		35
Thallium, Total	ND	9.82	8.4	86		9.0	87		75-125	7		35
Vanadium, Total	11.	40.9	51	98		56	105		75-125	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample										
Zinc, Total	11.	40.9	52	100		52	95	75-125	0	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0246	98		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637118-4 QC Sample: L1318152-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.14J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.53	104		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.0	100		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637435-4 QC Sample: L1318157-06 Client ID: MS Sample										
Mercury, Total	0.06J	0.16	0.26	**162**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637118-3 QC Sample: L1318152-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.14J	0.14J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	0.02J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637435-3 QC Sample: L1318157-06 Client ID: DUP Sample						
Mercury, Total	0.06J	0.09	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-01
Client ID: G1_SB-07A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-02
Client ID: G1_SB-07A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	8.4		mg/kg	0.92	0.92	1	-	09/20/13 10:52	107,-	JO
Solids, Total	86.9		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:45	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	09/16/13 22:00	09/18/13 00:28	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	54		mg/kg	0.89	0.89	1	-	09/20/13 10:52	107,-	JO
Solids, Total	90.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:49	1,9010C/9012A	JO
pH (H)	8.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 22:00	09/18/13 00:29	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:43	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05
Client ID: G1_COMP-08D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.94	0.94	1	-	09/20/13 10:52	107,-	JO
Solids, Total	85.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/17/13 11:20	09/18/13 14:50	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 22:00	09/18/13 00:29	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:43	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	54		mg/kg	0.88	0.88	1	-	09/20/13 10:52	107,-	JO
Solids, Total	91.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/17/13 11:20	09/18/13 14:51	1,9010C/9012A	JO
pH (H)	11.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 22:00	09/18/13 00:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:52	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:44	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-07
Client ID: G1_SB-08A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-08
Client ID: G1_SB-08A_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: DUP Sample						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:33

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-01A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-01X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-01Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-01Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-02X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-03A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-03B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-03C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-03X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-04A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-04B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-04C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-05A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-05B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-05C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-05X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-06A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-06B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-06C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-06X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-07A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-07X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-07Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-07Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-08X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-09A	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1318164-09B	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318164

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St. 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170 229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013 9603

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 9/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (+ 10 Metals, Total CN, Hex Chrom, TCLP ROP & metals, RCRA char)	SVOC (+ 8 PEST, Herb, TPH DRO)	4PH GRO	VOC	Sample Specific Comments	Total # Bottles
18164.1	GI_SB-07A_(3.5-4)	9/13/13	13:45	SOIL	NB	X	X				4
2	GI-SB-07A_(9-9.5)		13:55		NB	X	X				4
3	GI_COMP-07D_5-10		14:10		NB	X	X	X			3
4	GI_COMP-07S_0-5		14:05		NB	X	X	X			3
5	GI_COMP-08D_5-10		15:20		NB	X	X	X			3
6	GI_COMP-08S_0-5		15:15		NB	X	X	X			3
7	GI_SB-08A_(9-9.5)		1500		NB	X	X				4
8	GI_SB-08A_(4.5-5)		14:55		NB	X	X				4
9	TRIP BLANK							X			2

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type													
Preservative													

COOLER C

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
[illegible]	9/14/13 00:20	[illegible]	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318166
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/24/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318166-01	CSO_SB-02B_5-5.5	BROOKLYN, NY	09/14/13 09:40
L1318166-02	CSO_COMP-02_0-10	BROOKLYN, NY	09/14/13 10:00
L1318166-03	CSO_COMP-03_0-10	BROOKLYN, NY	09/14/13 11:00
L1318166-04	CSO_SB-03A_8.5-9	BROOKLYN, NY	09/14/13 10:50
L1318166-05	CSO_COMP-04_0-10	BROOKLYN, NY	09/14/13 11:55
L1318166-06	TB01_091413	BROOKLYN, NY	09/14/13 00:00
L1318166-07	CSO_SB-04B_6.5-7.0	BROOKLYN, NY	09/14/13 11:45

Project Name: GREENPOINT LANDING **Lab Number:** L1318166
Project Number: 170229002 **Report Date:** 09/24/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1318166-02 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Organochlorine Pesticides

L1318166-02 and -03 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318166-02, -03 and -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318166-02, -03 and -05, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 09/24/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-01	Date Collected:	09/14/13 09:40
Client ID:	CSO_SB-02B_5-5.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 15:51		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.50	1
Bromoform	ND		ug/kg	4.4	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-01 Date Collected: 09/14/13 09:40

Client ID: CSO_SB-02B_5-5.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	3.6	J	ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.4	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.61	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.86	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	1.7	J	ug/kg	5.4	0.84	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
Methyl Acetate	ND		ug/kg	22	0.83	1
Cyclohexane	ND		ug/kg	22	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-01	Date Collected:	09/14/13 09:40
Client ID:	CSO_SB-02B_5-5.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.4	0.17	1
p-Ethyltoluene	ND		ug/kg	4.4	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.49	1
Methyl cyclohexane	ND		ug/kg	4.4	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-04	Date Collected:	09/14/13 10:50
Client ID:	CSO_SB-03A_8.5-9	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 22:32		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.42	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-04 Date Collected: 09/14/13 10:50

Client ID: CSO_SB-03A_8.5-9 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.40	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	8.5	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.69	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.97	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.97	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
Methyl Acetate	ND		ug/kg	24	0.94	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-04	Date Collected:	09/14/13 10:50
Client ID:	CSO_SB-03A_8.5-9	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.34	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.55	1
Methyl cyclohexane	ND		ug/kg	4.9	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-06	Date Collected:	09/14/13 00:00
Client ID:	TB01_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:29		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-06 Date Collected: 09/14/13 00:00

Client ID: TB01_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-06	Date Collected:	09/14/13 00:00
Client ID:	TB01_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-07	Date Collected:	09/14/13 11:45
Client ID:	CSO_SB-04B_6.5-7.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 23:00		
Analyst:	PP		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.7	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.7	0.61	1
Bromoform	ND		ug/kg	5.4	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.23	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	0.39	J	ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-07 Date Collected: 09/14/13 11:45

Client ID: CSO_SB-04B_6.5-7.0 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.43	1
o-Xylene	ND		ug/kg	2.7	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	ND		ug/kg	13	4.2	1
Carbon disulfide	ND		ug/kg	13	2.7	1
2-Butanone	ND		ug/kg	13	0.48	1
Vinyl acetate	ND		ug/kg	13	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.7	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.43	1
Bromobenzene	ND		ug/kg	6.7	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.27	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.7	0.76	1
o-Chlorotoluene	ND		ug/kg	6.7	0.22	1
p-Chlorotoluene	ND		ug/kg	6.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.57	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.7	1.0	1
Acrylonitrile	ND		ug/kg	13	0.32	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.7	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.7	0.77	1
Methyl Acetate	ND		ug/kg	27	1.0	1
Cyclohexane	ND		ug/kg	27	1.4	1
1,4-Dioxane	ND		ug/kg	130	23.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-07	Date Collected:	09/14/13 11:45
Client ID:	CSO_SB-04B_6.5-7.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	27	0.37	1
p-Diethylbenzene	ND		ug/kg	5.4	0.22	1
p-Ethyltoluene	ND		ug/kg	5.4	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.18	1
Ethyl ether	ND		ug/kg	6.7	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	0.60	1
Methyl cyclohexane	ND		ug/kg	5.4	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
Freon-113	89		88		50-139	1		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
Freon-113	85		83		50-139	2		30
p-Diethylbenzene	94		94		70-130	0		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 21:36		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160	J	ug/kg	600	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	750	250	4
Hexachlorobenzene	ND		ug/kg	450	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	680	210	4
2-Chloronaphthalene	ND		ug/kg	750	240	4
1,2-Dichlorobenzene	ND		ug/kg	750	250	4
1,3-Dichlorobenzene	ND		ug/kg	750	240	4
1,4-Dichlorobenzene	ND		ug/kg	750	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	750	200	4
2,4-Dinitrotoluene	ND		ug/kg	750	160	4
2,6-Dinitrotoluene	ND		ug/kg	750	190	4
Fluoranthene	4000		ug/kg	450	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	750	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	750	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	900	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	810	230	4
Hexachlorobutadiene	ND		ug/kg	750	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	480	4
Hexachloroethane	ND		ug/kg	600	140	4
Isophorone	ND		ug/kg	680	200	4
Naphthalene	320	J	ug/kg	750	250	4
Nitrobenzene	ND		ug/kg	680	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	600	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	750	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	750	200	4
Butyl benzyl phthalate	ND		ug/kg	750	150	4
Di-n-butylphthalate	ND		ug/kg	750	140	4
Di-n-octylphthalate	ND		ug/kg	750	180	4
Diethyl phthalate	ND		ug/kg	750	160	4
Dimethyl phthalate	ND		ug/kg	750	190	4
Benzo(a)anthracene	2000		ug/kg	450	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02 D Date Collected: 09/14/13 10:00

Client ID: CSO_COMP-02_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2600		ug/kg	600	180	4
Benzo(b)fluoranthene	2800		ug/kg	450	150	4
Benzo(k)fluoranthene	1100		ug/kg	450	140	4
Chrysene	2200		ug/kg	450	150	4
Acenaphthylene	210	J	ug/kg	600	140	4
Anthracene	720		ug/kg	450	120	4
Benzo(ghi)perylene	1900		ug/kg	600	160	4
Fluorene	220	J	ug/kg	750	220	4
Phenanthrene	2500		ug/kg	450	150	4
Dibenzo(a,h)anthracene	440	J	ug/kg	450	140	4
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	600	170	4
Pyrene	3500		ug/kg	450	150	4
Biphenyl	ND		ug/kg	1700	250	4
4-Chloroaniline	ND		ug/kg	750	200	4
2-Nitroaniline	ND		ug/kg	750	210	4
3-Nitroaniline	ND		ug/kg	750	210	4
4-Nitroaniline	ND		ug/kg	750	200	4
Dibenzofuran	ND		ug/kg	750	250	4
2-Methylnaphthalene	ND		ug/kg	900	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	750	230	4
Acetophenone	ND		ug/kg	750	230	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
P-Chloro-M-Cresol	ND		ug/kg	750	220	4
2-Chlorophenol	ND		ug/kg	750	230	4
2,4-Dichlorophenol	ND		ug/kg	680	240	4
2,4-Dimethylphenol	ND		ug/kg	750	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	600	160	4
Phenol	ND		ug/kg	750	220	4
2-Methylphenol	ND		ug/kg	750	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	750	240	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	750	230	4
Carbazole	270	J	ug/kg	750	160	4
Benzaldehyde	ND		ug/kg	990	300	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02 D
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	750	210	4
Atrazine	ND		ug/kg	600	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	750	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	81		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:03		
Analyst:	PS		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100		ug/kg	180	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	72.	1
Hexachlorobenzene	ND		ug/kg	130	41.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	61.	1
2-Chloronaphthalene	ND		ug/kg	220	71.	1
1,2-Dichlorobenzene	ND		ug/kg	220	72.	1
1,3-Dichlorobenzene	ND		ug/kg	220	69.	1
1,4-Dichlorobenzene	ND		ug/kg	220	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	56.	1
Fluoranthene	7600		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	66.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	77.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	66.	1
Hexachlorobutadiene	ND		ug/kg	220	62.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	140	1
Hexachloroethane	ND		ug/kg	180	40.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	520		ug/kg	220	73.	1
Nitrobenzene	ND		ug/kg	200	52.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	65.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	57.	1
Butyl benzyl phthalate	ND		ug/kg	220	43.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	54.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1
Benzo(a)anthracene	3900		ug/kg	130	43.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03 Date Collected: 09/14/13 11:00

Client ID: CSO_COMP-03_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3500		ug/kg	180	54.	1
Benzo(b)fluoranthene	4100		ug/kg	130	44.	1
Benzo(k)fluoranthene	1700		ug/kg	130	42.	1
Chrysene	3500		ug/kg	130	43.	1
Acenaphthylene	430		ug/kg	180	41.	1
Anthracene	2900		ug/kg	130	36.	1
Benzo(ghi)perylene	1700		ug/kg	180	46.	1
Fluorene	1400		ug/kg	220	63.	1
Phenanthrene	7600		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	570		ug/kg	130	42.	1
Indeno(1,2,3-cd)Pyrene	2000		ug/kg	180	48.	1
Pyrene	6600		ug/kg	130	42.	1
Biphenyl	120	J	ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	58.	1
2-Nitroaniline	ND		ug/kg	220	62.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	860		ug/kg	220	73.	1
2-Methylnaphthalene	330		ug/kg	260	70.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	68.	1
Acetophenone	ND		ug/kg	220	68.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
P-Chloro-M-Cresol	ND		ug/kg	220	63.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
2,4-Dichlorophenol	ND		ug/kg	200	71.	1
2,4-Dimethylphenol	ND		ug/kg	220	65.	1
2-Nitrophenol	ND		ug/kg	470	68.	1
4-Nitrophenol	ND		ug/kg	310	71.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	80.	1
Pentachlorophenol	ND		ug/kg	180	47.	1
Phenol	ND		ug/kg	220	65.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	72.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	71.	1
Benzoic Acid	ND		ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	1200		ug/kg	220	47.	1
Benzaldehyde	ND		ug/kg	290	88.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	60.	1
Atrazine	ND		ug/kg	180	50.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	92		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:31		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	72	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	1200		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	100	J	ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	40	J	ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	510		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05 Date Collected: 09/14/13 11:55

Client ID: CSO_COMP-04_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	560		ug/kg	160	48.	1
Benzo(b)fluoranthene	650		ug/kg	120	40.	1
Benzo(k)fluoranthene	240		ug/kg	120	37.	1
Chrysene	550		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	260		ug/kg	120	32.	1
Benzo(ghi)perylene	410		ug/kg	160	41.	1
Fluorene	90	J	ug/kg	200	56.	1
Phenanthrene	990		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	110	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	390		ug/kg	160	43.	1
Pyrene	1100		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	86	J	ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	97	J	ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	107		0-136
4-Terphenyl-d14	99		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 02:37		
Analyst:	JV		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 18:19		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1850000		ug/kg	182000	17800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 02:48		
Analyst:	AR		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	317000		ug/kg	43400	4250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 03:18		
Analyst:	JV		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	3400	65.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	93		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 04:21		
Analyst:	AR		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	74500		ug/kg	37600	3680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	106		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 03:58		
Analyst:	JV		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1300	J	ug/kg	3000	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	102		70-130
4-Bromofluorobenzene	95		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02-03,05 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02-03,05 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: MS Sample												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: DUP Sample					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:22	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	7.36	1	A
Aroclor 1221	ND		ug/kg	37.2	11.2	1	A
Aroclor 1232	ND		ug/kg	37.2	7.91	1	A
Aroclor 1242	ND		ug/kg	37.2	7.07	1	A
Aroclor 1248	24.6	J	ug/kg	37.2	4.51	1	B
Aroclor 1254	23.1	J	ug/kg	37.2	5.87	1	B
Aroclor 1260	28.3	J	ug/kg	37.2	6.46	1	B
Aroclor 1262	ND		ug/kg	37.2	2.75	1	A
Aroclor 1268	ND		ug/kg	37.2	5.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:35	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	74%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.5	8.59	1	A
Aroclor 1221	ND		ug/kg	43.5	13.1	1	A
Aroclor 1232	ND		ug/kg	43.5	9.24	1	A
Aroclor 1242	ND		ug/kg	43.5	8.25	1	A
Aroclor 1248	ND		ug/kg	43.5	5.26	1	A
Aroclor 1254	ND		ug/kg	43.5	6.85	1	A
Aroclor 1260	ND		ug/kg	43.5	7.55	1	A
Aroclor 1262	ND		ug/kg	43.5	3.22	1	A
Aroclor 1268	ND		ug/kg	43.5	6.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:48	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	7.52	1	A
Aroclor 1221	ND		ug/kg	38.1	11.5	1	A
Aroclor 1232	ND		ug/kg	38.1	8.09	1	A
Aroclor 1242	ND		ug/kg	38.1	7.23	1	A
Aroclor 1248	ND		ug/kg	38.1	4.61	1	A
Aroclor 1254	ND		ug/kg	38.1	6.00	1	A
Aroclor 1260	ND		ug/kg	38.1	6.61	1	A
Aroclor 1262	ND		ug/kg	38.1	2.82	1	A
Aroclor 1268	ND		ug/kg	38.1	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318166

Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:23	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	22.7	1	A
2,4,5-T	ND		ug/kg	187	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	57		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 11:38	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.5	3.43	10	A
Lindane	ND		ug/kg	7.30	3.26	10	A
Alpha-BHC	ND		ug/kg	7.30	2.07	10	A
Beta-BHC	ND		ug/kg	17.5	6.64	10	A
Heptachlor	ND		ug/kg	8.76	3.93	10	A
Aldrin	ND		ug/kg	17.5	6.17	10	A
Heptachlor epoxide	ND		ug/kg	32.8	9.86	10	A
Endrin	ND		ug/kg	7.30	2.99	10	A
Endrin ketone	ND		ug/kg	17.5	4.51	10	A
Dieldrin	ND		ug/kg	11.0	5.48	10	A
4,4'-DDE	ND		ug/kg	17.5	4.05	10	A
4,4'-DDD	ND		ug/kg	17.5	6.25	10	A
4,4'-DDT	ND		ug/kg	32.8	14.1	10	A
Endosulfan I	ND		ug/kg	17.5	4.14	10	A
Endosulfan II	ND		ug/kg	17.5	5.86	10	A
Endosulfan sulfate	ND		ug/kg	7.30	3.34	10	A
Methoxychlor	ND		ug/kg	32.8	10.2	10	A
Toxaphene	ND		ug/kg	328	92.0	10	A
cis-Chlordane	ND		ug/kg	21.9	6.10	10	A
trans-Chlordane	ND		ug/kg	21.9	5.78	10	A
Chlordane	ND		ug/kg	142	58.0	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:43	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	221	26.9	1	A
2,4,5-T	ND		ug/kg	221	13.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	221	12.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	108		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03 D	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 11:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	20.9	4.09	10	A
Lindane	ND		ug/kg	8.71	3.89	10	A
Alpha-BHC	ND		ug/kg	8.71	2.47	10	A
Beta-BHC	ND		ug/kg	20.9	7.92	10	A
Heptachlor	ND		ug/kg	10.4	4.68	10	A
Aldrin	ND		ug/kg	20.9	7.36	10	A
Heptachlor epoxide	ND		ug/kg	39.2	11.8	10	A
Endrin	ND		ug/kg	8.71	3.57	10	A
Endrin ketone	ND		ug/kg	20.9	5.38	10	A
Dieldrin	ND		ug/kg	13.1	6.53	10	A
4,4'-DDE	ND		ug/kg	20.9	4.83	10	A
4,4'-DDD	ND		ug/kg	20.9	7.45	10	A
4,4'-DDT	ND		ug/kg	39.2	16.8	10	A
Endosulfan I	ND		ug/kg	20.9	4.94	10	A
Endosulfan II	ND		ug/kg	20.9	6.98	10	A
Endosulfan sulfate	ND		ug/kg	8.71	3.98	10	A
Methoxychlor	ND		ug/kg	39.2	12.2	10	A
Toxaphene	ND		ug/kg	392	110.	10	A
cis-Chlordane	ND		ug/kg	26.1	7.28	10	A
trans-Chlordane	ND		ug/kg	26.1	6.90	10	A
Chlordane	ND		ug/kg	170	69.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	145		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**411**	Q	30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 12:04	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.428	1	A
4,4'-DDD	ND		ug/kg	1.85	0.660	1	A
4,4'-DDT	3.88		ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.352	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.71	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.610	1	A
Chlordane	ND		ug/kg	15.0	6.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:03	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	24.0	1	A
2,4,5-T	ND		ug/kg	198	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	10.9	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 12:17
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/19/13 14:36
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG637490-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.596	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.884	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.982	0.491	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.525	A
Endosulfan sulfate	ND		ug/kg	0.654	0.299	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.25	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.8	5.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637490-2 WG637490-3									
Delta-BHC	95		98		30-150	3		30	A
Lindane	83		88		30-150	6		30	A
Alpha-BHC	83		84		30-150	1		30	A
Beta-BHC	80		86		30-150	7		30	A
Heptachlor	89		95		30-150	7		30	A
Aldrin	88		94		30-150	7		30	A
Heptachlor epoxide	82		93		30-150	13		30	A
Endrin	99		100		30-150	1		30	A
Endrin ketone	95		93		30-150	2		30	A
Dieldrin	92		96		30-150	4		30	A
4,4'-DDE	86		89		30-150	3		30	A
4,4'-DDD	94		94		30-150	0		30	A
4,4'-DDT	93		87		30-150	7		30	A
Endosulfan I	92		97		30-150	5		30	A
Endosulfan II	100		77		30-150	26		30	A
Endosulfan sulfate	104		102		30-150	2		30	A
Methoxychlor	82		84		30-150	2		30	A
cis-Chlordane	85		84		30-150	1		30	A
trans-Chlordane	88		90		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318166

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637490-2 WG637490-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	A
Decachlorobiphenyl	93		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		65		30-150	B
Decachlorobiphenyl	102		104		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Barium, TCLP	0.60		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Lead, TCLP	0.18	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:55	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8700		mg/kg	8.9	1.8	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.71	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.89	0.27	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Beryllium, Total	0.87		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Cadmium, Total	0.87	J	mg/kg	0.89	0.06	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Calcium, Total	28000		mg/kg	8.9	2.7	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Chromium, Total	25		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Cobalt, Total	12		mg/kg	1.8	0.44	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Copper, Total	230		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Iron, Total	22000		mg/kg	4.4	1.8	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Lead, Total	360		mg/kg	4.4	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Magnesium, Total	6700		mg/kg	8.9	0.89	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Mercury, Total	0.45		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:26	EPA 7471B	1,7471B	MC
Nickel, Total	24		mg/kg	2.2	0.36	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Potassium, Total	1100		mg/kg	220	36.	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Selenium, Total	0.91	J	mg/kg	1.8	0.27	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Sodium, Total	320		mg/kg	180	27.	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Vanadium, Total	25		mg/kg	0.89	0.09	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Zinc, Total	700		mg/kg	4.4	0.62	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Barium, TCLP	0.64		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Lead, TCLP	3.6		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:57	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03
Client ID: CSO_COMP-03_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 09/14/13 11:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7000		mg/kg	10	2.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Antimony, Total	1.9	J	mg/kg	5.1	0.82	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Arsenic, Total	20		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Barium, Total	150		mg/kg	1.0	0.31	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Beryllium, Total	0.54		mg/kg	0.51	0.10	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Cadmium, Total	0.93	J	mg/kg	1.0	0.07	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Calcium, Total	26000		mg/kg	10	3.1	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Cobalt, Total	7.4		mg/kg	2.0	0.51	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Copper, Total	87		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Iron, Total	23000		mg/kg	5.1	2.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Lead, Total	920		mg/kg	5.1	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Magnesium, Total	3400		mg/kg	10	1.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Manganese, Total	490		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Mercury, Total	0.41		mg/kg	0.11	0.02	1	09/21/13 12:30	09/23/13 10:28	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.6	0.41	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	260	41.	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Selenium, Total	0.48	J	mg/kg	2.0	0.31	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	200	31.	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.41	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	1.0	0.10	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Zinc, Total	370		mg/kg	5.1	0.72	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Barium, TCLP	0.50		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Lead, TCLP	1.7		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:58	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05
Client ID: CSO_COMP-04_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 09/14/13 11:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9000		mg/kg	9.3	1.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Arsenic, Total	9.6		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.93	0.28	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Beryllium, Total	1.2		mg/kg	0.46	0.09	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Cadmium, Total	0.93		mg/kg	0.93	0.07	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Calcium, Total	31000		mg/kg	9.3	2.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Cobalt, Total	11		mg/kg	1.8	0.46	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Copper, Total	68		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.6	1.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Lead, Total	420		mg/kg	4.6	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Magnesium, Total	6800		mg/kg	9.3	0.93	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Manganese, Total	270		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Mercury, Total	0.23		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:29	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.3	0.37	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Potassium, Total	800		mg/kg	230	37.	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Selenium, Total	0.68	J	mg/kg	1.8	0.28	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Sodium, Total	240		mg/kg	180	28.	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.93	0.09	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Zinc, Total	290		mg/kg	4.6	0.65	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02-03,05 Batch: WG637383-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03,05 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Thallium, Total	ND	mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03,05 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02-03,05 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637383-2								
Arsenic, TCLP	108		-		75-125	-		20
Barium, TCLP	105		-		75-125	-		20
Cadmium, TCLP	106		-		75-125	-		20
Chromium, TCLP	105		-		75-125	-		20
Lead, TCLP	104		-		75-125	-		20
Selenium, TCLP	117		-		75-125	-		20
Silver, TCLP	108		-		75-125	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	78	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637383-4 QC Sample: L1318339-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.3	108		-	-		75-125	-		20
Barium, TCLP	0.34J	20	21	105		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.54	106		-	-		75-125	-		20
Chromium, TCLP	0.10J	2	2.2	110		-	-		75-125	-		20
Lead, TCLP	0.14J	5.1	5.4	106		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.4	117		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.54	108		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Aluminum, Total	1500	194	2700	**618**	Q	-	-	75-125	-	35
Antimony, Total	4.4J	48.5	52	107		-	-	75-125	-	35
Arsenic, Total	12.	11.6	23	86		-	-	75-125	-	35
Barium, Total	360	194	670	**154**	Q	-	-	75-125	-	35
Beryllium, Total	0.22J	4.85	5.1	105		-	-	75-125	-	35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-	75-125	-	35
Calcium, Total	620	971	4700	**419**	Q	-	-	75-125	-	35
Chromium, Total	14.	19.4	27	**62**	Q	-	-	75-125	-	35
Cobalt, Total	3.4	48.5	49	94		-	-	75-125	-	35
Copper, Total	130	24.3	120	**0**	Q	-	-	75-125	-	35
Iron, Total	5800	97.1	5200	**0**	Q	-	-	75-125	-	35
Lead, Total	420	49.5	280	**0**	Q	-	-	75-125	-	35
Magnesium, Total	290	971	1200	93		-	-	75-125	-	35
Manganese, Total	56.	48.5	110	107		-	-	75-125	-	35
Nickel, Total	15.	48.5	56	84		-	-	75-125	-	35
Potassium, Total	220J	971	1300	**134**	Q	-	-	75-125	-	35
Selenium, Total	6.1	11.6	16	84		-	-	75-125	-	35
Silver, Total	0.26J	29.1	28	96		-	-	75-125	-	35
Sodium, Total	120J	971	1200	124		-	-	75-125	-	35
Thallium, Total	ND	11.6	10	86		-	-	75-125	-	35
Vanadium, Total	8.1	48.5	54	94		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637383-3 QC Sample: L1318339-01 Client ID: DUP Sample						
Lead, TCLP	0.14J	0.15J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-01
Client ID: CSO_SB-02B_5-5.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:40
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	25		mg/kg	0.91	0.91	1	-	09/23/13 11:29	107,-	JO
Solids, Total	88.2		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:51	1,9010C/9012A	JO
pH (H)	10		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.91	0.20	1	09/16/13 22:00	09/18/13 00:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:07	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03
Client ID: CSO_COMP-03_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	1.1	1.1	1	-	09/23/13 11:29	107,-	JO
Solids, Total	74.0		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.31	1	09/18/13 10:00	09/18/13 15:20	1,9010C/9012A	JO
pH (H)	8.4		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.24	1	09/16/13 22:00	09/18/13 00:31	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:07	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-04
Client ID: CSO_SB-03A_8.5-9
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 10:50
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05
Client ID: CSO_COMP-04_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.95	0.95	1	-	09/23/13 11:29	107,-	JO
Solids, Total	83.9		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	09/18/13 10:00	09/18/13 15:21	1,9010C/9012A	JO
pH (H)	7.9		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.95	0.21	1	09/16/13 22:00	09/18/13 00:31	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-07
Client ID: CSO_SB-04B_6.5-7.0
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:45
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636888-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:06	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636890-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/17/13 23:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03,05 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636888-2								
Cyanide, Reactive	43		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636890-2								
Sulfide, Reactive	89		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03,05 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: CSO_COMP-02_0-10						
pH (H)	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636888-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636890-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-05,07 QC Batch ID: WG636931-1 QC Sample: L1318141-01 Client ID: DUP Sample						
Solids, Total	89.9	91.1	%	1		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:09

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-01A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-01X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-01Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-01Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-02A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-02B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-02C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-02X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-03A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-03B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-03C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-03X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-04A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-04X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-04Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-04Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-05A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-05B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-05C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-05X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-06A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1318166-06B	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1318166-07A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-07X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-07Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-07Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)

Container Comments

L1318166-02C

L1318166-03B

L1318166-03C

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318166
Project Number: 170229002 **Report Date:** 09/24/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil □Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.□

Massachusetts Department of Environmental Protection Certi□icate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: □EPA 200.8 □or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ □EPA 200.7 □or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni□ 245.1, □300.0 □or: Nitrate-N, Fluoride, Sul□ate□□ □EPA 353.2 □or: Nitrate-N, Nitrite-N□□ □SM4500NO3-F □or: Nitrate-N and Nitrite-N□□4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: □EPA 524.2 □or: Trihalomethanes, Volatile Organics□□□504.1 □or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane□, EPA 332. Microbiology Parameters: SM9215B□EN□. SUB. SM9223□ Colilert□T SM9223B□MF-SM9222D.□

*Non-Potable Water (*Inorganic Parameters:, □EPA 200.8 □or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□□EPA 200.7 □or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□□ 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, □EPA 350.1 □or: Ammonia-N□, LACHAT 10-107-06-1-B □or Ammonia-N, SM4500NO3-F, 353.2 □or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: □EPA 624 □or Volatile Halocarbons, Volatile Aromatics□,□608 □or: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs-Water□, □EPA 625 □or SVOC Acid E□tractables and SVOC Base/Neutral E□tractables□, 600/4-81-045-PCB-Oil. Microbiology Parameters: □Colilert□T SM9223B□ Enterolert-□T: SM9222D-MF.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H□B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H□B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.□

Solid & Chemical Materials □Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water □Organic Parameters: **EPA 524.2:** Di-isopropyl ether □DIPE□, Ethyl-t-butyl ether □ETBE□, Tert-amyl methyl ether □TAME□□.

Non-Potable Water □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.□

Solid & Chemical Materials □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.□

New Jersey Department of Environmental Protection Certi□icate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5□E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dio□ane by N□Modi□ied 8270, 8015B, N□EPH.□

Solid & Chemical Materials □Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/24/13 CW

Serial No:09241315 17

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318166

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR, 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 Parameters 2) Provide Category A data deliverables 3) Provide NYSDEC EDD

ANALYSIS

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Ta/Metals, Total CN, Hexchrom, TCLP RCRA 8 Metals, Cyanide	TS	SVOC, PCB, 8-Hr. Hers, TPH GRO	PART 375	VOC	TPH GRO				Sample Specific Comments	TOTAL # BOTTLES
	~~02-SB-4C (0-0.5)~~	~~9/14/13~~	~~9:14~~	~~Soil~~													
18166.1	CSO-SB-02B-(5-5.5)	9/14/13	9:40	Soil		X		X								CSO_SB-02B_5-5.5	4
2	CSO-COMP-02-0-10		10:00				X		X		X						3
3	CSO-COMP-03-0-10		11:00				X		X		X						3
4	CSO-SB-03A-(8.5-9)		10:50			X		X								CSO_SB-03A_8.5-9	4
5	CSO-COMP-04-0-10		11:55				X		X		X						3
	~~Trip Blank~~																
6	TRIP BLANK_091413		13:20	AQ							X					TB01_091413	2
7	CSO-SB-04B-(5.5-6)		11:45	Soil		X		X								CSO_SB-04B_6.5-7.5	4

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	1330 9/14/13	Abdul Matubar	9/14/13 13
Abdul Matubar	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318166

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St. 8th Floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR, 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 Parameters 2) Provide Category A data deliverables 3) Provide NYSDEC EDD

ANALYSIS: VOC; TAL Metals, Total CN, Hexavalent Chromium, TCLP RCRA 8 Metals, Cyanide; TS; SVOC, PCB, 8-Ox, TPH GRO; Part 375 Metals; VOC; TPH GRO

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hexavalent Chromium, TCLP RCRA 8 Metals, Cyanide	TS	SVOC, PCB, 8-Ox, TPH GRO	Part 375 Metals	VOC	TPH GRO	Sample Specific Comments	TOTAL # BOTTLES
	~~CS2-SB-4C (0-0.5)~~	~~9/14/13~~	~~9:14~~	~~Soil~~										
1866.1	CSO-SB-02B-(5-5.5)	9/14/13	9:40	Soil		X		X						4
2	CSO-COMP-02-0-10		10:00				X		X		X			3
3	CSO-COMP-03-0-10		11:00				X		X		X			3
4	CSO-SB-03A-(8.5-9)		10:50			X		X						4
5	CSO-COMP-04-0-10		11:55				X		X		X			3
	~~NB [illegible] Blank~~													
6	TRIP BLANK-091413		13:20	AQ						X				2
7	CSO-SB-04B-(5.5-6)		11:45	Soil		X		X						4

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	1330 9/14/13	Abdul Matubar	9/14/13 13
Abdul Matubar	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318167
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/24/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318167-01	CSO_COMP-05_0-10	BROOKLYN, NY	09/14/13 13:05
L1318167-02	CSO_SB-05A_7.5-8.0	BROOKLYN, NY	09/14/13 13:00
L1318167-03	CSO_SB-06A_3.5-4	BROOKLYN, NY	09/14/13 13:15
L1318167-04	CSO_COMP-06_0-10	BROOKLYN, NY	09/14/13 13:15
L1318167-05	TB02_091413	BROOKLYN, NY	09/14/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318167
Project Number: 170229002 **Report Date:** 09/24/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Organochlorine Pesticides

L1318167-01 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318167-01 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318167-01 and -04, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/24/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-02	Date Collected:	09/14/13 13:00
Client ID:	CSO_SB-05A_7.5-8.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 10:17		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.92	0.13	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.10	1
Bromodichloromethane	ND		ug/kg	0.92	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.16	1
Benzene	ND		ug/kg	0.92	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.92	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.92	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-02 Date Collected: 09/14/13 13:00

Client ID: CSO_SB-05A_7.5-8.0 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.14	1
Dibromomethane	ND		ug/kg	9.2	0.15	1
Styrene	ND		ug/kg	1.8	0.28	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.20	1
Acetone	6.5	J	ug/kg	9.2	2.9	1
Carbon disulfide	ND		ug/kg	9.2	1.8	1
2-Butanone	ND		ug/kg	9.2	0.33	1
Vinyl acetate	ND		ug/kg	9.2	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.21	1
2-Hexanone	ND		ug/kg	9.2	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.92	0.18	1
sec-Butylbenzene	ND		ug/kg	0.92	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.92	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.2	0.22	1
n-Propylbenzene	ND		ug/kg	0.92	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.70	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	92	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-02	Date Collected:	09/14/13 13:00
Client ID:	CSO_SB-05A_7.5-8.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.41	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-03	Date Collected:	09/14/13 13:15
Client ID:	CSO_SB-06A_3.5-4	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:01		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	640	130	1
1,1-Dichloroethane	ND		ug/kg	96	11.	1
Chloroform	ND		ug/kg	96	24.	1
Carbon tetrachloride	ND		ug/kg	64	13.	1
1,2-Dichloropropane	ND		ug/kg	220	15.	1
Dibromochloromethane	ND		ug/kg	64	20.	1
1,1,2-Trichloroethane	ND		ug/kg	96	19.	1
Tetrachloroethene	29	J	ug/kg	64	9.0	1
Chlorobenzene	ND		ug/kg	64	22.	1
Trichlorofluoromethane	ND		ug/kg	320	7.8	1
1,2-Dichloroethane	ND		ug/kg	64	9.3	1
1,1,1-Trichloroethane	ND		ug/kg	64	7.1	1
Bromodichloromethane	ND		ug/kg	64	15.	1
trans-1,3-Dichloropropene	ND		ug/kg	64	7.7	1
cis-1,3-Dichloropropene	ND		ug/kg	64	8.1	1
1,1-Dichloropropene	ND		ug/kg	320	29.	1
Bromoform	ND		ug/kg	260	26.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	64	11.	1
Benzene	ND		ug/kg	64	7.5	1
Toluene	27	J	ug/kg	96	7.2	1
Ethylbenzene	ND		ug/kg	64	9.4	1
Chloromethane	ND		ug/kg	320	50.	1
Bromomethane	ND		ug/kg	130	22.	1
Vinyl chloride	ND		ug/kg	130	9.0	1
Chloroethane	ND		ug/kg	130	20.	1
1,1-Dichloroethene	ND		ug/kg	64	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	96	14.	1
Trichloroethene	1500		ug/kg	64	9.7	1
1,2-Dichlorobenzene	ND		ug/kg	320	12.	1
1,3-Dichlorobenzene	ND		ug/kg	320	12.	1
1,4-Dichlorobenzene	ND		ug/kg	320	15.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-03 Date Collected: 09/14/13 13:15

Client ID: CSO_SB-06A_3.5-4 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	130	6.7	1
p/m-Xylene	24	J	ug/kg	130	21.	1
o-Xylene	ND		ug/kg	130	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	64	9.6	1
Dibromomethane	ND		ug/kg	640	10.	1
Styrene	ND		ug/kg	130	20.	1
Dichlorodifluoromethane	ND		ug/kg	640	14.	1
Acetone	ND		ug/kg	640	200	1
Carbon disulfide	ND		ug/kg	640	130	1
2-Butanone	ND		ug/kg	640	23.	1
Vinyl acetate	ND		ug/kg	640	31.	1
4-Methyl-2-pentanone	ND		ug/kg	640	16.	1
1,2,3-Trichloropropane	ND		ug/kg	640	14.	1
2-Hexanone	ND		ug/kg	640	12.	1
Bromochloromethane	ND		ug/kg	320	12.	1
2,2-Dichloropropane	ND		ug/kg	320	14.	1
1,2-Dibromoethane	ND		ug/kg	260	11.	1
1,3-Dichloropropane	ND		ug/kg	320	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	64	20.	1
Bromobenzene	ND		ug/kg	320	13.	1
n-Butylbenzene	ND		ug/kg	64	13.	1
sec-Butylbenzene	ND		ug/kg	64	13.	1
tert-Butylbenzene	ND		ug/kg	320	36.	1
o-Chlorotoluene	ND		ug/kg	320	10.	1
p-Chlorotoluene	ND		ug/kg	320	9.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	320	50.	1
Hexachlorobutadiene	ND		ug/kg	320	27.	1
Isopropylbenzene	ND		ug/kg	64	11.	1
p-Isopropyltoluene	ND		ug/kg	64	12.	1
Naphthalene	680		ug/kg	320	49.	1
Acrylonitrile	ND		ug/kg	640	15.	1
n-Propylbenzene	ND		ug/kg	64	8.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	320	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	320	50.	1
1,3,5-Trimethylbenzene	ND		ug/kg	320	9.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	320	37.	1
Methyl Acetate	ND		ug/kg	1300	49.	1
Cyclohexane	ND		ug/kg	1300	69.	1
1,4-Dioxane	ND		ug/kg	6400	1100	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-03	Date Collected:	09/14/13 13:15
Client ID:	CSO_SB-06A_3.5-4	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1300	17.	1
p-Diethylbenzene	ND		ug/kg	260	10.	1
p-Ethyltoluene	ND		ug/kg	260	7.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	260	8.3	1
Ethyl ether	ND		ug/kg	320	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	320	29.	1
Methyl cyclohexane	ND		ug/kg	260	81.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-05	Date Collected:	09/14/13 00:00
Client ID:	TB02_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:57		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-05 Date Collected: 09/14/13 00:00

Client ID: TB02_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-05	Date Collected:	09/14/13 00:00
Client ID:	TB02_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	118		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
Methylene chloride	86		91		70-130	6		30
1,1-Dichloroethane	91		97		70-130	6		30
Chloroform	92		97		70-130	5		30
Carbon tetrachloride	98		101		70-130	3		30
1,2-Dichloropropane	92		96		70-130	4		30
Dibromochloromethane	101		105		70-130	4		30
1,1,2-Trichloroethane	100		104		70-130	4		30
Tetrachloroethene	104		107		70-130	3		30
Chlorobenzene	101		104		70-130	3		30
Trichlorofluoromethane	105		111		70-139	6		30
1,2-Dichloroethane	92		94		70-130	2		30
1,1,1-Trichloroethane	94		98		70-130	4		30
Bromodichloromethane	92		95		70-130	3		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	94		98		70-130	4		30
Bromoform	103		105		70-130	2		30
1,1,2,2-Tetrachloroethane	99		102		70-130	3		30
Benzene	94		98		70-130	4		30
Toluene	101		104		70-130	3		30
Ethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
Chloromethane	88		101		52-130	14		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	100		107		67-130	7		30
Chloroethane	109		109		50-151	0		30
1,1-Dichloroethene	97		102		65-135	5		30
trans-1,2-Dichloroethene	94		100		70-130	6		30
Trichloroethene	94		98		70-130	4		30
1,2-Dichlorobenzene	102		106		70-130	4		30
1,3-Dichlorobenzene	103		107		70-130	4		30
1,4-Dichlorobenzene	102		106		70-130	4		30
Methyl tert butyl ether	90		94		66-130	4		30
p/m-Xylene	102		105		70-130	3		30
o-Xylene	102		105		70-130	3		30
cis-1,2-Dichloroethene	93		97		70-130	4		30
Dibromomethane	94		97		70-130	3		30
Styrene	103		107		70-130	4		30
Dichlorodifluoromethane	92		99		30-146	7		30
Acetone	90		80		54-140	12		30
Carbon disulfide	90		94		59-130	4		30
2-Butanone	112		102		70-130	9		30
Vinyl acetate	84		88		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
4-Methyl-2-pentanone	88		89		70-130	1		30
1,2,3-Trichloropropane	101		102		68-130	1		30
2-Hexanone	106		96		70-130	10		30
Bromochloromethane	96		100		70-130	4		30
2,2-Dichloropropane	96		99		70-130	3		30
1,2-Dibromoethane	101		104		70-130	3		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	102		106		70-130	4		30
Bromobenzene	100		104		70-130	4		30
n-Butylbenzene	102		105		70-130	3		30
sec-Butylbenzene	102		106		70-130	4		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	102		106		70-130	4		30
p-Chlorotoluene	100		104		70-130	4		30
1,2-Dibromo-3-chloropropane	97		100		68-130	3		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	100		103		70-130	3		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	94		100		70-130	6		30
Acrylonitrile	89		92		70-130	3		30
Isopropyl Ether	88		93		66-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	99		103		70-130	4		30
1,2,3-Trichlorobenzene	98		103		70-130	5		30
1,2,4-Trichlorobenzene	100		104		70-130	4		30
1,3,5-Trimethylbenzene	102		105		70-130	3		30
1,2,4-Trimethylbenzene	102		106		70-130	4		30
Methyl Acetate	90		92		51-146	2		30
Ethyl Acetate	89		90		70-130	1		30
Acrolein	91		93		70-130	2		30
Cyclohexane	92		95		59-142	3		30
1,4-Dioxane	84		88		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		102		50-139	5		30
1,4-Diethylbenzene	103		107		70-130	4		30
4-Ethyltoluene	101		105		70-130	4		30
1,2,4,5-Tetramethylbenzene	101		105		70-130	4		30
Tetrahydrofuran	88		87		66-130	1		30
Ethyl ether	86		91		67-130	6		30
trans-1,4-Dichloro-2-butene	98		99		70-130	1		30
Methyl cyclohexane	95		97		70-130	2		30
Ethyl-Tert-Butyl-Ether	90		95		70-130	5		30
Tertiary-Amyl Methyl Ether	94		97		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:59		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	820		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	6800		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	1000		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	3200		ug/kg	110	37.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01 Date Collected: 09/14/13 13:05

Client ID: CSO_COMP-05_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	150	46.	1
Benzo(b)fluoranthene	3900		ug/kg	110	38.	1
Benzo(k)fluoranthene	1500		ug/kg	110	36.	1
Chrysene	3100		ug/kg	110	37.	1
Acenaphthylene	640		ug/kg	150	35.	1
Anthracene	2000		ug/kg	110	31.	1
Benzo(ghi)perylene	2200		ug/kg	150	39.	1
Fluorene	890		ug/kg	190	54.	1
Phenanthrene	6100		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	610		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	2300		ug/kg	150	42.	1
Pyrene	5700		ug/kg	110	36.	1
Biphenyl	170	J	ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	780		ug/kg	190	62.	1
2-Methylnaphthalene	490		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	62	J	ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	770		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	76.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	89		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 23:27		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	1200		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	160	J	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	54	J	ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	740		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04 Date Collected: 09/14/13 13:15

Client ID: CSO_COMP-06_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	980		ug/kg	160	47.	1
Benzo(b)fluoranthene	1400		ug/kg	120	39.	1
Benzo(k)fluoranthene	470		ug/kg	120	37.	1
Chrysene	930		ug/kg	120	38.	1
Acenaphthylene	110	J	ug/kg	160	36.	1
Anthracene	220		ug/kg	120	32.	1
Benzo(ghi)perylene	830		ug/kg	160	40.	1
Fluorene	94	J	ug/kg	190	56.	1
Phenanthrene	890		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	230		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	820		ug/kg	160	43.	1
Pyrene	1200		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	110	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	82	J	ug/kg	190	42.	1
Benzaldehyde	ND		ug/kg	260	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	84		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/19/13 04:07		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	251000		ug/kg	37500	3680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 14:31		
Analyst:	GT		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	3000		ug/kg	2800	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	89		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 15:12		
Analyst:	GT		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	760	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	91		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04 D	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 16:15		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	234000		ug/kg	75500	7400	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01,04 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01,04 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318167

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,04 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:01	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	7.36	1	A
Aroclor 1221	ND		ug/kg	37.3	11.2	1	A
Aroclor 1232	ND		ug/kg	37.3	7.92	1	A
Aroclor 1242	ND		ug/kg	37.3	7.07	1	A
Aroclor 1248	ND		ug/kg	37.3	4.51	1	A
Aroclor 1254	ND		ug/kg	37.3	5.88	1	A
Aroclor 1260	ND		ug/kg	37.3	6.47	1	A
Aroclor 1262	ND		ug/kg	37.3	2.76	1	A
Aroclor 1268	ND		ug/kg	37.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:14	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	7.58	1	A
Aroclor 1221	ND		ug/kg	38.4	11.6	1	A
Aroclor 1232	ND		ug/kg	38.4	8.15	1	A
Aroclor 1242	ND		ug/kg	38.4	7.28	1	A
Aroclor 1248	ND		ug/kg	38.4	4.64	1	A
Aroclor 1254	ND		ug/kg	38.4	6.05	1	A
Aroclor 1260	ND		ug/kg	38.4	6.66	1	A
Aroclor 1262	ND		ug/kg	38.4	2.84	1	A
Aroclor 1268	ND		ug/kg	38.4	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318167

Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,04 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:23	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	23.7	1	A
2,4,5-T	ND		ug/kg	195	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01 D	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:00	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.45	10	A
Lindane	ND		ug/kg	7.35	3.28	10	A
Alpha-BHC	ND		ug/kg	7.35	2.09	10	A
Beta-BHC	ND		ug/kg	17.6	6.69	10	A
Heptachlor	ND		ug/kg	8.82	3.95	10	A
Aldrin	ND		ug/kg	17.6	6.21	10	A
Heptachlor epoxide	ND		ug/kg	33.1	9.92	10	A
Endrin	ND		ug/kg	7.35	3.01	10	A
Endrin ketone	ND		ug/kg	17.6	4.54	10	A
Dieldrin	ND		ug/kg	11.0	5.51	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.29	10	A
4,4'-DDT	ND		ug/kg	33.1	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.17	10	A
Endosulfan II	ND		ug/kg	17.6	5.89	10	A
Endosulfan sulfate	ND		ug/kg	7.35	3.36	10	A
Methoxychlor	ND		ug/kg	33.1	10.3	10	A
Toxaphene	ND		ug/kg	331	92.6	10	A
cis-Chlordane	ND		ug/kg	22.0	6.14	10	A
trans-Chlordane	ND		ug/kg	22.0	5.82	10	A
Chlordane	ND		ug/kg	143	58.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**335**	Q	30-150	A
Decachlorobiphenyl	**265**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	**195**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	23.3	1	A
2,4,5-T	ND		ug/kg	192	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04 D	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:12	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.9	3.50	10	A
Lindane	ND		ug/kg	7.44	3.33	10	A
Alpha-BHC	ND		ug/kg	7.44	2.11	10	A
Beta-BHC	ND		ug/kg	17.9	6.77	10	A
Heptachlor	ND		ug/kg	8.93	4.00	10	A
Aldrin	ND		ug/kg	17.9	6.29	10	A
Heptachlor epoxide	ND		ug/kg	33.5	10.0	10	A
Endrin	ND		ug/kg	7.44	3.05	10	A
Endrin ketone	ND		ug/kg	17.9	4.60	10	A
Dieldrin	ND		ug/kg	11.2	5.58	10	A
4,4'-DDE	ND		ug/kg	17.9	4.13	10	A
4,4'-DDD	ND		ug/kg	17.9	6.37	10	A
4,4'-DDT	22.3	J	ug/kg	33.5	14.4	10	B
Endosulfan I	ND		ug/kg	17.9	4.22	10	A
Endosulfan II	ND		ug/kg	17.9	5.97	10	A
Endosulfan sulfate	ND		ug/kg	7.44	3.40	10	A
Methoxychlor	ND		ug/kg	33.5	10.4	10	A
Toxaphene	ND		ug/kg	335	93.8	10	A
cis-Chlordane	ND		ug/kg	22.3	6.22	10	A
trans-Chlordane	ND		ug/kg	22.3	5.90	10	A
Chlordane	ND		ug/kg	145	59.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	125		30-150	A
Decachlorobiphenyl	**161**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	**381**	Q	30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,04 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.03	J	mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Barium, TCLP	0.59		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Lead, TCLP	0.62		mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:00	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318167
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01
Client ID: CSO_COMP-05_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 09/14/13 13:05
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8900		mg/kg	8.7	1.7	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.70	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Barium, Total	140		mg/kg	0.87	0.26	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Beryllium, Total	1.3		mg/kg	0.43	0.09	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Cadmium, Total	0.96		mg/kg	0.87	0.06	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Calcium, Total	28000		mg/kg	8.7	2.6	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Chromium, Total	28		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Cobalt, Total	16		mg/kg	1.7	0.43	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Copper, Total	210		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.3	1.7	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Lead, Total	610		mg/kg	4.3	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Magnesium, Total	10000		mg/kg	8.7	0.87	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Mercury, Total	0.49		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:31	EPA 7471B	1,7471B	MC
Nickel, Total	34		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Selenium, Total	0.41	J	mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Sodium, Total	690		mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Vanadium, Total	22		mg/kg	0.87	0.09	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Zinc, Total	1100		mg/kg	4.3	0.61	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Barium, TCLP	0.65		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Lead, TCLP	1.5		mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:02	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318167
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04
Client ID: CSO_COMP-06_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	8.8	1.8	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Arsenic, Total	7.8		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.88	0.26	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Beryllium, Total	1.5		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.88	0.06	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Calcium, Total	23000		mg/kg	8.8	2.6	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Chromium, Total	32		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Cobalt, Total	17		mg/kg	1.8	0.44	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Copper, Total	190		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Iron, Total	27000		mg/kg	4.4	1.8	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Lead, Total	310		mg/kg	4.4	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Magnesium, Total	8200		mg/kg	8.8	0.88	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Mercury, Total	0.50		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:37	EPA 7471B	1,7471B	MC
Nickel, Total	34		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Selenium, Total	0.40	J	mg/kg	1.8	0.26	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Sodium, Total	410		mg/kg	180	26.	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Vanadium, Total	25		mg/kg	0.88	0.09	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Zinc, Total	780		mg/kg	4.4	0.62	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG637446-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG637446-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	104	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637446-4 QC Sample: L1318167-01 Client ID: CSO_COMP-05_0-10										
Arsenic, TCLP	0.03J	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.59	20	21	102		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.1	105		-	-	75-125	-	20
Lead, TCLP	0.62	5.1	5.7	100		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637446-3 QC Sample: L1318167-01 Client ID: CSO_COMP-05_0-10					
Arsenic, TCLP	0.03J	0.05J	mg/l	NC	20
Barium, TCLP	0.59	0.57	mg/l	3	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.62	0.60	mg/l	3	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01
Client ID: CSO_COMP-05_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:05
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	28		mg/kg	0.91	0.91	1	-	09/23/13 11:29	107,-	JO
Solids, Total	87.5		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:22	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.91	0.20	1	09/16/13 17:50	09/17/13 22:39	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-02
Client ID: CSO_SB-05A_7.5-8.0
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-03
Client ID: CSO_SB-06A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04
Client ID: CSO_COMP-06_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	32		mg/kg	0.94	0.94	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/18/13 10:00	09/18/13 15:23	1,9010C/9012A	JO
pH (H)	8.1		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 17:50	09/17/13 22:39	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636888-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:06	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636890-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/17/13 23:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636888-2								
Cyanide, Reactive	43		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636890-2								
Sulfide, Reactive	89		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: DUP Sample						
pH	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: DUP Sample						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636888-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636890-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:09

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-01A	Vial Large Septa unpreserved	A	N/A	3.2	Y	Absent	TPH-GRO(14)
L1318167-01B	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-01C	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-01X	Plastic 250ml HNO3 preserved spl	A	<2	3.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318167-02A	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-02B	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-02C	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-02D	Plastic 2oz unpreserved for TS	A	N/A	3.2	Y	Absent	TS(7)
L1318167-02X	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-02Y	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-02Z	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03A	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03B	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03C	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03D	Plastic 2oz unpreserved for TS	A	N/A	3.2	Y	Absent	TS(7)
L1318167-03X	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03Y	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03Z	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-04A	Vial Large Septa unpreserved	A	N/A	3.2	Y	Absent	TPH-GRO(14)
L1318167-04B	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-04C	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-04X	Plastic 250ml HNO3 preserved spl	A	<2	3.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318167-05A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1318167-05B	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318167
Project Number: 170229002 **Report Date:** 09/24/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/24/13 CW

Serial_No:09241315:19

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318167

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St 8th Fl, New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5441

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use, SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC card

ANALYSIS

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest/Herb	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	Sample Specific Comments	Total # Bottles
1	CSO_COMP-05_0-10	9/13/13	1305	Soil			X		X X			3
2	CSO_SB-05A_(6.5-7)		1300			X		X			CSO_SB-05A-7.5-8.	4
3	CSO_SB-06A_(3.5-4)		1315			X		X			CSO_SB-06A_3.5_4	4
4	CSO-COMP-06-0-10		1315				X		X X			3
5	Trip Blank-091413									X	TB02_091413	2

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
Samantha Bell	1330, 9/14/13	Abdul Mahubey	9/14/13 13:30
Abdul Mahubey	9/14/13 17:35	[illegible]	9/14/13 17:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318167

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St 8th Fl, New York, NY 10001
Phone: 217-479-5400
Fax: 217-479-5441
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use, SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC card

ANALYSIS: VOC; Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest, Herb; 13 SVOC, PCB, Pest, Herb, TPH DRO; TPH GRO; VOC

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest, Herb	13 SVOC, PCB, Pest, Herb	TPH DRO	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
1	CSO_COMP-05_0-10	9/13/13	1305	Soil			X	X	X				3
2	CSO_SB-05A_(6.5-7)		1300			X		X					4
3	CSO_SB-06A_(3.5-4)		1315			X		X					4
4	CSO_COMP-06_0-10		1315				X	X	X				3
5	Trip Blank_091413									X			2

	Relinquished By:	Date/Time	Received By:	Date/Time
Container Type / Preservative	Samantha Bell	1330, 9/14/13	Abdul Mahdy	9/14/13 13:30
	Abdul Mahdy	9/14/13 17:35	[illegible]	9/14/13 17:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318168
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/25/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318168-01	G2_SB-04C_0-0.5	BROOKLYN, NY	09/14/13 08:15
L1318168-02	G2_SB-05B_2.5-3	BROOKLYN, NY	09/14/13 08:43
L1318168-03	CSO_SB-01A_0-0.5	BROOKLYN, NY	09/14/13 09:00
L1318168-04	G2_COMP-04_0-5	BROOKLYN, NY	09/14/13 08:15
L1318168-05	G2_COMP-05_0-5	BROOKLYN, NY	09/14/13 08:55
L1318168-06	CSO_COMP-01_0-10	BROOKLYN, NY	09/14/13 09:15
L1318168-07	TB03_091413	BROOKLYN, NY	09/14/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318168
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1318168-04 has elevated detection limits due to the dilution required by the sample matrix.

L1318168-05 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Pesticides

L1318168-04, -05, and -06 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318168-04, -05, and -06 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318168-04, -05, and -06, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration, no qualification of the results was performed.

Chromium, Hexavalent

The WG636545-5/-8 MS/MSD recoveries (60%/64%), performed on L1318168-04, are below the acceptance criteria; however, the associated LCS recovery is within criteria. This has been attributed to matrix interference.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-01	Date Collected:	09/14/13 08:15
Client ID:	G2_SB-04C_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	None
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:29		
Analyst:	BN		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	870	170	1
1,1-Dichloroethane	ND		ug/kg	130	15.	1
Chloroform	ND		ug/kg	130	32.	1
Carbon tetrachloride	ND		ug/kg	87	18.	1
1,2-Dichloropropane	ND		ug/kg	300	20.	1
Dibromochloromethane	ND		ug/kg	87	27.	1
1,1,2-Trichloroethane	ND		ug/kg	130	26.	1
Tetrachloroethene	ND		ug/kg	87	12.	1
Chlorobenzene	ND		ug/kg	87	30.	1
Trichlorofluoromethane	ND		ug/kg	440	10.	1
1,2-Dichloroethane	43	J	ug/kg	87	13.	1
1,1,1-Trichloroethane	ND		ug/kg	87	9.6	1
Bromodichloromethane	ND		ug/kg	87	20.	1
trans-1,3-Dichloropropene	ND		ug/kg	87	10.	1
cis-1,3-Dichloropropene	ND		ug/kg	87	11.	1
1,1-Dichloropropene	ND		ug/kg	440	40.	1
Bromoform	ND		ug/kg	350	36.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	87	15.	1
Benzene	3500		ug/kg	87	10.	1
Toluene	9700		ug/kg	130	9.7	1
Ethylbenzene	3000		ug/kg	87	13.	1
Chloromethane	ND		ug/kg	440	68.	1
Bromomethane	ND		ug/kg	170	29.	1
Vinyl chloride	ND		ug/kg	170	12.	1
Chloroethane	ND		ug/kg	170	28.	1
1,1-Dichloroethene	ND		ug/kg	87	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	18.	1
Trichloroethene	ND		ug/kg	87	13.	1
1,2-Dichlorobenzene	ND		ug/kg	440	16.	1
1,3-Dichlorobenzene	ND		ug/kg	440	16.	1
1,4-Dichlorobenzene	30	J	ug/kg	440	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-01 Date Collected: 09/14/13 08:15

Client ID: G2_SB-04C_0-0.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	170	9.1	1
p/m-Xylene	9900		ug/kg	170	28.	1
o-Xylene	2200		ug/kg	170	24.	1
cis-1,2-Dichloroethene	ND		ug/kg	87	13.	1
Dibromomethane	ND		ug/kg	870	14.	1
Styrene	ND		ug/kg	170	27.	1
Dichlorodifluoromethane	ND		ug/kg	870	19.	1
Acetone	310	J	ug/kg	870	270	1
Carbon disulfide	ND		ug/kg	870	170	1
2-Butanone	ND		ug/kg	870	31.	1
Vinyl acetate	ND		ug/kg	870	42.	1
4-Methyl-2-pentanone	ND		ug/kg	870	21.	1
1,2,3-Trichloropropane	45	J	ug/kg	870	20.	1
2-Hexanone	ND		ug/kg	870	16.	1
Bromochloromethane	ND		ug/kg	440	17.	1
2,2-Dichloropropane	ND		ug/kg	440	20.	1
1,2-Dibromoethane	ND		ug/kg	350	15.	1
1,3-Dichloropropane	ND		ug/kg	440	15.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	87	28.	1
Bromobenzene	ND		ug/kg	440	18.	1
n-Butylbenzene	480		ug/kg	87	17.	1
sec-Butylbenzene	130		ug/kg	87	18.	1
tert-Butylbenzene	ND		ug/kg	440	49.	1
o-Chlorotoluene	ND		ug/kg	440	14.	1
p-Chlorotoluene	ND		ug/kg	440	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	440	69.	1
Hexachlorobutadiene	ND		ug/kg	440	37.	1
Isopropylbenzene	250		ug/kg	87	14.	1
p-Isopropyltoluene	100		ug/kg	87	17.	1
Naphthalene	2300		ug/kg	440	67.	1
Acrylonitrile	ND		ug/kg	870	21.	1
n-Propylbenzene	1200		ug/kg	87	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	440	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	440	69.	1
1,3,5-Trimethylbenzene	1200		ug/kg	440	12.	1
1,2,4-Trimethylbenzene	5300		ug/kg	440	50.	1
Methyl Acetate	ND		ug/kg	1700	66.	1
Cyclohexane	ND		ug/kg	1700	93.	1
1,4-Dioxane	ND		ug/kg	8700	1500	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-01	Date Collected:	09/14/13 08:15
Client ID:	G2_SB-04C_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1700	24.	1
p-Diethylbenzene	2300		ug/kg	350	14.	1
p-Ethyltoluene	4600		ug/kg	350	10.	1
1,2,4,5-Tetramethylbenzene	2600		ug/kg	350	11.	1
Ethyl ether	ND		ug/kg	440	23.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	440	39.	1
Methyl cyclohexane	1000		ug/kg	350	110	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-02	Date Collected:	09/14/13 08:43
Client ID:	G2_SB-05B_2.5-3	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 02:45		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.16	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Chloromethane	ND		ug/kg	4.6	0.73	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-02 Date Collected: 09/14/13 08:43

Client ID: G2_SB-05B_2.5-3 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.20	1
Acetone	ND		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	ND		ug/kg	9.3	0.33	1
Vinyl acetate	ND		ug/kg	9.3	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
2-Hexanone	ND		ug/kg	9.3	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.30	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.3	0.22	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.71	1
Cyclohexane	ND		ug/kg	18	1.0	1
1,4-Dioxane	ND		ug/kg	93	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-02	Date Collected:	09/14/13 08:43
Client ID:	G2_SB-05B_2.5-3	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.42	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-03	Date Collected:	09/14/13 09:00
Client ID:	CSO_SB-01A_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 03:13		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.46	1
Bromoform	ND		ug/kg	4.0	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-03 Date Collected: 09/14/13 09:00

Client ID: CSO_SB-01A_0-0.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	3.4	J	ug/kg	10	3.1	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.22	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.20	1
tert-Butylbenzene	ND		ug/kg	5.0	0.56	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.0	0.77	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57	1
Methyl Acetate	ND		ug/kg	20	0.76	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-03	Date Collected:	09/14/13 09:00
Client ID:	CSO_SB-01A_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45	1
Methyl cyclohexane	ND		ug/kg	4.0	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-07	Date Collected:	09/14/13 00:00
Client ID:	TB03_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 19:24		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-07 Date Collected: 09/14/13 00:00

Client ID: TB03_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-07	Date Collected:	09/14/13 00:00
Client ID:	TB03_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 23:55			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	290	75.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	68.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	97.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	93.	2
Fluoranthene	1800		ug/kg	220	67.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	84.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	330	97.	2
Naphthalene	540		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	330	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	71.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	90.	2
Diethyl phthalate	ND		ug/kg	360	77.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	830		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04 D Date Collected: 09/14/13 08:15

Client ID: G2_COMP-04_0-5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	830		ug/kg	290	89.	2
Benzo(b)fluoranthene	1100		ug/kg	220	73.	2
Benzo(k)fluoranthene	420		ug/kg	220	69.	2
Chrysene	960		ug/kg	220	71.	2
Acenaphthylene	120	J	ug/kg	290	68.	2
Anthracene	340		ug/kg	220	60.	2
Benzo(ghi)perylene	620		ug/kg	290	76.	2
Fluorene	240	J	ug/kg	360	100	2
Phenanthrene	1500		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	170	J	ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	620		ug/kg	290	81.	2
Pyrene	1700		ug/kg	220	71.	2
Biphenyl	ND		ug/kg	830	120	2
4-Chloroaniline	ND		ug/kg	360	96.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	170	J	ug/kg	360	120	2
2-Methylnaphthalene	370	J	ug/kg	440	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	69.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	330	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	510	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	500	2
4,6-Dinitro-o-cresol	ND		ug/kg	950	130	2
Pentachlorophenol	ND		ug/kg	290	78.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	120	J	ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04 D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	43		0-136
4-Terphenyl-d14	62		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 20:31
Analytical Date:	09/21/13 00:23			
Analyst:	PS			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	820		ug/kg	610	160	4
1,2,4-Trichlorobenzene	ND		ug/kg	770	250	4
Hexachlorobenzene	ND		ug/kg	460	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	690	220	4
2-Chloronaphthalene	ND		ug/kg	770	250	4
1,2-Dichlorobenzene	ND		ug/kg	770	250	4
1,3-Dichlorobenzene	ND		ug/kg	770	240	4
1,4-Dichlorobenzene	ND		ug/kg	770	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	770	200	4
2,4-Dinitrotoluene	ND		ug/kg	770	160	4
2,6-Dinitrotoluene	ND		ug/kg	770	200	4
Fluoranthene	6900		ug/kg	460	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	770	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	770	180	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	920	270	4
Bis(2-chloroethoxy)methane	ND		ug/kg	830	230	4
Hexachlorobutadiene	ND		ug/kg	770	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	490	4
Hexachloroethane	ND		ug/kg	610	140	4
Isophorone	ND		ug/kg	690	200	4
Naphthalene	460	J	ug/kg	770	260	4
Nitrobenzene	ND		ug/kg	690	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	610	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	770	230	4
Bis(2-Ethylhexyl)phthalate	210	J	ug/kg	770	200	4
Butyl benzyl phthalate	ND		ug/kg	770	150	4
Di-n-butylphthalate	ND		ug/kg	770	150	4
Di-n-octylphthalate	ND		ug/kg	770	190	4
Diethyl phthalate	ND		ug/kg	770	160	4
Dimethyl phthalate	ND		ug/kg	770	200	4
Benzo(a)anthracene	3500		ug/kg	460	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05 D Date Collected: 09/14/13 08:55

Client ID: G2_COMP-05_0-5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	610	190	4
Benzo(b)fluoranthene	3400		ug/kg	460	160	4
Benzo(k)fluoranthene	1500		ug/kg	460	150	4
Chrysene	3600		ug/kg	460	150	4
Acenaphthylene	310	J	ug/kg	610	140	4
Anthracene	2000		ug/kg	460	130	4
Benzo(ghi)perylene	1800		ug/kg	610	160	4
Fluorene	870		ug/kg	770	220	4
Phenanthrene	7100		ug/kg	460	150	4
Dibenzo(a,h)anthracene	480		ug/kg	460	150	4
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	610	170	4
Pyrene	7400		ug/kg	460	150	4
Biphenyl	ND		ug/kg	1800	250	4
4-Chloroaniline	ND		ug/kg	770	200	4
2-Nitroaniline	ND		ug/kg	770	220	4
3-Nitroaniline	ND		ug/kg	770	210	4
4-Nitroaniline	ND		ug/kg	770	210	4
Dibenzofuran	320	J	ug/kg	770	260	4
2-Methylnaphthalene	430	J	ug/kg	920	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	770	240	4
Acetophenone	ND		ug/kg	770	240	4
2,4,6-Trichlorophenol	ND		ug/kg	460	140	4
P-Chloro-M-Cresol	ND		ug/kg	770	220	4
2-Chlorophenol	ND		ug/kg	770	230	4
2,4-Dichlorophenol	ND		ug/kg	690	250	4
2,4-Dimethylphenol	ND		ug/kg	770	230	4
2-Nitrophenol	ND		ug/kg	1600	240	4
4-Nitrophenol	ND		ug/kg	1100	250	4
2,4-Dinitrophenol	ND		ug/kg	3700	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	610	160	4
Phenol	ND		ug/kg	770	230	4
2-Methylphenol	ND		ug/kg	770	250	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	770	250	4
Benzoic Acid	ND		ug/kg	2500	780	4
Benzyl Alcohol	ND		ug/kg	770	240	4
Carbazole	340	J	ug/kg	770	160	4
Benzaldehyde	ND		ug/kg	1000	310	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05 D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	770	210	4
Atrazine	ND		ug/kg	610	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	770	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	76		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/21/13 00:51		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	350		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	7800	E	ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	140	J	ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	68	J	ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	4500		ug/kg	110	35.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06 Date Collected: 09/14/13 09:15

Client ID: CSO_COMP-01_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	4300		ug/kg	140	44.	1
Benzo(b)fluoranthene	5300		ug/kg	110	36.	1
Benzo(k)fluoranthene	1600		ug/kg	110	34.	1
Chrysene	4200		ug/kg	110	35.	1
Acenaphthylene	110	J	ug/kg	140	34.	1
Anthracene	1600		ug/kg	110	30.	1
Benzo(ghi)perylene	2500		ug/kg	140	38.	1
Fluorene	350		ug/kg	180	52.	1
Phenanthrene	4300		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	760		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	2700		ug/kg	140	40.	1
Pyrene	7400	E	ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	170	J	ug/kg	180	60.	1
2-Methylnaphthalene	93	J	ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	220		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	100		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06 D	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/25/13 00:06		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	9400		ug/kg	220	66.	2
Pyrene	9000		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 15:53		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	6100		ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 16:46			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	537000		ug/kg	175000	17100	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 16:34		
Analyst:	GT		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	5400		ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	85		70-130
4-Bromofluorobenzene	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 17:17			
Analyst:	AR			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1060000		ug/kg	186000	18200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 22:57		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	182000		ug/kg	35100	3430	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 17:15		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	82	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		70-130
4-Bromofluorobenzene	87		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 05-06 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04-06 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 05-06 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 05-06 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:28	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	7.24	1	A
Aroclor 1221	ND		ug/kg	36.7	11.1	1	A
Aroclor 1232	ND		ug/kg	36.7	7.79	1	A
Aroclor 1242	ND		ug/kg	36.7	6.96	1	A
Aroclor 1248	ND		ug/kg	36.7	4.44	1	A
Aroclor 1254	31.8	J	ug/kg	36.7	5.78	1	B
Aroclor 1260	49.2		ug/kg	36.7	6.36	1	B
Aroclor 1262	ND		ug/kg	36.7	2.71	1	A
Aroclor 1268	ND		ug/kg	36.7	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:41	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	7.43	1	A
Aroclor 1221	ND		ug/kg	37.6	11.4	1	A
Aroclor 1232	ND		ug/kg	37.6	8.00	1	A
Aroclor 1242	ND		ug/kg	37.6	7.14	1	A
Aroclor 1248	ND		ug/kg	37.6	4.55	1	A
Aroclor 1254	ND		ug/kg	37.6	5.93	1	A
Aroclor 1260	26.5	J	ug/kg	37.6	6.53	1	B
Aroclor 1262	ND		ug/kg	37.6	2.78	1	A
Aroclor 1268	ND		ug/kg	37.6	5.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:54	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	7.10	1	A
Aroclor 1221	ND		ug/kg	35.9	10.8	1	A
Aroclor 1232	ND		ug/kg	35.9	7.64	1	A
Aroclor 1242	ND		ug/kg	35.9	6.82	1	A
Aroclor 1248	ND		ug/kg	35.9	4.35	1	A
Aroclor 1254	ND		ug/kg	35.9	5.67	1	A
Aroclor 1260	ND		ug/kg	35.9	6.24	1	A
Aroclor 1262	ND		ug/kg	35.9	2.66	1	A
Aroclor 1268	ND		ug/kg	35.9	5.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318168

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-06 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:02	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.3	1	A
2,4,5-T	ND		ug/kg	184	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	129		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:25		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/19/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.3	3.39	10	A
Lindane	ND		ug/kg	7.21	3.22	10	A
Alpha-BHC	ND		ug/kg	7.21	2.05	10	A
Beta-BHC	ND		ug/kg	17.3	6.56	10	A
Heptachlor	ND		ug/kg	8.65	3.88	10	A
Aldrin	ND		ug/kg	17.3	6.09	10	A
Heptachlor epoxide	ND		ug/kg	32.4	9.73	10	A
Endrin	ND		ug/kg	7.21	2.95	10	A
Endrin ketone	ND		ug/kg	17.3	4.45	10	A
Dieldrin	ND		ug/kg	10.8	5.40	10	A
4,4'-DDE	ND		ug/kg	17.3	4.00	10	A
4,4'-DDD	33.1		ug/kg	17.3	6.17	10	B
4,4'-DDT	20.7	J	ug/kg	32.4	13.9	10	A
Endosulfan I	ND		ug/kg	17.3	4.09	10	A
Endosulfan II	ND		ug/kg	17.3	5.78	10	A
Endosulfan sulfate	ND		ug/kg	7.21	3.29	10	A
Methoxychlor	ND		ug/kg	32.4	10.1	10	A
Toxaphene	ND		ug/kg	324	90.8	10	A
cis-Chlordane	ND		ug/kg	21.6	6.02	10	A
trans-Chlordane	ND		ug/kg	21.6	5.71	10	A
Chlordane	ND		ug/kg	140	57.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**233**	Q	30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:22	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	23.0	1	A
2,4,5-T	ND		ug/kg	189	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	**18**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:38		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/19/13
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.9	3.50	10	A
Lindane	ND		ug/kg	7.45	3.33	10	A
Alpha-BHC	ND		ug/kg	7.45	2.12	10	A
Beta-BHC	ND		ug/kg	17.9	6.78	10	A
Heptachlor	ND		ug/kg	8.94	4.01	10	A
Aldrin	ND		ug/kg	17.9	6.30	10	A
Heptachlor epoxide	ND		ug/kg	33.5	10.0	10	A
Endrin	ND		ug/kg	7.45	3.05	10	A
Endrin ketone	ND		ug/kg	17.9	4.60	10	A
Dieldrin	ND		ug/kg	11.2	5.59	10	A
4,4'-DDE	ND		ug/kg	17.9	4.14	10	A
4,4'-DDD	ND		ug/kg	17.9	6.38	10	A
4,4'-DDT	34.8		ug/kg	33.5	14.4	10	A
Endosulfan I	ND		ug/kg	17.9	4.22	10	A
Endosulfan II	ND		ug/kg	17.9	5.98	10	A
Endosulfan sulfate	ND		ug/kg	7.45	3.40	10	A
Methoxychlor	ND		ug/kg	33.5	10.4	10	A
Toxaphene	ND		ug/kg	335	93.9	10	A
cis-Chlordane	ND		ug/kg	22.4	6.23	10	A
trans-Chlordane	ND		ug/kg	22.4	5.90	10	A
Chlordane	ND		ug/kg	145	59.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.4	1	A
2,4,5-T	ND		ug/kg	184	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06 D	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	3.34	10	A
Lindane	ND		ug/kg	7.12	3.18	10	A
Alpha-BHC	ND		ug/kg	7.12	2.02	10	A
Beta-BHC	ND		ug/kg	17.1	6.48	10	A
Heptachlor	ND		ug/kg	8.54	3.83	10	A
Aldrin	ND		ug/kg	17.1	6.01	10	A
Heptachlor epoxide	ND		ug/kg	32.0	9.61	10	A
Endrin	ND		ug/kg	7.12	2.92	10	A
Endrin ketone	ND		ug/kg	17.1	4.40	10	A
Dieldrin	ND		ug/kg	10.7	5.34	10	A
4,4'-DDE	ND		ug/kg	17.1	3.95	10	A
4,4'-DDD	ND		ug/kg	17.1	6.09	10	A
4,4'-DDT	24.9	J	ug/kg	32.0	13.7	10	A
Endosulfan I	ND		ug/kg	17.1	4.03	10	A
Endosulfan II	ND		ug/kg	17.1	5.71	10	A
Endosulfan sulfate	ND		ug/kg	7.12	3.25	10	A
Methoxychlor	ND		ug/kg	32.0	9.96	10	A
Toxaphene	ND		ug/kg	320	89.6	10	A
cis-Chlordane	ND		ug/kg	21.3	5.95	10	A
trans-Chlordane	ND		ug/kg	21.3	5.64	10	A
Chlordane	ND		ug/kg	139	56.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	142		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	**167**	Q	30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-06 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-06 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318168

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Barium, TCLP	0.41	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Lead, TCLP	0.27	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:04	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04
Client ID: G2_COMP-04_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7200		mg/kg	8.7	1.7	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Barium, Total	280		mg/kg	0.87	0.26	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Beryllium, Total	1.5		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.87	0.06	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Calcium, Total	46000		mg/kg	8.7	2.6	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Chromium, Total	33		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Cobalt, Total	14		mg/kg	1.7	0.44	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Copper, Total	270		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Iron, Total	21000		mg/kg	4.4	1.7	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Lead, Total	440		mg/kg	4.4	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Magnesium, Total	12000		mg/kg	8.7	0.87	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Mercury, Total	0.59		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:39	EPA 7471B	1,7471B	MC
Nickel, Total	32		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Potassium, Total	850		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Selenium, Total	1.3	J	mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Sodium, Total	330		mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.87	0.09	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Zinc, Total	1400		mg/kg	4.4	0.61	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Barium, TCLP	0.44	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:06	EPA 7470A	1,7470A	JH
Selenium, TCLP	0.03	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05
Client ID: G2_COMP-05_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/14/13 08:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6800		mg/kg	9.0	1.8	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.72	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Arsenic, Total	9.4		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Barium, Total	190		mg/kg	0.90	0.27	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Beryllium, Total	0.98		mg/kg	0.45	0.09	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.90	0.06	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Calcium, Total	23000		mg/kg	9.0	2.7	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Chromium, Total	22		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Cobalt, Total	14		mg/kg	1.8	0.45	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Copper, Total	320		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	4.5	1.8	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Lead, Total	220		mg/kg	4.5	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Magnesium, Total	5200		mg/kg	9.0	0.90	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Manganese, Total	350		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Mercury, Total	0.31		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:41	EPA 7471B	1,7471B	MC
Nickel, Total	28		mg/kg	2.2	0.36	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	220	36.	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Selenium, Total	0.44	J	mg/kg	1.8	0.27	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Sodium, Total	330		mg/kg	180	27.	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Vanadium, Total	26		mg/kg	0.90	0.09	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Zinc, Total	920		mg/kg	4.5	0.63	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Barium, TCLP	0.50		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Lead, TCLP	0.13	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:07	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7100		mg/kg	8.6	1.7	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.69	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Arsenic, Total	4.8		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Barium, Total	110		mg/kg	0.86	0.26	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Beryllium, Total	0.34	J	mg/kg	0.43	0.09	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Cadmium, Total	0.60	J	mg/kg	0.86	0.06	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Calcium, Total	4700		mg/kg	8.6	2.6	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Cobalt, Total	6.8		mg/kg	1.7	0.43	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Copper, Total	42		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.3	1.7	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Lead, Total	160		mg/kg	4.3	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Magnesium, Total	2800		mg/kg	8.6	0.86	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Mercury, Total	0.36		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:42	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.34	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	210	34.	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Sodium, Total	78	J	mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.86	0.09	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Zinc, Total	360		mg/kg	4.3	0.60	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-06 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-06 Batch: WG637446-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-06 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-06 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 Batch: WG637446-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	104	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637446-4 QC Sample: L1318167-01 Client ID: MS Sample										
Arsenic, TCLP	0.03J	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.59	20	21	102		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.1	105		-	-	75-125	-	20
Lead, TCLP	0.62	5.1	5.7	100		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637446-3 QC Sample: L1318167-01 Client ID: DUP Sample					
Arsenic, TCLP	0.03J	0.05J	mg/l	NC	20
Barium, TCLP	0.59	0.57	mg/l	3	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.62	0.60	mg/l	3	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-01
Client ID: G2_SB-04C_0-0.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-02
Client ID: G2_SB-05B_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:43
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-03
Client ID: CSO_SB-01A_0-0.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04
Client ID: G2_COMP-04_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	33		mg/kg	0.89	0.89	1	-	09/23/13 11:29	107,-	JO
Solids, Total	89.7		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/18/13 10:00	09/18/13 15:24	1,9010C/9012A	JO
pH (H)	9.1		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 17:50	09/17/13 22:40	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05
Client ID: G2_COMP-05_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.93	0.93	1	-	09/23/13 11:29	107,-	JO
Solids, Total	86.2		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:26	1,9010C/9012A	JO
pH (H)	8.3		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.93	0.21	1	09/16/13 17:50	09/17/13 22:43	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.89	0.89	1	-	09/23/13 11:29	107,-	JO
Solids, Total	89.8		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:27	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	0.23	J	mg/kg	0.89	0.20	1	09/16/13 17:50	09/17/13 22:44	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: DUP Sample						
pH	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG636931-1 QC Sample: L1318141-01 Client ID: DUP Sample						
Solids, Total	89.9	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:31

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-01A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-01X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-01Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-01Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-02X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-03X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-04A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-04B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-04C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318168-05A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-05B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-05C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-05X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318168-06A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-06B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06D	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-07A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1318168-07B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

Container Comments

L1318168-05C

L1318168-06B

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318168
Project Number: 170229002 **Report Date:** 09/25/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/24/13 CW

Serial No:09251312:00

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L4318168

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, P.P.C

Address: 360 W 31st St, 8th Fl. New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 20139603

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hex Chromium, TCLP RCRA 8 Metals	TS	SVOC, PCB, Pest Herb, 1,4-Dioxane	TPH	VOC							Sample Specific Comments	Total # Bottles
1	G2_SB-04C_0-0.5	9/14/13	8:15	SO	NB	X		X	X										4
2	G2_SB-05B_2.5-3	9/14/13	8:43	SO	NB	X		X	X										4
3	CSO_SB-01A_0-0.5	9/14/13	9:00	SO	NB	X		X	X										4
4	G2_COMP-04_0-5	9/14/13	8:15	SO	NB		X			X	X								3
5	G2_COMP-05_0-5	9/14/13	8:55	SO	NB		X			X	X								3
6	CSO_COMP-01_0-10	9/14/13	9:15	SO	NB		X			X	X								3
7	TRIP BLANK_091413	9/14/13	13:30	AQ	NB							X						TB03_091413	2
	Container Type					E	A		P	A	A	A							
	Preservative					A	A		A	A	A	B							

Relinquished By:	Date/Time	Received By:	Date/Time
Gregory Klyke	9/14/13 13:31	Abdul Mahubey	9/14/13 13:3
Abdul Mahubey	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Serial No:09251312:00

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L43181168

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C
Address: 360 W 31st St, 8th Fl.
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139163

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hex Chromium, TCLP RCRA 8 Metals	PCB Aroclors	TS	SVOC PCB Pest Herb	TPH	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
181168.1	G2_SB-04C_0-0.5	9/14/13	8:15	SO	NB	X		X	X						4
2	G2_SB-05B_2.5-3	9/14/13	8:43	SO	NB	X		X	X						4
3	CSO_SB-01A_0-0.5	9/14/13	9:00	SO	NB	X		X	X						4
4	G2_COMP-04_0-5	9/14/13	8:15	SO	NB		X			X	X				3
5	G2_COMP-05_0-5	9/14/13	8:55	SO	NB		X			X	X				3
6	CSO_COMP-01_0-10	9/14/13	9:15	SO	NB		X			X	X				3
7	TRIP BLANK_091413	9/14/13	13:30	AQ	NB							X			2
Container Type						E	A		P	A	A	A			
Preservative						A	A		A	A	A	B			

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
Gregory Klyke	9/14/13 13:31	Abdul Mahubey	9/14/13 13:3
Abdul Mahubey	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ATTACHMENT E

LABORATORY ANALYTICAL DATA REPORTS (GROUNDWATER)

ANALYTICAL REPORT

Lab Number:	L1318577
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/30/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318577-01	MW3_091913	BROOKLYN, NY	09/19/13 11:00
L1318577-02	GB12OW_091913	BROOKLYN, NY	09/19/13 13:15

Project Name: GREENPOINT LANDING **Lab Number:** L1318577
Project Number: 170229002 **Report Date:** 09/30/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

The surrogate recovery for the WG638429-1 Method Blank is below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (27%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/30/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/21/13 00:40		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene	ND		ug/l	2.0	0.66	1
o-Xylene	ND		ug/l	1.0	0.30	1
Xylene (Total)	ND		ug/l	2.0	0.66	1
Methyl tert butyl ether	7.1	J	ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		80-120
Fluorobenzene	104		80-120
4-Bromofluorobenzene	95		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/21/13 01:15		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene	ND		ug/l	2.0	0.66	1
o-Xylene	ND		ug/l	1.0	0.30	1
Xylene (Total)	ND		ug/l	2.0	0.66	1
Methyl tert butyl ether	1.2	J	ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	94		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	3.2	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	2.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-Xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	2.0	0.66
Styrene[1]	ND		ug/l	1.0	0.30
Acetone[1]	ND		ug/l	10	1.8
Carbon disulfide[1]	ND		ug/l	5.0	0.90
2-Butanone[1]	ND		ug/l	10	2.2
Vinyl acetate[1]	ND		ug/l	10	2.9
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4
2-Hexanone[1]	ND		ug/l	10	2.5
Acrolein[1]	ND		ug/l	8.0	1.9
Acrylonitrile[1]	ND		ug/l	10	1.9
Methyl tert butyl ether[1]	ND		ug/l	10	0.58
Dibromomethane[1]	ND		ug/l	1.0	1.0
1,4-Dioxane[1]	ND		ug/l	2000	490
tert-Butyl Alcohol[1]	ND		ug/l	100	6.0
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	92		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Methylene chloride	110		-		70-111	-		30
1,1-Dichloroethane	107		-		78-116	-		30
Chloroform	107		-		86-111	-		30
Carbon tetrachloride	103		-		60-112	-		30
1,2-Dichloropropane	108		-		83-113	-		30
Dibromochloromethane	106		-		58-129	-		30
1,1,2-Trichloroethane	112		-		80-118	-		30
2-Chloroethylvinyl ether	**128**	Q	-		69-124	-		30
Tetrachloroethene	103		-		80-126	-		30
Chlorobenzene	94		-		80-126	-		30
Trichlorofluoromethane	101		-		83-128	-		30
1,2-Dichloroethane	**112**	Q	-		82-110	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Bromodichloromethane	104		-		71-120	-		30
trans-1,3-Dichloropropene	**107**	Q	-		73-106	-		30
cis-1,3-Dichloropropene	104		-		78-111	-		30
Bromoform	98		-		45-131	-		30
1,1,2,2-Tetrachloroethane	110		-		81-122	-		30
Benzene	108		-		84-116	-		30
Toluene	106		-		83-121	-		30
Ethylbenzene	96		-		84-123	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Chloromethane	101		-		70-144	-		30
Bromomethane	86		-		63-141	-		30
Vinyl chloride	95		-		56-118	-		30
Chloroethane	98		-		74-130	-		30
1,1-Dichloroethene	101		-		77-116	-		30
trans-1,2-Dichloroethene	105		-		81-121	-		30
cis-1,2-Dichloroethene[1]	107		-		85-110	-		30
Trichloroethene	106		-		84-118	-		30
1,2-Dichlorobenzene	100		-		78-128	-		30
1,3-Dichlorobenzene	97		-		77-125	-		30
1,4-Dichlorobenzene	99		-		77-125	-		30
p/m-Xylene[1]	99		-		81-121	-		30
o-Xylene[1]	98		-		81-124	-		30
Xylene (Total)[1]	98		-		81-122	-		30
Styrene[1]	100		-		84-133	-		30
Acetone[1]	138		-		40-160	-		30
Carbon disulfide[1]	99		-		54-134	-		30
2-Butanone[1]	**141**	Q	-		57-116	-		30
Vinyl acetate[1]	125		-		40-160	-		30
4-Methyl-2-pentanone[1]	**139**	Q	-		79-125	-		30
2-Hexanone[1]	**143**	Q	-		78-120	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Acrolein[1]	124		-		40-160	-		30
Acrylonitrile[1]	**130**	Q	-		66-123	-		30
Methyl tert butyl ether[1]	117		-		57-126	-		30
Dibromomethane[1]	107		-		65-126	-		30
1,4-Dioxane[1]	**153**	Q	-		74-121	-		30
tert-Butyl Alcohol[1]	**181**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	**122**	Q	-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	107				80-120
Fluorobenzene	104				80-120
4-Bromofluorobenzene	91				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Methylene chloride	ND	200	230	**117**	Q	-	-		70-111	-		30
1,1-Dichloroethane	ND	200	230	116		-	-		78-116	-		30
Chloroform	ND	200	230	**117**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	240	**121**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	230	**114**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	220	109		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	230	115		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	260	**130**	Q	-	-		69-124	-		30
Tetrachloroethene	ND	200	230	114		-	-		80-126	-		30
Chlorobenzene	ND	200	210	106		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	230	115		-	-		83-128	-		30
1,2-Dichloroethane	ND	200	230	**116**	Q	-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	240	**118**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	220	112		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	180	92		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	160	82		-	-		78-111	-		30
Bromoform	ND	200	200	100		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	220	109		-	-		81-122	-		30
Benzene	ND	200	230	**117**	Q	-	-		84-116	-		30
Toluene	ND	200	230	116		-	-		83-121	-		30
Ethylbenzene	ND	200	220	112		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Chloromethane	ND	200	190	94		-	-		70-144	-		30
Bromomethane	ND	200	94	**47**	Q	-	-		63-141	-		30
Vinyl chloride	ND	200	220	111		-	-		56-118	-		30
Chloroethane	ND	200	230	114		-	-		74-130	-		30
1,1-Dichloroethene	ND	200	230	**117**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	230	116		-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	220	**111**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	230	117		-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	210	105		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	210	104		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	210	106		-	-		77-125	-		30
p/m-Xylene[1]	ND	400	430	108		-	-		81-121	-		30
o-Xylene[1]	ND	200	210	106		-	-		81-124	-		30
Xylene (Total)[1]	ND	600	640	107		-	-		81-122	-		30
Styrene[1]	ND	200	210	107		-	-		84-133	-		30
Acetone[1]	ND	500	600	120		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	200	103		-	-		54-134	-		30
2-Butanone[1]	ND	500	600	**120**	Q	-	-		57-116	-		30
Vinyl acetate[1]	ND	400	400	101		-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	610	122		-	-		79-125	-		30
2-Hexanone[1]	ND	500	590	118		-	-		78-120	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Acrolein[1]	ND	400	410	103		-	-		40-160	-		30
Acrylonitrile[1]	ND	400	470	117		-	-		66-123	-		30
Dibromomethane[1]	ND	200	210	106		-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	96				80-120
Fluorobenzene	106				80-120
Pentafluorobenzene	106				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	ND	ND	ug/l	NC	30
o-Xylene[1]	ND	ND	ug/l	NC	30
Xylene (Total)[1]	ND	ND	ug/l	NC	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	ND	ND	ug/l	NC	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		105		80-120
Fluorobenzene	106		105		80-120
4-Bromofluorobenzene	95		97		80-120

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 625
Analytical Method:	5,625	Extraction Date:	09/24/13 07:18
Analytical Date:	09/28/13 05:14		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	5.0	1.6	1
Phenol	ND		ug/l	7.0	0.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		43-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	78		33-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 625
Analytical Method:	5,625	Extraction Date:	09/24/13 07:18
Analytical Date:	09/29/13 13:43		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	5.0	1.6	1
Phenol	ND		ug/l	7.0	0.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	74		43-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	90		33-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,625
Analytical Date: 09/28/13 03:02
Analyst: PS

Extraction Method: EPA 625
Extraction Date: 09/24/13 07:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638427-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	5.0	1.6
Phenol	ND		ug/l	7.0	0.90

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		43-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	84		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638427-2								
1,2,4-Trichlorobenzene	51		-		39-98	-		30
Phenol	23		-		12-110	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35				21-120
Phenol-d6	23				10-120
Nitrobenzene-d5	72				23-120
2-Fluorobiphenyl	78				43-120
2,4,6-Tribromophenol	81				10-120
4-Terphenyl-d14	93				33-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638427-3 QC Sample: L1318577-01 Client ID: MW3_091913												
1,2,4-Trichlorobenzene	ND	40	22	55		-	-		39-98	-		30
Phenol	ND	40	8.7	22		-	-		12-110	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	79				10-120
2-Fluorobiphenyl	80				43-120
2-Fluorophenol	33				21-120
4-Terphenyl-d14	89				33-120
Nitrobenzene-d5	69				23-120
Phenol-d6	21				10-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638427-4 QC Sample: L1318577-02 Client ID: GB12OW_091913						
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC		30
Naphthalene	ND	ND	ug/l	NC		30
Phenol	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		31		21-120
Phenol-d6	21		18		10-120
Nitrobenzene-d5	79		68		23-120
2-Fluorobiphenyl	74		63		43-120
2,4,6-Tribromophenol	84		74		10-120
4-Terphenyl-d14	90		85		33-120

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	09/24/13 07:14
Analytical Date:	09/25/13 07:43	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/24/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	09/24/13 07:14
Analytical Date:	09/25/13 07:56	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/24/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318577

Report Date: 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 09/25/13 08:36
Analyst: KB

Extraction Method: EPA 608
Extraction Date: 09/24/13 07:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG638429-1						
Aroclor 1016	ND		ug/l	0.050	0.021	A
Aroclor 1221	ND		ug/l	0.050	0.028	A
Aroclor 1232	ND		ug/l	0.050	0.012	A
Aroclor 1242	ND		ug/l	0.050	0.014	A
Aroclor 1248	ND		ug/l	0.050	0.014	A
Aroclor 1254	ND		ug/l	0.050	0.022	A
Aroclor 1260	ND		ug/l	0.050	0.023	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**27**	Q	30-150	A
Decachlorobiphenyl	73		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638429-3 QC Sample: L1318577-01 Client ID: MW3_091913													
Aroclor 1016	ND	0.5	0.369	74		-	-		40-126	-		30	A
Aroclor 1260	ND	0.5	0.266	53		-	-		40-127	-		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47				30-150	A
Decachlorobiphenyl	76				30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG638429-2									
Aroclor 1016	53		-		40-126	-		30	A
Aroclor 1260	69		-		40-127	-		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**26**	Q			30-150	A
Decachlorobiphenyl	80				30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638429-4 QC Sample: L1318577-02 Client ID: GB12OW_091913							
Aroclor 1016	ND	ND	ug/l	NC		30	A
Aroclor 1221	ND	ND	ug/l	NC		30	A
Aroclor 1232	ND	ND	ug/l	NC		30	A
Aroclor 1242	ND	ND	ug/l	NC		30	A
Aroclor 1248	ND	ND	ug/l	NC		30	A
Aroclor 1254	ND	ND	ug/l	NC		30	A
Aroclor 1260	ND	ND	ug/l	NC		30	A

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		39		30-150	A
Decachlorobiphenyl	78		80		30-150	A

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Copper, Total	0.007	J	mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Lead, Total	0.014		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:10	EPA 245.1	3,245.1	DR
Nickel, Total	0.005	J	mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Zinc, Total	0.016	J	mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Copper, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Lead, Total	0.015		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:12	EPA 245.1	3,245.1	DR
Nickel, Total	ND		mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Zinc, Total	0.010	J	mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638224-1										
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Copper, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Lead, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Nickel, Total	ND		mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Zinc, Total	ND		mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638818-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 12:49	3,245.1	DR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638224-2								
Cadmium, Total	105		-		85-115	-		
Copper, Total	102		-		85-115	-		
Lead, Total	106		-		85-115	-		
Nickel, Total	101		-		85-115	-		
Zinc, Total	100		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638818-2								
Mercury, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638224-4 QC Sample: L1318577-01 Client ID: MW3_091913												
Cadmium, Total	ND	0.051	0.052	101		-	-		75-125	-		20
Copper, Total	0.007J	0.25	0.276	110		-	-		75-125	-		20
Lead, Total	0.014	0.51	0.550	105		-	-		75-125	-		20
Nickel, Total	0.005J	0.5	0.495	99		-	-		75-125	-		20
Zinc, Total	0.016J	0.5	0.492	98		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-4 QC Sample: L1317820-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0053	106		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638224-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Cadmium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.007J	0.007J	mg/l	NC		20
Lead, Total	0.014	0.013	mg/l	8		20
Nickel, Total	0.005J	0.006J	mg/l	NC		20
Zinc, Total	0.016J	0.017J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-3 QC Sample: L1317820-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID: L1318577-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:00
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	1500		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
Solids, Total Suspended	54.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Chloride	81.		mg/l	1.0	0.21	1	-	09/20/13 15:24	30,4500CL-E	LA
pH (H)	7.0		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.036	J	mg/l	0.10	0.015	1	-	09/25/13 02:53	44,353.2	DB
Total Nitrogen	13.		mg/l	0.30	0.30	1	-	09/26/13 11:33	41,-	JO
Nitrogen, Total Kjeldahl	12.8		mg/l	0.300	0.102	1	09/23/13 12:42	09/23/13 23:24	30,4500N-C	AT
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
Flash Point	>150		deg F	70	NA	1	-	09/25/13 11:40	1,1010	DM
Chromium, Hexavalent	0.001	J	mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:31	30,3500CR-D	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID: L1318577-02
Client ID: GB12OW_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 13:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	2700		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
Solids, Total Suspended	75.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Chloride	920		mg/l	10	2.1	10	-	09/20/13 17:12	30,4500CL-E	LA
pH (H)	6.6		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.13		mg/l	0.10	0.015	1	-	09/25/13 02:53	44,353.2	DB
Total Nitrogen	5.6		mg/l	0.30	0.30	1	-	09/26/13 11:33	41,-	JO
Nitrogen, Total Kjeldahl	5.49		mg/l	0.300	0.102	1	09/23/13 12:42	09/23/13 23:25	30,4500N-C	AT
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
Flash Point	>150		deg F	70	NA	1	-	09/25/13 11:40	1,1010	DM
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:31	30,3500CR-D	JT

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637643-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:27	30,3500CR-D	JT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637666-1										
Solids, Total	ND		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637791-1										
Chloride	ND		mg/l	1.0	0.21	1	-	09/20/13 15:16	30,4500CL-E	LA
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637840-1										
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638152-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638227-1										
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.034	1	09/23/13 12:42	09/23/13 23:08	30,4500N-C	AT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638545-1										
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638768-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.015	1	-	09/25/13 01:48	44,353.2	DB

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637643-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637649-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637666-2								
Solids, Total	100		-		81-113	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637791-2								
Chloride	97		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637840-2								
CBOD, 5 day	94		-		47-104	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638227-2								
Nitrogen, Total Kjeldahl	94		-		78-122	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638545-2								
Non-Polar Material by EPA 1664	80		-		64-132	-		34

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638768-2					
Nitrogen, Nitrate/Nitrite	96	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG639005-1					
Flash Point	102	-		-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637643-4 QC Sample: L1318577-01 Client ID: MW3_091913												
Chromium, Hexavalent	0.001J	0.1	0.100	100		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637791-4 QC Sample: L1318543-01 Client ID: MS Sample												
Chloride	86.	20	100	70		-	-		58-140	-		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637840-4 QC Sample: L1318577-02 Client ID: GB12OW_091913												
CBOD, 5 day	ND	100	100	106		-	-		36-125	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638227-4 QC Sample: L1318561-04 Client ID: MS Sample												
Nitrogen, Total Kjeldahl	0.311	8	7.58	91		-	-		77-111	-		24
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638545-4 QC Sample: L1318577-02 Client ID: GB12OW_091913												
Non-Polar Material by EPA 1664	ND	20.4	18.0	88		-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638768-4 QC Sample: L1318823-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	0.051J	4	3.9	98		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637643-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Chromium, Hexavalent	0.001J	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637649-2 QC Sample: L1318551-01 Client ID: DUP Sample						
pH	9.4	9.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637666-3 QC Sample: L1318509-01 Client ID: DUP Sample						
Solids, Total	3700	2700	mg/l	**31**	Q	16
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637791-3 QC Sample: L1318543-01 Client ID: DUP Sample						
Chloride	86.	85.	mg/l	1		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637840-3 QC Sample: L1318577-01 Client ID: MW3_091913						
CBOD, 5 day	ND	20.	mg/l	NC		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638152-2 QC Sample: L1318617-01 Client ID: DUP Sample						
Solids, Total Suspended	1700	1500	mg/l	13		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638227-3 QC Sample: L1318561-04 Client ID: DUP Sample						
Nitrogen, Total Kjeldahl	0.311	0.300	mg/l	4		24
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638545-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Non-Polar Material by EPA 1664	ND	ND	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638768-3 QC Sample: L1318823-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	0.051J	0.051J	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318577-01A	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01B	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01C	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01D	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	625-NYDEP(7)
L1318577-01E	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	625-NYDEP(7)
L1318577-01F	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01G	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01H	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01I	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01J	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-01K	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-01L	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSS-2540(7)
L1318577-01M	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSC-2540(7),CL-4500(28)
L1318577-01N	Plastic 1000ml unpreserved	A	7	2	Y	Absent	HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1318577-01O	Amber 1000ml unpreserved	A	7	2	Y	Absent	FLASH()
L1318577-01P	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L1318577-01Q	Plastic 500ml HNO3 preserved	A	<2	2	Y	Absent	NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)
L1318577-02A	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02B	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02C	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02D	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	625-NYDEP(7)
L1318577-02E	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	625-NYDEP(7)
L1318577-02F	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02G	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318577-02H	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02I	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02J	Amber 1000ml HCl preserved	B	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-02K	Amber 1000ml HCl preserved	B	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-02L	Plastic 1000ml unpreserved	B	7	2	Y	Absent	TSS-2540(7)
L1318577-02M	Plastic 1000ml unpreserved	B	7	2	Y	Absent	TSC-2540(7),CL-4500(28)
L1318577-02N	Plastic 1000ml unpreserved	B	7	2	Y	Absent	HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1318577-02O	Amber 1000ml unpreserved	B	7	2	Y	Absent	FLASH()
L1318577-02P	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L1318577-02Q	Plastic 500ml HNO3 preserved	B	<2	2	Y	Absent	NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)

Container Comments

L1318577-01Q

L1318577-02Q

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318577
Project Number: 170229002 **Report Date:** 09/30/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

41 Alpha Analytical Labs Internally-developed Performance-based Method.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/19/13

ALPHA Job #: L1318577

Client Information

Client: LANGAN D.P.C
Address: 360 W31St 8th Fl New York, NY 10001
Phone: 212 479 5476
Fax:
Email: GWYKA@LANGAN

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYBORODETSKY
ALPHA Quote #: 2013963

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 9/26/13 Time:

Report Information Data Deliverables

☐ FAX ☑ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYC Sanitary and Combined Sewer Discharge	NYC-SEWER

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes	☒ No	Are MCP Analytical Methods Required?
☐ Yes	☒ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please see attached list.
PCB reporting limit must be 65ppt. See attached list.

PROVIDE NYSDEC EDD

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 624 (See Attached List)	Total Metals (See Attached List)	Chloride, CBOD, Total Solids	Total Suspended Solids	pH, HexChrom	Non Polar Material - 1664	TKN, NO3/NO2	ABN 625 (See Attached List)	PCB 608 - Must acheve 65ppt RL	Flash Point			Sample Specific Comments	TOTAL # BOTTLES
18577-01	MW3-091913	9/19/13	1100	Water	SH	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐		16
02	GB120W-091913	9/19/13	1315	WATER	SH	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐		16
				GW 9/19/13		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	P	P	P	P	A	P	A	A	A	-	-
Preservative	H	C	A	A	A	B	D	H	H	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/19/13 1625	[illegible]	9/19/13 16[illegible]
[illegible]	9/19/13 1820	Tom Fisher	9/19/13 1821
Tom Fisher	9/19/13 2350	William McCreedy	9/19/13 2350

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 30-JUL-07)

TABLE A

LIMITATIONS FOR EFFLUENT TO ***SANITARY OR COMBINED*** SEWERS

Parameter[1]	Daily Limit	Units	Sample Type	Monthly Limit
Non-polar material[2]	50	mg/l	Instantaneous	---
pH	5-11	SU's	Instantaneous	---
Temperature	< 150	Degree F	Instantaneous	---
Flash Point	> 140	Degree F	Instantaneous	---
Cadmium	2 0.69	mg/l mg/l	Instantaneous Composite	--- ---
Chromium (VI)	5	mg/l	Instantaneous	---
Copper	5	mg/l	Instantaneous	---
Lead	2	mg/l	Instantaneous	---
Mercury	0.05	mg/l	Instantaneous	---
Nickel	3	mg/l	Instantaneous	---
Zinc	5	mg/l	Instantaneous	---
Benzene	134	ppb	Instantaneous	57
Carbontetrachloride	---	---	Composite	---
Chloroform	---	---	Composite	---
1,4 Dichlorobenzene	---	---	Composite	---
Ethylbenzene	380	ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50	ppb	Instantaneous	---
Naphthalene	47	ppb	Composite	19
Phenol	---	---	Composite	---
Tetrachloroethylene (Perc)	20	ppb	Instantaneous	---
Toluene	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---	---	Composite	---
1,1,1 Trichloroethane	---	---	Composite	---
Xylenes (Total)	74	ppb	Instantaneous	28
PCB's (Total)[3]	1	ppb	Composite	---
Total Suspended Solids (TSS)	350[4]	mg/l	Instantaneous	---
CBOD[5]	---	---	Composite	---
Chloride[5]	---	---	Instantaneous	---
Total Nitrogen[5]	---	---	Composite	---
Total Solids[5]	---	---	Instantaneous	---
Other				

1 All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the least of the Practical Quantitation Limits identified in NYSDEC's Analytical Detectability and Quantitation Guidelines for Selected Environmental Parameters, December 1988

2 Analysis for ***non-polar materials*** must be done by EPA method 1664 Rev. A. Non-Polar Material shall mean that portion of the oil and grease that is not eliminated from a solution containing N-Hexane, or any other extraction solvent the EPA shall prescribe, by silica gel absorption.

3 Analysis for PCB=s is required if ***both*** conditions listed below are met:
1) if proposed discharge ≥ 10,000 gpd;
2) if duration of a discharge > 10 days.
Analysis for PCB=s must be done by EPA method 608 with MDL=<65 ppt. PCB's (total) is the sum of PCB-1242 (Arochlor 1242), PCB-1254 (Arochlor 1254), PCB-1221 (Arochlor 1221), PCB-1232 (Arochlor 1232), PCB-1248 (Arochlor 1248), PCB-1260 (Arochlor 1260) and PCB-1016 (Arochlor 1016).

4 For discharge ≥ 10,000 gpd, the TSS limit is 350 mg/l. For discharge < 10,000gpd, the limit is determined on a case by case basis.

5 Analysis for Carbonaceous Biochemical Oxygen Demand (CBOD), Chloride, Total Solids and Total Nitrogen are required if proposed discharge ≥ 10,000 gpd. Total Nitrogen = Total Kjeldahl Nitrogen (TKN) + Nitrite (NO_2) + Nitrate (NO_3).

ANALYTICAL REPORT

Lab Number:	L1318578
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/26/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318578-01	MW3_091913	BROOKLYN, NY	09/19/13 11:15
L1318578-02	GB12OW_091913	BROOKLYN, NY	09/19/13 13:10

Project Name: GREENPOINT LANDING **Lab Number:** L1318578
Project Number: 170229002 **Report Date:** 09/26/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG638289-1 LCS recoveries for 2-chloroethylvinyl ether (128%), 1,2-dichloroethane (112%), and trans-1,3-dichloropropene (107%), associated with L1318578-01 and -02, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/26/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-01	Date Collected:	09/19/13 11:15
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/20/13 20:36		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	2.5	J	ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	2.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-01	Date Collected:	09/19/13 11:15
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	2.0	0.66	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	108		80-120
4-Bromofluorobenzene	93		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/20/13 21:11		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	ND		ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	2.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	2.0	0.66	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	106		80-120
4-Bromofluorobenzene	92		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	3.2	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	2.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	2.0	0.66
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	92		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Methylene chloride	110		-		70-111	-		30
1,1-Dichloroethane	107		-		78-116	-		30
Chloroform	107		-		86-111	-		30
Carbon tetrachloride	103		-		60-112	-		30
1,2-Dichloropropane	108		-		83-113	-		30
Dibromochloromethane	106		-		58-129	-		30
1,1,2-Trichloroethane	112		-		80-118	-		30
2-Chloroethylvinyl ether	**128**	Q	-		69-124	-		30
Tetrachloroethene	103		-		80-126	-		30
Chlorobenzene	94		-		80-126	-		30
Trichlorofluoromethane	101		-		83-128	-		30
1,2-Dichloroethane	**112**	Q	-		82-110	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Bromodichloromethane	104		-		71-120	-		30
trans-1,3-Dichloropropene	**107**	Q	-		73-106	-		30
cis-1,3-Dichloropropene	104		-		78-111	-		30
Bromoform	98		-		45-131	-		30
1,1,2,2-Tetrachloroethane	110		-		81-122	-		30
Benzene	108		-		84-116	-		30
Toluene	106		-		83-121	-		30
Ethylbenzene	96		-		84-123	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Chloromethane	101		-		70-144	-		30
Bromomethane	86		-		63-141	-		30
Vinyl chloride	95		-		56-118	-		30
Chloroethane	98		-		74-130	-		30
1,1-Dichloroethene	101		-		77-116	-		30
trans-1,2-Dichloroethene	105		-		81-121	-		30
cis-1,2-Dichloroethene[1]	107		-		85-110	-		30
Trichloroethene	106		-		84-118	-		30
1,2-Dichlorobenzene	100		-		78-128	-		30
1,3-Dichlorobenzene	97		-		77-125	-		30
1,4-Dichlorobenzene	99		-		77-125	-		30
p/m-Xylene[1]	99		-		81-121	-		30
o-Xylene[1]	98		-		81-124	-		30
Xylene (Total)[1]	98		-		81-122	-		30
Styrene[1]	100		-		84-133	-		30
Acetone[1]	138		-		40-160	-		30
Carbon disulfide[1]	99		-		54-134	-		30
2-Butanone[1]	**141**	Q	-		57-116	-		30
Vinyl acetate[1]	125		-		40-160	-		30
4-Methyl-2-pentanone[1]	**139**	Q	-		79-125	-		30
2-Hexanone[1]	**143**	Q	-		78-120	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Acrolein[1]	124		-		40-160	-		30
Acrylonitrile[1]	**130**	Q	-		66-123	-		30
Methyl tert butyl ether[1]	117		-		57-126	-		30
Dibromomethane[1]	107		-		65-126	-		30
1,4-Dioxane[1]	**153**	Q	-		74-121	-		30
tert-Butyl Alcohol[1]	**181**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	**122**	Q	-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	107				80-120
Fluorobenzene	104				80-120
4-Bromofluorobenzene	91				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Methylene chloride	ND	200	230	**117**	Q	-	-		70-111	-		30
1,1-Dichloroethane	ND	200	230	116		-	-		78-116	-		30
Chloroform	ND	200	230	**117**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	240	**121**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	230	**114**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	220	109		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	230	115		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	260	**130**	Q	-	-		69-124	-		30
Tetrachloroethene	ND	200	230	114		-	-		80-126	-		30
Chlorobenzene	ND	200	210	106		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	230	115		-	-		83-128	-		30
1,2-Dichloroethane	ND	200	230	**116**	Q	-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	240	**118**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	220	112		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	180	92		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	160	82		-	-		78-111	-		30
Bromoform	ND	200	200	100		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	220	109		-	-		81-122	-		30
Benzene	ND	200	230	**117**	Q	-	-		84-116	-		30
Toluene	ND	200	230	116		-	-		83-121	-		30
Ethylbenzene	ND	200	220	112		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Chloromethane	ND	200	190	94		-	-		70-144	-		30
Bromomethane	ND	200	94	**47**	Q	-	-		63-141	-		30
Vinyl chloride	ND	200	220	111		-	-		56-118	-		30
Chloroethane	ND	200	230	114		-	-		74-130	-		30
1,1-Dichloroethene	ND	200	230	**117**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	230	116		-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	220	**111**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	230	117		-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	210	105		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	210	104		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	210	106		-	-		77-125	-		30
p/m-Xylene[1]	ND	400	430	108		-	-		81-121	-		30
o-Xylene[1]	ND	200	210	106		-	-		81-124	-		30
Xylene (Total)[1]	ND	600	640	107		-	-		81-122	-		30
Styrene[1]	ND	200	210	107		-	-		84-133	-		30
Acetone[1]	ND	500	600	120		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	200	103		-	-		54-134	-		30
2-Butanone[1]	ND	500	600	**120**	Q	-	-		57-116	-		30
Vinyl acetate[1]	ND	400	400	101		-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	610	122		-	-		79-125	-		30
2-Hexanone[1]	ND	500	590	118		-	-		78-120	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Acrolein[1]	ND	400	410	103		-	-		40-160	-		30
Acrylonitrile[1]	ND	400	470	117		-	-		66-123	-		30
Dibromomethane[1]	ND	200	210	106		-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	96				80-120
Fluorobenzene	106				80-120
Pentafluorobenzene	106				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	ND	ND	ug/l	NC	30
o-Xylene[1]	ND	ND	ug/l	NC	30
Xylene (Total)[1]	ND	ND	ug/l	NC	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	ND	ND	ug/l	NC	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		105		80-120
Fluorobenzene	106		105		80-120
4-Bromofluorobenzene	95		97		80-120

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318578
Project Number: 170229002
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Chromium, Total	0.0033	J	mg/l	0.0100	0.0020	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Copper, Total	0.005	J	mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Lead, Total	0.016		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:14	EPA 245.1	3,245.1	DR
Nickel, Total	0.006	J	mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Zinc, Total	0.024	J	mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	0.012	J	mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Cadmium, Total	0.001	J	mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Chromium, Total	ND		mg/l	0.01	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Copper, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Lead, Total	0.018		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:16	EPA 245.1	3,245.1	DR
Nickel, Total	ND		mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Zinc, Total	0.012	J	mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638693-1										
Antimony, Total	ND		mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Chromium, Total	ND		mg/l	0.01	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Copper, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Lead, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Nickel, Total	ND		mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Zinc, Total	ND		mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638818-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 12:49	3,245.1	DR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638693-2								
Antimony, Total	100		-		85-115	-		
Arsenic, Total	110		-		85-115	-		
Beryllium, Total	103		-		85-115	-		
Cadmium, Total	107		-		85-115	-		
Chromium, Total	100		-		85-115	-		
Copper, Total	105		-		85-115	-		
Lead, Total	108		-		85-115	-		
Nickel, Total	102		-		85-115	-		
Selenium, Total	112		-		85-115	-		
Silver, Total	106		-		85-115	-		
Thallium, Total	108		-		85-115	-		
Zinc, Total	102		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638818-2								
Mercury, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638693-4 QC Sample: L1318578-02 Client ID: GB12OW_091913												
Antimony, Total	0.012J	0.5	0.552	110		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.134	112		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.049	99		-	-		75-125	-		20
Cadmium, Total	0.001J	0.051	0.051	100		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.19	95		-	-		75-125	-		20
Copper, Total	ND	0.25	0.263	105		-	-		75-125	-		20
Lead, Total	0.018	0.51	0.501	95		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.457	91		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.138	115		-	-		75-125	-		20
Silver, Total	ND	0.05	0.054	109		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.106	88		-	-		75-125	-		20
Zinc, Total	0.012J	0.5	0.481	96		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-4 QC Sample: L1317820-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0053	106		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638693-3 QC Sample: L1318578-02 Client ID: GB12OW_091913						
Antimony, Total	0.012J	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.001J	0.001J	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	0.018	0.018	mg/l	2		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.012J	0.012J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-3 QC Sample: L1317820-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	100		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Solids, Total Settleable	<0.1		ml/l	.1	NA	1	-	09/20/13 01:05	30,2540F	DE
pH (H)	7.2		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.040	J	mg/l	0.10	0.015	1	-	09/21/13 02:44	30,4500NO3-F	DB
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-02
Client ID: GB12OW_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 13:10
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	69.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Solids, Total Settleable	<0.1		ml/l	.1	NA	1	-	09/20/13 01:05	30,2540F	DE
pH (H)	6.6		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.022	J	mg/l	0.10	0.015	1	-	09/21/13 02:44	30,4500NO3-F	DB
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637923-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.015	1	-	09/21/13 02:07	30,4500NO3-F	DB
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638152-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638175-1										
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637649-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637923-2								
Nitrogen, Nitrate/Nitrite	96		-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638175-2								
Oil & Grease, Hem-Grav	98		-		78-114	-		18

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637923-4 QC Sample: L1318641-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	2.0	4	5.9	97		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638175-4 QC Sample: L1318493-01 Client ID: MS Sample												
Oil & Grease, Hem-Grav	ND	41.2	38	93		-	-		78-114	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637649-2 QC Sample: L1318551-01 Client ID: DUP Sample						
pH	9.4	9.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637923-3 QC Sample: L1318641-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	2.0	2.0	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638152-2 QC Sample: L1318617-01 Client ID: DUP Sample						
Solids, Total Suspended	1700	1500	mg/l	13		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638175-3 QC Sample: L1318509-02 Client ID: DUP Sample						
Oil & Grease, Hem-Grav	ND	ND	mg/l	NC		18

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318578-01A	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01B	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01C	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01D	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSETS-2540(2)
L1318578-01E	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSS-2540(7)
L1318578-01F	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-01G	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-01H	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	NO3/NO2-4500(28)
L1318578-01I	Plastic 500ml HNO3 preserved	C	<2	2	Y	Absent	NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L1318578-01J	Plastic 250ml unpreserved	C	7	2	Y	Absent	PH-4500(.01)
L1318578-02A	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02B	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02C	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02D	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSETS-2540(2)
L1318578-02E	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSS-2540(7)
L1318578-02F	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-02G	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-02H	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	NO3/NO2-4500(28)
L1318578-02I	Plastic 500ml HNO3 preserved	C	<2	2	Y	Absent	NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L1318578-02J	Plastic 250ml unpreserved	C	7	2	Y	Absent	PH-4500(.01)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/19/13

ALPHA Job #: L1318578

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN D.P.C.
Address: 360 W 31ST ST 8TH Fl
NEW YORK, NY 10001
Phone: 212 479 5476
Fax:
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYGORODETSKY
ALPHA Quote #: 2013913

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/27/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE CATEGORY A DELIVERABLES
2) PROVIDE NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	pH	Oil and Grease	Total Suspended Solids	Settleable Solids	VOCs EPA 624	Nitrite/Nitrate	13 PP Metals	Sample Specific Comments	Total # Bottles
18578-01	MW3-091913	9/19/13	1115	GW	SH	X	X	X	X	X	X	X		10
02	GB120W-091913	9/19/13	1310	GW	SH	X	X	X	X	X	X	X		10

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	P	A	P	P	V	P	P
Preservative	A	B	A	A	H	D	C

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/19/13 1625	[illegible]	9/19/13 1625
[illegible]	9/19/13 1820	Tom Fisher	9/19/13 1820
Tom Fisher	9/19/13 2300	William Mellend	9/19/13 2350

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ATTACHMENT F

ANALYTICAL LABORATORY CERTIFICATION

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No. 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Bacteriology	
Coliform, Total / E. coli (Qualitative)	SM 18-21 9222B(97)/40CFR141.21(F)6i
	SM 18-21 9223B (97) (Colilert)
Standard Plate Count	SM 18-21 9215B
Drinking Water Metals I	
Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Drinking Water Metals II	
Aluminum, Total	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.8 Rev. 5.4

Drinking Water Metals II	
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Drinking Water Metals III	
Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4
Drinking Water Miscellaneous	
Organic Carbon, Total	SM 18-21 5310C (00)
Perchlorate	EPA 332.0 Rev. 1
Drinking Water Non-Metals	
Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide	SM 18-21 4500-CN E (99)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO3 F (00)
Solids, Total Dissolved	SM 18-21 2540C (97)
Specific Conductance	SM 18-21 2510B (97)

Serial No.: 48541

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

COPY

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WADSWORTH CENTER

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Issued April 01, 2013

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ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Non-Metals	
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Drinking Water Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2
Fuel Additives	
Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2
Microextractibles	
1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1
Volatile Aromatics	
1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2

Volatile Aromatics	
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2

Serial No.: 48541

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No. 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below.

Volatile Halocarbons

2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

Serial No.: 48541

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 624
	EPA 8260C
Acrylonitrile	EPA 624
	EPA 8260C
Ethyl methacrylate	EPA 8260C
Amines	
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 625
	EPA 8270D
Pyridine	EPA 625
	EPA 8270D
Bacteriology	
Coliform, Fecal	SM 18-21 9221E (99)
	SM 18-21 9222D (97)
Coliform, Total	SM 18-21 9221B (99)
	SM 18-21 9222B (97)
Standard Plate Count	SM 18-21 9215B
Benzidines	
3,3'-Dichlorobenzidine	EPA 625
	EPA 8270D

Benzidines	
Benzidine	EPA 625
	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 608
	EPA 8081B
4,4'-DDE	EPA 608
	EPA 8081B
4,4'-DDT	EPA 608
	EPA 8081B
Aldrin	EPA 608
	EPA 8081B
alpha-BHC	EPA 608
	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 608
	EPA 8081B
Chlordane Total	EPA 608
	EPA 8081B
delta-BHC	EPA 608
	EPA 8081B
Dieldrin	EPA 608
	EPA 8081B
Endosulfan I	EPA 608
	EPA 8081B
Endosulfan II	EPA 608

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Chlorinated Hydrocarbon Pesticides	
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 608
	EPA 8081B
Endrin	EPA 608
	EPA 8081B
Endrin aldehyde	EPA 608
	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 608
	EPA 8081B
Heptachlor epoxide	EPA 608
	EPA 8081B
Lindane	EPA 608
	EPA 8081B
Methoxychlor	EPA 608
	EPA 8081B
Toxaphene	EPA 608
	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D
2-Chloronaphthalene	EPA 625

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dinoseb	EPA 8151A
Demand	
Biochemical Oxygen Demand	SM 18-21 5210B (01)
Carbonaceous BOD	SM 18-21 5210B (01)
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
	SM 18-21 5220D (97)
Fuel Oxygenates	
Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8260C
Methyl tert-butyl ether	EPA 8260C

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Fuel Oxygenates	
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260C
Haloethers	
4-Bromophenylphenyl ether	EPA 625
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 625
	EPA 8270D
Low Level Polynuclear Aromatics	
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatics	
Naphthalene Low Level	EPA 8270D SIM
Mineral	
Acidity	SM 18-21 2310B,4a (97)
Alkalinity	SM 18-21 2320B (97)
Chloride	EPA 300.0 Rev. 2.1
	SM 18-21 4500-Cl- E (97)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Hardness, Total	EPA 200.7 Rev. 4.4
	SM 18-21 2340B (97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
	SM 15 426 C
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8270D
	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2,6-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330

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Nitroaromatics and Isophorone	
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 625
	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 625
	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
Nitrosoamines	
N-Nitrosodimethylamine	EPA 625
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270D
Nutrient	
Ammonia (as N)	EPA 350.1 Rev. 2.0
	SM 18 4500-NH3 H
Kjeldahl Nitrogen, Total	EPA 351.1 Rev. 1978
	LACHAT 10-107-06-2
Nitrate (as N)	EPA 300.0 Rev. 2.1
	EPA 353.2 Rev. 2.0

Nutrient	
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO2 B (00)
Orthophosphate (as P)	SM 18-21 4500-P E
Phosphorus, Total	SM 18-21 4500-P E
Organophosphate Pesticides	
Atrazine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 625
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Di-n-octyl phthalate	EPA 625
	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 608

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Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 608 EPA 8082A
PCB-1232	EPA 608 EPA 8082A
PCB-1242	EPA 608 EPA 8082A
PCB-1248	EPA 608 EPA 8082A
PCB-1254	EPA 608 EPA 8082A
PCB-1260	EPA 608 EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatics	
Acenaphthene	EPA 625 EPA 8270D
Acenaphthylene	EPA 625 EPA 8270D
Anthracene	EPA 625 EPA 8270D
Benzo(a)anthracene	EPA 625 EPA 8270D
Benzo(a)pyrene	EPA 625

Polynuclear Aromatics	
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 625 EPA 8270D
Benzo(ghi)perylene	EPA 625 EPA 8270D
Benzo(k)fluoranthene	EPA 625 EPA 8270D
Chrysene	EPA 625 EPA 8270D
Dibenzo(a,h)anthracene	EPA 625 EPA 8270D
Fluoranthene	EPA 625 EPA 8270D
Fluorene	EPA 625 EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625 EPA 8270D
Naphthalene	EPA 625 EPA 8270D
Phenanthrene	EPA 625 EPA 8270D
Pyrene	EPA 625 EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D

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Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 625
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270D
2-Chlorophenol	EPA 625
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270D
2-Methylphenol	EPA 625
	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625
	EPA 8270D
Pentachlorophenol	EPA 625
	EPA 8270D

Priority Pollutant Phenols	
Phenol	EPA 625
	EPA 8270D
Residue	
Solids, Total	SM 18-21 2540B (97)
Solids, Total Dissolved	SM 18-21 2540C (97)
Solids, Total Suspended	SM 18-21 2540D (97)
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 624
	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C

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Volatile Aromatics	
1,3-Dichlorobenzene	EPA 624
	EPA 8260C
1,4-Dichlorobenzene	EPA 624
	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 624
	EPA 8260C
Chlorobenzene	EPA 624
	EPA 8260C
Ethylbenzene	EPA 624
	EPA 8260C
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 624
	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 624
	EPA 8260C
Total Xylenes	EPA 624
	EPA 8260C

Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 624
	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 624
	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethene	EPA 624
	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8011
	EPA 8260C
1,2-Dibromoethane	EPA 8011
	EPA 8260C
1,2-Dichloroethane	EPA 624
	EPA 8260C
1,2-Dichloropropane	EPA 624
	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 624
	EPA 8260C

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Volatile Halocarbons

Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 624
	EPA 8260C
Bromoform	EPA 624
	EPA 8260C
Bromomethane	EPA 624
	EPA 8260C
Carbon tetrachloride	EPA 624
	EPA 8260C
Chloroethane	EPA 624
	EPA 8260C
Chloroform	EPA 624
	EPA 8260C
Chloromethane	EPA 624
	EPA 8260C
cis-1,2-Dichloroethene	EPA 624
	EPA 8260C
cis-1,3-Dichloropropene	EPA 624
	EPA 8260C
Dibromochloromethane	EPA 624
	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 624
	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 624

Volatile Halocarbons

Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 624
	EPA 8260C
trans-1,2-Dichloroethene	EPA 624
	EPA 8260C
trans-1,3-Dichloropropene	EPA 624
	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 624
	EPA 8260C
Trichlorofluoromethane	EPA 624
	EPA 8260C
Vinyl chloride	EPA 624
	EPA 8260C

Volatiles Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C

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Volatiles Organics

Vinyl acetate	EPA 8260C

Wastewater Metals I

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Calcium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Iron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Lead, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Wastewater Metals I

Lead, Total	EPA 6010C
	EPA 6020A
Magnesium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C

Wastewater Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A

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Wastewater Metals II	
Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
	SM 18-19 3500-Cr D
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Wastewater Metals II	
Zinc, Total	EPA 6010C
	EPA 6020A
Wastewater Metals III	
Cobalt, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Tin, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Titanium, Total	EPA 200.7 Rev. 4.4
Wastewater Miscellaneous	
Boron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Bromide	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide, Total	SM 18-21 4500-CN E (99)
Formaldehyde	EPA 8315A

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Wastewater Miscellaneous

Oil and Grease Total Recoverable (HEM	EPA 1664A
Organic Carbon, Total	SM 18-21 5310C (00)
Phenols	EPA 420.1 Rev. 1978
	SM 14 510C
Silica, Dissolved	EPA 200.7 Rev. 4.4
Specific Conductance	EPA 120.1 Rev. 1982
	SM 18-21 2510B (97)
Sulfide (as S)	SM 18-21 4500-S D (00)
Surfactant (MBAS)	SM 18-21 5540C (00)
Total Petroleum Hydrocarbons	EPA 1664A

Sample Preparation Methods

EPA 3005A
EPA 3015
EPA 3510C
EPA 5030B
EPA 9010C
EPA 9030B
SM 18-20 4500-CN C
SM 18-21 4500-NH3 B (97)

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below

Acrylates	
Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Ethyl methacrylate	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
Ignitability	EPA 1010A
	EPA 1030
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B

Chlorinated Hydrocarbon Pesticides	
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D

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MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Low Level Polynuclear Aromatic Hydrocarbons	
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6010C EPA 6020A
Cadmium, Total	EPA 6010C EPA 6020A
Calcium, Total	EPA 6010C
Chromium, Total	EPA 6010C EPA 6020A
Copper, Total	EPA 6010C EPA 6020A
Iron, Total	EPA 6010C EPA 6020A
Lead, Total	EPA 6010C EPA 6020A
Magnesium, Total	EPA 6010C

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ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Metals I	
Manganese, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C
Metals II	
Aluminum, Total	EPA 6010C
	EPA 6020A
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 6010C
	EPA 6020A

Metals III	
Cobalt, Total	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 6010C
	EPA 6020A
Tin, Total	EPA 6010C
Minerals	
Chloride	EPA 9251
Sulfate (as SO4)	EPA 9038
Miscellaneous	
Boron, Total	EPA 6010C
Cyanide, Total	EPA 9012B
	EPA 9014
Formaldehyde	EPA 8315A
Phenols	EPA 9065
Specific Conductance	EPA 9050A
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 8270D
	EPA 8330
2,6-Dinitrotoluene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Phthalate Esters	
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D

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MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Polynuclear Aromatic Hydrocarbons	
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D

Semi-Volatile Organics	
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Aromatics	
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C

Volatile Halocarbons	
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C
Volatile Organics	
1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C

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WADSWORTH CENTER

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MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Organics

4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260B
	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

EPA 3005A
EPA 3050B
EPA 3540C
EPA 3546
EPA 3580A
EPA 5035A-H
EPA 5035A-L
EPA 9010C
EPA 9030B

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Issued April 01, 2013
Revised April 18, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Pyridine	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
3,3'-Dimethylbenzidine	EPA 8270D
Benzidine	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Dissolved Gases	
Ethane	RSK-175
Ethene (Ethylene)	RSK-175
Methane	RSK-175
Propane	RSK-175

Serial No.: 49076

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013
Revised April 18, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE
Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Haloethers	
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatics	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Mineral	
Alkalinity	SM 18-21 2320B (97)

Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Organophosphate Pesticides	
Atrazine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-118	EPA 8082A
PCB-128	EPA 8082A
PCB-1016	EPA 8082A

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320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No. 11627

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Polychlorinated Biphenyls	
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatics	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D

Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Residue	
Solids, Total Suspended	SM 18-21 2540D (97)
Semi-Volatile Organics	
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D

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320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No. 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category:
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Semi-Volatile Organics

Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Wastewater Metals I

Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Strontium, Total	EPA 6020A

Wastewater Metals II

Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Low Level	EPA 1631E
Mercury, Total	EPA 7470A
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A

Wastewater Metals III

Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A

Wastewater Miscellaneous

Specific Conductance	EPA 9050A
Turbidity	EPA 180.1 Rev. 2.0

Sample Preparation Methods

	EPA 3020A
	EPA 351DC

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Pentachloronitrobenzene	EPA 8270D
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Haloethers	
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Metals I	
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Metals II	
Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Total	EPA 7471B
	EPA 7474
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A
Metals III	
Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A
Miscellaneous	
Organic Carbon, Total	EPA 9060
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1	EPA 8082A
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
Polychlorinated Biphenyls	
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below

Priority Pollutant Phenols		Sample Preparation Methods
2,4-Dinitrophenol	EPA 8270D	EPA 3580A
2-Chlorophenol	EPA 8270D	
2-Methyl-4,6-dinitrophenol	EPA 8270D	
2-Methylphenol	EPA 8270D	
2-Nitrophenol	EPA 8270D	
3-Methylphenol	EPA 8270D	
4-Chloro-3-methylphenol	EPA 8270D	
4-Methylphenol	EPA 8270D	
4-Nitrophenol	EPA 8270D	
Pentachlorophenol	EPA 8270D	
Phenol	EPA 8270D	
Semi-Volatile Organics		
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D	
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D	
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D	
2-Methylnaphthalene	EPA 8270D	
Acetophenone	EPA 8270D	
Benzoic Acid	EPA 8270D	
Benzyl alcohol	EPA 8270D	
Dibenzofuran	EPA 8270D	
Sample Preparation Methods		
	EPA 3050B	
	EPA 3051A	
	EPA 3510C	
	EPA 3570	

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Acrylates	
Acetonitrile	EPA TO-15
Acrylonitrile	EPA TO-15
Methyl methacrylate	EPA TO-15
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15
Polychlorinated Biphenyls	
PCB-1016	EPA TO-10A
PCB-1221	EPA TO-10A
PCB-1232	EPA TO-10A
PCB-1242	EPA TO-10A
PCB-1248	EPA TO-10A
PCB-1254	EPA TO-10A
PCB-1260	EPA TO-10A
PCB-1262	EPA TO-10A
PCB-1268	EPA TO-10A
Polynuclear Aromatics	
Naphthalene	EPA TO-15
Purgeable Aromatics	
1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15

Purgeable Aromatics	
2-Chlorotoluene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15
m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15
Purgeable Halocarbons	
1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2-Dibromo-3-chloropropane	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Purgeable Halocarbons	
Carbon tetrachloride	EPA TO-15
Chloroethane	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15
Volatile Chlorinated Organics	
Benzyl chloride	EPA TO-15
Volatile Organics	
1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
Acetaldehyde	EPA TO-15

Volatile Organics	
Acetone	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
tert-butyl alcohol	EPA TO-15
Vinyl acetate	EPA TO-15

Serial No.: 49078

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11 November 2013

Marian Klein Feldt
Senior Vice President
Greenpoint Landing Developers, LLC
535 Madison Avenue
New York, NY 10022

Re: Waste Characterization Technical Letter Report
Greenpoint Landing – Building G2
Brooklyn, New York
Langan Project No.: 170229002

Dear Marian:

Langan Engineering, Environmental, Survey and Landscape Architecture, D.P.C (Langan) prepared this Waste Characterization Report for Building G2 (Parcel G) at the Greenpoint Landing development project in Brooklyn, New York on behalf of Greenpoint Landing Developers, LLC (GLD). This letter report documents soil and groundwater sampling activities performed within the proposed footprint of Building G2 and the analytical results for excess soil and groundwater that will be generated during construction. The report includes a description of sampling methodology, field observations, and a tabulated summary of laboratory analytical results. The purpose of the waste characterization investigation was to provide sufficient information to help evaluate construction costs related to management and disposal of excess soil and groundwater. The soil and groundwater analytical data presented herein may be used by the waste disposal contractor to obtain off-site receiving facility pre-approvals for the excess soil and groundwater generated during construction.

BACKGROUND

Site Description

Building G2 is located on Parcel G of the Greenpoint Landing development project. Parcel G is vacant and asphalt-paved and encompasses an area of about 85,999 square feet on the upland part of Block 2472 Lot 100. Parcel G is bound by Commercial Street to the south, Parcel F to

the west, Parcel H to the east, and the East River and Newtown Creek to the north. A plan of the Greenpoint Landing development project is presented as Figure 1.

The proposed at-grade building footprint of Building G2 is about 14,400 square feet. The proposed excavation footprint for Building G2 (including a stormwater detention tank) is about 17,250 square feet. Current grade within the excavation footprint ranges from about el. 9.5 to 11 BBHD[1].

Proposed Development

The proposed development includes the construction of a 6-story residential building (with no cellar) with affordable housing units. The development will require excavating of an approximately 17,250-square-foot area to a depth of about 5 feet below current grade for the construction of foundation components. In addition, we understand the development will require excavating of an approximately 2,800-square-foot area to a depth of about 10 feet below current grade for the construction of partial basement or access vault below the ground floor near the south side of the new building's foundation. We estimate about 3,500 cubic yards of subsurface material will be excavated during construction.

SAMPLING METHODOLOGY

The waste characterization of Buildings G2 was performed during the period September 12-14, 2013. Our grid system, sampling frequency, and analytical parameter list are conservative and based on the requirements analytical for soil reuse set forth by the NYC OER and typical receiving facility requirements. The design of our sampling program is not intended to meet the specific requirements of all receiving facilities and the selected waste disposal contractor may be required to perform additional soil sampling and analysis.

Parcel G2 was divided into six approximately 2,700-square-foot waste characterization grids. Waste characterization grids were composed of shallow cells representing approximately 0 to 5 feet below grade surface (bgs) and approximately 500 CY of subsurface material, and one deep cell (in the southern portion of the proposed excavation) representing approximately 5 to 10

[1] All elevations referenced herein are with respect to the Borough of Brooklyn Highway Datum (BBHD), which is 2.56 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

feet bgs and approximately 500 CY of subsurface material. The waste characterization grid system is presented on Figure 2.

Soil Investigation

Fourteen soil borings within the footprint of Building G2 were completed by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York under the supervision of Langan field engineers during the period September 12-14, 2013. Two soil borings (denoted "A" and "B") were completed within Grids 1, 2, 3 and 5; three soil borings (denoted "A", "B", and "C") were completed within Grids 4 and 6 per the direction of L&M Builders Group, LLC (L&M). Soil boring locations are presented in Figure 2.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 5 feet bgs within Grids 1 to 5, and to a depth of approximately 10 feet bgs within Grid 6. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field engineers. Boring logs for completed borings are provided as Attachment A. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each shallow and deep grid cell. Each sample set comprised one discrete sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the appropriate depth interval (i.e., shallow [0-5 feet bgs] or deep [5-10 feet bgs]) of the soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval within the appropriate depth interval (i.e., shallow or deep) between the soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were collected at random if no evidence of contamination was observed. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Seven sample sets and one duplicate sample were collected and submitted for laboratory analysis. Two field blank samples (one per sampling day) and ten trip blanks were collected and

analyzed for quality assurance/quality control (QA/QC) purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid number and cell (i.e., shallow or deep) from which a sample was collected. A summary of all samples collected and submitted for laboratory analysis is provided as Tables 1A and 1B.

All samples were containerized in laboratory-supplied glassware and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory (Alpha Analytical, Inc. of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol. Grab soil samples were analyzed for VOCs only by United States Environmental Protection Agency (USEPA) Method 8260C. Only one composite sample from Building G2 was analyzed for paint filter. Composite soil samples were analyzed for the following parameters:

- Semi-volatile organic compounds (SVOCs) (USEPA Method 8270D)
- Polychlorinated biphenyls (PCBs) (USEPA Method 8082A)
- Organochlorine pesticides (USEPA Method 8081B)
- Herbicides (USEPA Method 8151A)
- Ttarget analyte list [TAL] metals (USEPA Method 6010C/7471B)
- Hexavalent chromium (USEPA Method 7196A)_
- Cyanide (USEPA Method 9010C/9012A)
- Toxicity characteristic leaching procedure [TCLP] Resource Conservation and Recovery Act (RCRA) 8 metals (USEPA Method 1311)
- Ignitability (USEPA Method 1030)
- Corrosivity (USEPA Method 9045D)
- Cyanide Reactivity (SW846 Chapter 7.3)
- Sulfide Reactivity (SW846 Chapter 7.3)
- Total petroleum hydrocarbons gasoline-range organics (TPH-GRO) (USEPA Method 8015C)
- Total petroleum hydrocarbons diesel-range organics (TPH-DRO) (USEPA Method 8015C)
- Paint filter (USEPA Method 9095A)

Soil samples were analyzed for the above parameters to meet the analytical requirements for soil reuse set forth by the NYC OER and typical receiving facility analytical requirements. Field blanks were not analyzed for TCLP RCRA metals, ignitability, corrosivity, reactivity, and paint filter. Trip blanks were analyzed for VOCs only.

The laboratory was instructed to report all analytes inclusive of the United States Environmental Protection Agency (USEPA) Target Compound Lists (TCL) and the Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375 lists. In addition, the laboratory was instructed to report the analytical data as an Analytical Services Protocol (ASP) Category A data deliverable and as an Electronic Data Deliverable (EDD) consistent with the New York State Department of Environmental Conservation (NYSDEC) requirements.

Groundwater Investigation

One soil boring (SB-6A) within the footprint of Building G2 was converted to a groundwater monitoring well (MW-2) on September 13, 2013. However, Langan was unsuccessful in properly developing this well (yield was extremely low and the well did not recharge adequately during development presumably because the well screen was set in the very fine-grained native formation [e.g., clayey silt)] with low hydraulic conductivity.). Therefore, Langan redeveloped and sampled a groundwater monitoring well found within the footprint of Building G2. The well was renamed MW-3. The well was installed by the URS Corporation as part of the geotechnical investigation for Building G2. The installation date and construction details for the well were not available at the time of this report. The total well depth was measured at 28.5 feet. Depth to water was measured to be approximately 10.75 feet below the top of the inner casing.

Langan collected one groundwater sample from MW-3 on September 19, 2013. The groundwater sample was collected in general accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010) and USEPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells* using a stainless steel submersible pump connected to dedicated polyethylene tubing. Before the groundwater sample was collected, the well was gauged with an interface probe and then continuously purged at rate of about 250-400 mL/min until all groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) stabilized in accordance with the USEPA's low flow procedures for three consecutive readings. A multi-parameter water-quality system (YSI 6820) was used to monitor the groundwater quality parameters. The groundwater sampling log for MW-3 is provided as Attachment B. Before sampling, depth to groundwater was measured at 10.75 feet below the top of the inner well casing.

The groundwater sample was containerized in laboratory-supplied glassware and submitted to a NYSDOH ELAP-certified laboratory (Alpha) via courier service under standard chain-of-custody protocol. A summary of the laboratory analyses performed on the groundwater sample is provided as Table 1C. The groundwater sample was analyzed for the New York City Department of Environmental Protection (NYCDEP) discharge effluent parameters and the NYSDEC Region 2 State Pollutant Discharge Elimination System (SPDES) and Long Island Well Permit Application dewatering parameters. The laboratory was instructed to report all analytical data in an ASP Category A data deliverable and as an EDD consistent with the NYSDEC requirements.

FIELD OBSERVATIONS

This section summarizes the field observations recorded during the waste characterization investigation of Building G2. The stratigraphy underlying Building G2 comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to at least 5 feet bgs (end of borings) across Grids 1 to 5 and extends from ground surface to at least 10 feet bgs (end of borings) in Grid 6. The surficial historic fill material is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings except borings SB-1A, SB-1B, SB-3B, SB-5B, and SB-6C, at depths ranging from about 0 to about 4.5 feet bgs. Coal ash, fly ash, and/or cinders were identified in borings SB-1B, SB-2B, SB-3B, SB-4A, SB-4C, SB-5B, SB-6A, and SB-6C, at depths ranging from the surface to about 8 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to greater than 9,999 ppm. PID readings above 50 ppm were identified in borings SB-2A (0 to 3 feet bgs), SB-2B (0 to 5 feet bgs), SB-3A (1.5 to 5 feet bgs), and SB-5B (2.5 to 3 feet bgs). The PID readings above 50 ppm correspond to the presence of historic fill material and road base material in all four locations. No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or other gross contamination was identified in any of the completed borings. Boring logs for all completed borings are provided as Attachment A.

ANALYTICAL RESULTS

The analytical soil results were tabulated and compared to the following regulatory criteria:

- Title 6 of the New York Codes, Rules, Regulations (NYCRR) Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs);
- 6 NYCRR Part 375-6.8(b) Restricted Use Restricted-Residential SCOs;
- New Jersey Administrative Code (N.J.A.C.) 7:26D Remediation Standards, Appendix 1, Table 1A – Residential Direct Contact Soil Remediation Standards;
- N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1B – Non-Residential Direct Contact Soil Remediation Standards; and
- Title 40 Code of Federal Regulations (CFR) 261 Subpart C and Table 1 of 40 CFR 261.24 Maximum Concentrations of Contaminants for the Toxicity Characteristic.

The analytical soil results for Building G2 are presented in Tables 2A, 2B, 2C, 2D and 2E. QA/QC sample analytical results for Building G2 are presented in Table 3.

The analytical groundwater results were compared to the following regulatory criteria:

- New York City Department of Environmental Protection (NYCDEP) Limitations for Effluent to Sanitary or Combined Sewers; and
- NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class I Waters.

The analytical groundwater results for Building G2 are presented in Tables 4 and 5.

The laboratory analytical data reports for soil samples are provided as Attachment C. The laboratory analytical data reports for groundwater samples are provided as Attachment D. A copy of Alpha's ELAP certification is provided as Attachment E.

LIMITATIONS

This report was prepared expressly for Greenpoint Landing Developers, LLC and for the objectives defined herein. Langan cannot assume responsibility for the use of this Report for any property other than the specific property addressed in this report, or by any third party without specific written authorization from Langan.

The observations and results provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the

others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations. Langan is providing the waste classification data contained herein to assist the contractor in their efforts to gain approval from facilities for disposal of material. Based on the facility selected, the Contractor may be required to collect additional samples and have additional laboratory analysis completed. Langan is in no way responsible for the waste characterization grid, including marking out or maintaining or ensuring the accuracy of the grid. Handling, characterizing, marking out grids, excavating, transporting and disposing of material is solely the responsibility of the Contractor.

CLOSING

Should you have any questions regarding the findings presented in this report, please feel free to call us at 212-479-5400. We look forward to assisting you on this project.

Sincerely,

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

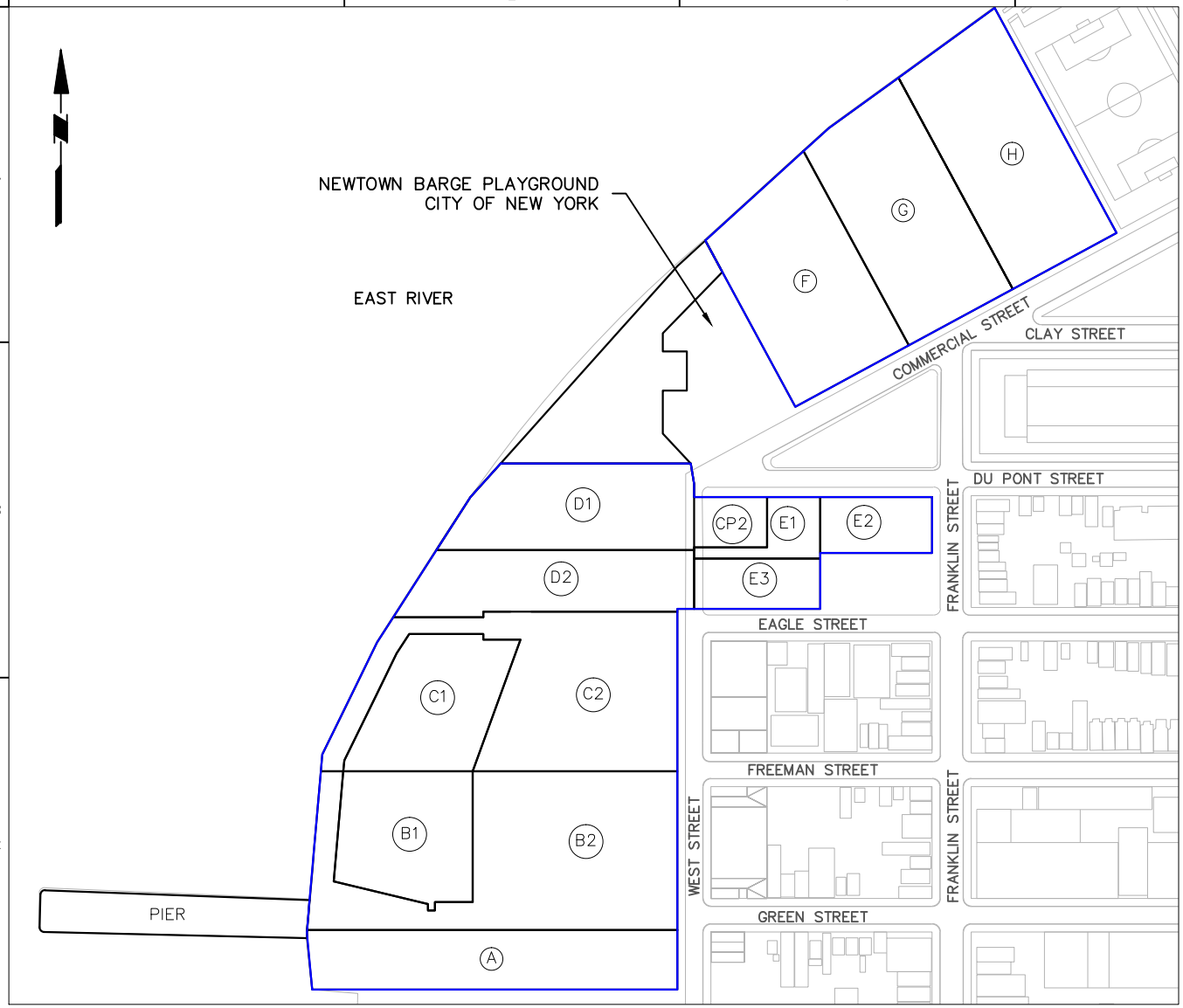
Mimi S. Raygorodetsky
Senior Project Scientist

cc: G.Wyka (Langan)
M.Chertok (SPR)

Enclosure(s): Figure 1 – Greenpoint Landing Development Project
Figure 2 – Waste Characterization Sampling Location Map
Table 1A – Soil Sample Summary
Table 1B – QA/QC Sample Summary
Table 1C – Groundwater Sample Summary
Table 2A – Grab Soil Sample Results Summary (NY)
Table 2B – Composite Soil Sample Results Summary (NY)
Table 2C – Grab Soil Sample Results Summary (NJ)
Table 2D – Composite Soil Sample Results Summary (NJ)
Table 2E – Composite Soil Sample Results Summary (Federal)
Table 3 – QA/QC Sample Results Summary
Table 4 – Groundwater Sample Detections Summary (NYCDEP)
Table 5 – Groundwater Sample Detections Summary (NYSDEC)

Attachment A – Boring Logs
Attachment B – Groundwater Sampling Logs
Attachment C – Laboratory Analytical Data Reports (Soil)
Attachment D – Laboratory Analytical Data Reports (Groundwater)
Attachment E – Analytical Laboratory Certification

FIGURES



LEGEND

- APPROXIMATE PROJECT BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- (A) PARCEL ID

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "310215-FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. NORTH ARROW SHOWS PROJECT NORTH.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC

Collectively known as Langan

Project

GREENPOINT LANDING

BROOKLYN

KINGS NEW YORK

Drawing Title

GREENPOINT LANDING DEVELOPMENT PROJECT

Project No. 170229002	Drawing No. 1
Date 11/04/2013	
Scale 1" = 300'	
Drawn By GCW	
Submission Date	Sheet 1 of 2

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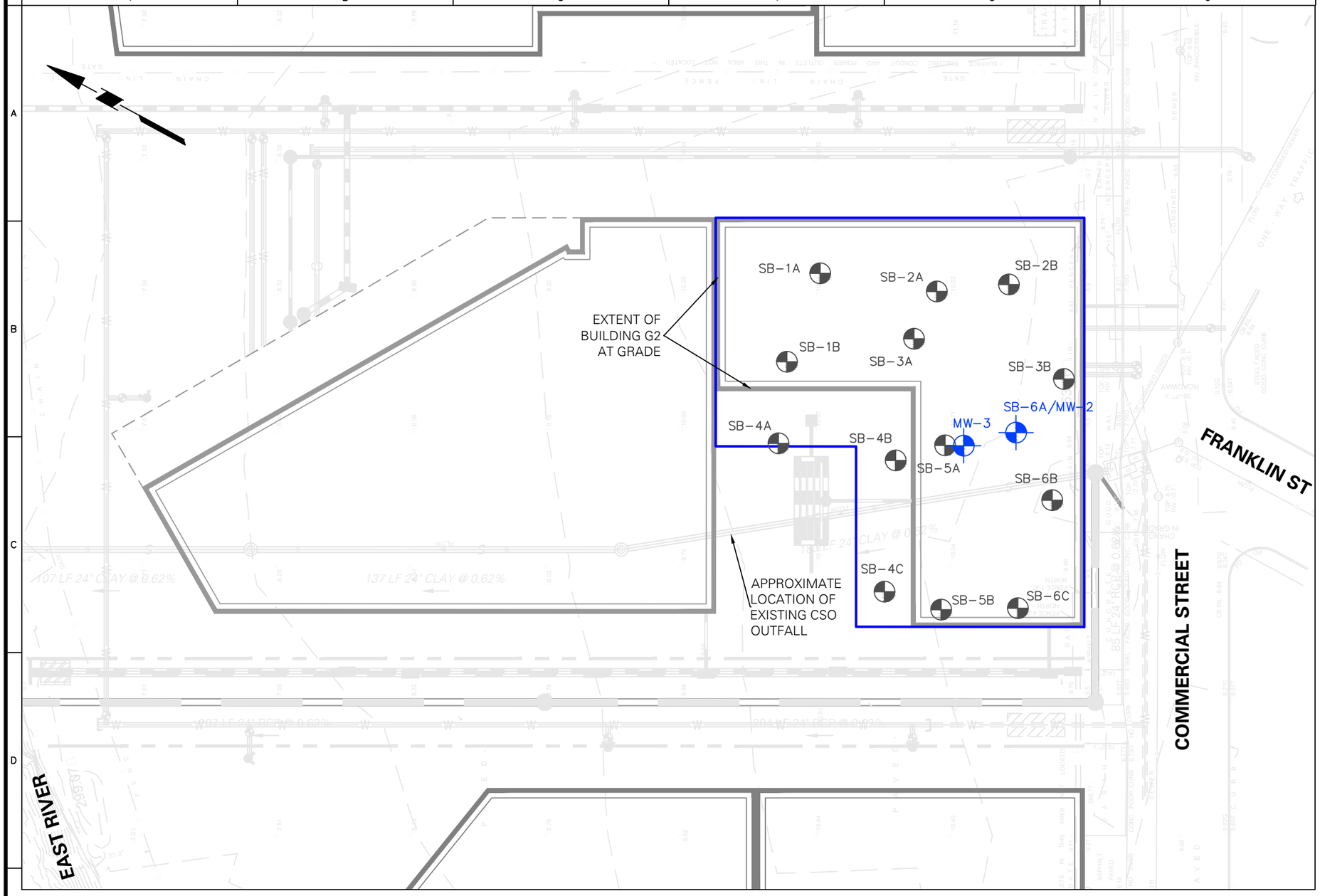
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-WC\170229002-N-SITE-PLAN-G2-TM.dwg Date: 11/11/2013 Time: 13:39 User: gwyka Style Table: Langan.stb Layout: ANSIA-BL



LEGEND

PROPOSED EXCAVATION FOOTPRINT FOR BUILDING G2

SB-1A BORING LOCATION AND ID

MW-3 MONITORING WELL LOCATION AND ID

GENERAL NOTES

1. BASE PLANS TAKEN FROM LANGAN DRAWINGS: UTILITY DRAWING "170229001-C-UI0101", DATED 08/16/2013 AND SITE SURVEY "170229001-V-EX0101", DATED 08/13/2013.
2. ALL BORING AND WELL LOCATIONS WERE LOCATED BY GPS.
3. WASTE CHARACTERIZATION SAMPLING FOR BUILDING G2 CONSISTED OF SHALLOW APPROX. 500-CY CELLS FROM 0 TO 5 FEET BELOW GRADE SURFACE AND ONE DEEP APPROX. 500-CY CELL FROM 5 TO 10 FEET BELOW SURFACE GRADE.
4. SAMPLE LABELING REFLECTS THE GRID AND CELL FROM WHERE THE SAMPLE WAS COLLECTED.
5. MW-2 WAS INSTALLED WITHIN THE FOOTPRINT OF BUILDING G2. A GROUNDWATER SAMPLE WAS COLLECTED FROM MW-3 (FOUND WELL) USING USEPA LOW FLOW SAMPLING METHODS AND ANALYZED FOR NYCDEP AND NYSDEC SPDES PARAMETERS.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Langan International LLC
Collectively known as Langan

Project

GREENPOINT LANDING

BROOKLYN

KINGS NEW YORK

Drawing Title

WASTE CHARACTERIZATION SAMPLING LOCATION MAP

BUILDING G2

Project No. 170229002	Drawing No. 2
Date 11/04/2013	
Scale 1" = 40'	
Drawn By SD / Checked By GCW	
Submission Date	Sheet 2 of 2

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TABLES

Table 1A
Soil Sample Summary
Waste Characterization Technical Memo

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
1	G2_SB-01B_2.5-3	Grab	SB-01B	2.5 to 3	VOCs
2	G2_COMP-01_0-5	Composite	SB-1A, SB-1B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO-DRO), PAINT FILTER
3	G2_SB-02A_1.0-1.5	Grab	SB-02A	1 to 1.5	VOCs
4	G2_COMP-02_0-5	Composite	SB-2A, SB-2B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO-DRO)
5	G2_SB-03A_4.5-5	Grab	SB-03A	4.5 to 5	VOCs
6	G2_COMP-03_0-5	Composite	SB-3A, SB-3B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO-DRO)
7	G2_SB-04C_0-0.5	Grab	SB-04C	0 to 0.5	VOCs
8	G2_COMP-04_0-5	Composite	SB-4A, SB-4B, SB-4C	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO-DRO)
9	G2_SB-05B_2.5-3	Grab	SB-05B	2.5 to 3	VOCs
10	G2_COMP-05_0-5	Composite	SB-5A, SB-5B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO-DRO)
11	G2_SB-06B_4.5-5	Grab	SB-06B	4.5 to 5	VOCs
12	G2_COMP-06S_0-5	Composite	SB-6A, SB-6B, SB-6C	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO-DRO)
12	G2_SB-06C_9.5-10	Grab	SB-06C	9.5 to 10	VOCs
14	G2_COMP-06D_5-10	Composite	SB-6A, SB-6B, SB-6C	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO-DRO)

Notes:
1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 1B
QA/QC Samples Summary
Waste Characterization Technical Memo

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	QA/QC Type	Sample Name	Sample Type	Parent Sample ID	Sampling Location	Sampling Frequency	Depth (ft bgs)	Analysis
1	Duplicate	G2_DUP	Grab	G2_SB-03A_4.5-5	Parcel G2	1 per Parcel	4.5 to 5	VOCs
2	Duplicate	G2_COMP-DUP	Composite	G2_COMP-03_0-5	Parcel G2	1 per Parcel	0 to 5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
3	Field Blank	FB01_091213	N/A	N/A	N/A	One per Field Sampling Day	N/A	VOCs, SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
4	Field Blank	FB01_091313	N/A	N/A	N/A	One per Field Sampling Day	N/A	VOCs, SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
5	Trip Blank	TB01_091213	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
6	Trip Blank	TB01_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
7	Trip Blank	TB02_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
8	Trip Blank	TB03_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
9	Trip Blank	TB04_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
10	Trip Blank	TB05_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs

Notes:
1. Grab soil sample for VOC analysis was collected using EnCore sampling device.
2. Composite sample was obtained from homogenizing at a minimum of five grab samples.
3. Grab sample was collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 1C
Groundwater Sample Summary
Waste Characterization Technical Memo

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Analysis
1	MW3_091913	Grab	MW3	NYCDEP Sanitary/Combined Sewer Parameters
				pH - SM4500 H+-B
				Oil & Grease - EPA 1664
				Total Suspended Solids - SM2540D
				Settleable Solids - SM2540F
				VOCs - EPA 624
				Nitrate/Nitrite - SM4500NO3-F
				13 Priority Pollutant Metals - EPA 200.7, 200.8, 245.1

Notes:

1. Groundwater sample was collected using EPA low-flow methods.
2. Groundwater sample was collected from a well found during the field investigation. The found well was named MW3.

Table 2A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G2_SB-01B			G2_SB-02A			G2_SB-03A						G2_SB-04C			G2_SB-05B			G2_SB-06B			G2_SB-06C		
Client Sample ID			G2_SB-01B_2.5-3			G2_SB-02A_1.0-1.5			G2_SB-03A_4.5-5			G2_DUP			G2_SB-04C_0-0.5			G2_SB-05B_2.5-3			G2_SB-06B_4.5-5			G2_SB-06C_9.5-10		
Lab Sample ID			L1318009-01			L1318001-01			L1318001-03			L1318001-05			L1318168-01			L1318168-02			L1318162-06			L1318162-07		
Sample Date			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/14/2013			09/14/2013			09/13/2013			09/13/2013		
Sample Depth (feet bgs)			2.5 to 3			1 to 1.5			4.5 to 5			4.5 to 5			0 to 0.5			2.5 to 3			4.5 to 5			9.5 to 10		
Volatile Organic Compounds (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
1,2,3-Trichloropropane	~	~	0.014	U	1	0.0093	U	1	0.0098	U	1	0.01	U	1	0.045	J	1	0.0093	U	1	0.011	U	1	0.01	U	1
1,2,4,5-Tetramethylbenzene	~	~	0.0057	U	1	0.0037	U	1	0.0039	U	1	0.0041	U	1	2.6		1	0.0037	U	1	0.0043	U	1	0.0041	U	1
1,2,4-Trimethylbenzene	3.6	52	0.0071	U	1	0.0046	U	1	0.0049	U	1	0.0051	U	1	**5.3**		1	0.0046	U	1	0.0054	U	1	0.0051	U	1
1,2-Dichloroethane	0.02	3.1	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	**0.043**	J	1	0.00093	U	1	0.0011	U	1	0.001	U	1
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0071	U	1	0.0046	U	1	0.0049	U	1	0.0051	U	1	1.2		1	0.0046	U	1	0.0054	U	1	0.0051	U	1
1,4-Dichlorobenzene	1.8	13	0.0071	U	1	0.0046	U	1	0.0049	U	1	0.0051	U	1	0.03	J	1	0.0046	U	1	0.0054	U	1	0.0051	U	1
1,4-Diethyl Benzene	~	~	0.0057	U	1	0.0037	U	1	0.0039	U	1	0.0041	U	1	2.3		1	0.0037	U	1	0.0043	U	1	0.0041	U	1
4-Ethyltoluene	~	~	0.0057	U	1	0.0037	U	1	0.0039	U	1	0.0041	U	1	4.6		1	0.0037	U	1	0.0043	U	1	0.0041	U	1
Acetone	0.05	100	0.007	J	1	**0.055**		1	0.0091	J	1	0.016		1	**0.31**	J	1	0.0093	U	1	0.0088	J	1	0.0043	J	1
Benzene	0.06	4.8	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	**3.5**		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Bromomethane	~	~	0.0028	U	1	0.00085	J	1	0.00033	J	1	0.00097	J	1	0.17	U	1	0.0018	U	1	0.0021	U	1	0.002	U	1
Carbon Disulfide	~	~	0.014	U	1	0.0093	U	1	0.0098	U	1	0.01	U	1	0.87	U	1	0.0093	U	1	0.011	U	1	0.01	U	1
Chloromethane	~	~	0.0071	U	1	0.0046	U	1	0.0049	U	1	0.0051	U	1	0.44	U	1	0.0046	U	1	0.0054	U	1	0.0051	U	1
Cymene	~	~	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	0.1		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Diethyl Ether (Ethyl Ether)	~	~	0.0071	U	1	0.00033	J	1	0.0049	U	1	0.0051	U	1	0.44	U	1	0.0046	U	1	0.0054	U	1	0.0051	U	1
Ethylbenzene	1	41	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	**3**		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Isopropylbenzene (Cumene)	~	~	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	0.25		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0012	J	1	0.007	J	1	0.0014	J	1	0.0022	J	1	*0.87*	U	1	0.0093	U	1	0.0018	J	1	0.01	U	1
Methylcyclohexane	~	~	0.0057	U	1	0.0037	U	1	0.0039	U	1	0.0041	U	1	1		1	0.0037	U	1	0.0043	U	1	0.0041	U	1
Methylene Chloride	0.05	100	0.014	U	1	0.004	J	1	0.0098	U	1	0.004	J	1	*0.87*	U	1	0.0093	U	1	0.011	U	1	0.01	U	1
M-P-Xylene	~	~	0.0028	U	1	0.0018	U	1	0.002	U	1	0.002	U	1	9.9		1	0.0018	U	1	0.0021	U	1	0.002	U	1
Naphthalene	12	100	0.0071	U	1	0.0046	U	1	0.0015	J	1	0.021		1	2.3		1	0.0046	U	1	0.0054	U	1	0.0051	U	1
N-Butylbenzene	12	100	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	0.48		1	0.00093	U	1	0.0011	U	1	0.001	U	1
N-Propylbenzene	3.9	100	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	1.2		1	0.00093	U	1	0.0011	U	1	0.001	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0028	U	1	0.0018	U	1	0.002	U	1	0.002	U	1	2.2		1	0.0018	U	1	0.0021	U	1	0.002	U	1
Sec-Butylbenzene	11	100	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	0.13		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Toluene	0.7	100	0.00045	J	1	0.0014	U	1	0.00017	J	1	0.0015	U	1	**9.7**		1	0.0014	U	1	0.00032	J	1	0.00031	J	1
Xylene (total)	0.26	100	ND		1	ND		1	ND		1	ND		1	**12.1**		1	ND		1	ND		1	ND		1

Notes:

1. Grab soil sample results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND= Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 2B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G2_COMP-01			G2_COMP-02			G2_COMP-03						G2_COMP-04			G2_COMP-05			G2_COMP-06S			G2_COMP-06D		
Client Sample ID			G2_COMP-01_0-5			G2_COMP-02_0-5			G2_COMP-03_0-5			G2_COMP-DUP			G2_COMP-04_0-5			G2_COMP-05_0-5			G2_COMP-06S_0-5			G2_COMP-06D_5-10		
Lab Sample ID			L1318009-02			L1318001-02			L1318001-04			L1318001-06			L1318168-04			L1318168-05			L1318162-08			L1318162-09		
Sample Date			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/14/2013			09/14/2013			09/13/2013			09/13/2013		
Sample Depth (feet bgs)			0 to 5			0 to 5			0 to 5			0 to 5			0 to 5			0 to 5			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	0.49	J	4	0.31		1	0.45	J	4	0.24	J	2	0.37	J	2	0.43	J	4	0.34	J	2	0.11	J	1
3-Methylphenol	0.33	100	*1*	U	4	0.26	U	1	*1*	U	4	*0.52*	U	2	*0.52*	U	2	*1.1*	U	4	*0.54*	U	2	0.3	U	1
Acenaphthene	20	100	1.3		4	0.64		1	3.4		4	0.73		2	0.12	J	2	0.82		4	0.76		2	0.43		1
Acenaphthylene	100	100	0.58		4	0.18		1	0.43	J	4	0.22	J	2	0.12	J	2	0.31	J	4	1		2	0.068	J	1
Anthracene	100	100	3.8		4	1.3		1	5.1		4	1.5		2	0.34		2	2		4	2.5		2	0.93		1
Benzaldehyde	~	~	0.96	U	4	0.24	U	1	0.96	U	4	0.48	U	2	0.48	U	2	1	U	4	0.5	U	2	0.23	J	1
Benzo(a)anthracene	1	1	**8.7**		4	**2.9**		1	**9.1**		4	**3.4**		2	0.83		2	**3.5**		4	**6.8**		2	**1.9**		1
Benzo(a)pyrene	1	1	**8.6**		4	**3**		1	**8**		4	**3.3**		2	0.83		2	**3.3**		4	**8**		2	**1.6**		1
Benzo(b)fluoranthene	1	1	**10**		4	**3.6**		1	**9.5**		4	**4.2**		2	**1.1**		2	**3.4**		4	**9**		2	**1.9**		1
Benzo(g,h,i)perylene	100	100	5.4		4	2		1	4.4		4	2.1		2	0.62		2	1.8		4	5		2	0.78		1
Benzo(k)fluoranthene	0.8	3.9	**3.6**		4	**1.4**		1	**3.6**		4	**1.5**		2	0.42		2	**1.5**		4	**3**		2	0.65		1
Benzoic Acid	~	~	1.5	J	4	0.59	U	1	2.4	U	4	1.2	U	2	1.2	U	2	2.5	U	4	1.2	U	2	0.67	U	1
Benzyl Butyl Phthalate	~	~	0.73	U	4	0.18	U	1	0.73	U	4	0.36	U	2	0.36	U	2	0.77	U	4	0.18	J	2	0.21	U	1
Biphenyl (Diphenyl)	~	~	0.24	J	4	0.094	J	1	1.6	U	4	0.82	U	2	0.83	U	2	1.8	U	4	0.13	J	2	0.47	U	1
Bis(2-Ethylhexyl) Phthalate	~	~	0.73	U	4	0.16	J	1	0.36	J	4	0.42		2	0.15	J	2	0.21	J	4	0.38	U	2	0.21	U	1
Carbazole	~	~	1		4	0.7		1	2.1		4	0.69		2	0.12	J	2	0.34	J	4	1.1		2	0.37		1
Chrysene	1	3.9	**8.7**		4	**3.2**		1	**9.5**		4	**3.8**		2	0.96		2	**3.6**		4	**7.2**		2	**1.9**		1
Dibenz(a,h)anthracene	0.33	0.33	**1.4**		4	**0.46**		1	**1.1**		4	**0.46**		2	0.17	J	2	**0.48**		4	**1.3**		2	0.25		1
Dibenzofuran	7	59	1.4		4	0.53		1	2.3		4	0.54		2	0.17	J	2	0.32	J	4	0.75		2	0.32		1
Di-n-butylphthalate	~	~	0.73	U	4	0.18	U	1	0.73	U	4	0.36	U	2	0.36	U	2	0.77	U	4	0.38	U	2	0.21	U	1
Fluoranthene	100	100	18		4	6.5		1	23		4	8.6		2	1.8		2	6.9		4	12		2	4.4		1
Fluorene	30	100	1.6		4	0.61		1	3.6		4	0.72		2	0.24	J	2	0.87		4	0.9		2	0.51		1
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**6**		4	**2.1**		1	**5.1**		4	**2.3**		2	**0.62**		2	**1.8**		4	**5.3**		2	**0.88**		1
Naphthalene	12	100	0.97		4	0.61		1	0.67	J	4	0.42		2	0.54		2	0.46	J	4	0.9		2	0.2	J	1
Phenanthrene	100	100	12		4	5.8		1	24		4	7		2	1.5		2	7.1		4	8.9		2	4.2		1
Pyrene	100	100	16		4	6		1	19		4	7.6		2	1.7		2	7.4		4	11		2	3.8		1
Total SVOCs	~	~	111.28	J	4	42.094	J	1	134.71	J	4	49.74	J	2	12.72	J	2	46.54	J	4	86.06	J	2	25.428	J	1
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0356	U	1	0.0366	U	1	0.0172	J	1	0.00936	J	1	0.0492		1	0.0265	J	1	0.0119	J	1	0.041	U	1
Aroclor 1254	~	~	0.0356	U	1	0.0366	U	1	0.0231	J	1	0.0193	J	1	0.0318	J	1	0.0376	U	1	0.0378	U	1	0.041	U	1
Total PCBs	0.1	1	ND		1	ND		1	0.0403	J	1	0.02866	J	1	0.081	J	1	0.0265	J	1	0.0119	J	1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDD	0.0033	13	*0.0168*	U	10	*0.00848*	U	5	*0.00864*	U	5	*0.00853*	U	5	**0.0331**		10	*0.0179*	U	10	*0.0182*	U	10	*0.00969*	U	5
p,p'-DDT	0.0033	7.9	*0.0315*	U	10	*0.0159*	U	5	*0.0162*	U	5	*0.016*	U	5	**0.0207**	J	10	**0.0348**		10	*0.0342*	U	10	*0.0182*	U	5
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	6700		2	5500		2	6400		2	7000		2	7200		2	6800		2	4700		2	9300		2
Antimony	~	~	1.7	J	2	0.99	J	2	2.1	J	2	2.5	J	2	4.4	U	2	4.5	U	2	4.3	U	2	4.9	U	2
Arsenic	13	16	**39**		2	9.2		2	10		2	9.8		2	10		2	9.4		2	12		2	6.6		2
Barium	350	400	86		2	78		2	140		2	190		2	280		2	190		2	130		2	53		2
Beryllium	7.2	72	0.41	J	2	0.32	J	2	0.99		2	1.2		2	1.5		2	0.98		2	0.38	J	2	0.47	J	2
Cadmium	2.5	4.3	0.74	J	2	0.75	J	2	0.99		2	1		2	1.4		2	1.1		2	0.9		2	1.9		2
Calcium	~	~	21000		2	43000		2	63000		2	50000		2	46000		2	23000		2	8800		2	1800		2
Chromium Trivalent	30	180	16		1	11		1	19		1	28		1	**33**		1	22		1	11		1	13		1
Chromium Hexavalent	1	110	0.42	J	1	0.74	J	1	0.72	J	1	0.35	J	1	0.89	U	1	0.93	U	1	0.92	U	1	1	U	1
Chromium, Total	~	~	16		2	12		2	20		2	28		2	33		2	22		2	11		2	13		2
Cobalt	~	~	10		2	5.2		2	16		2	18		2	14		2	14		2	4.9		2	8.3		2
Copper	50	270	**81**		2	**54**		2	**230**		2	**370**		2	**270**		2	**320**		2	**83**		2	36		2
Iron	~	~	20000		2	15000		2	20000		2	23000		2	21000		2	20000		2	17000		2	18000		2
Lead	63	400	**140**		2	**140**		2	**340**		2	**420**		2	**440**		2	**220**		2	**440**		2	**130**		2
Magnesium	~	~	2800		2	23000		2	29000		2	20000		2	12000		2	5200		2	1500		2	2400		2
Manganese	1600	2000	180		2	250		2	360		2	370		2	320		2	350		2	180		2	370		2
Mercury	0.18	2.8	**0.54**		1	**0.23**		1	**5.8**		3	**0.21**		1	**0.59**		1	**0.31**		1	**0.72**		1	**0.52**		1
Nickel	30	310	23		2	13		2	30		2	**33**		2	**32**		2	28		2	11		2	15		2
Potassium	~	~	990		2	620		2	730		2	850		2	850		2	1200		2	560		2	580		2
Selenium	3.9	180	1.4	J	2	1.7	U	2	1.7	U	2	1.7	U	2	1.3	J	2	0.44	J	2	0.88	J	2	2	U	2
Silver	2	180	0.84	U	2	0.87	U	2	0.87	U	2	0.24	J	2	0.87	U	2	0.9	U	2	0.87	U	2	0.98	U	2
Sodium	~	~	180		2	410		2	320		2	380		2	330		2	330		2	140	J	2	100	J	2
Vanadium	~	~	20		2	14		2	17		2	19		2	21		2	26		2	16		2	18		2
Zinc	109	10000	**160**		2	**150**		2	**1200**		2	**1400**		2	**1400**		2	**920**		2	**240**		2	**1600**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	2	J	1	1.4	J	1	1.1	J	1	1.1	J	1	6.1		1	5.4		1	0.76	J	1	1.4	J	1
Total Petroleum Hydrocarbons	~	~	653		2	154		1	1660		5	719		2	537		5	1060		5	661		2	139		1
Other			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.2	U	1

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 2C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location			**G2_SB-01B**			**G2_SB-02A**			**G2_SB-03A**						**G2_SB-04C**			**G2_SB-05B**			**G2_SB-06B**			**G2_SB-06C**		
Client Sample ID			**G2_SB-01B_2.5-3**			**G2_SB-02A_1.0-1.5**			**G2_SB-03A_4.5-5**			**G2_DUP**			**G2_SB-04C_0-0.5**			**G2_SB-05B_2.5-3**			**G2_SB-06B_4.5-5**			**G2_SB-06C_9.5-10**		
Lab Sample ID	**NJ RDCSRS**	**NJ NRDCSRS**	**L1318009-01**			**L1318001-01**			**L1318001-03**			**L1318001-05**			**L1318168-01**			**L1318168-02**			**L1318162-06**			**L1318162-07**		
Sample Date			**09/12/2013**			**09/12/2013**			**09/12/2013**			**09/12/2013**			**09/14/2013**			**09/14/2013**			**09/13/2013**			**09/13/2013**		
Sample Depth (feet bgs)			**2.5 to 3**			**1 to 1.5**			**4.5 to 5**			**4.5 to 5**			**0 to 0.5**			**2.5 to 3**			**4.5 to 5**			**9.5 to 10**		
Volatile Organic Compounds (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
1,2,3-Trichloropropane	~	~	0.014	U	1	0.0093	U	1	0.0098	U	1	0.01	U	1	0.045	J	1	0.0093	U	1	0.011	U	1	0.01	U	1
1,2,4,5-Tetramethylbenzene	~	~	0.0057	U	1	0.0037	U	1	0.0039	U	1	0.0041	U	1	2.6		1	0.0037	U	1	0.0043	U	1	0.0041	U	1
1,2,4-Trimethylbenzene	~	~	0.0071	U	1	0.0046	U	1	0.0049	U	1	0.0051	U	1	5.3		1	0.0046	U	1	0.0054	U	1	0.0051	U	1
1,2-Dichloroethane	0.9	3	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	0.043	J	1	0.00093	U	1	0.0011	U	1	0.001	U	1
1,3,5-Trimethylbenzene (Mesitylene)	~	~	0.0071	U	1	0.0046	U	1	0.0049	U	1	0.0051	U	1	1.2		1	0.0046	U	1	0.0054	U	1	0.0051	U	1
1,4-Dichlorobenzene	5	13	0.0071	U	1	0.0046	U	1	0.0049	U	1	0.0051	U	1	0.03	J	1	0.0046	U	1	0.0054	U	1	0.0051	U	1
1,4-Diethyl Benzene	~	~	0.0057	U	1	0.0037	U	1	0.0039	U	1	0.0041	U	1	2.3		1	0.0037	U	1	0.0043	U	1	0.0041	U	1
4-Ethyltoluene	~	~	0.0057	U	1	0.0037	U	1	0.0039	U	1	0.0041	U	1	4.6		1	0.0037	U	1	0.0043	U	1	0.0041	U	1
Acetone	70,000	~	0.007	J	1	0.055		1	0.0091	J	1	0.016		1	0.31	J	1	0.0093	U	1	0.0088	J	1	0.0043	J	1
Benzene	2	51	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	**3.5**		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Bromomethane	25	59	0.0028	U	1	0.00085	J	1	0.00033	J	1	0.00097	J	1	0.17	U	1	0.0018	U	1	0.0021	U	1	0.002	U	1
Carbon Disulfide	7,800	110,000	0.014	U	1	0.0093	U	1	0.0098	U	1	0.01	U	1	0.87	U	1	0.0093	U	1	0.011	U	1	0.01	U	1
Chloromethane	4	12	0.0071	U	1	0.0046	U	1	0.0049	U	1	0.0051	U	1	0.44	U	1	0.0046	U	1	0.0054	U	1	0.0051	U	1
Cymene	~	~	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	0.1		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Diethyl Ether (Ethyl Ether)	~	~	0.0071	U	1	0.00033	J	1	0.0049	U	1	0.0051	U	1	0.44	U	1	0.0046	U	1	0.0054	U	1	0.0051	U	1
Ethylbenzene	7,800	110,000	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	3		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Isopropylbenzene (Cumene)	~	~	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	0.25		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Methyl Ethyl Ketone (2-Butanone)	3,100	44,000	0.0012	J	1	0.007	J	1	0.0014	J	1	0.0022	J	1	0.87	U	1	0.0093	U	1	0.0018	J	1	0.01	U	1
Methylcyclohexane	~	~	0.0057	U	1	0.0037	U	1	0.0039	U	1	0.0041	U	1	1		1	0.0037	U	1	0.0043	U	1	0.0041	U	1
Methylene Chloride	34	97	0.014	U	1	0.004	J	1	0.0098	U	1	0.004	J	1	0.87	U	1	0.0093	U	1	0.011	U	1	0.01	U	1
M-P-Xylene	~	~	0.0028	U	1	0.0018	U	1	0.002	U	1	0.002	U	1	9.9		1	0.0018	U	1	0.0021	U	1	0.002	U	1
Naphthalene	6	17	0.0071	U	1	0.0046	U	1	0.0015	J	1	0.021		1	2.3		1	0.0046	U	1	0.0054	U	1	0.0051	U	1
N-Butylbenzene	~	~	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	0.48		1	0.00093	U	1	0.0011	U	1	0.001	U	1
N-Propylbenzene	~	~	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	1.2		1	0.00093	U	1	0.0011	U	1	0.001	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0028	U	1	0.0018	U	1	0.002	U	1	0.002	U	1	2.2		1	0.0018	U	1	0.0021	U	1	0.002	U	1
Sec-Butylbenzene	~	~	0.0014	U	1	0.00093	U	1	0.00098	U	1	0.001	U	1	0.13		1	0.00093	U	1	0.0011	U	1	0.001	U	1
Toluene	6,300	91,000	0.00045	J	1	0.0014	U	1	0.00017	J	1	0.0015	U	1	9.7		1	0.0014	U	1	0.00032	J	1	0.00031	J	1
Xylene (total)	12,000	170,000	ND		1	ND		1	ND		1	ND		1	12.1		1	ND		1	ND		1	ND		1

Notes:

1. Grab soil sample results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND= Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 2D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NJ RDCSRS	NJ NRDCSRS	G2_COMP-01			G2_COMP-02			G2_COMP-03						G2_COMP-04			G2_COMP-05			G2_COMP-06S			G2_COMP-06D		
Client Sample ID			G2_COMP-01_0-5			G2_COMP-02_0-5			G2_COMP-03_0-5			G2_COMP-DUP			G2_COMP-04_0-5			G2_COMP-05_0-5			G2_COMP-06S_0-5			G2_COMP-06D_5-10		
Lab Sample ID			L1318009-02			L1318001-02			L1318001-04			L1318001-06			L1318168-04			L1318168-05			L1318162-08			L1318162-09		
Sample Date			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/14/2013			09/14/2013			09/13/2013			09/13/2013		
Sample Depth (feet bgs)			0 to 5			0 to 5			0 to 5			0 to 5			0 to 5			0 to 5			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	0.49	J	4	0.31		1	0.45	J	4	0.24	J	2	0.37	J	2	0.43	J	4	0.34	J	2	0.11	J	1
3-Methylphenol	~	~	1	U	4	0.26	U	1	1	U	4	0.52	U	2	0.52	U	2	1.1	U	4	0.54	U	2	0.3	U	1
Acenaphthene	3,400	37,000	1.3		4	0.64		1	3.4		4	0.73		2	0.12	J	2	0.82		4	0.76		2	0.43		1
Acenaphthylene	~	300,000	0.58		4	0.18		1	0.43	J	4	0.22	J	2	0.12	J	2	0.31	J	4	1		2	0.068	J	1
Anthracene	17,000	30,000	3.8		4	1.3		1	5.1		4	1.5		2	0.34		2	2		4	2.5		2	0.93		1
Benzaldehyde	6,100	68,000	0.96	U	4	0.24	U	1	0.96	U	4	0.48	U	2	0.48	U	2	1	U	4	0.5	U	2	0.23	J	1
Benzo(a)anthracene	0.6	2	**8.7**		4	**2.9**		1	**9.1**		4	**3.4**		2	**0.83**		2	**3.5**		4	**6.8**		2	**1.9**		1
Benzo(a)pyrene	0.2	0.2	**8.6**		4	**3**		1	**8**		4	**3.3**		2	**0.83**		2	**3.3**		4	**8**		2	**1.6**		1
Benzo(b)fluoranthene	0.6	2	**10**		4	**3.6**		1	**9.5**		4	**4.2**		2	**1.1**		2	**3.4**		4	**9**		2	**1.9**		1
Benzo(g,h,i)perylene	380,000	30,000	5.4		4	2		1	4.4		4	2.1		2	0.62		2	1.8		4	5		2	0.78		1
Benzo(k)fluoranthene	6	23	3.6		4	1.4		1	3.6		4	1.5		2	0.42		2	1.5		4	3		2	0.65		1
Benzoic Acid	~	~	1.5	J	4	0.59	U	1	2.4	U	4	1.2	U	2	1.2	U	2	2.5	U	4	1.2	U	2	0.67	U	1
Benzyl Butyl Phthalate	~	~	0.73	U	4	0.18	U	1	0.73	U	4	0.36	U	2	0.36	U	2	0.77	U	4	0.18	J	2	0.21	U	1
Biphenyl (Diphenyl)	3,100	34,000	0.24	J	4	0.094	J	1	1.6	U	4	0.82	U	2	0.83	U	2	1.8	U	4	0.13	J	2	0.47	U	1
Bis(2-Ethylhexyl) Phthalate	35	140	0.73	U	4	0.16	J	1	0.36	J	4	0.42		2	0.15	J	2	0.21	J	4	0.38	U	2	0.21	U	1
Carbazole	24	96	1		4	0.7		1	2.1		4	0.69		2	0.12	J	2	0.34	J	4	1.1		2	0.37		1
Chrysene	62	230	8.7		4	3.2		1	9.5		4	3.8		2	0.96		2	3.6		4	7.2		2	1.9		1
Dibenz(a,h)anthracene	0.2	0.2	**1.4**		4	**0.46**		1	**1.1**		4	**0.46**		2	0.17	J	2	**0.48**		4	**1.3**		2	**0.25**		1
Dibenzofuran	~	~	1.4		4	0.53		1	2.3		4	0.54		2	0.17	J	2	0.32	J	4	0.75		2	0.32		1
Di-n-butylphthalate	6,100	68,000	0.73	U	4	0.18	U	1	0.73	U	4	0.36	U	2	0.36	U	2	0.77	U	4	0.38	U	2	0.21	U	1
Fluoranthene	2,300	24,000	18		4	6.5		1	23		4	8.6		2	1.8		2	6.9		4	12		2	4.4		1
Fluorene	2,300	24,000	1.6		4	0.61		1	3.6		4	0.72		2	0.24	J	2	0.87		4	0.9		2	0.51		1
Indeno(1,2,3-c,d)pyrene	0.6	2	**6**		4	**2.1**		1	**5.1**		4	**2.3**		2	**0.62**		2	**1.8**		4	**5.3**		2	**0.88**		1
Naphthalene	6	17	0.97		4	0.61		1	0.67	J	4	0.42		2	0.54		2	0.46	J	4	0.9		2	0.2	J	1
Phenanthrene	~	300,000	12		4	5.8		1	24		4	7		2	1.5		2	7.1		4	8.9		2	4.2		1
Pyrene	1,700	18,000	16		4	6		1	19		4	7.6		2	1.7		2	7.4		4	11		2	3.8		1
Total SVOCs	~	~	111.28	J	4	42.094	J	1	134.71	J	4	49.74	J	2	12.72	J	2	46.54	J	4	86.06	J	2	25.428	J	1
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0356	U	1	0.0366	U	1	0.0172	J	1	0.00936	J	1	0.0492		1	0.0265	J	1	0.0119	J	1	0.041	U	1
Aroclor 1254	~	~	0.0356	U	1	0.0366	U	1	0.0231	J	1	0.0193	J	1	0.0318	J	1	0.0376	U	1	0.0378	U	1	0.041	U	1
Total PCBs	0.2	1	ND		1	ND		1	0.0403	J	1	0.02866	J	1	0.081	J	1	0.0265	J	1	0.0119	J	1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDD	0.0033	13	*0.0168*	U	10	*0.00848*	U	5	*0.00864*	U	5	*0.00853*	U	5	**0.0331**		10	*0.0179*	U	10	*0.0182*	U	10	*0.00969*	U	5
p,p'-DDT	2	8	0.0315	U	10	0.0159	U	5	0.0162	U	5	0.016	U	5	0.0207	J	10	0.0348		10	0.0342	U	10	0.0182	U	5
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	6700		2	5500		2	6400		2	7000		2	7200		2	6800		2	4700		2	9300		2
Antimony	31	450	1.7	J	2	0.99	J	2	2.1	J	2	2.5	J	2	4.4	U	2	4.5	U	2	4.3	U	2	4.9	U	2
Arsenic	19	19	**39**		2	9.2		2	10		2	9.8		2	10		2	9.4		2	12		2	6.6		2
Barium	16,000	59,000	86		2	78		2	140		2	190		2	280		2	190		2	130		2	53		2
Beryllium	16	140	0.41	J	2	0.32	J	2	0.99		2	1.2		2	1.5		2	0.98		2	0.38	J	2	0.47	J	2
Cadmium	78	78	0.74	J	2	0.75	J	2	0.99		2	1		2	1.4		2	1.1		2	0.9		2	1.9		2
Calcium	~	~	21000		2	43000		2	63000		2	50000		2	46000		2	23000		2	8800		2	1800		2
Chromium Trivalent	~	~	16		1	11		1	19		1	28		1	33		1	22		1	11		1	13		1
Chromium Hexavalent	~	~	0.42	J	1	0.74	J	1	0.72	J	1	0.35	J	1	0.89	U	1	0.93	U	1	0.92	U	1	1	U	1
Chromium, Total	~	~	16		2	12		2	20		2	28		2	33		2	22		2	11		2	13		2
Cobalt	1,600	590	10		2	5.2		2	16		2	18		2	14		2	14		2	4.9		2	8.3		2
Copper	3,100	45,000	81		2	54		2	230		2	370		2	270		2	320		2	83		2	36		2
Iron	~	~	20000		2	15000		2	20000		2	23000		2	21000		2	20000		2	17000		2	18000		2
Lead	400	800	140		2	140		2	340		2	**420**		2	**440**		2	220		2	**440**		2	130		2
Magnesium	~	~	2800		2	23000		2	29000		2	20000		2	12000		2	5200		2	1500		2	2400		2
Manganese	11,000	5,900	180		2	250		2	360		2	370		2	320		2	350		2	180		2	370		2
Mercury	23	65	0.54		1	0.23		1	5.8		3	0.21		1	0.59		1	0.31		1	0.72		1	0.52		1
Nickel	1,600	23,000	23		2	13		2	30		2	33		2	32		2	28		2	11		2	15		2
Potassium	~	~	990		2	620		2	730		2	850		2	850		2	1200		2	560		2	580		2
Selenium	390	5,700	1.4	J	2	1.7	U	2	1.7	U	2	1.7	U	2	1.3	J	2	0.44	J	2	0.88	J	2	2	U	2
Silver	390	5,700	0.84	U	2	0.87	U	2	0.87	U	2	0.24	J	2	0.87	U	2	0.9	U	2	0.87	U	2	0.98	U	2
Sodium	~	~	180		2	410		2	320		2	380		2	330		2	330		2	140	J	2	100	J	2
Vanadium	78	1,100	20		2	14		2	17		2	19		2	21		2	26		2	16		2	18		2
Zinc	23,000	110,000	160		2	150		2	1200		2	1400		2	1400		2	920		2	240		2	1600		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	2	J	1	1.4	J	1	1.1	J	1	1.1	J	1	6.1		1	5.4		1	0.76	J	1	1.4	J	1
Total Petroleum Hydrocarbons	~	~	653		2	154		1	1660		5	719		2	537		5	1060		5	661		2	139		1
Other			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.2	U	1

Notes:

1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 2E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location		**G2_COMP-01**			**G2_COMP-02**			**G2_COMP-03**						**G2_COMP-04**			**G2_COMP-05**			**G2_COMP-06S**			**G2_COMP-06D**		
Client Sample ID		**G2_COMP-01_0-5**			**G2_COMP-02_0-5**			**G2_COMP-03_0-5**			**G2_COMP-DUP**			**G2_COMP-04_0-5**			**G2_COMP-05_0-5**			**G2_COMP-06S_0-5**			**G2_COMP-06D_5-10**		
Lab Sample ID	**USEPA RCRA TCLP**	**L1318009-02**			**L1318001-02**			**L1318001-04**			**L1318001-06**			**L1318168-04**			**L1318168-05**			**L1318162-08**			**L1318162-09**		
Sample Date		**09/12/2013**			**09/12/2013**			**09/12/2013**			**09/12/2013**			**09/14/2013**			**09/14/2013**			**09/13/2013**			**09/13/2013**		
Sample Depth (feet bgs)		**0 to 5**			**0 to 5**			**0 to 5**			**0 to 5**			**0 to 5**			**0 to 5**			**0 to 5**			**5 to 10**		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Arsenic	5	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1
Barium	100	0.21	J	1	0.34	J	1	0.31	J	1	0.33	J	1	0.41	J	1	0.44	J	1	0.37	J	1	0.4	J	1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.01	J	1	0.1	U	1	0.1	U	1	0.01	J	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Lead	5	0.35	J	1	0.15	J	1	0.08	J	1	0.17	J	1	0.27	J	1	0.06	J	1	0.72		1	2.2		1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.03	J	1	0.5	U	1	0.5	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
RCRA Characteristics		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
pH (pH units)	<2 or >12.5	8.2		1	7.8		1	8.6		1	8.5		1	9.1		1	8.3		1	9		1	7.6		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI			NI			NI			NI			NI			NI			NI			NI		
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Paint Filter (Negative/Positive)	~	Negative		1	NA			NA			NA			NA			NA			NA			NA		

Notes:

1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminants for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/NI = Ignitable/ Not Ignitable

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 3
QA/QC Sample Results Summary
Waste Characterization Technical Memo

Buildings G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Client Sample ID	**FB01_091213**		**FB01_091313**		**TB01_091213**		**TB03_091313**		**TB01_091313**		**TB02_091313**		**TB04_091313**		**TB05_091313**	
Sampling Date	**9/12/2013**		**9/13/2013**		**9/12/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**	
Lab Sample ID	**L1318001-07**		**L1318159-01**		**L1318001-08**		**L1318158-15**		**L1318159-06**		**L1318161-05**		**L1318162-05**		**L1318164-09**	
Sample Type	**Field Blank**		**Field Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**	
VOC (µg/l)																
Acetone	5	U	3	J	5	U	3.8	J	2.3	J	2.6	J	2.1	J	5	U
SVOC (µg/l)																
Bis(2-Ethylhexyl)phthalate	2	J	3	U	NA		NA		NA		NA		NA		NA	
Total Metals (µg/l)																
Aluminum, Total	2.91	J	10	U	NA		NA		NA		NA		NA		NA	
Barium, Total	0.24	J	0.25	J	NA		NA		NA		NA		NA		NA	
Calcium, Total	102		50.4	J	NA		NA		NA		NA		NA		NA	
Chromium, Total	0.9	J	1		NA		NA		NA		NA		NA		NA	
Copper, Total	0.18	J	1	U	NA		NA		NA		NA		NA		NA	
Manganese, Total	0.34	J	0.31	J	NA		NA		NA		NA		NA		NA	
Nickel, Total	0.39	J	0.36	J	NA		NA		NA		NA		NA		NA	
Sodium, Total	146		177		NA		NA		NA		NA		NA		NA	
PCB (µg/l)																
Total PCBs	ND		ND		NA		NA		NA		NA		NA		NA	
Pesticides (µg/l)																
Pesticides	ND		ND		NA		NA		NA		NA		NA		NA	
Herbicides (µg/l)																
Herbicides	ND		ND		NA		NA		NA		NA		NA		NA	
General Chemistry (µg/l)																
Cyanide, Total	ND		ND		NA		NA		NA		NA		NA		NA	

Notes:
1. Only compounds with detections are shown in the table.
2. VOC = Volatile Organic Compounds
3. SVOC = Semi-Volatile Organic Compounds
4. PCB = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. NA = Not Analyzed
7. ND= Not Detected

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.

Table 4
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYCDEP Discharge Parameters

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYCDEP Discharge Parameters**	**MW3** **MW3_091913** **L1318577-01** **9/19/2013**		
VOC (mg/l)		Result	Q	DF
Chloroform	~	0.0015	U	1
1,1,1-Trichloroethane	~	0.002	U	1
1,4-Dichlorobenzene	~	0.005	U	1
Benzene	0.134	0.001	U	1
Carbon tetrachloride	~	0.001	U	1
Ethylbenzene	0.38	0.001	U	1
Methyl tert butyl ether	0.05	0.0071	J	1
o-Xylene	~	0.001	U	1
p/m-Xylene	~	0.002	U	1
Tetrachloroethene	0.02	0.0015	U	1
Toluene	0.074	0.001	U	1
Xylene (Total)	0.074	0.002	U	1
SVOC (mg/l)		Result	Q	DF
1,2,4-Trichlorobenzene	~	0.005	U	1
Naphthalene	0.047	0.005	U	1
Phenol	~	0.007	U	1
PCB (mg/l)		Result	Q	DF
Total PCBs	0.001	ND		1
Total Metals (mg/l)		Result	Q	DF
Cadmium	2	0.005	U	1
Copper	5	0.007	J	1
Chromium, Hexavalent	5	0.001	J	1
Lead	2	0.014		1
Mercury	0.05	0.0002	U	1
Nickel	3	0.005	J	1
Zinc	5	0.016	J	1
General Chemistry		Result	Q	DF
Chloride (mg/l)	~	81		1
Flash Point (degree F)	<140	150	>	1
Nitrogen, Nitrate/Nitrite (mg/l)	~	0.036	J	1
Nitrogen, Total Kjeldahl (mg/l)	~	12.8		1
Non-Polar Material by EPA 1664 (mg/l)	50	4	U	1
pH (SU's)	5-11	7		1
CBOD, 5 day (mg/l)	~	2	U	1
Total Nitrogen (mg/l)	~	13		1
Total Solids (mg/l)	~	1500		1
Total Suspended Solids (mg/l)	350	54		1

Notes and Qualifiers (Q):

1. Groundwater analytical results are compared to the New York City Department of Environmental Protection (NYCDEP) Limitations for Efluent to Sanitary or Combined Sewers.
2. There are no reported exceedances of NYCDEP criteria.
3. VOC = Volatile Organic Compounds
4. SVOC = Semi-Volatile Organic Compounds
5. PCB = Polychlorinated Biphenyls
7. mg/l = milligrams per liter
8. "-" = Criteria does not exist.
9. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL.
10. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
11. DF = Dilution Factor

Table 5
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYSDEC TOGS AWQS - Class I

Building G2
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYSDEC TOGS AWQS Class I**	**MW3** **MW3_091913** **L1318578-01** **9/19/2013**		
VOC (µg/l)		Result	Q	DF
1,1,1-Trichloroethane	~	2	U	1
1,1,2,2-Tetrachloroethane	~	1	U	1
1,1,2-Trichloroethane	~	1.5	U	1
1,1-Dichloroethane	~	1.5	U	1
1,1-Dichloroethene	~	1	U	1
1,2-Dichlorobenzene	~	5	U	1
1,2-Dichloroethane	~	1.5	U	1
1,2-Dichloropropane	~	3.5	U	1
1,3-Dichlorobenzene	~	5	U	1
1,4-Dichlorobenzene	~	5	U	1
2-Chloroethylvinyl ether	~	10	U	1
Benzene	10	1	U	1
Bromodichloromethane	~	1	U	1
Bromoform	~	1	U	1
Bromomethane	~	2.5	J	1
Carbon tetrachloride	~	1	U	1
Chlorobenzene	5	3.5	U	1
Chloroethane	~	2	U	1
Chloroform	~	1.5	U	1
Chloromethane	~	5	U	1
cis-1,2-Dichloroethene	~	1	U	1
cis-1,3-Dichloropropene	~	1.5	U	1
Dibromochloromethane	~	1	U	1
Ethylbenzene	4.5	1	U	1
Methyl tert butyl Ether	~	10	U	1
Methylene chloride	200	5	U	1
o-xylene	~	1	U	1
p/m-Xylene	~	2	U	1
Tetrachloroethene	1	*1.5*	U	1
Toluene	92	1	U	1
trans-1,2-Dichloroethene	~	1.5	U	1
trans-1,3-Dichloropropene	~	1.5	U	1
Trichloroethene	40	1	U	1
Trichlorofluoromethane	~	5	U	1
Vinyl chloride	~	2	U	1
Xylene (Total)	19	2	U	1
Total Metals (µg/l)		Result	Q	DF
Antimony	~	50	U	1
Arsenic	36	5	U	1
Beryllium	~	5	U	1
Cadmium	7.7	5	U	1
Chromium	~	3.3	J	1
Copper	5.6	5	J	1
Lead	8	**16**		1
Mercury	0.0026	*0.2*	U	1
Nickel	8.2	6	J	1
Selenium, Total	~	10	U	1
Silver, Total	~	7	U	1
Thallium, Total	~	20	U	1
Zinc, Total	66	24	J	1
General Chemistry		Result	Q	DF
Nitrogen, Nitrate/Nitrite (µg/l)	20000	40	J	1
Oil & Grease, Hem-Grav (µg/l)	~	4000	U	1
pH (SU)	~	7.2		1
Solids, Total Suspended (µg/l)	~	100000		1
Solids, Total Settleable (ml/l)	~	0.1	<	1

Notes Qualifiers (Q):

1. Groundwater samples analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGV) Class I.
2. NYSDEC TOGS Standards and Guidance Values-Class I exceedances are shaded and bolded.
3. VOC = Volatile Organic Compounds
4. µg/l - micrograms per liter
5. ml/l = milliliters per liter
6. ~ = Criteria does not exist.
7. DF = Dilution Factor
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
10. Reporting limits above regulatory criteria are italicized.

ATTACHMENT A

BORING LOGS

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING G2-SB-1A **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Brooklyn, NY	ELEVATION AND DATUM
DRILLING AGENCY ADT	DATE STARTED 9/12/13 — DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17C	COMPLETION DEPTH 5' — ROCK DEPTH N/A
SIZE AND TYPE OF BIT	NO. SAMPLES — DIST. — UNDIST. — CORE
CASING 4" ID	WATER LEVEL — FIRST — COMPL. — 24 HR.
CASING HAMMER — WEIGHT — DROP	FOREMAN German Torres
SAMPLER 4" ID x 5ft	INSPECTOR Natasha Bell
SAMPLER HAMMER — WEIGHT — DROP	

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Black C SAND with some gravel and red brick, Loose, Fill, 9"	0.75					Max PID: 0.0ppm Slightly moist, No stain/odor.
1	Dark gray and black SILT with some yellow/orange C sand and gravel. Dense. Fill. 14"	1			56/60		Max PID = 0.0ppm Slightly moist, No stain/odor.
	Light gray, white and brown SILT w. Some F sand. Loose. Fill. 7"	1.9 / 2					Max PID = 0.0ppm Slight moist, No odor/staining
	Reddish brown SILT w. Some F sand and some C gravel. Loose. Fill, 9"	2.5					Max PID = 0.0ppm Slight moist, No staining/odor.
	Dark gray/brown SILT w. Some F sand and some gravel, Loose, Fill. 7"	3 / 3.25					Max PID = 0.0ppm Slight moist, No odor/stain
	Dark gray and brown SILT w. little F sand. Dense. Fill. 6"	3.9 / 4					Max PID = 0.0ppm Slight moist. No odor/stain
	Gray/green SILT mottled w. bright green w. some F sand. Fill. Dense. 4"	4.3					Max PID = 0.0ppm Slight moist. No odor/stain
	No Recovery 4.6 - 5' bgs	4.6					
	END OF BORING	5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

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LOG OF BORING G2-SB-1B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 5'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt plus ——— Fill. 4"	0.6					Max PID = 0.0ppm
	Dark gray w. part of mottled light/gray/white cinder type material mixed w. brick red material. very dense Fill. 8"	1					Max PID = 0.0 ppm Slightly moist. No stain/odor
	Gray aggregate of concrete Fill. 20".	2			46/60		Max PID = 0.0ppm Slightly moist. No stain / odor *sample G2-SB-1B-2.5-3.0 collected
1	Gray, med dense ash, breaks into gravel size. Fill. 9"	3					Max PID = 0.0ppm Slightly moist. No odor/stain
	Olive gray aggregate material w. sand and silt, gravel. Dense. Fill. 5"	3.9					Max PID = 0.0ppm Slight moist
	No recovery 3.9-5' bgs	4					
	END OF BORING	5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

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LOG OF BORING G2_SB-2A **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Brooklyn, NY	ELEVATION AND DATUM
DRILLING AGENCY ADT	DATE STARTED 9/12/13 / DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17-C	COMPLETION DEPTH 5' / ROCK DEPTH N/A
SIZE AND TYPE OF BIT	NO. SAMPLES / DIST. / UNDIST. / CORE
CASING 4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.
CASING HAMMER / WEIGHT / DROP	FOREMAN German Torres
SAMPLER 4" ID x 5 ft	INSPECTOR Natasha Bell
SAMPLER HAMMER / WEIGHT / DROP	

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F to M SAND with some gravel, some fibrous woody material. Fill. Dense. 6"	0.5					Max PID = 7040 ppm slightly moist. No odor/staining
	Light brown/gold SILT with some F sand and little gravel. Hard. Fill. 18"	1			45/60		Max PID > 9999 ppm Slightly moist. No odor/staining. *Sample G2_SB-2A_1-1.5 collected
	Dark gray SILT with little sand. Hard. 12"	2					Max PID = 1670 ppm. Slightly moist. No odor/staining.
	Red BRICK. Fill. 9"	3 / 3.75					Max PID = 0.0 ppm. Slightly moist. No odor/staining
	No recovery 3.75-5' bgs	4					
	END OF BORING	5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

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LOG OF BORING G2_SB-2B **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Brooklyn, NY	ELEVATION AND DATUM
DRILLING AGENCY ADT	DATE STARTED 9/12/13 — DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17C	COMPLETION DEPTH 5' — ROCK DEPTH N/A
SIZE AND TYPE OF BIT	NO. SAMPLES — DIST. — UNDIST. — CORE
CASING 4" ID	WATER LEVEL — FIRST — COMPL. — 24 HR.
CASING HAMMER — WEIGHT — DROP	FOREMAN German Torres
SAMPLER 4" ID x 5ft	INSPECTOR Natasha Bell
SAMPLER HAMMER — WEIGHT — DROP	

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Light gray, F to C SAND with 15% mottled dark gray; some F gravel, trace silt. Fill 6"	0.5			52/60		Max PID = 285 ppm Slightly moist. No odor/stain.
	Dark brown fibrous wood material with dark gray F to C sand, some gravel, little red brick. Fill. 12"	1 / 1.5					Max PID = 319 ppm. Slightly moist. No odor/staining.
	Light gray SILT with banded yellow and dark grey colors, Trace sand with some F to C gravel. Fill. 18"	2					Max PID > 9999 ppm Moist. No odor/staining.
	Reddish brown BRICK. Fill. 8"	3 / 3.6					Max PID = 740 ppm Slightly moist. No odor/staining
	Light yellow/orange SLAG with some ash (black w. white sprinkles) Fill. 8"	4 / 4.3					Max PID = 1057 ppm Slightly moist. No odor/staining
	No recovery 4.3 – 5' bgs	5					
	END OF BORING	6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING G2-SB-3A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 5'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES ✓ DIST.	UNDIST. / CORE
CASING	4" ID	WATER LEVEL FIRST	COMPL. / 24 HR.
CASING HAMMER	WEIGHT / DROP	FOREMAN	German Torres
SAMPLER	4" ID x 5ft	INSPECTOR	Natasha Bell
SAMPLER HAMMER	WEIGHT / DROP		

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt; light gray. Fill. Medium dense. 9"	0.75					Max PID = 0.0 ppm Slightly moist. No odor/staining.
	Light gray C SAND with F gravel. Loose. Fill. 4"	1.'					Max PID = 0.0 ppm wet from drill water. No odor/staining
	Dark gray w. black and red SILT with F gravel and C Sand, Loose. Fill. 4"	1.4			60/		Max PID = 0 ppm wet from drill water. No odor/staining
	Black SILT with some black stained wood. Fill. 10"	2			60		Max PID = 189 ppm slightly moist. No odor, some stained wood.
	Red and white BRICK w. Concrete/stone. Fill. 4" w. some black Fine sand. Loose.	2.25 2.5					Max PID = 0.0 ppm Slight moist. No odor/staining
	Yellow/orange SILT w. some F sand and some gravel. Dense. Fill. 25"	3					Max PID = 325 ppm Slightly moist. No odor/staining.
		4					*Sample G2-SB-3A_4.5-5 collected.
EXPANSION	Olive gray/dark gray SILT w. some sand and some red brick material. Fill. 8"	5 5.6					Max PID = 751 ppm Slight moist. No odor, Black, vertical staining.
	END OF BORING.	6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

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LOG OF BORING G2_SB-3B **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Brooklyn, NY	ELEVATION AND DATUM
DRILLING AGENCY ADT	DATE STARTED 9/12/13 — DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17C	COMPLETION DEPTH 5' — ROCK DEPTH N/A
SIZE AND TYPE OF BIT	NO. SAMPLES — DIST. — UNDIST. — CORE
CASING 4" ID	WATER LEVEL — FIRST — COMPL. — 24 HR.
CASING HAMMER — WEIGHT — DROP	FOREMAN German Torres
SAMPLER 4" ID x 5ft	INSPECTOR Natasha Bell
SAMPLER HAMMER — WEIGHT — DROP	

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light grey GRAVEL and asphalt. Loose. Fill. 4"	0.3					Max PID = 0.0 ppm Slightly moist. No odor/staining
	Light gray/brown F. GRAVEL with some sand. Very loose. 5"	0.75					Max PID = 0 Slightly moist. No odor/staining
	Black, very F GRAVEL w. some sand & silt. Fill. 4"	1					Max PID = 0. Slightly moist.
	Red BRICK, Fill. 6".	1.5			100		Max PID = 0 ppm Slightly moist. No odor/staining
	Light brown/gold SILT with some F sand and little gravel. Hard. Fill, 12".	2			60		Max PID = 0.0 ppm Slightly moist. No odor/staining
1	Black ASH with some light gray gravel and silt. Soft. Loose. Fill. 9".	2.5					Max PID = 0.0 ppm Slightly moist. No odor/staining.
	Light reddish brown M to C GRAVEL with some sand. Loose. Fill. 21".	3.25					Max PID = 0.0 ppm Slightly moist. No odor/staining.
	END OF BORING	4					
		5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

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LOG OF BORING G2-SB-4A SHEET 1 OF 1

PROJECT Greenpoint Landing		PROJECT NO. 170229002	
LOCATION Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY ADT		DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT Compact Roto Sonic 17C		COMPLETION DEPTH 5'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING 4" ID		WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN Chris Stratton	
SAMPLER 4" ID x 5ft.		INSPECTOR Natasha Bell	
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F to C SAND w. some silt and brick frags and wood. Dense. Fill. 18"	1					Max PID = 0.0ppm Very wet (drill water), No odor / stain
	Dark gray F to C SAND w. trace silt and little coal frags, trace concrete frags. Fill. 22"	2 3			48/60		Max PID = 0.0ppm Wet (drill water). No odor / stain
	Light to olive gray F to C SAND w. some silt and little concrete and brick. Fill	4					Max PID = 0.0ppm 8" Slight wet. No odor / stain
	no recovery 4-5' bgs						
	END OF BORING	5 6 7 8 9 10 11 12 13 14					

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LOG OF BORING G2-SB-4B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 5'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	Chris Stratton
SAMPLER	4" ID x 5ft	INSPECTOR	Natasha Bell
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Red BRICK frags w. some wood frags. and C gravel. Fill. 2"	0.6			32/60		Max PID = 0ppm Slightly moist. No odor/stain
	Light gray F to C sand, well graded w. some gravel and concrete frags, tr. brick frags	1.25					Max PID = 0ppm. 7". Loose, slight moist. No odor/stain
	F to C sand w. red brick frags and F to C gravel. Loose. Fill. 7"	1.8					Max PID = 0ppm Slight moist. No odor/stain
	Olive to dark gray F to M SAND w. some silt and concrete frags and trace red brick. Loose. Fill. 10"	2.6					Max PID = 0ppm Slight moist; No odor/stain
	no recovery 2.5-5' bgs	3					
		4					
	END OF BORING	5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

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LOG OF BORING G2_SB-4C SHEET 1 OF 1

PROJECT Greenpoint Landing		PROJECT NO. 170229002	
LOCATION Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY ADT		DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT Compact Roto Sonic 17C		COMPLETION DEPTH 5'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES: DIST. / UNDIST.	CORE
CASING 4" ID		WATER LEVEL: FIRST / COMPL.	24 HR.
CASING HAMMER: WEIGHT	DROP	FOREMAN Chris Stratton	
SAMPLER 4" ID x 5ft		INSPECTOR Natasha Bell	
SAMPLER HAMMER: WEIGHT	DROP		

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Olive gray F to C SAND w. some gravel and trace brick frags and some wood frags and trace Coal frags. Loose. Fill. 18"	1 / 1.5					Max PID=0.0ppm Slightly moist. No odor/stain. *Sample G2_SB-4C_0-0.5 collected
	Black COAL frags with coal ash or cinders and some F to C gravel Loose. Fill. 14"	2 / 2.6			18/10		Max PID=0.0 ppm. Slightly moist. No odor/stain.
	White gray CONCRETE (pulverized). Loose. Fill. 16".	3					Max PID=0.0ppm Slightly moist. No odor/stain.
	no recovery 4-5' bgs	4					
	END OF BORING	5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

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LOG OF BORING G2-SB-5A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 5'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	Chris Stratton
SAMPLER	4" ID x 5 ft.	INSPECTOR	Natasha Bell
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Olive gray F to C SAND w. some gravel and trace brick and wood frags. Loose fill. 12"						Max PID = 0.0ppm very wet (drill water). No odor / stain.
	Red BRICK frags w. F to C sand and F to M gray gravel. Loose. fill. 7"	1			30		Max PID = 0.0ppm very wet (drill). No odor / stain.
	Red BRICK. Dense (solid). and C brick frags. fill. 5"				60		Max PID = 0.0ppm. Moist. No odor / stain.
	Tan treated wood (solvent) w. little dark gray F sand and silt. fill. 11"	2					Max PID - 53ppm slight moist. Wood has solvent-like odor. No stain.
	Dark gray F to M. SAND w. some silt. little gravel.	2.75 3					Max PID = 0.0ppm. No odor / stain. 3"
	no recovery 3-5' bgs	4					
	END OF BORING	5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

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LOG OF BORING G2-SB-5B **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Brooklyn, NY	ELEVATION AND DATUM
DRILLING AGENCY ADT	DATE STARTED 9/14/13 — DATE FINISHED 9/14/13
DRILLING EQUIPMENT Compact Roto Sonic 17C	COMPLETION DEPTH 5' — ROCK DEPTH N/A
SIZE AND TYPE OF BIT	NO. SAMPLES — DIST. — UNDIST. — CORE
CASING 4" ID	WATER LEVEL — FIRST — COMPL. — 24 HR.
CASING HAMMER — WEIGHT — DROP	FOREMAN Chris Stratton
SAMPLER 4" ID x 5ft	INSPECTOR Natasha Bell
SAMPLER HAMMER — WEIGHT — DROP	

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	F to C SAND w little silt and coal cinders, and some red brick frags. Loose. Fill. 15"	1.25					Max PID = 0.0 ppm No odor / stain, slightly moist.
1	Gray F SAND w. F to M gravel. Fill. Loose. 6"	1.75			50/60		Max PID = 0.0 ppm Slight moist. No odor / stain
	First 1" - horizontal brown/orange bands, rest F to C dark gray sand, trace silt Loose. Fill. 7"	2.3					Max PID = 0.0 ppm Slight moist. No odor / stain
	orange/brown F to M SAND, trace silt and little gravel. Dense. Fill. 8"						Max PID = 580 ppm Slight moist. No odor / stain *Sample G2-SB-5B-2.5-3 collected
	Light gray F to C SAND w. F gravel. Loose. Fill. 8".	3.6					Max PID = 0.0 ppm Slight moist. No odor / stain.
	Mottled red brown and dark gray F to C SAND w. trace silt and some gravel. 6"	4.2					Max PID = 0.0 ppm Slight moist. Fill. No odor / stain
	no recovery 4.2-5' bgs						
	END OF BORING						

1 2 3 4 5 6 7 8 9 10 11 12 13 14

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LOG OF BORING G-2-SB-6A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft.	INSPECTOR	Bill Bohner (log completed by N. Pitt)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	olive brown to grayish brown silty F sand, large cobbles of gneiss/granite, possible F sand derived from concrete. stiff in places, loose elsewhere. Fill. 20".	1					Max PID = 0.0ppm from 0-10', every 6" interval. Slightly moist. No odor/stain.
	Dark gray F sand, varying sized gravel derived from rock, burned wood. Loose construction debris, mostly red brick w. some concrete/mortar. Med sand, loose. Reddish brown to grayish brown. 23", Fill.	2			48/60		Moist. Burned wood. No odor/stain. Slightly moist. No odor/stain
		3					
		4					*Sample G-SB-6B-4.5-5 collected
	no recovery 4-5' bgs	5					
	no recovery 5-6' bgs	6					
2	orange brown M to F sand. Gravel, same color and consists of sand size particles, probably parent rock. Incl. orange brown clay aggregates w. loose material.	7			48/60		No odor/stain.
	pinkish red dense C sand w. gravel, weathered parent rock. 5".						Wet, No odor/stain.
	Med gray M sand w F ash, gravel, some red brick. Loose. Fill	8					Wet. No odor/stain
	Cobble size red brick/stone in brown firm sandy silt. Fill. 8"	9					Wet. No odor/stain
	Grayish brown silt, firm / med gravel. 3".						Wet. No odor/stain
	Low density, brownish gray, organic fibrous						Wood? No odor/stain
	tan-gray silty clay, plastic. 3".	10					No odor/stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING G2-SB-6B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES: DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL: FIRST / COMPL. / 24 HR.	
CASING HAMMER: WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by M. Bell)
SAMPLER HAMMER: WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLWS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt. 8".						Max PID = 47.3ppm No odor/stain.
	F sand w. mottled gray brown to med gray, Med/angl rock frags, F gravel, some orange clay	1					Max PID = 179.6ppm Moist, No odor/stain
1	Orange brown silty F sand, med loose, Asphalt, gravel, construction debris, Fill, 13".	2			51/60		Max PID = 27.8ppm Moist.
	Excavation debris, Dark gray orange brown and med gray color. Silty F sand, 30" Fill.	3					Max PID = 27.6ppm Slightly moist. No odor/stain.
	Concrete, gravel, wood chips, sand, dense	4					Max PID = 69.5ppm, Slightly moist
	no recovery 4.3 - 5' bgs	4.3 / 5					
	no recovery 5-6' bgs	6					
2	Brown wet F silt, Some banding of olive gray, char. Stained.	7			48/60		Max PID = 0.0ppm Wet. Char. Stained. No odor.
	END OF BORING.	8 / 9 / 10 / 11 / 12 / 13 / 14					

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LOG OF BORING G2-SB-6C **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft	INSPECTOR	Bill Bahner (Log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Crushed gravel derived from concrete, roadbed support. 8".						Max PID = 0.0 ppm from 0-10', every 6" interval
	Construction debris, red brick frags, med C silt						Loose. No odor/stain.
	Crushed concrete. 8".	1					No odor/stain.
1	Crushed debris, gravel, yellowish brown, firm, sandy silt incl. gravel component.						Moist. No odor/stain.
	Concrete aggregate/mortar, loose. 3"	2			20/60		Slightly moist. No odor/stain
	Dark brown to grayish brown F sand, silt. Med firm to med soft, incl. gravel. 10". Fill.						Slightly moist. No odor/stain
	Brown sandy silt - med soft to firm. Yellow brown matrix incl. F white gravel flakes, possibly fly ash. Fill. 20".	3					Moist. No odor/stain
		4					
		4.7					
	no recovery 4.7-5' bgs	5					
	no recovery 5-6.7' bgs	6					
		6.7					
2	Continuation of prev. layer. Firm to very firm. Incl bands of dark gray, med C sand w. slivers of cinder/ash	7			43/60		No odor/stain.
		7.7					
	Silty F sand, med gray, med dense F gravel derived from rock frags. 8"	8.8					Wet. No odor/stain.
	Concrete - crushed by sonic bit. 23". Fill.	9					No odor/stain.
	END OF BORING	10					
		11					
		12					
		13					
		14					

ATTACHMENT B

GROUNDWATER SAMPLING LOGS

MONITORING WELL SAMPLING FORM

Site: Greenpoint Landing	**Well ID:**	MW-3	**Job No.**	**170229002**	
Date: 9/19/2013	**Weather:**	Clear, Mid 60's - Low 70's	**Sampling Personnel:**	G. Wyka / S.Harrison	

Well Information

Sample ID	MW-3
Well Depth (ft)	28.5
Screened Interval (ft)	Unknown
Casing Elevation (msl)	Unknown
Casing Diameter (in)	2
Depth to Water (ft)	10.5
Water Elevation (msl)	-
Casing Volume (gal)	-
PID/FID Reading (ppm)	0.5

Purging Information

Purging Method	Low Flow
Purging Rate (l/m; gpm)	250-400 mL/min
Start Purge Time	8:57
End Purge Time	10:45
Volume Purged (gal)	20

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	10:45
End Sampling Time	11:30
Depth Before Sampling (ft)	10.75
Number Bottles Collected	Multiple

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
8:57 AM	6.87	2.241	39.2	16.26	19.21	-93.7	10.50	
9:02 AM	6.95	2.398	518.3	16.84	18.35	-138.4	11.10	
9:07 AM	6.95	2.444	-14.8	17.2	18.12	-156.2	11.20	
9:36 AM	6.94	2.431	418.57	12.46	17.63	-146.5	11.10	
9:40 AM	6.97	2.436	433.1	13.09	17.82	-154.2	11.15	
9:45 AM	6.99	2.445	327.9	13.13	17.76	-156.6	11.35	
9:50 AM	6.99	2.451	323.3	12.17	17.74	-157.7	11.30	
9:55 AM	6.96	2.451	173.7	12.2	17.69	-149.9	11.37	
10:03 AM	6.98	2.454	128.3	11.11	17.68	-151.9	11.28	
10:08 AM	6.99	2.461	84.5	10.95	17.72	-148.3	11.35	
10:16 AM	6.68	2.464	116.3	10.07	17.97	-140.9	11.15	
10:21 AM	6.90	2.461	64.2	9.68	17.75	-134.5	11.28	
10:26 AM	6.95	2.461	72.1	8.88	17.63	-135	11.46	
10:31 AM	6.97	2.464	68.7	8.14	18.49	-142.7	10.74	
10:39 AM	6.97	2.458	63.4	7.87	18.78	-139.9	10.70	
10:44 AM	6.98	2.464	60.8	7.63	18.56	-131.6	10.75	

Notes/Remarks

1. Samples analyzed for NYCDEP Sewer Discharge Parameters and NYSDEC SPDES Dewatering Parameters

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

ATTACHMENT C

LABORATORY ANALYTICAL DATA REPORTS (SOIL)

ANALYTICAL REPORT

Lab Number:	L1318001
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318001-01	G2_SB-02A_1.0-1.5	BROOKLYN, NY	09/12/13 09:00
L1318001-02	G2_COMP-02_0-5	BROOKLYN, NY	09/12/13 09:00
L1318001-03	G2_SB-03A_4.5-5	BROOKLYN, NY	09/12/13 11:00
L1318001-04	G2_COMP-03_0-5	BROOKLYN, NY	09/12/13 11:00
L1318001-05	G2_DUP	BROOKLYN, NY	09/12/13 00:00
L1318001-06	G2_COMP-DUP	BROOKLYN, NY	09/12/13 00:00
L1318001-07	FB01_091213	BROOKLYN, NY	09/12/13 11:45
L1318001-08	TB01_091213	BROOKLYN, NY	09/12/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318001
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG636053-2/-3 LCS/LCSD recoveries, associated with L1318001-07, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

The WG636111-2/-3 LCS/LCSD recoveries, associated with L1318001-02, -04, and -06, are above the acceptance criteria for 1,2,4-trichlorobenzene (LCS at 109%), 2,4-dinitrotoluene (136%/137%), 2-nitroaniline (135%/136%), p-chloro-m-cresol (132%/130%), 2-chlorophenol (112%/104%), 4-nitrophenol (132%/138%), and phenol (112%/104%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

PCBs

L1318001-07 has elevated detection limits due to limited sample volume available for analysis.

Pesticides

L1318001-02, -04, and -06 have elevated detection limits due to the dilutions required by the sample matrices.

Due to a laboratory oversight, the WG636605-1 Method Blank, associated with L1318001-07, was spiked with spike solution and is not reported. The associated sample is non-detect with acceptable surrogate recoveries.

Herbicides

The WG635979-2 LCS recovery, associated with L1318001-02, -04, and -06, is above the acceptance criteria for 2,4-d (155%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Metals

L1318001-02, -04, and -06 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

Chromium, Hexavalent

L1318001-07 was analyzed with the method required holding time exceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-01	Date Collected:	09/12/13 09:00
Client ID:	G2_SB-02A_1.0-1.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 23:25		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.16	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	0.85	J	ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-01 Date Collected: 09/12/13 09:00

Client ID: G2_SB-02A_1.0-1.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.20	1
Acetone	55		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	7.0	J	ug/kg	9.3	0.33	1
Vinyl acetate	ND		ug/kg	9.3	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
2-Hexanone	ND		ug/kg	9.3	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.3	0.22	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.71	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	93	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-01	Date Collected:	09/12/13 09:00
Client ID:	G2_SB-02A_1.0-1.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	0.33	J	ug/kg	4.6	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.42	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-03	Date Collected:	09/12/13 11:00
Client ID:	G2_SB-03A_4.5-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:27		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.17	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Bromodichloromethane	ND		ug/kg	0.98	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.44	1
Bromoform	ND		ug/kg	3.9	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.17	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	0.17	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	4.9	0.76	1
Bromomethane	0.33	J	ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-03 Date Collected: 09/12/13 11:00

Client ID: G2_SB-03A_4.5-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.31	1
o-Xylene	ND		ug/kg	2.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.14	1
Dibromomethane	ND		ug/kg	9.8	0.16	1
Styrene	ND		ug/kg	2.0	0.30	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.21	1
Acetone	9.1	J	ug/kg	9.8	3.0	1
Carbon disulfide	ND		ug/kg	9.8	2.0	1
2-Butanone	1.4	J	ug/kg	9.8	0.35	1
Vinyl acetate	ND		ug/kg	9.8	0.47	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.22	1
2-Hexanone	ND		ug/kg	9.8	0.18	1
Bromochloromethane	ND		ug/kg	4.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.20	1
n-Butylbenzene	ND		ug/kg	0.98	0.19	1
sec-Butylbenzene	ND		ug/kg	0.98	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.77	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.41	1
Isopropylbenzene	ND		ug/kg	0.98	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.19	1
Naphthalene	1.5	J	ug/kg	4.9	0.75	1
Acrylonitrile	ND		ug/kg	9.8	0.23	1
n-Propylbenzene	ND		ug/kg	0.98	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.77	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.56	1
Methyl Acetate	ND		ug/kg	20	0.74	1
Cyclohexane	ND		ug/kg	20	1.0	1
1,4-Dioxane	ND		ug/kg	98	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-03	Date Collected:	09/12/13 11:00
Client ID:	G2_SB-03A_4.5-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	3.9	0.16	1
p-Ethyltoluene	ND		ug/kg	3.9	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.44	1
Methyl cyclohexane	ND		ug/kg	3.9	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-05	Date Collected:	09/12/13 00:00
Client ID:	G2_DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 23:59		
Analyst:	PP		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.46	1
Bromoform	ND		ug/kg	4.1	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Bromomethane	0.97	J	ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05 Date Collected: 09/12/13 00:00

Client ID: G2_DUP Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	16		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	2.2	J	ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.1	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.80	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	21		ug/kg	5.1	0.78	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.80	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.58	1
Methyl Acetate	ND		ug/kg	20	0.78	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05 Date Collected: 09/12/13 00:00

Client ID: G2_DUP Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.46	1
Methyl cyclohexane	ND		ug/kg	4.1	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:11		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07 Date Collected: 09/12/13 11:45

Client ID: FB01_091213 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-08	Date Collected:	09/12/13 00:00
Client ID:	TB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:49		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-08 Date Collected: 09/12/13 00:00

Client ID: TB01_091213 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-08	Date Collected:	09/12/13 00:00
Client ID:	TB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
Methylene chloride	2.4	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.86	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.3	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
Methylene chloride	110		105		70-130	5		30
1,1-Dichloroethane	102		96		70-130	6		30
Chloroform	100		95		70-130	5		30
Carbon tetrachloride	98		90		70-130	9		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	114		108		70-130	5		30
1,1,2-Trichloroethane	112		104		70-130	7		30
Tetrachloroethene	101		92		70-130	9		30
Chlorobenzene	105		100		70-130	5		30
Trichlorofluoromethane	90		80		70-139	12		30
1,2-Dichloroethane	99		95		70-130	4		30
1,1,1-Trichloroethane	100		95		70-130	5		30
Bromodichloromethane	105		100		70-130	5		30
trans-1,3-Dichloropropene	89		83		70-130	7		30
cis-1,3-Dichloropropene	92		87		70-130	6		30
1,1-Dichloropropene	97		89		70-130	9		30
Bromoform	106		100		70-130	6		30
1,1,2,2-Tetrachloroethane	118		111		70-130	6		30
Benzene	103		97		70-130	6		30
Toluene	101		95		70-130	6		30
Ethylbenzene	106		101		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
Chloromethane	107		97		52-130	10		30
Bromomethane	110		103		57-147	7		30
Vinyl chloride	110		99		67-130	11		30
Chloroethane	110		100		50-151	10		30
1,1-Dichloroethene	100		93		65-135	7		30
trans-1,2-Dichloroethene	100		94		70-130	6		30
Trichloroethene	98		92		70-130	6		30
1,2-Dichlorobenzene	109		105		70-130	4		30
1,3-Dichlorobenzene	109		105		70-130	4		30
1,4-Dichlorobenzene	108		105		70-130	3		30
Methyl tert butyl ether	84		80		66-130	5		30
p/m-Xylene	106		99		70-130	7		30
o-Xylene	106		100		70-130	6		30
cis-1,2-Dichloroethene	102		98		70-130	4		30
Dibromomethane	99		95		70-130	4		30
Styrene	111		107		70-130	4		30
Dichlorodifluoromethane	69		62		30-146	11		30
Acetone	**148**	Q	106		54-140	**33**	Q	30
Carbon disulfide	95		86		59-130	10		30
2-Butanone	114		87		70-130	27		30
Vinyl acetate	101		98		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
4-Methyl-2-pentanone	99		93		70-130	6		30
1,2,3-Trichloropropane	112		105		68-130	6		30
2-Hexanone	112		94		70-130	17		30
Bromochloromethane	100		97		70-130	3		30
2,2-Dichloropropane	84		80		70-130	5		30
1,2-Dibromoethane	115		106		70-130	8		30
1,3-Dichloropropane	108		100		69-130	8		30
1,1,1,2-Tetrachloroethane	103		97		70-130	6		30
Bromobenzene	106		103		70-130	3		30
n-Butylbenzene	111		104		70-130	7		30
sec-Butylbenzene	110		104		70-130	6		30
tert-Butylbenzene	106		100		70-130	6		30
o-Chlorotoluene	110		106		70-130	4		30
p-Chlorotoluene	108		105		70-130	3		30
1,2-Dibromo-3-chloropropane	104		96		68-130	8		30
Hexachlorobutadiene	94		88		67-130	7		30
Isopropylbenzene	105		98		70-130	7		30
p-Isopropyltoluene	107		101		70-130	6		30
Naphthalene	101		101		70-130	0		30
Acrylonitrile	112		101		70-130	10		30
Isopropyl Ether	100		96		66-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
tert-Butyl Alcohol	103		98		70-130	5		30
n-Propylbenzene	110		106		70-130	4		30
1,2,3-Trichlorobenzene	105		103		70-130	2		30
1,2,4-Trichlorobenzene	105		102		70-130	3		30
1,3,5-Trimethylbenzene	108		103		70-130	5		30
1,2,4-Trimethylbenzene	108		103		70-130	5		30
Methyl Acetate	113		93		51-146	19		30
Ethyl Acetate	112		105		70-130	6		30
Acrolein	108		97		70-130	11		30
Cyclohexane	96		87		59-142	10		30
1,4-Dioxane	113		106		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		88		50-139	11		30
1,4-Diethylbenzene	108		103		70-130	5		30
4-Ethyltoluene	110		104		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		100		70-130	4		30
Tetrahydrofuran	107		98		66-130	9		30
Ethyl ether	103		97		67-130	6		30
trans-1,4-Dichloro-2-butene	112		99		70-130	12		30
Methyl cyclohexane	97		90		70-130	7		30
Ethyl-Tert-Butyl-Ether	99		97		70-130	2		30
Tertiary-Amyl Methyl Ether	**60**	Q	**60**	Q	70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		95		70-130
Toluene-d8	103		100		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	110		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Methylene chloride	96		100		70-130	4		20
1,1-Dichloroethane	87		93		70-130	7		20
Chloroform	83		89		70-130	7		20
Carbon tetrachloride	73		83		63-132	13		20
1,2-Dichloropropane	92		96		70-130	4		20
Dibromochloromethane	89		96		63-130	8		20
1,1,2-Trichloroethane	102		103		70-130	1		20
Tetrachloroethene	88		93		70-130	6		20
Chlorobenzene	91		96		75-130	5		20
Trichlorofluoromethane	80		88		62-150	10		20
1,2-Dichloroethane	82		87		70-130	6		20
1,1,1-Trichloroethane	75		84		67-130	11		20
Bromodichloromethane	81		89		67-130	9		20
trans-1,3-Dichloropropene	80		87		70-130	8		20
cis-1,3-Dichloropropene	89		95		70-130	7		20
1,1-Dichloropropene	90		98		70-130	9		20
Bromoform	88		100		54-136	13		20
1,1,2,2-Tetrachloroethane	110		114		67-130	4		20
Benzene	92		98		70-130	6		20
Toluene	92		96		70-130	4		20
Ethylbenzene	88		93		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Chloromethane	95		101		64-130	6		20
Bromomethane	83		95		39-139	13		20
Vinyl chloride	97		104		55-140	7		20
Chloroethane	94		100		55-138	6		20
1,1-Dichloroethene	90		97		61-145	7		20
trans-1,2-Dichloroethene	92		99		70-130	7		20
Trichloroethene	84		88		70-130	5		20
1,2-Dichlorobenzene	96		102		70-130	6		20
1,3-Dichlorobenzene	94		98		70-130	4		20
1,4-Dichlorobenzene	91		98		70-130	7		20
Methyl tert butyl ether	105		108		63-130	3		20
p/m-Xylene	91		95		70-130	4		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	98		102		70-130	4		20
Dibromomethane	91		97		70-130	6		20
1,2,3-Trichloropropane	105		106		64-130	1		20
Acrylonitrile	111		110		70-130	1		20
Isopropyl Ether	101		104		70-130	3		20
tert-Butyl Alcohol	123		125		70-130	2		20
Styrene	96		101		70-130	5		20
Dichlorodifluoromethane	114		123		36-147	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Acetone	126		**152**	Q	58-148	19		20
Carbon disulfide	97		106		51-130	9		20
2-Butanone	116		129		63-138	11		20
Vinyl acetate	95		96		70-130	1		20
4-Methyl-2-pentanone	105		107		59-130	2		20
2-Hexanone	113		117		57-130	3		20
Bromochloromethane	97		101		70-130	4		20
2,2-Dichloropropane	79		85		63-133	7		20
1,2-Dibromoethane	98		102		70-130	4		20
1,3-Dichloropropane	99		102		70-130	3		20
1,1,1,2-Tetrachloroethane	89		97		64-130	9		20
Bromobenzene	96		100		70-130	4		20
n-Butylbenzene	94		100		53-136	6		20
sec-Butylbenzene	98		104		70-130	6		20
tert-Butylbenzene	97		104		70-130	7		20
o-Chlorotoluene	92		97		70-130	5		20
p-Chlorotoluene	92		97		70-130	5		20
1,2-Dibromo-3-chloropropane	93		103		41-144	10		20
Hexachlorobutadiene	100		106		63-130	6		20
Isopropylbenzene	92		99		70-130	7		20
p-Isopropyltoluene	91		97		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Naphthalene	109		114		70-130	4		20
n-Propylbenzene	94		101		69-130	7		20
1,2,3-Trichlorobenzene	106		112		70-130	6		20
1,2,4-Trichlorobenzene	98		104		70-130	6		20
1,3,5-Trimethylbenzene	94		100		64-130	6		20
1,2,4-Trimethylbenzene	95		100		70-130	5		20
Methyl Acetate	109		111		70-130	2		20
Ethyl Acetate	110		118		70-130	7		20
Cyclohexane	101		108		70-130	7		20
Ethyl-Tert-Butyl-Ether	101		104		70-130	3		20
Tertiary-Amyl Methyl Ether	100		104		66-130	4		20
1,4-Dioxane	116		126		56-162	8		20
Freon-113	94		100		70-130	6		20
p-Diethylbenzene	94		102		70-130	8		20
p-Ethyltoluene	95		101		70-130	6		20
1,2,4,5-Tetramethylbenzene	98		102		70-130	4		20
Ethyl ether	105		110		59-134	5		20
trans-1,4-Dichloro-2-butene	90		91		70-130	1		20
Iodomethane	78		85		70-130	9		20
Methyl cyclohexane	100		107		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	91		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
Methylene chloride	113		124		70-130	9		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	112		117		70-130	4		30
1,1,2-Trichloroethane	108		113		70-130	5		30
Tetrachloroethene	102		102		70-130	0		30
Chlorobenzene	106		109		70-130	3		30
Trichlorofluoromethane	87		94		70-139	8		30
1,2-Dichloroethane	99		104		70-130	5		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	86		89		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	113		122		70-130	8		30
Benzene	106		106		70-130	0		30
Toluene	102		103		70-130	1		30
Ethylbenzene	109		110		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
Chloromethane	125		126		52-130	1		30
Bromomethane	126		126		57-147	0		30
Vinyl chloride	128		127		67-130	1		30
Chloroethane	107		106		50-151	1		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	107		111		70-130	4		30
1,4-Dichlorobenzene	108		112		70-130	4		30
Methyl tert butyl ether	83		85		66-130	2		30
p/m-Xylene	108		109		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		104		70-130	7		30
Styrene	111		115		70-130	4		30
Dichlorodifluoromethane	84		95		30-146	12		30
Acetone	119		131		54-140	10		30
Carbon disulfide	104		102		59-130	2		30
2-Butanone	101		108		70-130	7		30
Vinyl acetate	101		107		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
4-Methyl-2-pentanone	101		108		70-130	7		30
1,2,3-Trichloropropane	108		116		68-130	7		30
2-Hexanone	106		116		70-130	9		30
Bromochloromethane	100		106		70-130	6		30
2,2-Dichloropropane	87		84		70-130	4		30
1,2-Dibromoethane	111		118		70-130	6		30
1,3-Dichloropropane	103		109		69-130	6		30
1,1,1,2-Tetrachloroethane	103		106		70-130	3		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	110		111		70-130	1		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	107		107		70-130	0		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	109		111		70-130	2		30
1,2-Dibromo-3-chloropropane	99		108		68-130	9		30
Hexachlorobutadiene	92		95		67-130	3		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	103		111		70-130	7		30
Acrylonitrile	104		116		70-130	11		30
Isopropyl Ether	101		104		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	110		112		70-130	2		30
1,2,3-Trichlorobenzene	105		111		70-130	6		30
1,2,4-Trichlorobenzene	103		107		70-130	4		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	106		109		70-130	3		30
Methyl Acetate	105		116		51-146	10		30
Ethyl Acetate	111		120		70-130	8		30
Acrolein	99		109		70-130	10		30
Cyclohexane	87		97		59-142	11		30
1,4-Dioxane	111		123		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		98		50-139	12		30
1,4-Diethylbenzene	108		109		70-130	1		30
4-Ethyltoluene	110		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		30
Tetrahydrofuran	105		116		66-130	10		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	101		105		70-130	4		30
Methyl cyclohexane	87		97		70-130	11		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30
Tertiary-Amyl Methyl Ether	**62**	Q	**63**	Q	70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	104		103		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/14/13 09:38
Analytical Date:	09/17/13 19:41		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	640		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	6500		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	610		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	160	J	ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	2900		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02 Date Collected: 09/12/13 09:00

Client ID: G2_COMP-02_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3000		ug/kg	140	44.	1
Benzo(b)fluoranthene	3600		ug/kg	110	37.	1
Benzo(k)fluoranthene	1400		ug/kg	110	35.	1
Chrysene	3200		ug/kg	110	36.	1
Acenaphthylene	180		ug/kg	140	34.	1
Anthracene	1300		ug/kg	110	30.	1
Benzo(ghi)perylene	2000		ug/kg	140	38.	1
Fluorene	610		ug/kg	180	52.	1
Phenanthrene	5800		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	460		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	140	40.	1
Pyrene	6000		ug/kg	110	35.	1
Biphenyl	94	J	ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	530		ug/kg	180	61.	1
2-Methylnaphthalene	310		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	250	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	700		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	111		0-136
4-Terphenyl-d14	79		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/14/13 09:38
Analytical Date:	09/18/13 13:02			
Analyst:	JB			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3400		ug/kg	580	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	200	4
2-Chloronaphthalene	ND		ug/kg	730	240	4
1,2-Dichlorobenzene	ND		ug/kg	730	240	4
1,3-Dichlorobenzene	ND		ug/kg	730	230	4
1,4-Dichlorobenzene	ND		ug/kg	730	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	190	4
2,4-Dinitrotoluene	ND		ug/kg	730	160	4
2,6-Dinitrotoluene	ND		ug/kg	730	190	4
Fluoranthene	23000		ug/kg	440	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	730	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	870	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	670	J	ug/kg	730	240	4
Nitrobenzene	ND		ug/kg	660	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	730	220	4
Bis(2-Ethylhexyl)phthalate	360	J	ug/kg	730	190	4
Butyl benzyl phthalate	ND		ug/kg	730	140	4
Di-n-butylphthalate	ND		ug/kg	730	140	4
Di-n-octylphthalate	ND		ug/kg	730	180	4
Diethyl phthalate	ND		ug/kg	730	150	4
Dimethyl phthalate	ND		ug/kg	730	180	4
Benzo(a)anthracene	9100		ug/kg	440	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04 D Date Collected: 09/12/13 11:00

Client ID: G2_COMP-03_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8000		ug/kg	580	180	4
Benzo(b)fluoranthene	9500		ug/kg	440	150	4
Benzo(k)fluoranthene	3600		ug/kg	440	140	4
Chrysene	9500		ug/kg	440	140	4
Acenaphthylene	430	J	ug/kg	580	140	4
Anthracene	5100		ug/kg	440	120	4
Benzo(ghi)perylene	4400		ug/kg	580	150	4
Fluorene	3600		ug/kg	730	210	4
Phenanthrene	24000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1100		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	5100		ug/kg	580	160	4
Pyrene	19000		ug/kg	440	140	4
Biphenyl	ND		ug/kg	1600	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	200	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	2300		ug/kg	730	240	4
2-Methylnaphthalene	450	J	ug/kg	870	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	220	4
Acetophenone	ND		ug/kg	730	220	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	730	210	4
2-Chlorophenol	ND		ug/kg	730	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	730	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3500	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	580	160	4
Phenol	ND		ug/kg	730	220	4
2-Methylphenol	ND		ug/kg	730	230	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	730	240	4
Benzoic Acid	ND		ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	220	4
Carbazole	2100		ug/kg	730	160	4
Benzaldehyde	ND		ug/kg	960	290	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04 D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	730	200	4
Atrazine	ND		ug/kg	580	160	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	730	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	113		0-136
4-Terphenyl-d14	77		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/14/13 09:38
Analytical Date:	09/17/13 20:30			
Analyst:	JB			
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	730		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	8600		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	65.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	420		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	420		ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	3400		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06 D Date Collected: 09/12/13 00:00
Client ID: G2_COMP-DUP Date Received: 09/12/13
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	290	88.	2
Benzo(b)fluoranthene	4200		ug/kg	220	73.	2
Benzo(k)fluoranthene	1500		ug/kg	220	69.	2
Chrysene	3800		ug/kg	220	71.	2
Acenaphthylene	220	J	ug/kg	290	67.	2
Anthracene	1500		ug/kg	220	60.	2
Benzo(ghi)perylene	2100		ug/kg	290	75.	2
Fluorene	720		ug/kg	360	100	2
Phenanthrene	7000		ug/kg	220	70.	2
Dibenzo(a,h)anthracene	460		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	2300		ug/kg	290	80.	2
Pyrene	7600		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	540		ug/kg	360	120	2
2-Methylnaphthalene	240	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	690		ug/kg	360	77.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	78		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	09/13/13 21:35
Analytical Date:	09/18/13 00:38		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Benzaldehyde	ND		ug/l	5.0	0.60	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	92		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	09/13/13 21:33
Analytical Date:	09/16/13 22:48		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	107		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 18:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG636053-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 18:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG636053-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53
Benzaldehyde	ND		ug/l	5.0	0.60
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	1.0
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	90		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/13 20:15
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG636055-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.25	J	ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	0.10	J	ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.26	J	ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/13 20:15
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG636055-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	100		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	105		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	108		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
1,2,4-Trichlorobenzene	84		88		39-98	5		30
Bis(2-chloroethyl)ether	92		95		40-140	3		30
1,2-Dichlorobenzene	85		88		40-140	3		30
1,3-Dichlorobenzene	83		85		40-140	2		30
1,4-Dichlorobenzene	84		87		36-97	4		30
3,3'-Dichlorobenzidine	73		80		40-140	9		30
2,4-Dinitrotoluene	**115**	Q	**117**	Q	24-96	2		30
2,6-Dinitrotoluene	117		115		40-140	2		30
4-Chlorophenyl phenyl ether	103		106		40-140	3		30
4-Bromophenyl phenyl ether	112		111		40-140	1		30
Bis(2-chloroisopropyl)ether	94		95		40-140	1		30
Bis(2-chloroethoxy)methane	99		100		40-140	1		30
Hexachlorocyclopentadiene	61		63		40-140	3		30
Isophorone	108		108		40-140	0		30
Nitrobenzene	101		105		40-140	4		30
NitrosoDiPhenylAmine(NDPA)/DPA	112		114		40-140	2		30
n-Nitrosodi-n-propylamine	111		114		29-132	3		30
Bis(2-Ethylhexyl)phthalate	111		112		40-140	1		30
Butyl benzyl phthalate	133		131		40-140	2		30
Di-n-butylphthalate	128		129		40-140	1		30
Di-n-octylphthalate	119		121		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
Diethyl phthalate	119		119		40-140	0		30
Dimethyl phthalate	111		112		40-140	1		30
Biphenyl	92		96			4		30
4-Chloroaniline	72		67		40-140	7		30
2-Nitroaniline	116		117		52-143	1		30
3-Nitroaniline	77		78		25-145	1		30
4-Nitroaniline	111		109		51-143	2		30
Dibenzofuran	103		106		40-140	3		30
1,2,4,5-Tetrachlorobenzene	94		97		2-134	3		30
Acetophenone	104		107		39-129	3		30
2,4,6-Trichlorophenol	116		113		30-130	3		30
P-Chloro-M-Cresol	**117**	Q	**120**	Q	23-97	3		30
2-Chlorophenol	99		102		27-123	3		30
2,4-Dichlorophenol	106		108		30-130	2		30
2,4-Dimethylphenol	101		103		30-130	2		30
2-Nitrophenol	108		112		30-130	4		30
4-Nitrophenol	70		69		10-80	1		30
2,4-Dinitrophenol	117		126		20-130	7		30
4,6-Dinitro-o-cresol	130		130		20-164	0		30
Phenol	48		51		12-110	6		30
2-Methylphenol	95		98		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
3-Methylphenol/4-Methylphenol	89		90		30-130	1		30
2,4,5-Trichlorophenol	110		110		30-130	0		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	96		100			4		30
Carbazole	114		114		55-144	0		30
Benzaldehyde	80		80			0		30
Caprolactam	40		40			0		30
Atrazine	127		132			4		30
2,3,4,6-Tetrachlorophenol	109		113			4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		68		21-120
Phenol-d6	46		47		10-120
Nitrobenzene-d5	106		107		23-120
2-Fluorobiphenyl	92		94		15-120
2,4,6-Tribromophenol	117		120		10-120
4-Terphenyl-d14	108		108		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG636055-2 WG636055-3								
Acenaphthene	99		98		37-111	1		40
2-Chloronaphthalene	92		88		40-140	4		40
Fluoranthene	132		126		40-140	5		40
Hexachlorobutadiene	76		70		40-140	8		40
Naphthalene	86		83		40-140	4		40
Benzo(a)anthracene	129		118		40-140	9		40
Benzo(a)pyrene	129		118		40-140	9		40
Benzo(b)fluoranthene	128		116		40-140	10		40
Benzo(k)fluoranthene	129		122		40-140	6		40
Chrysene	114		110		40-140	4		40
Acenaphthylene	106		101		40-140	5		40
Anthracene	136		124		40-140	9		40
Benzo(ghi)perylene	117		101		40-140	15		40
Fluorene	103		103		40-140	0		40
Phenanthrene	117		119		40-140	2		40
Dibenzo(a,h)anthracene	123		107		40-140	14		40
Indeno(1,2,3-cd)Pyrene	120		105		40-140	13		40
Pyrene	127		121		26-127	5		40
2-Methylnaphthalene	91		87		40-140	4		40
Pentachlorophenol	87		93		9-103	7		40
Hexachlorobenzene	97		99		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG636055-2 WG636055-3								
Hexachloroethane	83		78		40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		63		21-120
Phenol-d6	42		42		10-120
Nitrobenzene-d5	101		99		23-120
2-Fluorobiphenyl	96		91		15-120
2,4,6-Tribromophenol	**130**	Q	**124**	Q	10-120
4-Terphenyl-d14	132		127		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Acenaphthene	111		112		31-137	1		50
1,2,4-Trichlorobenzene	**109**	Q	103		38-107	6		50
Hexachlorobenzene	123		127		40-140	3		50
Bis(2-chloroethyl)ether	104		98		40-140	6		50
2-Chloronaphthalene	119		114		40-140	4		50
1,2-Dichlorobenzene	104		98		40-140	6		50
1,3-Dichlorobenzene	102		98		40-140	4		50
1,4-Dichlorobenzene	102		98		28-104	4		50
3,3'-Dichlorobenzidine	96		86		40-140	11		50
2,4-Dinitrotoluene	**136**	Q	**137**	Q	28-89	1		50
2,6-Dinitrotoluene	133		130		40-140	2		50
Fluoranthene	122		124		40-140	2		50
4-Chlorophenyl phenyl ether	119		121		40-140	2		50
4-Bromophenyl phenyl ether	126		128		40-140	2		50
Bis(2-chloroisopropyl)ether	101		95		40-140	6		50
Bis(2-chloroethoxy)methane	107		101		40-117	6		50
Hexachlorobutadiene	111		104		40-140	7		50
Hexachlorocyclopentadiene	84		82		40-140	2		50
Hexachloroethane	100		96		40-140	4		50
Isophorone	111		104		40-140	7		50
Naphthalene	108		102		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Nitrobenzene	108		102		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	123		126			2		50
n-Nitrosodi-n-propylamine	110		101		32-121	9		50
Bis(2-Ethylhexyl)phthalate	127		128		40-140	1		50
Butyl benzyl phthalate	126		128		40-140	2		50
Di-n-butylphthalate	123		124		40-140	1		50
Di-n-octylphthalate	130		133		40-140	2		50
Diethyl phthalate	120		121		40-140	1		50
Dimethyl phthalate	119		121		40-140	2		50
Benzo(a)anthracene	117		121		40-140	3		50
Benzo(a)pyrene	123		122		40-140	1		50
Benzo(b)fluoranthene	120		121		40-140	1		50
Benzo(k)fluoranthene	121		122		40-140	1		50
Chrysene	117		121		40-140	3		50
Acenaphthylene	121		118		40-140	3		50
Anthracene	122		125		40-140	2		50
Benzo(ghi)perylene	112		110		40-140	2		50
Fluorene	118		120		40-140	2		50
Phenanthrene	117		118		40-140	1		50
Dibenzo(a,h)anthracene	115		114		40-140	1		50
Indeno(1,2,3-cd)Pyrene	113		112		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Pyrene	122		124		35-142	2		50
Biphenyl	113		112			1		50
4-Chloroaniline	64		56		40-140	13		50
2-Nitroaniline	**135**	Q	**136**	Q	47-134	1		50
3-Nitroaniline	89		80		26-129	11		50
4-Nitroaniline	121		123		41-125	2		50
Dibenzofuran	115		116		40-140	1		50
2-Methylnaphthalene	114		108		40-140	5		50
1,2,4,5-Tetrachlorobenzene	114		112		40-117	2		50
Acetophenone	118		111		14-144	6		50
2,4,6-Trichlorophenol	130		128		30-130	2		50
P-Chloro-M-Cresol	**132**	Q	**130**	Q	26-103	2		50
2-Chlorophenol	**112**	Q	**104**	Q	25-102	7		50
2,4-Dichlorophenol	123		118		30-130	4		50
2,4-Dimethylphenol	126		120		30-130	5		50
2-Nitrophenol	118		111		30-130	6		50
4-Nitrophenol	**132**	Q	**138**	Q	11-114	4		50
2,4-Dinitrophenol	102		107		4-130	5		50
4,6-Dinitro-o-cresol	119		119		10-130	0		50
Pentachlorophenol	107		108		17-109	1		50
Phenol	**112**	Q	**104**	Q	26-90	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
2-Methylphenol	115		109		30-130.	5		50
3-Methylphenol/4-Methylphenol	118		112		30-130	5		50
2,4,5-Trichlorophenol	125		126		30-130	1		50
Benzoic Acid	57		55			4		50
Benzyl Alcohol	112		104		40-140	7		50
Carbazole	120		123		54-128	2		50
Benzaldehyde	82		75			9		50
Caprolactam	126		124			2		50
Atrazine	124		128			3		50
2,3,4,6-Tetrachlorophenol	115		113			2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	111		106		25-120
Phenol-d6	113		107		10-120
Nitrobenzene-d5	103		99		23-120
2-Fluorobiphenyl	116		113		30-120
2,4,6-Tribromophenol	129		135		0-136
4-Terphenyl-d14	107		111		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/14/13 10:39
Analytical Date:	09/16/13 16:36		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	154000		ug/kg	36600	3590	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	48		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 20:24		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	76		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:04		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/14/13 10:39
Analytical Date:	09/18/13 17:17			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1660000		ug/kg	181000	17800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:45		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	85		70-130
4-Bromofluorobenzene	85		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/14/13 10:39
Analytical Date:	09/19/13 06:42			
Analyst:	AR			
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	719000		ug/kg	69600	6820	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	115		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/16/13 10:46
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/14/13 10:39

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,06 Batch: WG636124-1					
TPH	ND		ug/kg	33100	3240

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 15:41
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02,04,06 Batch: WG636620-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	75		70-130
4-Bromofluorobenzene	78		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636124-2								
TPH	87		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	89				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636620-1 WG636620-2								
Gasoline Range Organics	102		102		80-120	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	95		95		70-130
4-Bromofluorobenzene	103		105		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636620-5 QC Sample: L1318031-01 Client ID: MS Sample												
Gasoline Range Organics	ND	24200	22000	90		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84				70-130
4-Bromofluorobenzene	91				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636124-3 QC Sample: L1318096-06 Client ID: DUP Sample						
TPH	18000J	15600J	ug/kg	NC		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		95		40-140

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 12:57	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	7.22	1	A
Aroclor 1221	ND		ug/kg	36.6	11.0	1	A
Aroclor 1232	ND		ug/kg	36.6	7.77	1	A
Aroclor 1242	ND		ug/kg	36.6	6.94	1	A
Aroclor 1248	ND		ug/kg	36.6	4.43	1	A
Aroclor 1254	ND		ug/kg	36.6	5.77	1	A
Aroclor 1260	ND		ug/kg	36.6	6.35	1	A
Aroclor 1262	ND		ug/kg	36.6	2.70	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 13:10	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	7.18	1	A
Aroclor 1221	ND		ug/kg	36.3	11.0	1	A
Aroclor 1232	ND		ug/kg	36.3	7.72	1	A
Aroclor 1242	ND		ug/kg	36.3	6.89	1	A
Aroclor 1248	ND		ug/kg	36.3	4.40	1	A
Aroclor 1254	23.1	J	ug/kg	36.3	5.73	1	B
Aroclor 1260	17.2	J	ug/kg	36.3	6.30	1	B
Aroclor 1262	ND		ug/kg	36.3	2.69	1	A
Aroclor 1268	ND		ug/kg	36.3	5.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 13:24	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	6.99	1	A
Aroclor 1221	ND		ug/kg	35.4	10.7	1	A
Aroclor 1232	ND		ug/kg	35.4	7.52	1	A
Aroclor 1242	ND		ug/kg	35.4	6.72	1	A
Aroclor 1248	ND		ug/kg	35.4	4.28	1	A
Aroclor 1254	19.3	J	ug/kg	35.4	5.58	1	B
Aroclor 1260	9.36	J	ug/kg	35.4	6.14	1	B
Aroclor 1262	ND		ug/kg	35.4	2.62	1	A
Aroclor 1268	ND		ug/kg	35.4	5.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	09/14/13 14:18
Analytical Date:	09/16/13 01:38	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/14/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	**154**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	**161**	Q	30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318001

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/17/13 11:35
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/14/13 13:38
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/15/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG636143-1						
Aroclor 1016	ND		ug/kg	32.2	6.35	A
Aroclor 1221	ND		ug/kg	32.2	9.70	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	6.11	A
Aroclor 1248	ND		ug/kg	32.2	3.89	A
Aroclor 1254	ND		ug/kg	32.2	5.07	A
Aroclor 1260	ND		ug/kg	32.2	5.58	A
Aroclor 1262	ND		ug/kg	32.2	2.38	A
Aroclor 1268	ND		ug/kg	32.2	4.67	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318001

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/16/13 01:51
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 09/14/13 14:18
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG636154-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	149		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	**154**	Q	30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636143-2 WG636143-3									
Aroclor 1016	71		71		40-140	0		50	A
Aroclor 1260	57		61		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		99		30-150	A
Decachlorobiphenyl	81		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		92		30-150	B
Decachlorobiphenyl	97		105		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG636154-2 WG636154-3									
Aroclor 1016	98		93		40-140	6		50	A
Aroclor 1260	135		128		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		87		30-150	A
Decachlorobiphenyl	148		150		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		83		30-150	B
Decachlorobiphenyl	**153**	Q	**153**	Q	30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 17:54	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.3	1	A
2,4,5-T	ND		ug/kg	184	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	95		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	D	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:31		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.48	1.66	5	A
Lindane	ND		ug/kg	3.53	1.58	5	A
Alpha-BHC	ND		ug/kg	3.53	1.00	5	A
Beta-BHC	ND		ug/kg	8.48	3.21	5	A
Heptachlor	ND		ug/kg	4.24	1.90	5	A
Aldrin	ND		ug/kg	8.48	2.98	5	A
Heptachlor epoxide	ND		ug/kg	15.9	4.77	5	A
Endrin	ND		ug/kg	3.53	1.45	5	A
Endrin ketone	ND		ug/kg	8.48	2.18	5	A
Dieldrin	ND		ug/kg	5.30	2.65	5	A
4,4'-DDE	ND		ug/kg	8.48	1.96	5	A
4,4'-DDD	ND		ug/kg	8.48	3.02	5	A
4,4'-DDT	ND		ug/kg	15.9	6.82	5	A
Endosulfan I	ND		ug/kg	8.48	2.00	5	A
Endosulfan II	ND		ug/kg	8.48	2.83	5	A
Endosulfan sulfate	ND		ug/kg	3.53	1.61	5	A
Methoxychlor	ND		ug/kg	15.9	4.94	5	A
Toxaphene	ND		ug/kg	159	44.5	5	A
cis-Chlordane	ND		ug/kg	10.6	2.95	5	A
trans-Chlordane	ND		ug/kg	10.6	2.80	5	A
Chlordane	ND		ug/kg	68.9	28.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 18:14	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.2	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:44		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.64	1.69	5	A
Lindane	ND		ug/kg	3.60	1.61	5	A
Alpha-BHC	ND		ug/kg	3.60	1.02	5	A
Beta-BHC	ND		ug/kg	8.64	3.28	5	A
Heptachlor	ND		ug/kg	4.32	1.94	5	A
Aldrin	ND		ug/kg	8.64	3.04	5	A
Heptachlor epoxide	ND		ug/kg	16.2	4.86	5	A
Endrin	ND		ug/kg	3.60	1.48	5	A
Endrin ketone	ND		ug/kg	8.64	2.22	5	A
Dieldrin	ND		ug/kg	5.40	2.70	5	A
4,4'-DDE	ND		ug/kg	8.64	2.00	5	A
4,4'-DDD	ND		ug/kg	8.64	3.08	5	A
4,4'-DDT	ND		ug/kg	16.2	6.95	5	A
Endosulfan I	ND		ug/kg	8.64	2.04	5	A
Endosulfan II	ND		ug/kg	8.64	2.89	5	A
Endosulfan sulfate	ND		ug/kg	3.60	1.64	5	A
Methoxychlor	ND		ug/kg	16.2	5.04	5	A
Toxaphene	ND		ug/kg	162	45.4	5	A
cis-Chlordane	ND		ug/kg	10.8	3.01	5	A
trans-Chlordane	ND		ug/kg	10.8	2.85	5	A
Chlordane	ND		ug/kg	70.2	28.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 18:34	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	22.0	1	A
2,4,5-T	ND		ug/kg	181	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:56		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.53	1.67	5	A
Lindane	ND		ug/kg	3.55	1.59	5	A
Alpha-BHC	ND		ug/kg	3.55	1.01	5	A
Beta-BHC	ND		ug/kg	8.53	3.23	5	A
Heptachlor	ND		ug/kg	4.26	1.91	5	A
Aldrin	ND		ug/kg	8.53	3.00	5	A
Heptachlor epoxide	ND		ug/kg	16.0	4.80	5	A
Endrin	ND		ug/kg	3.55	1.46	5	A
Endrin ketone	ND		ug/kg	8.53	2.20	5	A
Dieldrin	ND		ug/kg	5.33	2.66	5	A
4,4'-DDE	ND		ug/kg	8.53	1.97	5	A
4,4'-DDD	ND		ug/kg	8.53	3.04	5	A
4,4'-DDT	ND		ug/kg	16.0	6.86	5	A
Endosulfan I	ND		ug/kg	8.53	2.01	5	A
Endosulfan II	ND		ug/kg	8.53	2.85	5	A
Endosulfan sulfate	ND		ug/kg	3.55	1.62	5	A
Methoxychlor	ND		ug/kg	16.0	4.98	5	A
Toxaphene	ND		ug/kg	160	44.8	5	A
cis-Chlordane	ND		ug/kg	10.7	2.97	5	A
trans-Chlordane	ND		ug/kg	10.7	2.81	5	A
Chlordane	ND		ug/kg	69.3	28.2	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/17/13 02:15
Analytical Date:	09/18/13 10:52	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	141		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 11:58
Analytical Date:	09/16/13 21:53	Methylation Date:	09/16/13 00:31
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	65		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 20:53
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 11:58

Methylation Date: 09/16/13 00:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 07 Batch: WG635884-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	70		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 15:35
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 15:51

Methylation Date: 09/16/13 00:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG635979-1						
2,4-D	ND		ug/kg	166	20.2	A
2,4,5-T	ND		ug/kg	166	10.4	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/13 02:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/13/13 17:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG636012-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.957	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.292	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.91	0.534	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07 Batch: WG635884-2 WG635884-3									
2,4-D	107		113		30-150	5		25	A
2,4,5-T	105		110		30-150	5		25	A
2,4,5-TP (Silvex)	111		117		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		106		30-150	A
DCAA	63		77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635979-2 WG635979-3									
2,4-D	**155**	Q	130		30-150	18		30	A
2,4,5-T	116		106		30-150	9		30	A
2,4,5-TP (Silvex)	118		109		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		107		30-150	A
DCAA	122		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636012-2 WG636012-3									
Delta-BHC	77		70		30-150	10		30	A
Lindane	79		71		30-150	11		30	A
Alpha-BHC	76		68		30-150	11		30	A
Beta-BHC	82		75		30-150	9		30	A
Heptachlor	81		73		30-150	10		30	A
Aldrin	81		74		30-150	9		30	A
Heptachlor epoxide	72		66		30-150	9		30	A
Endrin	87		80		30-150	8		30	A
Endrin ketone	67		61		30-150	9		30	A
Dieldrin	78		71		30-150	9		30	A
4,4'-DDE	75		68		30-150	10		30	A
4,4'-DDD	78		71		30-150	9		30	A
4,4'-DDT	81		74		30-150	9		30	A
Endosulfan I	77		71		30-150	8		30	A
Endosulfan II	67		62		30-150	8		30	A
Endosulfan sulfate	64		59		30-150	8		30	A
Methoxychlor	76		70		30-150	8		30	A
cis-Chlordane	75		72		30-150	4		30	A
trans-Chlordane	76		70		30-150	8		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636012-2 WG636012-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		71		30-150	A
Decachlorobiphenyl	107		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		63		30-150	B
Decachlorobiphenyl	119		106		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG636605-2 WG636605-3									
Delta-BHC	107		78		30-150	**31**	Q	20	A
Lindane	103		78		30-150	**27**	Q	20	A
Alpha-BHC	98		72		30-150	**30**	Q	20	A
Beta-BHC	103		81		30-150	**24**	Q	20	A
Heptachlor	78		63		30-150	**21**	Q	20	A
Aldrin	69		57		30-150	18		20	A
Heptachlor epoxide	95		71		30-150	**29**	Q	20	A
Endrin	117		86		30-150	**31**	Q	20	A
Endrin ketone	107		74		30-150	**36**	Q	20	A
Dieldrin	103		76		30-150	**30**	Q	20	A
4,4'-DDE	92		69		30-150	**28**	Q	20	A
4,4'-DDD	106		78		30-150	**31**	Q	20	A
4,4'-DDT	108		80		30-150	**30**	Q	20	A
Endosulfan I	99		74		30-150	**29**	Q	20	A
Endosulfan II	95		67		30-150	**34**	Q	20	A
Endosulfan sulfate	101		70		30-150	**37**	Q	20	A
Methoxychlor	111		79		30-150	**33**	Q	20	A
cis-Chlordane	94		71		30-150	**27**	Q	20	A
trans-Chlordane	88		70		30-150	**24**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG636605-2 WG636605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		48		30-150	A
Decachlorobiphenyl	123		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		39		30-150	B
Decachlorobiphenyl	143		137		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/14/13 12:30
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Barium, TCLP	0.34	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Lead, TCLP	0.15	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:25	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02
Client ID: G2_COMP-02_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	8.7	1.7	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Antimony, Total	0.99	J	mg/kg	4.4	0.70	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Arsenic, Total	9.2		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Barium, Total	78		mg/kg	0.87	0.26	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Beryllium, Total	0.32	J	mg/kg	0.44	0.09	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Cadmium, Total	0.75	J	mg/kg	0.87	0.06	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Calcium, Total	43000		mg/kg	8.7	2.6	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Cobalt, Total	5.2		mg/kg	1.7	0.44	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Copper, Total	54		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.4	1.7	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	4.4	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Magnesium, Total	23000		mg/kg	8.7	0.87	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Mercury, Total	0.23		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:46	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Potassium, Total	620		mg/kg	220	35.	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Sodium, Total	410		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	0.87	0.09	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Zinc, Total	150		mg/kg	4.4	0.61	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/14/13 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Barium, TCLP	0.31	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Lead, TCLP	0.08	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:35	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	8.7	1.7	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Antimony, Total	2.1	J	mg/kg	4.3	0.70	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Barium, Total	140		mg/kg	0.87	0.26	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Beryllium, Total	0.99		mg/kg	0.43	0.09	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Cadmium, Total	0.99		mg/kg	0.87	0.06	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Calcium, Total	63000		mg/kg	8.7	2.6	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Chromium, Total	20		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Cobalt, Total	16		mg/kg	1.7	0.43	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Copper, Total	230		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.3	1.7	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Lead, Total	340		mg/kg	4.3	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Magnesium, Total	29000		mg/kg	8.7	0.87	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Manganese, Total	360		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Mercury, Total	5.8		mg/kg	0.27	0.06	3	09/18/13 08:30	09/18/13 13:06	EPA 7471B	1,7471B	MC
Nickel, Total	30		mg/kg	2.2	0.35	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Potassium, Total	730		mg/kg	220	35.	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.87	0.09	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Zinc, Total	1200		mg/kg	4.3	0.61	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/14/13 12:30
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Barium, TCLP	0.33	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Lead, TCLP	0.17	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:37	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06
Client ID: G2_COMP-DUP
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7000		mg/kg	8.5	1.7	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Antimony, Total	2.5	J	mg/kg	4.3	0.68	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Arsenic, Total	9.8		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Barium, Total	190		mg/kg	0.85	0.26	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Beryllium, Total	1.2		mg/kg	0.43	0.09	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Cadmium, Total	1.0		mg/kg	0.85	0.06	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Calcium, Total	50000		mg/kg	8.5	2.6	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Chromium, Total	28		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Cobalt, Total	18		mg/kg	1.7	0.43	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Copper, Total	370		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Iron, Total	23000		mg/kg	4.3	1.7	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Lead, Total	420		mg/kg	4.3	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Magnesium, Total	20000		mg/kg	8.5	0.85	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Manganese, Total	370		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Mercury, Total	0.21		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:50	EPA 7471B	1,7471B	MC
Nickel, Total	33		mg/kg	2.1	0.34	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Potassium, Total	850		mg/kg	210	34.	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Silver, Total	0.24	J	mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Sodium, Total	380		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.85	0.09	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	4.3	0.60	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07
Client ID: FB01_091213
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/12/13 11:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00291	J	mg/l	0.0100	0.00200	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Barium, Total	0.00024	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Calcium, Total	0.102		mg/l	0.100	0.0320	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Chromium, Total	0.00090	J	mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Copper, Total	0.00018	J	mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Manganese, Total	0.00034	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/18/13 09:42	09/18/13 15:48	EPA 7470A	1,7470A	JH
Nickel, Total	0.00039	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Sodium, Total	0.146		mg/l	0.100	0.0150	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06 Batch: WG635896-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07 Batch: WG635955-1										
Aluminum, Total	0.00914	J	mg/l	0.0100	0.00200	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Chromium, Total	0.00062	J	mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Copper, Total	0.00014	J	mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Manganese, Total	0.00015	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Nickel, Total	0.00024	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Sodium, Total	0.0206	J	mg/l	0.100	0.0150	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Thallium, Total	0.00003	J	mg/l	0.00050	0.00003	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06 Batch: WG636484-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Lead, TCLP	0.03	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/14/13 12:30

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06 Batch: WG636745-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:17	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06 Batch: WG636902-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:21	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/14/13 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07 Batch: WG637016-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/18/13 09:42	09/18/13 15:33	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635896-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	89		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	101		-		51-150	-		
Lead, Total	94		-		80-120	-		
Magnesium, Total	92		-		74-126	-		
Manganese, Total	95		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	104		-		66-134	-		
Sodium, Total	92		-		74-127	-		
Thallium, Total	101		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635896-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG635955-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	93	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	98	-	80-120	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	101	-	80-120	-	
Selenium, Total	104	-	80-120	-	
Silver, Total	92	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	93	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG635955-2					
Zinc, Total	106	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636484-2					
Arsenic, TCLP	92	-	75-125	-	20
Barium, TCLP	95	-	75-125	-	20
Cadmium, TCLP	96	-	75-125	-	20
Chromium, TCLP	85	-	75-125	-	20
Lead, TCLP	96	-	75-125	-	20
Selenium, TCLP	92	-	75-125	-	20
Silver, TCLP	94	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636745-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636902-2					
Mercury, TCLP	84	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG637016-2					
Mercury, Total	97	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-4 QC Sample: L1317987-01 Client ID: MS Sample												
Aluminum, Total	1400	193	1400	**0**	Q	-	-		75-125	-		35
Antimony, Total	ND	48.2	45	93		-	-		75-125	-		35
Arsenic, Total	5.1	11.6	12	**60**	Q	-	-		75-125	-		35
Barium, Total	1.7	193	190	98		-	-		75-125	-		35
Beryllium, Total	0.38J	4.82	4.9	102		-	-		75-125	-		35
Cadmium, Total	0.25J	4.92	4.8	98		-	-		75-125	-		35
Calcium, Total	120	964	970	88		-	-		75-125	-		35
Chromium, Total	11.	19.3	21	**52**	Q	-	-		75-125	-		35
Cobalt, Total	1.7J	48.2	47	97		-	-		75-125	-		35
Copper, Total	11.	24.1	31	83		-	-		75-125	-		35
Iron, Total	9900	96.4	5600	**0**	Q	-	-		75-125	-		35
Lead, Total	4.1J	49.2	51	104		-	-		75-125	-		35
Magnesium, Total	140	964	1000	89		-	-		75-125	-		35
Manganese, Total	12.	48.2	58	95		-	-		75-125	-		35
Nickel, Total	1.9J	48.2	46	95		-	-		75-125	-		35
Potassium, Total	62.J	964	980	102		-	-		75-125	-		35
Selenium, Total	0.41J	11.6	11	95		-	-		75-125	-		35
Silver, Total	ND	28.9	28	97		-	-		75-125	-		35
Sodium, Total	530	964	1500	100		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	16.	48.2	53	77		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-4 QC Sample: L1317987-01 Client ID: MS Sample									
Zinc, Total	22.	48.2	60	79	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-4 QC Sample: L1317998-04 Client ID: MS Sample										
Aluminum, Total	2.65	2	3.94	**64**	Q	-	-	80-120	-	20
Antimony, Total	0.00049J	0.5	0.2829	**56**	Q	-	-	80-120	-	20
Arsenic, Total	0.00259	0.12	0.1091	91		-	-	80-120	-	20
Barium, Total	0.1346	2	0.2019	**4**	Q	-	-	80-120	-	20
Beryllium, Total	0.00016J	0.05	0.05493	110		-	-	80-120	-	20
Cadmium, Total	0.00005J	0.051	0.05462	107		-	-	80-120	-	20
Calcium, Total	214.	10	229	**150**	Q	-	-	80-120	-	20
Chromium, Total	0.02273	0.2	0.2238	100		-	-	80-120	-	20
Cobalt, Total	0.00242	0.5	0.5118	102		-	-	80-120	-	20
Copper, Total	0.00622	0.25	0.2677	107		-	-	80-120	-	20
Iron, Total	5.30	1	5.10	**0**	Q	-	-	80-120	-	20
Lead, Total	0.00300	0.51	0.1344	**26**	Q	-	-	80-120	-	20
Magnesium, Total	7.66	10	17.9	102		-	-	80-120	-	20
Manganese, Total	0.1218	0.5	0.6172	98		-	-	80-120	-	20
Nickel, Total	0.00755	0.5	0.5270	104		-	-	80-120	-	20
Potassium, Total	30.3	10	43.3	114		-	-	80-120	-	20
Selenium, Total	0.00207J	0.12	0.113	94		-	-	80-120	-	20
Silver, Total	ND	0.05	0.01247	**25**	Q	-	-	80-120	-	20
Sodium, Total	283.	10	302	**190**	Q	-	-	80-120	-	20
Thallium, Total	0.00004J	0.12	0.1180	98		-	-	80-120	-	20
Vanadium, Total	0.00712	0.5	0.5128	102		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-4 QC Sample: L1317998-04 Client ID: MS Sample									
Zinc, Total	0.02330	0.5	0.5506	110	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636484-4 QC Sample: L1318135-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.1	92	-	-	75-125	-	20
Barium, TCLP	0.33J	20	18	90	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.46	90	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.5	75	-	-	75-125	-	20
Lead, TCLP	0.07J	5.1	4.7	92	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.0	83	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.44	88	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636745-4 QC Sample: L1317416-03 Client ID: MS Sample									
Mercury, Total	ND	0.2	0.15	75	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636902-4 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5									
Mercury, TCLP	ND	0.025	0.0247	99	-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG637016-4 QC Sample: L1317998-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00365	73	-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-3 QC Sample: L1317987-01 Client ID: DUP Sample						
Aluminum, Total	1400	900	mg/kg	**43**	Q	35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	5.1	1.4	mg/kg	**114**	Q	35
Barium, Total	1.7	1.5	mg/kg	13		35
Beryllium, Total	0.38J	0.32J	mg/kg	NC		35
Cadmium, Total	0.25J	0.11J	mg/kg	NC		35
Calcium, Total	120	81	mg/kg	**39**	Q	35
Chromium, Total	11.	4.2	mg/kg	**89**	Q	35
Cobalt, Total	1.7J	0.96J	mg/kg	NC		35
Copper, Total	11.	7.1	mg/kg	**43**	Q	35
Iron, Total	9900	4100	mg/kg	**83**	Q	35
Lead, Total	4.1J	3.4J	mg/kg	NC		35
Magnesium, Total	140	150	mg/kg	7		35
Manganese, Total	12.	15	mg/kg	22		35
Nickel, Total	1.9J	1.3J	mg/kg	NC		35
Potassium, Total	62.J	68J	mg/kg	NC		35
Selenium, Total	0.41J	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	530	550	mg/kg	4		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-3 QC Sample: L1317987-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		35
Vanadium, Total	16.	5.5	mg/kg	**98**	Q	35
Zinc, Total	22.	15	mg/kg	**38**	Q	35
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-3 QC Sample: L1317998-04 Client ID: DUP Sample						
Aluminum, Total	2.65	2.32	mg/l	13		20
Sodium, Total	283.	290.	mg/l	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-3 QC Sample: L1317998-04 Client ID: DUP Sample					
Antimony, Total	0.00049J	0.00043J	mg/l	NC	20
Arsenic, Total	0.00259	0.00271	mg/l	5	20
Barium, Total	0.1346	0.1337	mg/l	1	20
Beryllium, Total	0.00016J	0.00014J	mg/l	NC	20
Cadmium, Total	0.00005J	0.00006J	mg/l	NC	20
Chromium, Total	0.02273	0.02319	mg/l	2	20
Cobalt, Total	0.00242	0.00253	mg/l	4	20
Copper, Total	0.00622	0.00649	mg/l	4	20
Iron, Total	5.30	5.61	mg/l	6	20
Lead, Total	0.00300	0.00303	mg/l	1	20
Manganese, Total	0.1218	0.1294	mg/l	6	20
Nickel, Total	0.00755	0.00776	mg/l	3	20
Potassium, Total	30.3	31.9	mg/l	5	20
Selenium, Total	0.00207J	0.00206J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	0.00004J	0.00012J	mg/l	NC	20
Vanadium, Total	0.00712	0.00691	mg/l	3	20
Zinc, Total	0.02330	0.02290	mg/l	2	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636484-3 QC Sample: L1318135-01 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.33J	0.37J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.07J	0.08J	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636745-3 QC Sample: L1317416-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636902-3 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5					
Mercury, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG637016-3 QC Sample: L1317998-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-01
Client ID: G2_SB-02A_1.0-1.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02
Client ID: G2_COMP-02_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.89	0.89	1	-	09/18/13 16:45	107,-	JO
Solids, Total	89.5		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:25	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.74	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:03	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-03
Client ID: G2_SB-03A_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	19		mg/kg	0.89	0.89	1	-	09/18/13 16:45	107,-	JO
Solids, Total	89.6		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/15/13 12:30	09/16/13 13:26	1,9010C/9012A	JO
pH (H)	8.6		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.72	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:07	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05
Client ID: G2_DUP
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06
Client ID: G2_COMP-DUP
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	28		mg/kg	0.88	0.88	1	-	09/18/13 16:45	107,-	JO
Solids, Total	90.6		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/15/13 12:30	09/16/13 13:27	1,9010C/9012A	JO
pH (H)	8.5		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.35	J	mg/kg	0.88	0.20	1	09/13/13 19:30	09/15/13 20:08	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07
Client ID: FB01_091213
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/12/13 11:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/19/13 10:30	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:45	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/13/13 11:45	09/13/13 12:18	1,7196A	JO

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG635886-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/13/13 11:45	09/13/13 12:13	1,7196A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636073-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/13/13 19:30	09/15/13 19:53	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636222-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	09/15/13 12:30	09/16/13 13:22	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG636223-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:40	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636513-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636516-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:40	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG635886-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635913-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636073-2								
Chromium, Hexavalent	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636222-4 WG636222-5								
Cyanide, Total	99		100		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG636223-4 WG636223-5								
Cyanide, Total	96		100		80-120	4		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636513-2								
Cyanide, Reactive	39		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636516-2								
Sulfide, Reactive	107		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635886-4 QC Sample: L1318001-07 Client ID: FB01_091213												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636073-5 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5												
Chromium, Hexavalent	0.74J	1440	1200	84		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636222-3 WG636222-2 QC Sample: L1318024-02 Client ID: MS Sample												
Cyanide, Total	ND	14	14	100		13	96		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG636223-3 WG636223-2 QC Sample: L1318119-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.195	98		0.193	96		80-120	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635886-3 QC Sample: L1318001-07 Client ID: FB01_091213						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635913-2 QC Sample: L1317980-04 Client ID: DUP Sample						
pH	8.0	8.0	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636073-4 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5						
Chromium, Hexavalent	0.74J	0.55J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG636397-1 QC Sample: L1317946-01 Client ID: DUP Sample						
Solids, Total	89.2	89.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636513-3 QC Sample: L1318096-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636516-3 QC Sample: L1318096-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/13/2013 11:26

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-01A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-02A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-02B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-02C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-02X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-03A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-04A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-04B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-04C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-04X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-05A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-06A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-06B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-06C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-06X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-07A	Plastic 500ml HNO3 preserved	A	<2	6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1318001-07B	Amber 1000ml unpreserved	A	7	6	Y	Absent	NYTCL-8082-1200ML(7)
L1318001-07C	Amber 1000ml unpreserved	A	7	6	Y	Absent	HERB-APA(7)
L1318001-07D	Amber 500ml unpreserved	A	N/A	6	Y	Absent	NYTCL-8081(7)
L1318001-07E	Amber 1000ml unpreserved	A	7	6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318001-07F	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-07G	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-07H	Plastic 1000ml unpreserved	A	7	6	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1318001-07I	Plastic 250ml NaOH preserved	A	>12	6	Y	Absent	TCN-9010(14)
L1318001-07J	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08A	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08B	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08C	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08D	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

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GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318001
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil □Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.□

Massachusetts Department of Environmental Protection Certi□icate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: □EPA 200.8 □or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ □EPA 200.7 □or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni□ 245.1, □300.0 □or: Nitrate-N, Fluoride, Sul□ate□□ □EPA 353.2 □or: Nitrate-N, Nitrite-N□□ □SM4500NO3-F □or: Nitrate-N and Nitrite-N□□4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: □EPA 524.2 □or: Trihalomethanes, Volatile Organics□□□504.1 □or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane□, EPA 332. Microbiology Parameters: SM9215B□EN□. SUB. SM9223□ Colilert□T SM9223B□MF-SM9222D.□

*Non-Potable Water (*Inorganic Parameters:, □EPA 200.8 □or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□□EPA 200.7 □or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□□ 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, □EPA 350.1 □or: Ammonia-N□, LACHAT 10-107-06-1-B □or Ammonia-N, SM4500NO3-F, 353.2 □or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: □EPA 624 □or Volatile Halocarbons, Volatile Aromatics□,□608 □or: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs-Water□, □EPA 625 □or SVOC Acid E□tractables and SVOC Base/Neutral E□tractables□, 600/4-81-045-PCB-Oil. Microbiology Parameters: □Colilert□T SM9223B□ Enterolert-□T: SM9222D-MF.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H□B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H□B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.□

Solid & Chemical Materials □Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water □Organic Parameters: **EPA 524.2:** Di-isopropyl ether □DIPE□, Ethyl-t-butyl ether □ETBE□, Tert-amyl methyl ether □TAME□□.

Non-Potable Water □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.□

Solid & Chemical Materials □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.□

New Jersey Department of Environmental Protection Certi□icate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5□E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dio□ane by N□Modi□ied 8270, 8015B, N□EPH.□

Solid & Chemical Materials □Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/20/13 CW

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CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.

Address: 300 W 31st St. 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, TCLP PCBs & Metals, RCRA Chars	TS	SVOCs, PCBs, Pest, Herb, 8082	TPH GRO	NaOH	PCB	Herb	SVOC	Pest 8082	Metals	Sample Specific Comments	TOTAL # BOTTLES
18001-01	G2SB2A (1.0-1.5)	9/12/13	9:00	Soil	NB	X		X									G2_SB-02A_1.0-1.5	4
-02	G2_COMP-02_0-5	9/12/13	9:00	Soil	NB		X		X	X								3
-03	G2SB3A (4.5-5)	9/12/13	11:00	Soil	NB	X		X									G2_SB-03A_4.5-5	4
-04	G2_COMP-03_0-5	9/12/13	11:00	Soil	NB		X		X	X								3
-05	G2_DUP			Soil	NB	X		X										4
-06	G2-COMP-DUP			Soil	NB		X		X	X								3
-07	Field Blank		11:45	AQ	NB						X						FB01_091213	1
-07	Field Blank				NB							X						1
-07	Field Blank				NB								X					1
-07	Field Blank				NB									X				1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9-12-13 1710
[signature]	9/12/13 1930	[signature]	9/12/13 1930
[signature]	9/12/13	[signature]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

revised CW 9/20/13

Serial_No:09231310:48

CHAIN OF CUSTODY

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ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.

Address: 300 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing.

Project Location: Brooklyn, NY

Project #: 170 229 002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCBs	VOC	Hex Chrom.	TCL Metals	Temp B VOC	Temp Blank	Sample Specific Comments	Total # Bottles
18001-01	Field Blank	09/12/13	11:45	HQ	NB	X							1
02	Field Blank				NB		X						1
03	Field Blank				NB			X					1
04	Field Blank				NB				X				1
05	Trip Blank				NB					X		TB01_091213	3
	Temp Blank				NB						X		1

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type	
Preservative	

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[illegible]	9/12/13 1710
[illegible]	9/12/13 1930	[illegible]	9/12/13 1930
[illegible]	9/12/13	[illegible]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.
Address: 300 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, TCLP Chem, TCLP Metals, RCRA 8 Metals	TS	SVOCs, PCBs, Pest, Herb, 8 TAMPO	TPH GRO	NaOH	PCB	Herb	SVOC	Pest	Metals	Sample Specific Comments	TOTAL # BOTTLES
18001-01	G2SB2A (1.0-1.5)	9/12/13	9:00	Soil	NB	X		X										4
-02	G2_COMP-02_0-5	9/12/13	9:00	Soil	NB		X		X	X								3
-03	G2SB3A (4.5-5)	9/12/13	11:00	Soil	NB	X		X										4
-04	G2_COMP-03_0-5	9/12/13	11:00	Soil	NB		X		X	X								3
-05	G2_DUP			Soil	NB	X		X										4
-06	G2-COMP-DUP			Soil	NB		X		X	X								3
-07	Field Blank		11:45	AQ	NB						X							1
-07	Field Blank				NB							X						1
-07	Field Blank				NB								X					1
-07	Field Blank				NB									X				1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9-12-13 1710
[signature]	9/12/13 1930	[signature]	9/12/13 1930
[signature]	9/12/13	[signature]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

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ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.
Address: 300 W 31st St. 8th Floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing.
Project Location: Brooklyn, NY
Project #: 170 229 002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/19/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCBs	VOC	Hex Chrom.	TCL Metals	Temp B VOC	Temp Blank	Sample Specific Comments	Total # Bottles
18001-01	Field Blank	09/12/13	11:45	HQ	NB	X							1
02	Field Blank				NB		X						1
03	Field Blank				NB			X					1
04	Field Blank				NB				X				1
05	Trip Blank				NB					X			3
	Temp Blank				NB						X		1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[illegible]	9/12/13 1710
[illegible]	9/12/13 1930	Tom Fisher	9/12/13 1930
Tom Fisher	9/12/13	[illegible]	9/13/13 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318009
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318009-01	G2_SB-01B_2.5-3	BROOKLYN, NY	09/12/13 12:45
L1318009-02	G2_COMP-01_0-5	BROOKLYN, NY	09/12/13 12:45
L1318009-03	G1_SB-04A_9-9.5	BROOKLYN, NY	09/12/13 14:30
L1318009-04	G1_COMP-04D_5-10	BROOKLYN, NY	09/12/13 14:30
L1318009-05	G1_SB-04A_2-2.5	BROOKLYN, NY	09/12/13 14:30
L1318009-06	G1_COMP-04S_0-5	BROOKLYN, NY	09/12/13 14:30
L1318009-07	G1_SB-03B_4-4.5	BROOKLYN, NY	09/12/13 15:40
L1318009-08	G1_SB-03B_9-9.5	BROOKLYN, NY	09/12/13 15:40
L1318009-09	G1_COMP-03D_5-10	BROOKLYN, NY	09/12/13 15:40
L1318009-10	G1_COMP-03S_0-5	BROOKLYN, NY	09/12/13 15:40

Project Name: GREENPOINT LANDING **Lab Number:** L1318009
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The sample IDs were provided by the client.

Volatile Organics

L1318009-03: The internal standard (IS) response for 1,4-Dichlorobenzene-d4 (29%) and the surrogate recovery for 4-bromofluorobenzene (152%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-Dichlorobenzene-d4 (19%), Toluene-d8 (133%) and 4-bromofluorobenzene (190%). The results of both analyses are reported.

Semivolatile Organics

L1318009-09 has elevated detection limits due to the dilution required by the sample matrix.

L1318009-10 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Pesticides

L1318009-02, -04, -06, -09 and -10 have elevated detection limits due to the dilutions required by the sample matrices.

Herbicides

The WG635979-2 LCS recovery, associated with L1318009-02, -04, -06, -09 and -10, is above the acceptance criteria for 2,4-D (155%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Total Metals

L1318009-02, -04, -06, -09 and -10 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG636660-4 MS recoveries for aluminum (289%), calcium (0%), iron (4620%) and manganese (69%), performed on L1318009-02, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG636660-4 MS recoveries, performed on L1318009-02, are above the acceptance criteria for arsenic (173%), copper (273%) and lead (249%). A post digestion spike was performed with acceptable recoveries for arsenic (90%), copper (91%) and lead (94%).

The WG636660-4 MS recovery, performed on L1318009-02, is below the acceptance criteria for magnesium (0%). A post digestion spike was performed with an unacceptable recovery of 72%. This has been attributed to sample matrix.

The WG636660-3 Laboratory Duplicate RPD, performed on L1318009-02, is outside the acceptance criteria for calcium (47%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-01	Date Collected:	09/12/13 12:45
Client ID:	G2_SB-01B_2.5-3	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 15:43		
Analyst:	PP		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.44	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.1	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.1	0.65	1
Bromoform	ND		ug/kg	5.7	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	0.45	J	ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.1	1.1	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.1	0.34	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-01 Date Collected: 09/12/13 12:45

Client ID: G2_SB-01B_2.5-3 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.15	1
p/m-Xylene	ND		ug/kg	2.8	0.46	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.44	1
Dichlorodifluoromethane	ND		ug/kg	14	0.31	1
Acetone	7.0	J	ug/kg	14	4.4	1
Carbon disulfide	ND		ug/kg	14	2.8	1
2-Butanone	1.2	J	ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.68	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.27	1
Bromochloromethane	ND		ug/kg	7.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.1	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.7	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.1	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.1	0.80	1
o-Chlorotoluene	ND		ug/kg	7.1	0.23	1
p-Chlorotoluene	ND		ug/kg	7.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.1	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.60	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.27	1
Naphthalene	ND		ug/kg	7.1	1.1	1
Acrylonitrile	ND		ug/kg	14	0.34	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.1	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.1	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.1	0.82	1
Methyl Acetate	ND		ug/kg	28	1.1	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	25.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-01	Date Collected:	09/12/13 12:45
Client ID:	G2_SB-01B_2.5-3	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.39	1
p-Diethylbenzene	ND		ug/kg	5.7	0.23	1
p-Ethyltoluene	ND		ug/kg	5.7	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.7	0.18	1
Ethyl ether	ND		ug/kg	7.1	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.1	0.64	1
Methyl cyclohexane	ND		ug/kg	5.7	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 18:18		
Analyst:	PP		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	5.6	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.68	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.96	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.96	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
Methyl Acetate	ND		ug/kg	24	0.93	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.33	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.55	1
Methyl cyclohexane	ND		ug/kg	4.9	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	**152**	Q	70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	R	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 13:58			
Analyst:	PP			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	0.24	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.83	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03 R Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	4.3	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	2.9	J	ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1
Methyl Acetate	ND		ug/kg	21	0.81	1
Cyclohexane	ND		ug/kg	21	1.1	1
1,4-Dioxane	ND		ug/kg	110	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	R	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.12	1
1,2,4,5-Tetramethylbenzene	0.42	J	ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1
Methyl cyclohexane	ND		ug/kg	4.2	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	**133**	Q	70-130
4-Bromofluorobenzene	**190**	Q	70-130
Dibromofluoromethane	107		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-05	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_2-2.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 15:24		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	210	J	ug/kg	800	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	29.	1
Carbon tetrachloride	ND		ug/kg	80	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	80	24.	1
1,1,2-Trichloroethane	ND		ug/kg	120	24.	1
Tetrachloroethene	ND		ug/kg	80	11.	1
Chlorobenzene	ND		ug/kg	80	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.6	1
1,2-Dichloroethane	ND		ug/kg	80	12.	1
1,1,1-Trichloroethane	ND		ug/kg	80	8.8	1
Bromodichloromethane	ND		ug/kg	80	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	80	9.6	1
cis-1,3-Dichloropropene	ND		ug/kg	80	10.	1
1,1-Dichloropropene	ND		ug/kg	400	36.	1
Bromoform	ND		ug/kg	320	33.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	80	14.	1
Benzene	21	J	ug/kg	80	9.4	1
Toluene	47	J	ug/kg	120	8.9	1
Ethylbenzene	15	J	ug/kg	80	12.	1
Chloromethane	ND		ug/kg	400	62.	1
Bromomethane	63	J	ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	25.	1
1,1-Dichloroethene	ND		ug/kg	80	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	ND		ug/kg	80	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	14.	1
1,3-Dichlorobenzene	ND		ug/kg	400	14.	1
1,4-Dichlorobenzene	ND		ug/kg	400	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_2-2.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.3	1
p/m-Xylene	66	J	ug/kg	160	26.	1
o-Xylene	ND		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	80	12.	1
Dibromomethane	ND		ug/kg	800	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	800	17.	1
Acetone	ND		ug/kg	800	250	1
Carbon disulfide	ND		ug/kg	800	160	1
2-Butanone	ND		ug/kg	800	28.	1
Vinyl acetate	ND		ug/kg	800	38.	1
4-Methyl-2-pentanone	ND		ug/kg	800	19.	1
1,2,3-Trichloropropane	ND		ug/kg	800	18.	1
2-Hexanone	ND		ug/kg	800	15.	1
Bromochloromethane	ND		ug/kg	400	16.	1
2,2-Dichloropropane	ND		ug/kg	400	18.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
1,3-Dichloropropane	ND		ug/kg	400	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	80	25.	1
Bromobenzene	ND		ug/kg	400	16.	1
n-Butylbenzene	ND		ug/kg	80	16.	1
sec-Butylbenzene	ND		ug/kg	80	16.	1
tert-Butylbenzene	ND		ug/kg	400	44.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	63.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	18	J	ug/kg	80	13.	1
p-Isopropyltoluene	ND		ug/kg	80	15.	1
Naphthalene	780		ug/kg	400	61.	1
Acrylonitrile	ND		ug/kg	800	19.	1
n-Propylbenzene	ND		ug/kg	80	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	63.	1
1,3,5-Trimethylbenzene	67	J	ug/kg	400	11.	1
1,2,4-Trimethylbenzene	59	J	ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	61.	1
Cyclohexane	ND		ug/kg	1600	85.	1
1,4-Dioxane	ND		ug/kg	8000	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_2-2.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	77	J	ug/kg	320	13.	1
p-Ethyltoluene	37	J	ug/kg	320	9.3	1
1,2,4,5-Tetramethylbenzene	49	J	ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	130	J	ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	91		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-07	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_4-4.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 14:34		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	810	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	30.	1
Carbon tetrachloride	ND		ug/kg	81	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	81	25.	1
1,1,2-Trichloroethane	ND		ug/kg	120	25.	1
Tetrachloroethene	ND		ug/kg	81	11.	1
Chlorobenzene	ND		ug/kg	81	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.8	1
1,2-Dichloroethane	1100		ug/kg	81	12.	1
1,1,1-Trichloroethane	ND		ug/kg	81	9.0	1
Bromodichloromethane	ND		ug/kg	81	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	81	9.8	1
cis-1,3-Dichloropropene	ND		ug/kg	81	10.	1
1,1-Dichloropropene	ND		ug/kg	400	37.	1
Bromoform	ND		ug/kg	320	34.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	81	14.	1
Benzene	17	J	ug/kg	81	9.6	1
Toluene	67	J	ug/kg	120	9.1	1
Ethylbenzene	ND		ug/kg	81	12.	1
Chloromethane	ND		ug/kg	400	64.	1
Bromomethane	ND		ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	26.	1
1,1-Dichloroethene	ND		ug/kg	81	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	22	J	ug/kg	81	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	15.	1
1,3-Dichlorobenzene	ND		ug/kg	400	15.	1
1,4-Dichlorobenzene	ND		ug/kg	400	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-07 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_4-4.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.4	1
p/m-Xylene	51	J	ug/kg	160	26.	1
o-Xylene	ND		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	81	12.	1
Dibromomethane	ND		ug/kg	810	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	810	18.	1
Acetone	260	J	ug/kg	810	250	1
Carbon disulfide	ND		ug/kg	810	160	1
2-Butanone	ND		ug/kg	810	29.	1
Vinyl acetate	ND		ug/kg	810	39.	1
4-Methyl-2-pentanone	ND		ug/kg	810	20.	1
1,2,3-Trichloropropane	ND		ug/kg	810	18.	1
2-Hexanone	ND		ug/kg	810	15.	1
Bromochloromethane	ND		ug/kg	400	16.	1
2,2-Dichloropropane	ND		ug/kg	400	18.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
1,3-Dichloropropane	ND		ug/kg	400	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	81	26.	1
Bromobenzene	ND		ug/kg	400	17.	1
n-Butylbenzene	ND		ug/kg	81	16.	1
sec-Butylbenzene	ND		ug/kg	81	17.	1
tert-Butylbenzene	ND		ug/kg	400	45.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	64.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	ND		ug/kg	81	14.	1
p-Isopropyltoluene	ND		ug/kg	81	16.	1
Naphthalene	65	J	ug/kg	400	62.	1
Acrylonitrile	ND		ug/kg	810	19.	1
n-Propylbenzene	ND		ug/kg	81	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	64.	1
1,3,5-Trimethylbenzene	35	J	ug/kg	400	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	62.	1
Cyclohexane	93	J	ug/kg	1600	87.	1
1,4-Dioxane	ND		ug/kg	8100	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-07	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_4-4.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	23	J	ug/kg	320	13.	1
p-Ethyltoluene	ND		ug/kg	320	9.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	320		ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-08	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 11:20		
Analyst:	PP		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.27	1
Chloroform	ND		ug/kg	2.2	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.46	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.5	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.5	0.68	1
Bromoform	ND		ug/kg	6.0	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.26	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.5	1.2	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.32	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	7.5	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.16	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.33	1
Acetone	6.5	J	ug/kg	15	4.7	1
Carbon disulfide	ND		ug/kg	15	3.0	1
2-Butanone	ND		ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.72	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.34	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	7.5	0.34	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.5	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.5	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.30	1
sec-Butylbenzene	ND		ug/kg	1.5	0.31	1
tert-Butylbenzene	ND		ug/kg	7.5	0.84	1
o-Chlorotoluene	ND		ug/kg	7.5	0.24	1
p-Chlorotoluene	ND		ug/kg	7.5	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.29	1
Naphthalene	ND		ug/kg	7.5	1.2	1
Acrylonitrile	ND		ug/kg	15	0.36	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.5	0.86	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.41	1
p-Diethylbenzene	ND		ug/kg	6.0	0.24	1
p-Ethyltoluene	ND		ug/kg	6.0	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.20	1
Ethyl ether	ND		ug/kg	7.5	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	0.67	1
Methyl cyclohexane	ND		ug/kg	6.0	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	19	J	ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
Methylene chloride	2.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
Methylene chloride	97		90		70-130	7		30
1,1-Dichloroethane	90		85		70-130	6		30
Chloroform	89		84		70-130	6		30
Carbon tetrachloride	94		90		70-130	4		30
1,2-Dichloropropane	89		85		70-130	5		30
Dibromochloromethane	98		95		70-130	3		30
1,1,2-Trichloroethane	97		94		70-130	3		30
Tetrachloroethene	103		97		70-130	6		30
Chlorobenzene	98		95		70-130	3		30
Trichlorofluoromethane	86		81		70-139	6		30
1,2-Dichloroethane	87		85		70-130	2		30
1,1,1-Trichloroethane	92		87		70-130	6		30
Bromodichloromethane	88		84		70-130	5		30
trans-1,3-Dichloropropene	95		92		70-130	3		30
cis-1,3-Dichloropropene	85		82		70-130	4		30
1,1-Dichloropropene	89		84		70-130	6		30
Bromoform	99		96		70-130	3		30
1,1,2,2-Tetrachloroethane	97		94		70-130	3		30
Benzene	91		86		70-130	6		30
Toluene	102		95		70-130	7		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
Chloromethane	102		88		52-130	15		30
Bromomethane	87		84		57-147	4		30
Vinyl chloride	86		80		67-130	7		30
Chloroethane	89		82		50-151	8		30
1,1-Dichloroethene	92		86		65-135	7		30
trans-1,2-Dichloroethene	92		87		70-130	6		30
Trichloroethene	91		87		70-130	4		30
1,2-Dichlorobenzene	100		98		70-130	2		30
1,3-Dichlorobenzene	101		97		70-130	4		30
1,4-Dichlorobenzene	100		97		70-130	3		30
Methyl tert butyl ether	86		84		66-130	2		30
p/m-Xylene	100		96		70-130	4		30
o-Xylene	100		95		70-130	5		30
cis-1,2-Dichloroethene	89		86		70-130	3		30
Dibromomethane	89		85		70-130	5		30
Styrene	100		96		70-130	4		30
Dichlorodifluoromethane	84		79		30-146	6		30
Acetone	99		73		54-140	30		30
Carbon disulfide	93		84		59-130	10		30
2-Butanone	101		86		70-130	16		30
Vinyl acetate	82		79		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
4-Methyl-2-pentanone	86		83		70-130	4		30
1,2,3-Trichloropropane	97		94		68-130	3		30
2-Hexanone	96		87		70-130	10		30
Bromochloromethane	91		88		70-130	3		30
2,2-Dichloropropane	93		87		70-130	7		30
1,2-Dibromoethane	96		94		70-130	2		30
1,3-Dichloropropane	95		92		69-130	3		30
1,1,1,2-Tetrachloroethane	98		95		70-130	3		30
Bromobenzene	98		94		70-130	4		30
n-Butylbenzene	102		97		70-130	5		30
sec-Butylbenzene	100		96		70-130	4		30
tert-Butylbenzene	101		96		70-130	5		30
o-Chlorotoluene	100		97		70-130	3		30
p-Chlorotoluene	98		94		70-130	4		30
1,2-Dibromo-3-chloropropane	98		96		68-130	2		30
Hexachlorobutadiene	100		98		67-130	2		30
Isopropylbenzene	98		93		70-130	5		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	95		93		70-130	2		30
Acrylonitrile	92		88		70-130	4		30
Isopropyl Ether	85		83		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
tert-Butyl Alcohol	94		88		70-130	7		30
n-Propylbenzene	99		94		70-130	5		30
1,2,3-Trichlorobenzene	98		97		70-130	1		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	101		96		70-130	5		30
1,2,4-Trimethylbenzene	102		97		70-130	5		30
Methyl Acetate	91		87		51-146	4		30
Ethyl Acetate	84		85		70-130	1		30
Acrolein	99		91		70-130	8		30
Cyclohexane	86		79		59-142	8		30
1,4-Dioxane	93		90		65-136	3		30
Freon-113	84		79		50-139	6		30
p-Diethylbenzene	102		98		70-130	4		30
p-Ethyltoluene	100		95		70-130	5		30
1,2,4,5-Tetramethylbenzene	100		96		70-130	4		30
Tetrahydrofuran	86		82		66-130	5		30
Ethyl ether	78		74		67-130	5		30
trans-1,4-Dichloro-2-butene	96		95		70-130	1		30
Methyl cyclohexane	83		76		70-130	9		30
Ethyl-Tert-Butyl-Ether	86		84		70-130	2		30
Tertiary-Amyl Methyl Ether	87		85		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
Freon-113	85		79		50-139	7		30
p-Diethylbenzene	102		97		70-130	5		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	91		84		70-130	8		30
1,2-Dichloropropane	92		87		70-130	6		30
Dibromochloromethane	89		84		70-130	6		30
1,1,2-Trichloroethane	92		86		70-130	7		30
Tetrachloroethene	91		84		70-130	8		30
Chlorobenzene	91		85		70-130	7		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	94		89		70-130	5		30
1,1,1-Trichloroethane	92		86		70-130	7		30
Bromodichloromethane	92		85		70-130	8		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	89		84		70-130	6		30
1,1-Dichloropropene	92		84		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	92		85		70-130	8		30
Toluene	91		83		70-130	9		30
Ethylbenzene	92		84		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
Chloromethane	89		80		52-130	11		30
Bromomethane	99		88		57-147	12		30
Vinyl chloride	91		82		67-130	10		30
Chloroethane	116		102		50-151	13		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	92		84		70-130	9		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	90		86		70-130	5		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	93		87		70-130	7		30
cis-1,2-Dichloroethene	93		86		70-130	8		30
Dibromomethane	92		88		70-130	4		30
Styrene	95		88		70-130	8		30
Dichlorodifluoromethane	77		70		30-146	10		30
Acetone	133		114		54-140	15		30
Carbon disulfide	91		83		59-130	9		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	85		80		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
4-Methyl-2-pentanone	90		88		70-130	2		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	95		91		70-130	4		30
2,2-Dichloropropane	94		86		70-130	9		30
1,2-Dibromoethane	90		85		70-130	6		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	89		85		70-130	5		30
tert-Butylbenzene	89		86		70-130	3		30
o-Chlorotoluene	73		86		70-130	16		30
p-Chlorotoluene	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	80		85		68-130	6		30
Hexachlorobutadiene	87		81		67-130	7		30
Isopropylbenzene	91		86		70-130	6		30
p-Isopropyltoluene	91		86		70-130	6		30
Naphthalene	92		88		70-130	4		30
Acrylonitrile	94		88		70-130	7		30
Isopropyl Ether	95		90		66-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	90		86		70-130	5		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	94		90		70-130	4		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	91		88		70-130	3		30
Methyl Acetate	90		89		51-146	1		30
Ethyl Acetate	93		89		70-130	4		30
Acrolein	89		82		70-130	8		30
Cyclohexane	86		78		59-142	10		30
1,4-Dioxane	88		85		65-136	3		30
Freon-113	82		74		50-139	10		30
p-Diethylbenzene	91		87		70-130	4		30
p-Ethyltoluene	91		87		70-130	4		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	92		88		67-130	4		30
trans-1,4-Dichloro-2-butene	89		85		70-130	5		30
Methyl cyclohexane	80		74		70-130	8		30
Ethyl-Tert-Butyl-Ether	93		89		70-130	4		30
Tertiary-Amyl Methyl Ether	93		88		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
Freon-113	89		88		50-139	1		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
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Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
Freon-113	85		83		50-139	2		30
p-Diethylbenzene	94		94		70-130	0		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
Methylene chloride	104		105		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		102		70-130	3		30
1,2-Dichloropropane	100		103		70-130	3		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	106		105		70-139	1		30
1,2-Dichloroethane	102		104		70-130	2		30
1,1,1-Trichloroethane	102		102		70-130	0		30
Bromodichloromethane	99		103		70-130	4		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	94		97		70-130	3		30
1,1-Dichloropropene	101		102		70-130	1		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	90		92		70-130	2		30
Benzene	102		103		70-130	1		30
Toluene	96		97		70-130	1		30
Ethylbenzene	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
Chloromethane	99		99		52-130	0		30
Bromomethane	115		113		57-147	2		30
Vinyl chloride	101		101		67-130	0		30
Chloroethane	122		126		50-151	3		30
1,1-Dichloroethene	101		98		65-135	3		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	97		100		66-130	3		30
p/m-Xylene	99		100		70-130	1		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	100		102		70-130	2		30
Styrene	100		101		70-130	1		30
Dichlorodifluoromethane	93		93		30-146	0		30
Acetone	**143**	Q	138		54-140	4		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	**132**	Q	**132**	Q	70-130	0		30
Vinyl acetate	91		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	106		105		70-130	1		30
Bromochloromethane	106		105		70-130	1		30
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	92		96		70-130	4		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	94		95		70-130	1		30
Bromobenzene	97		98		70-130	1		30
n-Butylbenzene	100		100		70-130	0		30
sec-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	99		98		70-130	1		30
1,2-Dibromo-3-chloropropane	86		84		68-130	2		30
Hexachlorobutadiene	98		98		67-130	0		30
Isopropylbenzene	98		98		70-130	0		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	101		102		70-130	1		30
Isopropyl Ether	105		106		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
tert-Butyl Alcohol	87		90		70-130	3		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	98		99		70-130	1		30
Methyl Acetate	100		98		51-146	2		30
Ethyl Acetate	97		99		70-130	2		30
Acrolein	95		95		70-130	0		30
Cyclohexane	102		100		59-142	2		30
1,4-Dioxane	94		97		65-136	3		30
Freon-113	100		98		50-139	2		30
p-Diethylbenzene	100		100		70-130	0		30
p-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		30
Tetrahydrofuran	102		96		66-130	6		30
Ethyl ether	101		100		67-130	1		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30
Methyl cyclohexane	98		98		70-130	0		30
Ethyl-Tert-Butyl-Ether	102		101		70-130	1		30
Tertiary-Amyl Methyl Ether	97		99		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 09:58			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1300		ug/kg	580	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	200	4
2-Chloronaphthalene	ND		ug/kg	730	240	4
1,2-Dichlorobenzene	ND		ug/kg	730	240	4
1,3-Dichlorobenzene	ND		ug/kg	730	230	4
1,4-Dichlorobenzene	ND		ug/kg	730	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	190	4
2,4-Dinitrotoluene	ND		ug/kg	730	160	4
2,6-Dinitrotoluene	ND		ug/kg	730	190	4
Fluoranthene	18000		ug/kg	440	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	730	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	880	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	970		ug/kg	730	240	4
Nitrobenzene	ND		ug/kg	660	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	730	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	190	4
Butyl benzyl phthalate	ND		ug/kg	730	140	4
Di-n-butylphthalate	ND		ug/kg	730	140	4
Di-n-octylphthalate	ND		ug/kg	730	180	4
Diethyl phthalate	ND		ug/kg	730	150	4
Dimethyl phthalate	ND		ug/kg	730	180	4
Benzo(a)anthracene	8700		ug/kg	440	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02 D Date Collected: 09/12/13 12:45

Client ID: G2_COMP-01_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8600		ug/kg	580	180	4
Benzo(b)fluoranthene	10000		ug/kg	440	150	4
Benzo(k)fluoranthene	3600		ug/kg	440	140	4
Chrysene	8700		ug/kg	440	140	4
Acenaphthylene	580		ug/kg	580	140	4
Anthracene	3800		ug/kg	440	120	4
Benzo(ghi)perylene	5400		ug/kg	580	150	4
Fluorene	1600		ug/kg	730	210	4
Phenanthrene	12000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1400		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	6000		ug/kg	580	160	4
Pyrene	16000		ug/kg	440	140	4
Biphenyl	240	J	ug/kg	1700	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	200	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	1400		ug/kg	730	240	4
2-Methylnaphthalene	490	J	ug/kg	880	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	230	4
Acetophenone	ND		ug/kg	730	230	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	730	210	4
2-Chlorophenol	ND		ug/kg	730	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	730	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3500	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	580	160	4
Phenol	ND		ug/kg	730	220	4
2-Methylphenol	ND		ug/kg	730	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	730	240	4
Benzoic Acid	1500	J	ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	220	4
Carbazole	1000		ug/kg	730	160	4
Benzaldehyde	ND		ug/kg	960	290	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02 D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	730	200	4
Atrazine	ND		ug/kg	580	160	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	730	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	94		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 10:23		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		ug/kg	620	160	4
1,2,4-Trichlorobenzene	ND		ug/kg	780	260	4
Hexachlorobenzene	ND		ug/kg	470	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	700	220	4
2-Chloronaphthalene	ND		ug/kg	780	250	4
1,2-Dichlorobenzene	ND		ug/kg	780	260	4
1,3-Dichlorobenzene	ND		ug/kg	780	250	4
1,4-Dichlorobenzene	ND		ug/kg	780	240	4
3,3'-Dichlorobenzidine	ND		ug/kg	780	210	4
2,4-Dinitrotoluene	ND		ug/kg	780	170	4
2,6-Dinitrotoluene	ND		ug/kg	780	200	4
Fluoranthene	20000		ug/kg	470	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	780	240	4
4-Bromophenyl phenyl ether	ND		ug/kg	780	180	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	940	280	4
Bis(2-chloroethoxy)methane	ND		ug/kg	840	240	4
Hexachlorobutadiene	ND		ug/kg	780	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	500	4
Hexachloroethane	ND		ug/kg	620	140	4
Isophorone	ND		ug/kg	700	210	4
Naphthalene	400	J	ug/kg	780	260	4
Nitrobenzene	ND		ug/kg	700	190	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	620	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	780	230	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	780	200	4
Butyl benzyl phthalate	ND		ug/kg	780	150	4
Di-n-butylphthalate	ND		ug/kg	780	150	4
Di-n-octylphthalate	ND		ug/kg	780	190	4
Diethyl phthalate	ND		ug/kg	780	160	4
Dimethyl phthalate	ND		ug/kg	780	200	4
Benzo(a)anthracene	8500		ug/kg	470	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04 D Date Collected: 09/12/13 14:30

Client ID: G1_COMP-04D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8100		ug/kg	620	190	4
Benzo(b)fluoranthene	9500		ug/kg	470	160	4
Benzo(k)fluoranthene	3100		ug/kg	470	150	4
Chrysene	9600		ug/kg	470	150	4
Acenaphthylene	280	J	ug/kg	620	150	4
Anthracene	4200		ug/kg	470	130	4
Benzo(ghi)perylene	4900		ug/kg	620	160	4
Fluorene	1800		ug/kg	780	220	4
Phenanthrene	17000		ug/kg	470	150	4
Dibenzo(a,h)anthracene	1200		ug/kg	470	150	4
Indeno(1,2,3-cd)Pyrene	5200		ug/kg	620	170	4
Pyrene	20000		ug/kg	470	150	4
Biphenyl	ND		ug/kg	1800	260	4
4-Chloroaniline	ND		ug/kg	780	210	4
2-Nitroaniline	ND		ug/kg	780	220	4
3-Nitroaniline	ND		ug/kg	780	220	4
4-Nitroaniline	ND		ug/kg	780	210	4
Dibenzofuran	840		ug/kg	780	260	4
2-Methylnaphthalene	250	J	ug/kg	940	250	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	780	240	4
Acetophenone	ND		ug/kg	780	240	4
2,4,6-Trichlorophenol	ND		ug/kg	470	150	4
P-Chloro-M-Cresol	ND		ug/kg	780	230	4
2-Chlorophenol	ND		ug/kg	780	240	4
2,4-Dichlorophenol	ND		ug/kg	700	250	4
2,4-Dimethylphenol	ND		ug/kg	780	230	4
2-Nitrophenol	ND		ug/kg	1700	240	4
4-Nitrophenol	ND		ug/kg	1100	250	4
2,4-Dinitrophenol	ND		ug/kg	3800	1100	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	290	4
Pentachlorophenol	ND		ug/kg	620	170	4
Phenol	ND		ug/kg	780	230	4
2-Methylphenol	ND		ug/kg	780	250	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	260	4
2,4,5-Trichlorophenol	ND		ug/kg	780	250	4
Benzoic Acid	ND		ug/kg	2500	790	4
Benzyl Alcohol	ND		ug/kg	780	240	4
Carbazole	1200		ug/kg	780	170	4
Benzaldehyde	ND		ug/kg	1000	320	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04 D
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	780	220	4
Atrazine	ND		ug/kg	620	180	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	780	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	97		0-136
4-Terphenyl-d14	97		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/18/13 23:18		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	550		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	6300		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	810		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	330		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	50	J	ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	3100		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06 Date Collected: 09/12/13 14:30

Client ID: G1_COMP-04S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2700		ug/kg	160	48.	1
Benzo(b)fluoranthene	3400		ug/kg	120	40.	1
Benzo(k)fluoranthene	1200		ug/kg	120	37.	1
Chrysene	2900		ug/kg	120	38.	1
Acenaphthylene	110	J	ug/kg	160	37.	1
Anthracene	1800		ug/kg	120	32.	1
Benzo(ghi)perylene	1500		ug/kg	160	41.	1
Fluorene	780		ug/kg	200	56.	1
Phenanthrene	6000		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	440		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	160	43.	1
Pyrene	5000		ug/kg	120	38.	1
Biphenyl	120	J	ug/kg	450	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	650		ug/kg	200	65.	1
2-Methylnaphthalene	410		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	540		ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	87		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 10:47		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	700		ug/kg	320	83.	2
1,2,4-Trichlorobenzene	ND		ug/kg	400	130	2
Hexachlorobenzene	ND		ug/kg	240	75.	2
Bis(2-chloroethyl)ether	ND		ug/kg	360	110	2
2-Chloronaphthalene	ND		ug/kg	400	130	2
1,2-Dichlorobenzene	ND		ug/kg	400	130	2
1,3-Dichlorobenzene	ND		ug/kg	400	130	2
1,4-Dichlorobenzene	ND		ug/kg	400	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	400	110	2
2,4-Dinitrotoluene	ND		ug/kg	400	87.	2
2,6-Dinitrotoluene	ND		ug/kg	400	100	2
Fluoranthene	7700		ug/kg	240	74.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	400	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	400	92.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	480	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	430	120	2
Hexachlorobutadiene	ND		ug/kg	400	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1200	260	2
Hexachloroethane	ND		ug/kg	320	73.	2
Isophorone	ND		ug/kg	360	110	2
Naphthalene	360	J	ug/kg	400	130	2
Nitrobenzene	ND		ug/kg	360	96.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	320	84.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	400	120	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	400	100	2
Butyl benzyl phthalate	ND		ug/kg	400	78.	2
Di-n-butylphthalate	ND		ug/kg	400	78.	2
Di-n-octylphthalate	ND		ug/kg	400	99.	2
Diethyl phthalate	ND		ug/kg	400	85.	2
Dimethyl phthalate	ND		ug/kg	400	100	2
Benzo(a)anthracene	3100		ug/kg	240	79.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2700		ug/kg	320	98.	2
Benzo(b)fluoranthene	3400		ug/kg	240	81.	2
Benzo(k)fluoranthene	1300		ug/kg	240	77.	2
Chrysene	3300		ug/kg	240	79.	2
Acenaphthylene	150	J	ug/kg	320	75.	2
Anthracene	2000		ug/kg	240	67.	2
Benzo(ghi)perylene	1600		ug/kg	320	84.	2
Fluorene	880		ug/kg	400	120	2
Phenanthrene	7900		ug/kg	240	78.	2
Dibenzo(a,h)anthracene	440		ug/kg	240	78.	2
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	320	89.	2
Pyrene	6500		ug/kg	240	78.	2
Biphenyl	ND		ug/kg	920	130	2
4-Chloroaniline	ND		ug/kg	400	110	2
2-Nitroaniline	ND		ug/kg	400	110	2
3-Nitroaniline	ND		ug/kg	400	110	2
4-Nitroaniline	ND		ug/kg	400	110	2
Dibenzofuran	630		ug/kg	400	130	2
2-Methylnaphthalene	270	J	ug/kg	480	130	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	400	120	2
Acetophenone	ND		ug/kg	400	120	2
2,4,6-Trichlorophenol	ND		ug/kg	240	76.	2
P-Chloro-M-Cresol	ND		ug/kg	400	120	2
2-Chlorophenol	ND		ug/kg	400	120	2
2,4-Dichlorophenol	ND		ug/kg	360	130	2
2,4-Dimethylphenol	ND		ug/kg	400	120	2
2-Nitrophenol	ND		ug/kg	870	120	2
4-Nitrophenol	ND		ug/kg	560	130	2
2,4-Dinitrophenol	ND		ug/kg	1900	550	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	150	2
Pentachlorophenol	ND		ug/kg	320	86.	2
Phenol	ND		ug/kg	400	120	2
2-Methylphenol	ND		ug/kg	400	130	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	580	130	2
2,4,5-Trichlorophenol	ND		ug/kg	400	130	2
Benzoic Acid	ND		ug/kg	1300	410	2
Benzyl Alcohol	ND		ug/kg	400	120	2
Carbazole	480		ug/kg	400	86.	2
Benzaldehyde	ND		ug/kg	530	160	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	400	110	2
Atrazine	ND		ug/kg	320	91.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	400	68.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	92		0-136
4-Terphenyl-d14	84		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 00:10		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1000		ug/kg	600	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	750	240	4
Hexachlorobenzene	ND		ug/kg	450	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	670	210	4
2-Chloronaphthalene	ND		ug/kg	750	240	4
1,2-Dichlorobenzene	ND		ug/kg	750	250	4
1,3-Dichlorobenzene	ND		ug/kg	750	240	4
1,4-Dichlorobenzene	ND		ug/kg	750	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	750	200	4
2,4-Dinitrotoluene	ND		ug/kg	750	160	4
2,6-Dinitrotoluene	ND		ug/kg	750	190	4
Fluoranthene	10000		ug/kg	450	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	750	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	750	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	900	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	810	230	4
Hexachlorobutadiene	ND		ug/kg	750	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	480	4
Hexachloroethane	ND		ug/kg	600	140	4
Isophorone	ND		ug/kg	670	200	4
Naphthalene	810		ug/kg	750	250	4
Nitrobenzene	ND		ug/kg	670	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	600	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	750	220	4
Bis(2-Ethylhexyl)phthalate	400	J	ug/kg	750	200	4
Butyl benzyl phthalate	ND		ug/kg	750	150	4
Di-n-butylphthalate	ND		ug/kg	750	140	4
Di-n-octylphthalate	ND		ug/kg	750	180	4
Diethyl phthalate	ND		ug/kg	750	160	4
Dimethyl phthalate	ND		ug/kg	750	190	4
Benzo(a)anthracene	4900		ug/kg	450	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	4100		ug/kg	600	180	4
Benzo(b)fluoranthene	5000		ug/kg	450	150	4
Benzo(k)fluoranthene	2000		ug/kg	450	140	4
Chrysene	4700		ug/kg	450	150	4
Acenaphthylene	140	J	ug/kg	600	140	4
Anthracene	2600		ug/kg	450	120	4
Benzo(ghi)perylene	2200		ug/kg	600	160	4
Fluorene	1100		ug/kg	750	210	4
Phenanthrene	9800		ug/kg	450	150	4
Dibenzo(a,h)anthracene	660		ug/kg	450	140	4
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	600	170	4
Pyrene	8400		ug/kg	450	140	4
Biphenyl	ND		ug/kg	1700	250	4
4-Chloroaniline	ND		ug/kg	750	200	4
2-Nitroaniline	ND		ug/kg	750	210	4
3-Nitroaniline	ND		ug/kg	750	210	4
4-Nitroaniline	ND		ug/kg	750	200	4
Dibenzofuran	730	J	ug/kg	750	250	4
2-Methylnaphthalene	370	J	ug/kg	900	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	750	230	4
Acetophenone	ND		ug/kg	750	230	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
P-Chloro-M-Cresol	ND		ug/kg	750	220	4
2-Chlorophenol	ND		ug/kg	750	230	4
2,4-Dichlorophenol	ND		ug/kg	670	240	4
2,4-Dimethylphenol	ND		ug/kg	750	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	600	160	4
Phenol	ND		ug/kg	750	220	4
2-Methylphenol	ND		ug/kg	750	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	240	4
2,4,5-Trichlorophenol	ND		ug/kg	750	240	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	750	230	4
Carbazole	760		ug/kg	750	160	4
Benzaldehyde	ND		ug/kg	990	300	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	750	210	4
Atrazine	ND		ug/kg	600	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	750	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	64		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	44.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	220	52.
2,4-Dinitrophenol	ND		ug/kg	770	220

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	34.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	44.
Atrazine	ND		ug/kg	130	36.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Acenaphthene	90		101		31-137	12		50
1,2,4-Trichlorobenzene	72		88		38-107	20		50
Hexachlorobenzene	106		110		40-140	4		50
Bis(2-chloroethyl)ether	66		84		40-140	24		50
2-Chloronaphthalene	89		105		40-140	16		50
1,2-Dichlorobenzene	66		84		40-140	24		50
1,3-Dichlorobenzene	64		84		40-140	27		50
1,4-Dichlorobenzene	64		84		28-104	27		50
3,3'-Dichlorobenzidine	91		81		40-140	12		50
2,4-Dinitrotoluene	**109**	Q	**115**	Q	28-89	5		50
2,6-Dinitrotoluene	108		116		40-140	7		50
Fluoranthene	106		111		40-140	5		50
4-Chlorophenyl phenyl ether	98		106		40-140	8		50
4-Bromophenyl phenyl ether	107		112		40-140	5		50
Bis(2-chloroisopropyl)ether	66		83		40-140	23		50
Bis(2-chloroethoxy)methane	74		91		40-117	21		50
Hexachlorobutadiene	71		87		40-140	20		50
Hexachlorocyclopentadiene	**27**	Q	**39**	Q	40-140	36		50
Hexachloroethane	58		77		40-140	28		50
Isophorone	80		98		40-140	20		50
Naphthalene	73		89		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
Nitrobenzene	70		87		40-140	22		50
NitrosoDiPhenylAmine(NDPA)/DPA	107		111			4		50
n-Nitrosodi-n-propylamine	73		90		32-121	21		50
Bis(2-Ethylhexyl)phthalate	114		115		40-140	1		50
Butyl benzyl phthalate	109		114		40-140	4		50
Di-n-butylphthalate	106		110		40-140	4		50
Di-n-octylphthalate	122		125		40-140	2		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	98		104		40-140	6		50
Benzo(a)anthracene	105		108		40-140	3		50
Benzo(a)pyrene	110		112		40-140	2		50
Benzo(b)fluoranthene	110		114		40-140	4		50
Benzo(k)fluoranthene	104		107		40-140	3		50
Chrysene	105		109		40-140	4		50
Acenaphthylene	97		111		40-140	13		50
Anthracene	109		112		40-140	3		50
Benzo(ghi)perylene	101		105		40-140	4		50
Fluorene	100		108		40-140	8		50
Phenanthrene	101		105		40-140	4		50
Dibenzo(a,h)anthracene	105		109		40-140	4		50
Indeno(1,2,3-cd)Pyrene	107		111		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
Pyrene	104		111		35-142	7		50
Biphenyl	85		98			14		50
4-Chloroaniline	56		51		40-140	9		50
2-Nitroaniline	115		124		47-134	8		50
3-Nitroaniline	83		78		26-129	6		50
4-Nitroaniline	96		99		41-125	3		50
Dibenzofuran	93		104		40-140	11		50
2-Methylnaphthalene	81		97		40-140	18		50
1,2,4,5-Tetrachlorobenzene	81		96		40-117	17		50
Acetophenone	79		98		14-144	21		50
2,4,6-Trichlorophenol	108		122		30-130	12		50
P-Chloro-M-Cresol	**108**	Q	**119**	Q	26-103	10		50
2-Chlorophenol	74		93		25-102	23		50
2,4-Dichlorophenol	91		108		30-130	17		50
2,4-Dimethylphenol	94		114		30-130	19		50
2-Nitrophenol	80		100		30-130	22		50
4-Nitrophenol	114		**119**	Q	11-114	4		50
2,4-Dinitrophenol	43		49		4-130	13		50
4,6-Dinitro-o-cresol	46		50		10-130	8		50
Pentachlorophenol	97		103		17-109	6		50
Phenol	74		90		26-90	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
2-Methylphenol	83		100		30-130.	19		50
3-Methylphenol/4-Methylphenol	86		102		30-130	17		50
2,4,5-Trichlorophenol	110		123		30-130	11		50
Benzoic Acid	51		58			13		50
Benzyl Alcohol	75		92		40-140	20		50
Carbazole	106		110		54-128	4		50
Benzaldehyde	63		83			27		50
Caprolactam	108		115			6		50
Atrazine	117		114			3		50
2,3,4,6-Tetrachlorophenol	112		118			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		88		25-120
Phenol-d6	78		92		10-120
Nitrobenzene-d5	71		86		23-120
2-Fluorobiphenyl	85		99		30-120
2,4,6-Tribromophenol	113		114		0-136
4-Terphenyl-d14	92		94		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 19:10		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 12:15
Analytical Date:	09/17/13 23:12			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	653000		ug/kg	70700	6920	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 19:51		
Analyst:	GT		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1800	J	ug/kg	3000	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 02:03		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	254000		ug/kg	37900	3710	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 17:08		
Analyst:	GT		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 21:55		
Analyst:	AR		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	396000		ug/kg	38200	3740	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 20:31		
Analyst:	GT		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1900	J	ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 22:26		
Analyst:	AR		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	162000		ug/kg	39400	3860	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:12		
Analyst:	GT		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/17/13 23:43		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1210000		ug/kg	368000	36000	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 16:27
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636621-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	87		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636621-1 WG636621-2								
Gasoline Range Organics	115		108		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	112		111		70-130
4-Bromofluorobenzene	111		112		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 02:36	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	7.02	1	A
Aroclor 1221	ND		ug/kg	35.6	10.7	1	A
Aroclor 1232	ND		ug/kg	35.6	7.55	1	A
Aroclor 1242	ND		ug/kg	35.6	6.75	1	A
Aroclor 1248	ND		ug/kg	35.6	4.30	1	A
Aroclor 1254	ND		ug/kg	35.6	5.60	1	A
Aroclor 1260	ND		ug/kg	35.6	6.17	1	A
Aroclor 1262	ND		ug/kg	35.6	2.63	1	A
Aroclor 1268	ND		ug/kg	35.6	5.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 02:48	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	7.57	1	A
Aroclor 1221	ND		ug/kg	38.3	11.6	1	A
Aroclor 1232	ND		ug/kg	38.3	8.14	1	A
Aroclor 1242	ND		ug/kg	38.3	7.27	1	A
Aroclor 1248	ND		ug/kg	38.3	4.64	1	A
Aroclor 1254	ND		ug/kg	38.3	6.04	1	A
Aroclor 1260	12.3	J	ug/kg	38.3	6.65	1	B
Aroclor 1262	ND		ug/kg	38.3	2.83	1	A
Aroclor 1268	ND		ug/kg	38.3	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:00	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	7.67	1	A
Aroclor 1221	ND		ug/kg	38.8	11.7	1	A
Aroclor 1232	ND		ug/kg	38.8	8.25	1	A
Aroclor 1242	ND		ug/kg	38.8	7.37	1	A
Aroclor 1248	ND		ug/kg	38.8	4.70	1	A
Aroclor 1254	ND		ug/kg	38.8	6.12	1	A
Aroclor 1260	9.71	J	ug/kg	38.8	6.74	1	A
Aroclor 1262	ND		ug/kg	38.8	2.87	1	A
Aroclor 1268	ND		ug/kg	38.8	5.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:13	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	7.72	1	A
Aroclor 1221	ND		ug/kg	39.1	11.8	1	A
Aroclor 1232	ND		ug/kg	39.1	8.31	1	A
Aroclor 1242	ND		ug/kg	39.1	7.42	1	A
Aroclor 1248	ND		ug/kg	39.1	4.73	1	A
Aroclor 1254	ND		ug/kg	39.1	6.16	1	A
Aroclor 1260	ND		ug/kg	39.1	6.79	1	A
Aroclor 1262	ND		ug/kg	39.1	2.89	1	A
Aroclor 1268	ND		ug/kg	39.1	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 23:12	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	7.40	1	A
Aroclor 1221	ND		ug/kg	37.5	11.3	1	A
Aroclor 1232	ND		ug/kg	37.5	7.96	1	A
Aroclor 1242	ND		ug/kg	37.5	7.11	1	A
Aroclor 1248	ND		ug/kg	37.5	4.53	1	A
Aroclor 1254	ND		ug/kg	37.5	5.91	1	A
Aroclor 1260	ND		ug/kg	37.5	6.50	1	A
Aroclor 1262	ND		ug/kg	37.5	2.77	1	A
Aroclor 1268	ND		ug/kg	37.5	5.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318009

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 01:47
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 16:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04,06,09 Batch: WG636526-1						
Aroclor 1016	ND		ug/kg	32.6	6.44	A
Aroclor 1221	ND		ug/kg	32.6	9.84	A
Aroclor 1232	ND		ug/kg	32.6	6.93	A
Aroclor 1242	ND		ug/kg	32.6	6.19	A
Aroclor 1248	ND		ug/kg	32.6	3.94	A
Aroclor 1254	ND		ug/kg	32.6	5.14	A
Aroclor 1260	ND		ug/kg	32.6	5.66	A
Aroclor 1262	ND		ug/kg	32.6	2.41	A
Aroclor 1268	ND		ug/kg	32.6	4.73	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318009

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04,06,09 Batch: WG636526-2 WG636526-3									
Aroclor 1016	66		75		40-140	13		50	A
Aroclor 1260	58		64		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		78		30-150	B
Decachlorobiphenyl	69		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:14	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.2	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	120		30-150	A
DCAA	116		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:09		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.8	3.29	10	A
Lindane	ND		ug/kg	7.01	3.13	10	A
Alpha-BHC	ND		ug/kg	7.01	1.99	10	A
Beta-BHC	ND		ug/kg	16.8	6.38	10	A
Heptachlor	ND		ug/kg	8.41	3.77	10	A
Aldrin	ND		ug/kg	16.8	5.92	10	A
Heptachlor epoxide	ND		ug/kg	31.5	9.46	10	A
Endrin	ND		ug/kg	7.01	2.87	10	A
Endrin ketone	ND		ug/kg	16.8	4.33	10	A
Dieldrin	ND		ug/kg	10.5	5.26	10	A
4,4'-DDE	ND		ug/kg	16.8	3.89	10	A
4,4'-DDD	ND		ug/kg	16.8	6.00	10	A
4,4'-DDT	ND		ug/kg	31.5	13.5	10	A
Endosulfan I	ND		ug/kg	16.8	3.97	10	A
Endosulfan II	ND		ug/kg	16.8	5.62	10	A
Endosulfan sulfate	ND		ug/kg	7.01	3.20	10	A
Methoxychlor	ND		ug/kg	31.5	9.81	10	A
Toxaphene	ND		ug/kg	315	88.3	10	A
cis-Chlordane	ND		ug/kg	21.0	5.86	10	A
trans-Chlordane	ND		ug/kg	21.0	5.55	10	A
Chlordane	ND		ug/kg	137	55.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	126		30-150	A
Decachlorobiphenyl	**297**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:34	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.9	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	124		30-150	A
DCAA	113		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:22	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.2	3.57	10	A
Lindane	ND		ug/kg	7.59	3.39	10	A
Alpha-BHC	ND		ug/kg	7.59	2.16	10	A
Beta-BHC	ND		ug/kg	18.2	6.91	10	A
Heptachlor	ND		ug/kg	9.11	4.08	10	A
Aldrin	ND		ug/kg	18.2	6.41	10	A
Heptachlor epoxide	ND		ug/kg	34.2	10.2	10	A
Endrin	ND		ug/kg	7.59	3.11	10	A
Endrin ketone	ND		ug/kg	18.2	4.69	10	A
Dieldrin	ND		ug/kg	11.4	5.69	10	A
4,4'-DDE	ND		ug/kg	18.2	4.21	10	A
4,4'-DDD	ND		ug/kg	18.2	6.50	10	A
4,4'-DDT	ND		ug/kg	34.2	14.6	10	A
Endosulfan I	ND		ug/kg	18.2	4.30	10	A
Endosulfan II	ND		ug/kg	18.2	6.09	10	A
Endosulfan sulfate	ND		ug/kg	7.59	3.47	10	A
Methoxychlor	ND		ug/kg	34.2	10.6	10	A
Toxaphene	ND		ug/kg	342	95.6	10	A
cis-Chlordane	ND		ug/kg	22.8	6.35	10	A
trans-Chlordane	ND		ug/kg	22.8	6.01	10	A
Chlordane	ND		ug/kg	148	60.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	138		30-150	A
Decachlorobiphenyl	**270**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:54	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.8	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	48		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:35	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.06	1.77	5	A
Lindane	ND		ug/kg	3.78	1.69	5	A
Alpha-BHC	ND		ug/kg	3.78	1.07	5	A
Beta-BHC	ND		ug/kg	9.06	3.44	5	A
Heptachlor	ND		ug/kg	4.53	2.03	5	A
Aldrin	ND		ug/kg	9.06	3.19	5	A
Heptachlor epoxide	ND		ug/kg	17.0	5.10	5	A
Endrin	ND		ug/kg	3.78	1.55	5	A
Endrin ketone	ND		ug/kg	9.06	2.33	5	A
Dieldrin	ND		ug/kg	5.66	2.83	5	A
4,4'-DDE	ND		ug/kg	9.06	2.10	5	A
4,4'-DDD	ND		ug/kg	9.06	3.23	5	A
4,4'-DDT	ND		ug/kg	17.0	7.29	5	A
Endosulfan I	ND		ug/kg	9.06	2.14	5	A
Endosulfan II	ND		ug/kg	9.06	3.03	5	A
Endosulfan sulfate	ND		ug/kg	3.78	1.72	5	A
Methoxychlor	ND		ug/kg	17.0	5.28	5	A
Toxaphene	ND		ug/kg	170	47.6	5	A
cis-Chlordane	ND		ug/kg	11.3	3.16	5	A
trans-Chlordane	ND		ug/kg	11.3	2.99	5	A
Chlordane	ND		ug/kg	73.6	30.0	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	**159**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 20:13	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.9	1	A
2,4,5-T	ND		ug/kg	196	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		30-150	A
DCAA	93		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:47	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.38	1.84	5	A
Lindane	ND		ug/kg	3.91	1.75	5	A
Alpha-BHC	ND		ug/kg	3.91	1.11	5	A
Beta-BHC	ND		ug/kg	9.38	3.56	5	A
Heptachlor	ND		ug/kg	4.69	2.10	5	A
Aldrin	ND		ug/kg	9.38	3.30	5	A
Heptachlor epoxide	ND		ug/kg	17.6	5.28	5	A
Endrin	ND		ug/kg	3.91	1.60	5	A
Endrin ketone	ND		ug/kg	9.38	2.42	5	A
Dieldrin	ND		ug/kg	5.86	2.93	5	A
4,4'-DDE	ND		ug/kg	9.38	2.17	5	A
4,4'-DDD	ND		ug/kg	9.38	3.34	5	A
4,4'-DDT	ND		ug/kg	17.6	7.54	5	A
Endosulfan I	ND		ug/kg	9.38	2.22	5	A
Endosulfan II	ND		ug/kg	9.38	3.13	5	A
Endosulfan sulfate	ND		ug/kg	3.91	1.79	5	A
Methoxychlor	ND		ug/kg	17.6	5.47	5	A
Toxaphene	ND		ug/kg	176	49.2	5	A
cis-Chlordane	ND		ug/kg	11.7	3.27	5	A
trans-Chlordane	ND		ug/kg	11.7	3.10	5	A
Chlordane	ND		ug/kg	76.2	31.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	A
Decachlorobiphenyl	117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 20:33	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	22.8	1	A
2,4,5-T	ND		ug/kg	188	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 05:00	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.45	10	A
Lindane	ND		ug/kg	7.34	3.28	10	A
Alpha-BHC	ND		ug/kg	7.34	2.08	10	A
Beta-BHC	ND		ug/kg	17.6	6.68	10	A
Heptachlor	ND		ug/kg	8.81	3.95	10	A
Aldrin	ND		ug/kg	17.6	6.20	10	A
Heptachlor epoxide	ND		ug/kg	33.0	9.91	10	A
Endrin	ND		ug/kg	7.34	3.01	10	A
Endrin ketone	ND		ug/kg	17.6	4.54	10	A
Dieldrin	ND		ug/kg	11.0	5.51	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.28	10	A
4,4'-DDT	ND		ug/kg	33.0	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.16	10	A
Endosulfan II	ND		ug/kg	17.6	5.89	10	A
Endosulfan sulfate	ND		ug/kg	7.34	3.36	10	A
Methoxychlor	ND		ug/kg	33.0	10.3	10	A
Toxaphene	ND		ug/kg	330	92.5	10	A
cis-Chlordane	ND		ug/kg	22.0	6.14	10	A
trans-Chlordane	ND		ug/kg	22.0	5.82	10	A
Chlordane	ND		ug/kg	143	58.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	**204**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	135		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 15:35
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 15:51

Methylation Date: 09/16/13 00:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG635979-1						
2,4-D	ND		ug/kg	166	20.2	A
2,4,5-T	ND		ug/kg	166	10.4	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/13 02:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/13/13 17:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636012-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.957	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.292	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.91	0.534	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG635979-2 WG635979-3									
2,4-D	**155**	Q	130		30-150	18		30	A
2,4,5-T	116		106		30-150	9		30	A
2,4,5-TP (Silvex)	118		109		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		107		30-150	A
DCAA	122		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636012-2 WG636012-3									
Delta-BHC	77		70		30-150	10		30	A
Lindane	79		71		30-150	11		30	A
Alpha-BHC	76		68		30-150	11		30	A
Beta-BHC	82		75		30-150	9		30	A
Heptachlor	81		73		30-150	10		30	A
Aldrin	81		74		30-150	9		30	A
Heptachlor epoxide	72		66		30-150	9		30	A
Endrin	87		80		30-150	8		30	A
Endrin ketone	67		61		30-150	9		30	A
Dieldrin	78		71		30-150	9		30	A
4,4'-DDE	75		68		30-150	10		30	A
4,4'-DDD	78		71		30-150	9		30	A
4,4'-DDT	81		74		30-150	9		30	A
Endosulfan I	77		71		30-150	8		30	A
Endosulfan II	67		62		30-150	8		30	A
Endosulfan sulfate	64		59		30-150	8		30	A
Methoxychlor	76		70		30-150	8		30	A
cis-Chlordane	75		72		30-150	4		30	A
trans-Chlordane	76		70		30-150	8		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636012-2 WG636012-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		71		30-150	A
Decachlorobiphenyl	107		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		63		30-150	B
Decachlorobiphenyl	119		106		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Barium, TCLP	0.21	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Lead, TCLP	0.35	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:22	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02
Client ID: G2_COMP-01_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	8.4	1.7	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Antimony, Total	1.7	J	mg/kg	4.2	0.67	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Arsenic, Total	39		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Barium, Total	86		mg/kg	0.84	0.25	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.42	0.08	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Cadmium, Total	0.74	J	mg/kg	0.84	0.06	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Calcium, Total	21000		mg/kg	8.4	2.5	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Cobalt, Total	10		mg/kg	1.7	0.42	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Copper, Total	81		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.2	1.7	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	4.2	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Magnesium, Total	2800		mg/kg	8.4	0.84	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Mercury, Total	0.54		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:52	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.1	0.33	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Potassium, Total	990		mg/kg	210	33.	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Selenium, Total	1.4	J	mg/kg	1.7	0.25	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Sodium, Total	180		mg/kg	170	25.	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.33	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Vanadium, Total	20		mg/kg	0.84	0.08	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Zinc, Total	160		mg/kg	4.2	0.58	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Barium, TCLP	0.66		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Lead, TCLP	0.43	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:24	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	9.2	1.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Antimony, Total	2.0	J	mg/kg	4.6	0.74	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Arsenic, Total	14		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.92	0.28	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Beryllium, Total	0.38	J	mg/kg	0.46	0.09	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Cadmium, Total	0.92		mg/kg	0.92	0.06	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Calcium, Total	14000		mg/kg	9.2	2.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Cobalt, Total	7.6		mg/kg	1.8	0.46	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Copper, Total	86		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Iron, Total	21000		mg/kg	4.6	1.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Lead, Total	220		mg/kg	4.6	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Magnesium, Total	5000		mg/kg	9.2	0.92	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Manganese, Total	280		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Mercury, Total	0.46		mg/kg	0.10	0.02	1	09/18/13 08:30	09/18/13 12:54	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.3	0.37	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Potassium, Total	770		mg/kg	230	37.	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Selenium, Total	0.91	J	mg/kg	1.8	0.28	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	180	28.	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Vanadium, Total	29		mg/kg	0.92	0.09	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Zinc, Total	230		mg/kg	4.6	0.64	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Barium, TCLP	0.53		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Lead, TCLP	0.18	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:26	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06
Client ID: G1_COMP-04S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7400		mg/kg	9.4	1.9	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Antimony, Total	5.8		mg/kg	4.7	0.75	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Arsenic, Total	17		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Barium, Total	210		mg/kg	0.94	0.28	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Beryllium, Total	0.69		mg/kg	0.47	0.09	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Cadmium, Total	1.0		mg/kg	0.94	0.07	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Calcium, Total	34000		mg/kg	9.4	2.8	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Chromium, Total	31		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Cobalt, Total	59		mg/kg	1.9	0.47	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Copper, Total	300		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Iron, Total	24000		mg/kg	4.7	1.9	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Lead, Total	640		mg/kg	4.7	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Magnesium, Total	3700		mg/kg	9.4	0.94	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Mercury, Total	0.21		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:56	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.3	0.37	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Potassium, Total	790		mg/kg	230	37.	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Selenium, Total	0.50	J	mg/kg	1.9	0.28	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Sodium, Total	520		mg/kg	190	28.	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.37	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Vanadium, Total	28		mg/kg	0.94	0.09	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	4.7	0.66	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Barium, TCLP	0.44	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.02	J	mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Lead, TCLP	0.10	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:28	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09
Client ID: G1_COMP-03D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	9.4	1.9	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Antimony, Total	2.8	J	mg/kg	4.7	0.75	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Arsenic, Total	34		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Barium, Total	87		mg/kg	0.94	0.28	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Beryllium, Total	0.45	J	mg/kg	0.47	0.09	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Cadmium, Total	2.2		mg/kg	0.94	0.07	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Calcium, Total	20000		mg/kg	9.4	2.8	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Cobalt, Total	15		mg/kg	1.9	0.47	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Copper, Total	170		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Iron, Total	42000		mg/kg	4.7	1.9	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Lead, Total	330		mg/kg	4.7	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Magnesium, Total	2400		mg/kg	9.4	0.94	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Manganese, Total	240		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Mercury, Total	1.0		mg/kg	0.09	0.02	1	09/18/13 08:30	09/18/13 12:57	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.4	0.38	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Potassium, Total	630		mg/kg	240	38.	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Selenium, Total	3.4		mg/kg	1.9	0.28	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Sodium, Total	480		mg/kg	190	28.	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Vanadium, Total	18		mg/kg	0.94	0.09	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Zinc, Total	240		mg/kg	4.7	0.66	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Barium, TCLP	0.39	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Lead, TCLP	0.04	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:30	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10 Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6900		mg/kg	8.6	1.7	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Antimony, Total	3.4	J	mg/kg	4.3	0.69	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Arsenic, Total	9.4		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Barium, Total	180		mg/kg	0.86	0.26	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Beryllium, Total	7.8		mg/kg	0.43	0.09	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Cadmium, Total	1.2		mg/kg	0.86	0.06	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Calcium, Total	110000		mg/kg	43	13.	10	09/17/13 09:20	09/19/13 09:16	EPA 3050B	1,6010C	MG
Chromium, Total	57		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Cobalt, Total	25		mg/kg	1.7	0.43	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Copper, Total	500		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Iron, Total	25000		mg/kg	4.3	1.7	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Lead, Total	410		mg/kg	4.3	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Magnesium, Total	7000		mg/kg	8.6	0.86	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Manganese, Total	850		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Mercury, Total	0.34		mg/kg	0.09	0.02	1	09/18/13 08:30	09/18/13 12:59	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.2	0.34	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Potassium, Total	810		mg/kg	220	34.	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Silver, Total	0.17	J	mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Sodium, Total	760		mg/kg	170	26.	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.86	0.09	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Zinc, Total	2500		mg/kg	22	3.0	10	09/17/13 09:20	09/19/13 09:16	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636660-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Copper, Total	0.18	J	mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636745-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:17	1,7471B	MC

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG637081-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636660-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	89		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	102		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	95		-		80-120	-		
Magnesium, Total	88		-		74-126	-		
Manganese, Total	102		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	92		-		74-127	-		
Thallium, Total	101		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636660-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636745-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG637081-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-4 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5												
Aluminum, Total	6700	173	7200	**289**	Q	-	-		75-125	-		35
Antimony, Total	1.7J	43.2	43	99		-	-		75-125	-		35
Arsenic, Total	39.	10.4	57	**173**	Q	-	-		75-125	-		35
Barium, Total	86.	173	260	100		-	-		75-125	-		35
Beryllium, Total	0.41J	4.32	4.6	106		-	-		75-125	-		35
Cadmium, Total	0.74J	4.41	5.0	113		-	-		75-125	-		35
Calcium, Total	21000	865	12000	**0**	Q	-	-		75-125	-		35
Chromium, Total	16.	17.3	33	98		-	-		75-125	-		35
Cobalt, Total	10.	43.2	53	99		-	-		75-125	-		35
Copper, Total	81.	21.6	140	**273**	Q	-	-		75-125	-		35
Iron, Total	20000	86.5	24000	**4620**	Q	-	-		75-125	-		35
Lead, Total	140	44.1	250	**249**	Q	-	-		75-125	-		35
Magnesium, Total	2800	865	2800	**0**	Q	-	-		75-125	-		35
Manganese, Total	180	43.2	210	**69**	Q	-	-		75-125	-		35
Nickel, Total	23.	43.2	60	86		-	-		75-125	-		35
Potassium, Total	990	865	1800	94		-	-		75-125	-		35
Selenium, Total	1.4J	10.4	12	116		-	-		75-125	-		35
Silver, Total	ND	26	26	100		-	-		75-125	-		35
Sodium, Total	180	865	1000	95		-	-		75-125	-		35
Thallium, Total	ND	10.4	8.7	84		-	-		75-125	-		35
Vanadium, Total	20.	43.2	62	97		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-4 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5									
Zinc, Total	160	43.2	210	116	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636745-4 QC Sample: L1317416-03 Client ID: MS Sample									
Mercury, Total	ND	0.2	0.15	75	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0246	98	-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637081-4 QC Sample: L1318237-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.2	100	-	-	75-125	-	20
Barium, TCLP	0.46J	20	21	105	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106	-	-	75-125	-	20
Chromium, TCLP	0.03J	2	2.0	100	-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
Aluminum, Total	6700	6000	mg/kg	11		35
Antimony, Total	1.7J	1.5J	mg/kg	NC		35
Arsenic, Total	39.	34	mg/kg	14		35
Barium, Total	86.	88	mg/kg	2		35
Beryllium, Total	0.41J	0.44	mg/kg	NC		35
Cadmium, Total	0.74J	0.76J	mg/kg	NC		35
Calcium, Total	21000	13000	mg/kg	**47**	Q	35
Chromium, Total	16.	14	mg/kg	13		35
Cobalt, Total	10.	12	mg/kg	18		35
Copper, Total	81.	78	mg/kg	4		35
Iron, Total	20000	20000	mg/kg	0		35
Lead, Total	140	150	mg/kg	7		35
Magnesium, Total	2800	2200	mg/kg	24		35
Manganese, Total	180	170	mg/kg	6		35
Nickel, Total	23.	22	mg/kg	4		35
Potassium, Total	990	1000	mg/kg	1		35
Selenium, Total	1.4J	1.5J	mg/kg	NC		35
Silver, Total	ND	0.17J	mg/kg	NC		35
Sodium, Total	180	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	20.	17	mg/kg	16	35
Zinc, Total	160	170	mg/kg	6	35
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636745-3 QC Sample: L1317416-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637081-3 QC Sample: L1318237-01 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-01
Client ID: G2_SB-01B_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02
Client ID: G2_COMP-01_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.89	0.89	1	-	09/19/13 11:30	107,-	JO
Solids, Total	90.1		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:27	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.42	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:08	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/18/13 10:00	1,9095A	ST

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03
Client ID: G1_SB-04A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.95	0.95	1	-	09/19/13 11:30	107,-	JO
Solids, Total	84.5		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:28	1,9010C/9012A	JO
pH (H)	7.9		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.65	J	mg/kg	0.95	0.21	1	09/13/13 19:30	09/15/13 20:09	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05
Client ID: G1_SB-04A_2-2.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06
Client ID: G1_COMP-04S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	31		mg/kg	0.96	0.96	1	-	09/19/13 11:30	107,-	JO
Solids, Total	83.5		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:29	1,9010C/9012A	JO
pH (H)	9.4		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.71	J	mg/kg	0.96	0.22	1	09/13/13 19:30	09/15/13 20:10	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-07
Client ID: G1_SB-03B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08
Client ID: G1_SB-03B_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.3		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09
Client ID: G1_COMP-03D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	0.96	0.96	1	-	09/19/13 11:30	107,-	JO
Solids, Total	82.9		%	0.100	NA	1	-	09/17/13 22:28	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	09/16/13 10:50	09/16/13 15:13	1,9010C/9012A	JO
pH (H)	8.0		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.39	J	mg/kg	0.96	0.22	1	09/13/13 19:30	09/15/13 20:11	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10
Client ID: G1_COMP-03S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	57		mg/kg	0.91	0.91	1	-	09/19/13 11:30	107,-	JO
Solids, Total	88.2		%	0.100	NA	1	-	09/17/13 22:28	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/16/13 10:50	09/16/13 15:13	1,9010C/9012A	JO
pH (H)	8.4		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.68	J	mg/kg	0.91	0.20	1	09/13/13 19:30	09/15/13 20:12	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636073-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/13/13 19:30	09/15/13 19:53	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636222-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	09/15/13 12:30	09/16/13 13:22	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 09-10 Batch: WG636339-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	09/16/13 10:50	09/16/13 15:03	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636007-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636073-2								
Chromium, Hexavalent	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636222-4 WG636222-5								
Cyanide, Total	99		100		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 09-10 Batch: WG636339-2 WG636339-3								
Cyanide, Total	98		96		80-120	2		35
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636073-5 QC Sample: L1318001-02 Client ID: MS Sample												
Chromium, Hexavalent	0.74J	1440	1200	84		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636222-3 WG636222-2 QC Sample: L1318024-02 Client ID: MS Sample												
Cyanide, Total	ND	14	14	100		13	96		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG636339-4 WG636339-5 QC Sample: L1318149-02 Client ID: MS Sample												
Cyanide, Total	ND	10	10	99		9.9	98		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636007-2 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
pH (H)	8.2	8.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636073-4 QC Sample: L1318001-02 Client ID: DUP Sample						
Chromium, Hexavalent	0.74J	0.55J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG636230-1 QC Sample: L1318018-31 Client ID: DUP Sample						
Solids, Total	88.3	87.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG636930-1 QC Sample: L1318009-09 Client ID: G1_COMP-03D_5-10						
Solids, Total	82.9	83.3	%	0		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/13/2013 11:48

Cooler Information	Custody Seal
Cooler	
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-01A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-02A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-02B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-02C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-02E	Amber 120ml unpreserved	B	N/A	6	Y	Absent	PAINTF()
L1318009-02X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-03A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-04A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-04B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-04C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-04X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-05A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-06A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-06B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-06C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-06X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-07A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-08A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-09A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-09B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-09C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-09X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-10A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-10B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-10C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-10X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

Container Comments

L1318009-09B

L1318009-10B

L1318009-10C

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318009
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318009

Client Information

Client: Langan, D.P.C.

Address: 360 W. 31st St, 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 20139103

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, Tri Chrom, TCLP Metals, RCRA 3 Char	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	Paint Filter	Sample Specific Comments	Total # Bottles
18009-01	G2SB-1B (2.5-3)	9/12/13	12:45	soil	NB	X	X	X					4
-02	G2_Comp.-01_0-5	9/12/13	12:45	soil	NB		X		X	X	X		4
-03	G1SB-04A (9-9.5)	9/12/13	14:30	soil	NB	X	X	X					4
-04	G1_Comp_04D_5-10	9/12/13	14:30	soil	NB		X		X	X			3
-05	G1SB-04A (2-2.5)	9/12/13	14:30	soil	NB	X	X	X					4
-06	G1_Comp_04S_0-5		14:30		NB		X		X	X			3
-07	G1SB-03B (4-4.5)		15:40		NB	X	X	X					4
-08	G1SB-03B (9-9.5)		15:40		NB	X	X	X					4
-09	G1_Comp-03D_5-10		15:40		NB		X		X	X			3
-10	G1_Comp-03S_0-5		15:40		NB		X		X	X			3

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

Container Type

Preservative

Cooler B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9/12/13 1710
[signature]		[signature]	9/13/13 0900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318159
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/25/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318159-01	FB01_091313	BROOKLYN, NY	09/13/13 12:00
L1318159-02	G1_SB-02A_2.5-3	BROOKLYN, NY	09/13/13 12:55
L1318159-03	G1_SB-02A_8-8.5	BROOKLYN, NY	09/13/13 13:00
L1318159-04	G1_COMP-02S_0-5	BROOKLYN, NY	09/13/13 13:15
L1318159-05	G1_COMP-02D_5-10	BROOKLYN, NY	09/13/13 13:20
L1318159-06	TB01_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1318159-04 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The WG636954-2/-3 LCS/LCSD recoveries, associated with L1318159-01, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

PCBs

L1318159-01 has elevated detection limits due to limited sample volume available for analysis.

Pesticides

Due to a laboratory oversight, the WG636605-1 Method Blank, associated with L1318159-01, was spiked with spike solution and is not reported. The associated sample is non-detect with acceptable surrogate recoveries.

L1318159-04 and -05 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318159-04 and -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318159-04 and -05, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration, no qualification of the results was performed.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

Chromium, Hexavalent

L1318159-01 was analyzed with the method required holding time exceeded. The result is reported at the client's request.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 17:07		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01 Date Collected: 09/13/13 12:00

Client ID: FB01_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.0	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	117		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-02	Date Collected:	09/13/13 12:55
Client ID:	G1_SB-02A_2.5-3	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 20:11		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.28	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-02 Date Collected: 09/13/13 12:55

Client ID: G1_SB-02A_2.5-3 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.56	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.26	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.9	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
Methyl Acetate	ND		ug/kg	24	0.90	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-02	Date Collected:	09/13/13 12:55
Client ID:	G1_SB-02A_2.5-3	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.32	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-03	Date Collected:	09/13/13 13:00
Client ID:	G1_SB-02A_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 14:54		
Analyst:	BN		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.68	1
Bromoform	ND		ug/kg	5.9	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.4	1.2	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-03 Date Collected: 09/13/13 13:00

Client ID: G1_SB-02A_8-8.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.15	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	18		ug/kg	15	4.6	1
Carbon disulfide	ND		ug/kg	15	3.0	1
2-Butanone	4.4	J	ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.4	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.4	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.31	1
tert-Butylbenzene	ND		ug/kg	7.4	0.83	1
o-Chlorotoluene	ND		ug/kg	7.4	0.24	1
p-Chlorotoluene	ND		ug/kg	7.4	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.28	1
Naphthalene	5.8	J	ug/kg	7.4	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.85	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-03	Date Collected:	09/13/13 13:00
Client ID:	G1_SB-02A_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.41	1
p-Diethylbenzene	ND		ug/kg	5.9	0.24	1
p-Ethyltoluene	ND		ug/kg	5.9	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.67	1
Methyl cyclohexane	ND		ug/kg	5.9	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-06	Date Collected:	09/13/13 00:00
Client ID:	TB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 17:35		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-06 Date Collected: 09/13/13 00:00

Client ID: TB01_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-06	Date Collected:	09/13/13 00:00
Client ID:	TB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:20
Analytical Date:	09/20/13 21:13		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Benzaldehyde	ND		ug/l	5.0	0.60	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	79		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	09/18/13 02:21
Analytical Date:	09/19/13 13:19		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	75		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 02:05		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	630		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	8800		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	170	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	120	J	ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	4400		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04 Date Collected: 09/13/13 13:15

Client ID: G1_COMP-02S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3500		ug/kg	290	88.	2
Benzo(b)fluoranthene	4600		ug/kg	220	73.	2
Benzo(k)fluoranthene	1700		ug/kg	220	69.	2
Chrysene	4200		ug/kg	220	71.	2
Acenaphthylene	260	J	ug/kg	290	68.	2
Anthracene	1900		ug/kg	220	60.	2
Benzo(ghi)perylene	2300		ug/kg	290	75.	2
Fluorene	610		ug/kg	360	100	2
Phenanthrene	7600		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	720		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	290	80.	2
Pyrene	7400		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	380		ug/kg	360	120	2
2-Methylnaphthalene	130	J	ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	700		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	95		0-136
4-Terphenyl-d14	58		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 02:32		
Analyst:	PS		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	640		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	6500		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	730		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	2800		ug/kg	120	40.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05 Date Collected: 09/13/13 13:20

Client ID: G1_COMP-02D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2900		ug/kg	160	50.	1
Benzo(b)fluoranthene	3500		ug/kg	120	41.	1
Benzo(k)fluoranthene	1400		ug/kg	120	39.	1
Chrysene	3200		ug/kg	120	40.	1
Acenaphthylene	160		ug/kg	160	38.	1
Anthracene	1400		ug/kg	120	34.	1
Benzo(ghi)perylene	1900		ug/kg	160	42.	1
Fluorene	840		ug/kg	200	58.	1
Phenanthrene	5500		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	600		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	160	45.	1
Pyrene	5300		ug/kg	120	40.	1
Biphenyl	120	J	ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	590		ug/kg	200	68.	1
2-Methylnaphthalene	320		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	650		ug/kg	200	44.	1
Benzaldehyde	200	J	ug/kg	270	82.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	56.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	57		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/13 10:42
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG636953-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/13 10:42
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG636953-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	89		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 14:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG636954-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 14:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG636954-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53
Benzaldehyde	ND		ug/l	5.0	0.60
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	1.0
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	87		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	66.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG636953-2 WG636953-3								
Acenaphthene	84		83		37-111	1		40
2-Chloronaphthalene	72		73		40-140	1		40
Fluoranthene	114		117		40-140	3		40
Hexachlorobutadiene	40		**38**	Q	40-140	5		40
Naphthalene	72		73		40-140	1		40
Benzo(a)anthracene	111		114		40-140	3		40
Benzo(a)pyrene	112		116		40-140	4		40
Benzo(b)fluoranthene	114		113		40-140	1		40
Benzo(k)fluoranthene	117		120		40-140	3		40
Chrysene	100		104		40-140	4		40
Acenaphthylene	88		90		40-140	2		40
Anthracene	100		111		40-140	10		40
Benzo(ghi)perylene	102		104		40-140	2		40
Fluorene	86		85		40-140	1		40
Phenanthrene	109		105		40-140	4		40
Dibenzo(a,h)anthracene	105		107		40-140	2		40
Indeno(1,2,3-cd)Pyrene	109		110		40-140	1		40
Pyrene	110		114		26-127	4		40
2-Methylnaphthalene	72		74		40-140	3		40
Pentachlorophenol	77		78		9-103	1		40
Hexachlorobenzene	83		82		40-140	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG636953-2 WG636953-3								
Hexachloroethane	46		44		40-140	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	36		41		21-120
Phenol-d6	22		26		10-120
Nitrobenzene-d5	95		102		23-120
2-Fluorobiphenyl	83		90		15-120
2,4,6-Tribromophenol	102		**122**	Q	10-120
4-Terphenyl-d14	100		111		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
1,2,4-Trichlorobenzene	70		73		39-98	4		30
Bis(2-chloroethyl)ether	100		105		40-140	5		30
1,2-Dichlorobenzene	74		76		40-140	3		30
1,3-Dichlorobenzene	70		71		40-140	1		30
1,4-Dichlorobenzene	70		71		36-97	1		30
3,3'-Dichlorobenzidine	84		83		40-140	1		30
2,4-Dinitrotoluene	**124**	Q	**127**	Q	24-96	2		30
2,6-Dinitrotoluene	113		116		40-140	3		30
4-Chlorophenyl phenyl ether	100		105		40-140	5		30
4-Bromophenyl phenyl ether	107		113		40-140	5		30
Bis(2-chloroisopropyl)ether	97		103		40-140	6		30
Bis(2-chloroethoxy)methane	106		111		40-140	5		30
Hexachlorocyclopentadiene	**39**	Q	41		40-140	5		30
Isophorone	104		107		40-140	3		30
Nitrobenzene	97		105		40-140	8		30
NitrosoDiPhenylAmine(NDPA)/DPA	108		113		40-140	5		30
n-Nitrosodi-n-propylamine	100		105		29-132	5		30
Bis(2-Ethylhexyl)phthalate	111		116		40-140	4		30
Butyl benzyl phthalate	119		123		40-140	3		30
Di-n-butylphthalate	115		119		40-140	3		30
Di-n-octylphthalate	115		119		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
Diethyl phthalate	109		113		40-140	4		30
Dimethyl phthalate	112		117		40-140	4		30
Biphenyl	91		95			4		30
4-Chloroaniline	64		67		40-140	5		30
2-Nitroaniline	117		121		52-143	3		30
3-Nitroaniline	70		74		25-145	6		30
4-Nitroaniline	119		128		51-143	7		30
Dibenzofuran	98		104		40-140	6		30
1,2,4,5-Tetrachlorobenzene	78		82		2-134	5		30
Acetophenone	112		120		39-129	7		30
2,4,6-Trichlorophenol	113		118		30-130	4		30
P-Chloro-M-Cresol	**104**	Q	**108**	Q	23-97	4		30
2-Chlorophenol	84		89		27-123	6		30
2,4-Dichlorophenol	108		113		30-130	5		30
2,4-Dimethylphenol	101		106		30-130	5		30
2-Nitrophenol	102		110		30-130	8		30
4-Nitrophenol	49		49		10-80	0		30
2,4-Dinitrophenol	101		106		20-130	5		30
4,6-Dinitro-o-cresol	110		119		20-164	8		30
Phenol	34		36		12-110	6		30
2-Methylphenol	75		77		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
3-Methylphenol/4-Methylphenol	67		70		30-130	4		30
2,4,5-Trichlorophenol	113		119		30-130	5		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	73		79			8		30
Carbazole	113		117		55-144	3		30
Benzaldehyde	96		100			4		30
Caprolactam	19		22			15		30
Atrazine	125		127			2		30
2,3,4,6-Tetrachlorophenol	107		115			7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		48		21-120
Phenol-d6	31		33		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		103		15-120
2,4,6-Tribromophenol	109		111		10-120
4-Terphenyl-d14	98		99		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Acenaphthene	97		100		31-137	3		50
Benzidine	48		49			2		50
n-Nitrosodimethylamine	89		91			2		50
1,2,4-Trichlorobenzene	93		96		38-107	3		50
Hexachlorobenzene	98		100		40-140	2		50
Bis(2-chloroethyl)ether	88		90		40-140	2		50
2-Chloronaphthalene	94		97		40-140	3		50
1,2-Dichlorobenzene	92		94		40-140	2		50
1,3-Dichlorobenzene	91		94		40-140	3		50
1,4-Dichlorobenzene	91		93		28-104	2		50
3,3'-Dichlorobenzidine	82		84		40-140	2		50
2,4-Dinitrotoluene	**101**	Q	**105**	Q	28-89	4		50
2,6-Dinitrotoluene	99		104		40-140	5		50
Fluoranthene	104		108		40-140	4		50
4-Chlorophenyl phenyl ether	98		101		40-140	3		50
4-Bromophenyl phenyl ether	100		104		40-140	4		50
Azobenzene	96		98		40-140	2		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	91		92		40-117	1		50
Hexachlorobutadiene	94		100		40-140	6		50
Hexachlorocyclopentadiene	107		112		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Hexachloroethane	91		94		40-140	3		50
Isophorone	92		95		40-140	3		50
Naphthalene	94		98		40-140	4		50
Nitrobenzene	109		114		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		106			3		50
n-Nitrosodi-n-propylamine	93		96		32-121	3		50
Bis(2-Ethylhexyl)phthalate	110		**170**	Q	40-140	43		50
Butyl benzyl phthalate	110		113		40-140	3		50
Di-n-butylphthalate	114		118		40-140	3		50
Di-n-octylphthalate	115		120		40-140	4		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	99		104		40-140	5		50
Benzo(a)anthracene	99		106		40-140	7		50
Benzo(a)pyrene	108		114		40-140	5		50
Benzo(b)fluoranthene	107		110		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	99		100		40-140	1		50
Acenaphthylene	100		103		40-140	3		50
Anthracene	107		111		40-140	4		50
Benzo(ghi)perylene	101		108		40-140	7		50
Fluorene	98		103		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Phenanthrene	99		103		40-140	4		50
Dibenzo(a,h)anthracene	111		114		40-140	3		50
Indeno(1,2,3-cd)Pyrene	102		110		40-140	8		50
Pyrene	101		103		35-142	2		50
Biphenyl	105		108			3		50
Aniline	81		84		40-140	4		50
4-Chloroaniline	72		70		40-140	3		50
2-Nitroaniline	103		106		47-134	3		50
3-Nitroaniline	63		63		26-129	0		50
4-Nitroaniline	97		101		41-125	4		50
Dibenzofuran	97		101		40-140	4		50
2-Methylnaphthalene	92		94		40-140	2		50
1,2,4,5-Tetrachlorobenzene	103		107		40-117	4		50
Acetophenone	100		105		14-144	5		50
2,4,6-Trichlorophenol	114		119		30-130	4		50
P-Chloro-M-Cresol	**109**	Q	**112**	Q	26-103	3		50
2-Chlorophenol	100		**104**	Q	25-102	4		50
2,4-Dichlorophenol	109		114		30-130	4		50
2,4-Dimethylphenol	101		106		30-130	5		50
2-Nitrophenol	102		107		30-130	5		50
4-Nitrophenol	**119**	Q	**123**	Q	11-114	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
2,4-Dinitrophenol	114		125		4-130	9		50
4,6-Dinitro-o-cresol	106		115		10-130	8		50
Pentachlorophenol	102		107		17-109	5		50
Phenol	**100**	Q	**102**	Q	26-90	2		50
2-Methylphenol	103		106		30-130.	3		50
3-Methylphenol/4-Methylphenol	110		113		30-130	3		50
2,4,5-Trichlorophenol	109		114		30-130	4		50
Benzoic Acid	86		94			9		50
Benzyl Alcohol	94		101		40-140	7		50
Carbazole	101		103		54-128	2		50
Benzaldehyde	94		94			0		50
Caprolactam	109		114			4		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	113		114			1		50
Pyridine	78		78		10-93	0		50
Parathion, ethyl	129		134		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	104		107		25-120
Phenol-d6	99		102		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		101		30-120
2,4,6-Tribromophenol	104		108		0-136
4-Terphenyl-d14	90		93		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 19:36		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	130	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	73		70-130
4-Bromofluorobenzene	80		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04 D	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 18:50		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	403000		ug/kg	70100	6860	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 20:17		
Analyst:	JV		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	710	J	ug/kg	3100	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	75		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05 D	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 16:46		
Analyst:	AR		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	492000		ug/kg	195000	19100	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	103		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04-05 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04-05 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-05 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: MS Sample												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: DUP Sample					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	09/17/13 21:59
Analytical Date:	09/19/13 21:22	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/18/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:29	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	6.93	1	A
Aroclor 1221	ND		ug/kg	35.1	10.6	1	A
Aroclor 1232	ND		ug/kg	35.1	7.46	1	A
Aroclor 1242	ND		ug/kg	35.1	6.66	1	A
Aroclor 1248	ND		ug/kg	35.1	4.25	1	A
Aroclor 1254	ND		ug/kg	35.1	5.53	1	A
Aroclor 1260	ND		ug/kg	35.1	6.09	1	A
Aroclor 1262	ND		ug/kg	35.1	2.60	1	A
Aroclor 1268	ND		ug/kg	35.1	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:42	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	81%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	7.75	1	A
Aroclor 1221	ND		ug/kg	39.2	11.8	1	A
Aroclor 1232	ND		ug/kg	39.2	8.34	1	A
Aroclor 1242	ND		ug/kg	39.2	7.45	1	A
Aroclor 1248	ND		ug/kg	39.2	4.75	1	A
Aroclor 1254	ND		ug/kg	39.2	6.18	1	A
Aroclor 1260	ND		ug/kg	39.2	6.81	1	A
Aroclor 1262	ND		ug/kg	39.2	2.90	1	A
Aroclor 1268	ND		ug/kg	39.2	5.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-05 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/19/13 20:29
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 09/17/13 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/18/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG636894-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG636894-2 WG636894-3									
Aroclor 1016	81		83		40-140	3		50	A
Aroclor 1260	71		76		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		64		30-150	A
Decachlorobiphenyl	76		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		61		30-150	B
Decachlorobiphenyl	63		66		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/17/13 02:15
Analytical Date:	09/18/13 22:37	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/17/13 06:44
Analytical Date:	09/18/13 19:22	Methylation Date:	09/18/13 03:41
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:52	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	21.7	1	A
2,4,5-T	ND		ug/kg	179	11.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	9.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04 D	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:25	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.3	3.39	10	A
Lindane	ND		ug/kg	7.22	3.23	10	A
Alpha-BHC	ND		ug/kg	7.22	2.05	10	A
Beta-BHC	ND		ug/kg	17.3	6.57	10	A
Heptachlor	ND		ug/kg	8.66	3.88	10	A
Aldrin	ND		ug/kg	17.3	6.10	10	A
Heptachlor epoxide	ND		ug/kg	32.5	9.74	10	A
Endrin	ND		ug/kg	7.22	2.96	10	A
Endrin ketone	ND		ug/kg	17.3	4.46	10	A
Dieldrin	ND		ug/kg	10.8	5.41	10	A
4,4'-DDE	ND		ug/kg	17.3	4.00	10	A
4,4'-DDD	ND		ug/kg	17.3	6.18	10	A
4,4'-DDT	31.8	J	ug/kg	32.5	13.9	10	A
Endosulfan I	ND		ug/kg	17.3	4.09	10	A
Endosulfan II	ND		ug/kg	17.3	5.79	10	A
Endosulfan sulfate	ND		ug/kg	7.22	3.30	10	A
Methoxychlor	ND		ug/kg	32.5	10.1	10	A
Toxaphene	ND		ug/kg	325	90.9	10	A
cis-Chlordane	ND		ug/kg	21.6	6.03	10	A
trans-Chlordane	ND		ug/kg	21.6	5.72	10	A
Chlordane	ND		ug/kg	141	57.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 11:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	203	24.6	1	A
2,4,5-T	ND		ug/kg	203	12.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	203	11.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05 D	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:38	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.5	3.83	10	A
Lindane	ND		ug/kg	8.14	3.64	10	A
Alpha-BHC	ND		ug/kg	8.14	2.31	10	A
Beta-BHC	ND		ug/kg	19.5	7.41	10	A
Heptachlor	ND		ug/kg	9.77	4.38	10	A
Aldrin	ND		ug/kg	19.5	6.88	10	A
Heptachlor epoxide	ND		ug/kg	36.6	11.0	10	A
Endrin	ND		ug/kg	8.14	3.34	10	A
Endrin ketone	ND		ug/kg	19.5	5.03	10	A
Dieldrin	ND		ug/kg	12.2	6.11	10	A
4,4'-DDE	ND		ug/kg	19.5	4.52	10	A
4,4'-DDD	ND		ug/kg	19.5	6.97	10	A
4,4'-DDT	ND		ug/kg	36.6	15.7	10	A
Endosulfan I	ND		ug/kg	19.5	4.62	10	A
Endosulfan II	ND		ug/kg	19.5	6.53	10	A
Endosulfan sulfate	ND		ug/kg	8.14	3.72	10	A
Methoxychlor	ND		ug/kg	36.6	11.4	10	A
Toxaphene	ND		ug/kg	366	103.	10	A
cis-Chlordane	ND		ug/kg	24.4	6.81	10	A
trans-Chlordane	ND		ug/kg	24.4	6.45	10	A
Chlordane	ND		ug/kg	159	64.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	**165**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/18/13 18:02
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/17/13 06:44

Methylation Date: 09/18/13 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG636619-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	66		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 09:34
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/18/13 19:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-05 Batch: WG637232-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.293	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-05 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636605-2 WG636605-3									
Delta-BHC	107		78		30-150	**31**	Q	20	A
Lindane	103		78		30-150	**27**	Q	20	A
Alpha-BHC	98		72		30-150	**30**	Q	20	A
Beta-BHC	103		81		30-150	**24**	Q	20	A
Heptachlor	78		63		30-150	**21**	Q	20	A
Aldrin	69		57		30-150	18		20	A
Heptachlor epoxide	95		71		30-150	**29**	Q	20	A
Endrin	117		86		30-150	**31**	Q	20	A
Endrin ketone	107		74		30-150	**36**	Q	20	A
Dieldrin	103		76		30-150	**30**	Q	20	A
4,4'-DDE	92		69		30-150	**28**	Q	20	A
4,4'-DDD	106		78		30-150	**31**	Q	20	A
4,4'-DDT	108		80		30-150	**30**	Q	20	A
Endosulfan I	99		74		30-150	**29**	Q	20	A
Endosulfan II	95		67		30-150	**34**	Q	20	A
Endosulfan sulfate	101		70		30-150	**37**	Q	20	A
Methoxychlor	111		79		30-150	**33**	Q	20	A
cis-Chlordane	94		71		30-150	**27**	Q	20	A
trans-Chlordane	88		70		30-150	**24**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636605-2 WG636605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		48		30-150	A
Decachlorobiphenyl	123		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		39		30-150	B
Decachlorobiphenyl	143		137		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636619-2 WG636619-3									
2,4-D	107		98		30-150	9		25	A
2,4,5-T	101		97		30-150	4		25	A
2,4,5-TP (Silvex)	101		98		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		96		30-150	A
DCAA	81		79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637232-2 WG637232-3									
Delta-BHC	76		82		30-150	8		30	A
Lindane	68		81		30-150	17		30	A
Alpha-BHC	74		77		30-150	4		30	A
Beta-BHC	78		82		30-150	5		30	A
Heptachlor	79		83		30-150	5		30	A
Aldrin	78		82		30-150	5		30	A
Heptachlor epoxide	69		73		30-150	6		30	A
Endrin	80		85		30-150	6		30	A
Endrin ketone	69		72		30-150	4		30	A
Dieldrin	72		77		30-150	7		30	A
4,4'-DDE	70		74		30-150	6		30	A
4,4'-DDD	72		77		30-150	7		30	A
4,4'-DDT	72		75		30-150	4		30	A
Endosulfan I	72		76		30-150	5		30	A
Endosulfan II	64		67		30-150	5		30	A
Endosulfan sulfate	67		70		30-150	4		30	A
Methoxychlor	70		74		30-150	6		30	A
cis-Chlordane	71		77		30-150	8		30	A
trans-Chlordane	72		76		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637232-2 WG637232-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	102		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		76		30-150	B
Decachlorobiphenyl	117		137		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01
Client ID: FB01_091313
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/13/13 12:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Barium, Total	0.00025	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Calcium, Total	0.0504	J	mg/l	0.100	0.0320	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Chromium, Total	0.00100		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Manganese, Total	0.00031	J	mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 14:55	EPA 7470A	1,7470A	JH
Nickel, Total	0.00036	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Sodium, Total	0.177		mg/l	0.100	0.0150	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Barium, TCLP	0.37	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Lead, TCLP	0.72		mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:18	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04
Client ID: G1_COMP-02S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 13:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7900		mg/kg	8.4	1.7	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.68	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Arsenic, Total	7.2		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Barium, Total	390		mg/kg	0.84	0.25	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Beryllium, Total	3.7		mg/kg	0.42	0.08	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.84	0.06	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Calcium, Total	83000		mg/kg	8.4	2.5	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Chromium, Total	43		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Cobalt, Total	25		mg/kg	1.7	0.42	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Copper, Total	480		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Iron, Total	25000		mg/kg	4.2	1.7	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Lead, Total	1600		mg/kg	4.2	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Magnesium, Total	27000		mg/kg	8.4	0.84	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Mercury, Total	0.49		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:19	EPA 7471B	1,7471B	MC
Nickel, Total	44		mg/kg	2.1	0.34	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	210	34.	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Selenium, Total	0.66	J	mg/kg	1.7	0.25	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Sodium, Total	810		mg/kg	170	25.	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Vanadium, Total	24		mg/kg	0.84	0.08	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Zinc, Total	2800		mg/kg	21	3.0	10	09/19/13 11:28	09/20/13 11:06	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Barium, TCLP	0.16	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:23	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05
Client ID: G1_COMP-02D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 09/13/13 13:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	9.6	1.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Arsenic, Total	46		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Barium, Total	170		mg/kg	0.96	0.29	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Beryllium, Total	0.32	J	mg/kg	0.48	0.10	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Cadmium, Total	0.80	J	mg/kg	0.96	0.07	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Calcium, Total	7700		mg/kg	9.6	2.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Cobalt, Total	3.6		mg/kg	1.9	0.48	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Copper, Total	130		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.8	1.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Lead, Total	160		mg/kg	4.8	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Magnesium, Total	720		mg/kg	9.6	0.96	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Manganese, Total	90		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Mercury, Total	0.46		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:21	EPA 7471B	1,7471B	MC
Nickel, Total	8.8		mg/kg	2.4	0.38	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Potassium, Total	610		mg/kg	240	38.	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Selenium, Total	4.0		mg/kg	1.9	0.29	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Sodium, Total	790		mg/kg	190	29.	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Vanadium, Total	15		mg/kg	0.96	0.10	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Zinc, Total	74		mg/kg	4.8	0.67	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG636695-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Chromium, Total	0.00066	J	mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Manganese, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Nickel, Total	0.00029	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Sodium, Total	0.0273	J	mg/l	0.100	0.0150	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-05 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND	mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND	mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2	mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND	mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND	mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND	mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND	mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND	mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND	mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND	mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND	mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND	mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-05 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG637983-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 14:48	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-05 Batch: WG637994-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Barium, TCLP	0.05	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Lead, TCLP	0.02	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/20/13 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-05 Batch: WG638032-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:15	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/20/13 15:00

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG636695-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	95		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	99		-		80-120	-		
Cadmium, Total	103		-		80-120	-		
Calcium, Total	103		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	102		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Nickel, Total	99		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	96		-		80-120	-		
Silver, Total	95		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG636695-2					
Zinc, Total	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	78	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG637983-2					
Mercury, Total	94	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 Batch: WG637994-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 Batch: WG638032-2					
Mercury, TCLP	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-4 QC Sample: L1318233-01 Client ID: MS Sample												
Aluminum, Total	ND	2	2.04	102		-	-		80-120	-		20
Antimony, Total	ND	0.5	0.4623	92		-	-		80-120	-		20
Arsenic, Total	ND	0.12	0.1150	96		-	-		80-120	-		20
Barium, Total	ND	2	1.864	93		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04618	92		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.05040	99		-	-		80-120	-		20
Calcium, Total	ND	10	9.98	100		-	-		80-120	-		20
Chromium, Total	0.00073J	0.2	0.1953	98		-	-		80-120	-		20
Cobalt, Total	ND	0.5	0.5000	100		-	-		80-120	-		20
Copper, Total	ND	0.25	0.2470	99		-	-		80-120	-		20
Iron, Total	ND	1	1.06	106		-	-		80-120	-		20
Lead, Total	ND	0.51	0.4963	97		-	-		80-120	-		20
Magnesium, Total	ND	10	10.2	102		-	-		80-120	-		20
Manganese, Total	0.0006J	0.5	0.4679	94		-	-		80-120	-		20
Nickel, Total	0.00028J	0.5	0.4879	98		-	-		80-120	-		20
Potassium, Total	ND	10	9.90	99		-	-		80-120	-		20
Selenium, Total	ND	0.12	0.113	94		-	-		80-120	-		20
Silver, Total	ND	0.05	0.04677	94		-	-		80-120	-		20
Sodium, Total	0.022J	10	10.2	102		-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1118	93		-	-		80-120	-		20
Vanadium, Total	ND	0.5	0.4777	96		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-4 QC Sample: L1318233-01 Client ID: MS Sample									
Zinc, Total	0.00225J	0.5	0.4902	98	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Aluminum, Total	1500	194	2700	**618**	Q	-	-	75-125	-	35
Antimony, Total	4.4J	48.5	52	107		-	-	75-125	-	35
Arsenic, Total	12.	11.6	23	86		-	-	75-125	-	35
Barium, Total	360	194	670	**154**	Q	-	-	75-125	-	35
Beryllium, Total	0.22J	4.85	5.1	105		-	-	75-125	-	35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-	75-125	-	35
Calcium, Total	620	971	4700	**419**	Q	-	-	75-125	-	35
Chromium, Total	14.	19.4	27	**62**	Q	-	-	75-125	-	35
Cobalt, Total	3.4	48.5	49	94		-	-	75-125	-	35
Copper, Total	130	24.3	120	**0**	Q	-	-	75-125	-	35
Iron, Total	5800	97.1	5200	**0**	Q	-	-	75-125	-	35
Lead, Total	420	49.5	280	**0**	Q	-	-	75-125	-	35
Magnesium, Total	290	971	1200	93		-	-	75-125	-	35
Manganese, Total	56.	48.5	110	107		-	-	75-125	-	35
Nickel, Total	15.	48.5	56	84		-	-	75-125	-	35
Potassium, Total	220J	971	1300	**134**	Q	-	-	75-125	-	35
Selenium, Total	6.1	11.6	16	84		-	-	75-125	-	35
Silver, Total	0.26J	29.1	28	96		-	-	75-125	-	35
Sodium, Total	120J	971	1200	124		-	-	75-125	-	35
Thallium, Total	ND	11.6	10	86		-	-	75-125	-	35
Vanadium, Total	8.1	48.5	54	94		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-4 QC Sample: L1318159-01 Client ID: FB01_091313										
Mercury, Total	ND	0.005	0.00585	117		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637994-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.37J	20	20	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.51	100		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95		-	-	75-125	-	20
Lead, TCLP	0.72	5.1	6.0	104		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG638032-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5										
Mercury, TCLP	ND	0.025	0.0253	101		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-3 QC Sample: L1318233-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00073J	0.00069J	mg/l	NC		20
Copper, Total	ND	0.00015J	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.00028J	0.00030J	mg/l	NC		20
Zinc, Total	0.00225J	0.00225J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-3 QC Sample: L1318159-01 Client ID: FB01_091313					
Mercury, Total	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637994-3 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.37J	0.38J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.72	0.71	mg/l	1	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG638032-3 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01
Client ID: FB01_091313
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/13/13 12:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/23/13 11:33	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 14:12	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/14/13 18:30	09/14/13 18:52	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-02
Client ID: G1_SB-02A_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 12:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-03
Client ID: G1_SB-02A_8-8.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.6		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04
Client ID: G1_COMP-02S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	43		mg/kg	0.88	0.88	1	-	09/23/13 11:29	107,-	JO
Solids, Total	90.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:14	1,9010C/9012A	JO
pH (H)	8.3		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 22:00	09/18/13 00:22	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05
Client ID: G1_COMP-02D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.99	0.99	1	-	09/23/13 11:29	107,-	JO
Solids, Total	80.9		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	09/18/13 12:55	09/18/13 16:14	1,9010C/9012A	JO
pH (H)	8.9		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.99	0.22	1	09/16/13 22:00	09/18/13 00:23	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG636181-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/14/13 18:30	09/14/13 18:51	1,7196A	EL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG636224-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:41	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG636181-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG636224-4 WG636224-5								
Cyanide, Total	98		101		80-120	3		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636181-4 QC Sample: L1318159-01 Client ID: FB01_091313												
Chromium, Hexavalent	ND	0.1	0.101	101		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636224-3 WG636224-2 QC Sample: L1318119-09 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.197	98		0.198	99		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636181-3 QC Sample: L1318159-01 Client ID: FB01_091313						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG636928-1 QC Sample: L1318159-02 Client ID: G1_SB-02A_2.5-3						
Solids, Total	88.5	89.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 15:00

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-01A	Plastic 500ml HNO3 preserved	A	<2	4.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1318159-01B	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1318159-01C	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	HERB-APA(7)
L1318159-01D	Amber 500ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8081(7)
L1318159-01E	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318159-01F	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-01G	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-01H	Plastic 1000ml unpreserved	A	7	4.1	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1318159-01I	Plastic 250ml NaOH preserved	A	>12	4.1	Y	Absent	TCN-9010(14)
L1318159-01J	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-02A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02D	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02E	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02F	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02G	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1318159-03A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-03B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-03C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-03D	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03E	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03F	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03G	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1318159-04A	Vial Large Septa unpreserved	A	N/A	4.1	Y	Absent	TPH-GRO(14)
L1318159-04B	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-04C	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-04X	Plastic 250ml HNO3 preserved spl	A	N/A	4.1	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318159-05A	Vial Large Septa unpreserved	A	N/A	4.1	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-05B	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-05C	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-05X	Plastic 250ml HNO3 preserved spl	A	N/A	4.1	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318159-06A	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-06B	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)

Container Comments

L1318159-03C

L1318159-04B

*Values in parentheses indicate holding time in days

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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

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Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	to NYCRR 375 unrestricted use SCO

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 PAST	SVOC	PCB	Herb	Hexchrom, Trichrom	VOC	Total CN	TAL Metals	VOC	Temp Blank	Sample Specific Comments	Total # Bottles
16159-1	Field Blank	9/13/13	12:00	AQ	NB	X										FB01_091313	1
1	Field Blank		12:01		NB		X										1
1	Field Blank		12:02		NB			X									1
1	Field Blank		12:03		NB				X								1
1	Field Blank		12:04		NB					X							1
1	Field Blank		12:05		NB						X						3
1	Field Blank		12:06		NB							X					1
1	Field Blank		12:07		NB								X				1
NB	~~Field Blank~~ Trip Blank		12:08		NB									X			2
	Temp Blank	✓	12:09	✓	NB										X		1

Container Type												
Preservative												

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

COOLER B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible] Tom Poole	9/13/13 2035	Tom Poole	9/13/13 2035
Tom Poole	9/13/13	BC	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C
Address: 360 W 31st St, 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229.002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139613

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (Tal. metals, Total Cn, Hex Chrom, TS, Cyanide, TCLP, RCRA 8 Metals, RCRA Char.)	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO VOC	Sample Specific Comments	Total # Bottles
18159-2	G1_SB-02A_(2.5-3)	9/13/13	12:55	Soil	NB	X	X		G1_SB-02A_2.5-3	4
3	G1_SB-02A_(8-8.5)		13:00		NB	X	X		G1_SB-02A_8.8.5	4
4	G1_COMP-02S_0-5		13:15		NB	X	X X		G1_COMP-02S_0-5	3
5	G1_COMP_02D_5-10		13:20		NB	X	X X		G1_COMP-02D_5-10	3
6	TRIP BLANK							X	TB01_091313	2

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

-ks 9/24/13

COOLER B

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
Tom Fisher		[illegible]	9/14/13 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	to NYCRR 375 unrestricted use SCO

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+ 8 PAST	SVOC	PCB	Herb	Hexchrom, Trichrom	VOC	Total CN	TAL Metals	VOC	Temp Blank	Sample Specific Comments	Total # Bottles
16159-1	Field Blank	9/13/13	12:00	AQ	NB	X											1
1	Field Blank		12:01		NB		X										1
1	Field Blank		12:02		NB			X									1
1	Field Blank		12:03		NB				X								1
1	Field Blank		12:04		NB					X							1
1	Field Blank		12:05		NB						X						3
1	Field Blank		12:06		NB							X					1
1	Field Blank		12:07		NB								X				1
NB	~~Field Blank~~ Trip Blank		12:08		NB									X			2
	Temp Blank	✓	12:09	✓	NB										X		1

Container Type												
Preservative												

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

COOLER B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible] Tom Poole	9/13/13 2035	Tom Poole	9/13/13 2035
[illegible]	9/13/13	[illegible]	9/14/14 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C
Address: 360 W 31st St, 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229.002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139613

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/14/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (Ta/mxylenes, Tetrachl. Hex Chrom., TS, Chrom. TCLP, Metals, RCRA Char.)	SVOC, RCRA, PCB, Pest, Herb, TPH DRO	TPH GRO VOC	Sample Specific Comments	Total # Bottles
18159-2	GI-SB-02A-(2.5-3)	9/13/13	12:55	Soil	NB	X	X			4
3	GI-SB-02A-(8-8.5)		13:00		NB	X	X			4
4	GI-COMP-02S-0-5		13:15		NB	X	X X	X		3
5	GI-COMP-02D-5-10		13:20		NB	X	X X	X		3
6	TRIP BLANK							X		2

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

COOLER B

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
Tom Fisher		[illegible]	9/14/13 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318161
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	10/03/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318161-01	G1_SB-10B_4-4.5	BROOKLYN, NY	09/13/13 17:45
L1318161-02	G1_SB-10B_9.5-10	BROOKLYN, NY	09/13/13 17:50
L1318161-03	G1_COMP-10S_0-5	BROOKLYN, NY	09/13/13 18:00
L1318161-04	G1_COMP-10D_5-10	BROOKLYN, NY	09/13/13 18:05
L1318161-05	TB02_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318161
Project Number: 170229002 **Report Date:** 10/03/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

Case Narrative (continued)

Report Submission

This report replaces the report issued September 25, 2013. At the client's request, the Client IDs were changed on L1318161-01 through -04.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1318161-01: The internal standard (IS) response(s) for chlorobenzene-d5 (38%) and 1,4-dichlorobenzene-d4 (12%) and the surrogate recoveries for toluene-d8 (148%) and 4-bromofluorobenzene (182%) were outside the acceptance criteria; however, re-analysis achieved similar results for chlorobenzene-d5 (25%) and 1,4-dichlorobenzene-d4 (6%) and the surrogate recoveries for toluene-d8 (190%) and 4-bromofluorobenzene (201%). The results of both analyses are reported.

Organochlorine Pesticides

L1318161-03 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318161-03 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318161-03 and -04, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 10/03/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 21:08		
Analyst:	PP		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.43	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.0	0.64	1
Bromoform	ND		ug/kg	5.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	11		ug/kg	7.0	1.1	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.34	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01 Date Collected: 09/13/13 17:45

Client ID: G1_SB-10B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.15	1
p/m-Xylene	ND		ug/kg	2.8	0.45	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.44	1
Dichlorodifluoromethane	ND		ug/kg	14	0.31	1
Acetone	8.2	J	ug/kg	14	4.4	1
Carbon disulfide	11	J	ug/kg	14	2.8	1
2-Butanone	ND		ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.67	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	7.0	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.0	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.0	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.0	0.79	1
o-Chlorotoluene	ND		ug/kg	7.0	0.22	1
p-Chlorotoluene	ND		ug/kg	7.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.59	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	10		ug/kg	1.4	0.27	1
Naphthalene	18		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	14	0.33	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.0	0.81	1
Methyl Acetate	ND		ug/kg	28	1.1	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	24.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.38	1
p-Diethylbenzene	ND		ug/kg	5.6	0.22	1
p-Ethyltoluene	ND		ug/kg	5.6	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.18	1
Ethyl ether	ND		ug/kg	7.0	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	0.63	1
Methyl cyclohexane	ND		ug/kg	5.6	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	**148**	Q	70-130
4-Bromofluorobenzene	**182**	Q	70-130
Dibromofluoromethane	108		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	R	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 15:23			
Analyst:	PP			
Percent Solids:	94%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.68	1
Bromoform	ND		ug/kg	5.9	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	1.2	J	ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	36		ug/kg	7.4	1.2	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01 R Date Collected: 09/13/13 17:45

Client ID: G1_SB-10B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.15	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	14	J	ug/kg	15	4.6	1
Carbon disulfide	36		ug/kg	15	3.0	1
2-Butanone	ND		ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.4	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.4	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.30	1
tert-Butylbenzene	ND		ug/kg	7.4	0.83	1
o-Chlorotoluene	ND		ug/kg	7.4	0.24	1
p-Chlorotoluene	ND		ug/kg	7.4	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	34		ug/kg	1.5	0.28	1
Naphthalene	50		ug/kg	7.4	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.85	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	R	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.40	1
p-Diethylbenzene	ND		ug/kg	5.9	0.24	1
p-Ethyltoluene	ND		ug/kg	5.9	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.4	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.66	1
Methyl cyclohexane	ND		ug/kg	5.9	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	**190**	Q	70-130
4-Bromofluorobenzene	**201**	Q	70-130
Dibromofluoromethane	115		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-02	Date Collected:	09/13/13 17:50
Client ID:	G1_SB-10B_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 21:36		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.92	0.13	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.10	1
Bromodichloromethane	ND		ug/kg	0.92	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.16	1
Benzene	ND		ug/kg	0.92	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.92	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.92	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-02 Date Collected: 09/13/13 17:50

Client ID: G1_SB-10B_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.14	1
Dibromomethane	ND		ug/kg	9.2	0.15	1
Styrene	ND		ug/kg	1.8	0.28	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.20	1
Acetone	6.3	J	ug/kg	9.2	2.9	1
Carbon disulfide	ND		ug/kg	9.2	1.8	1
2-Butanone	ND		ug/kg	9.2	0.33	1
Vinyl acetate	ND		ug/kg	9.2	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.21	1
2-Hexanone	ND		ug/kg	9.2	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.92	0.18	1
sec-Butylbenzene	ND		ug/kg	0.92	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.92	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.2	0.22	1
n-Propylbenzene	ND		ug/kg	0.92	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.70	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	92	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-02	Date Collected:	09/13/13 17:50
Client ID:	G1_SB-10B_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.41	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	87		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-05	Date Collected:	09/13/13 00:00
Client ID:	TB02_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:02		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-05 Date Collected: 09/13/13 00:00

Client ID: TB02_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-05	Date Collected:	09/13/13 00:00
Client ID:	TB02_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318161

Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 03:00		
Analyst:	PS		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	830		ug/kg	180	46.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	73.	1
Hexachlorobenzene	ND		ug/kg	130	41.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	62.	1
2-Chloronaphthalene	ND		ug/kg	220	72.	1
1,2-Dichlorobenzene	ND		ug/kg	220	73.	1
1,3-Dichlorobenzene	ND		ug/kg	220	70.	1
1,4-Dichlorobenzene	ND		ug/kg	220	68.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	48.	1
2,6-Dinitrotoluene	ND		ug/kg	220	57.	1
Fluoranthene	3600		ug/kg	130	41.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	68.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	51.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	78.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	67.	1
Hexachlorobutadiene	ND		ug/kg	220	63.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	140	1
Hexachloroethane	ND		ug/kg	180	40.	1
Isophorone	ND		ug/kg	200	59.	1
Naphthalene	8300		ug/kg	220	74.	1
Nitrobenzene	ND		ug/kg	200	53.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	66.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	58.	1
Butyl benzyl phthalate	ND		ug/kg	220	43.	1
Di-n-butylphthalate	44	J	ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	55.	1
Diethyl phthalate	ND		ug/kg	220	47.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1
Benzo(a)anthracene	1400		ug/kg	130	44.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03 Date Collected: 09/13/13 18:00

Client ID: G1_COMP-10S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1300		ug/kg	180	54.	1
Benzo(b)fluoranthene	1600		ug/kg	130	45.	1
Benzo(k)fluoranthene	780		ug/kg	130	42.	1
Chrysene	1500		ug/kg	130	44.	1
Acenaphthylene	150	J	ug/kg	180	42.	1
Anthracene	1000		ug/kg	130	37.	1
Benzo(ghi)perylene	880		ug/kg	180	46.	1
Fluorene	720		ug/kg	220	64.	1
Phenanthrene	3500		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	250		ug/kg	130	43.	1
Indeno(1,2,3-cd)Pyrene	930		ug/kg	180	49.	1
Pyrene	2900		ug/kg	130	43.	1
Biphenyl	240	J	ug/kg	510	73.	1
4-Chloroaniline	ND		ug/kg	220	59.	1
2-Nitroaniline	ND		ug/kg	220	63.	1
3-Nitroaniline	ND		ug/kg	220	61.	1
4-Nitroaniline	ND		ug/kg	220	60.	1
Dibenzofuran	620		ug/kg	220	74.	1
2-Methylnaphthalene	1200		ug/kg	270	71.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	69.	1
Acetophenone	ND		ug/kg	220	69.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
P-Chloro-M-Cresol	ND		ug/kg	220	64.	1
2-Chlorophenol	ND		ug/kg	220	67.	1
2,4-Dichlorophenol	ND		ug/kg	200	72.	1
2,4-Dimethylphenol	ND		ug/kg	220	66.	1
2-Nitrophenol	ND		ug/kg	480	69.	1
4-Nitrophenol	ND		ug/kg	310	72.	1
2,4-Dinitrophenol	ND		ug/kg	1100	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	81.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	66.	1
2-Methylphenol	ND		ug/kg	220	72.	1
3-Methylphenol/4-Methylphenol	230	J	ug/kg	320	73.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	72.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	530		ug/kg	220	48.	1
Benzaldehyde	660		ug/kg	290	90.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	61.	1
Atrazine	ND		ug/kg	180	50.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	80		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D2	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/25/13 03:17		
Analyst:	PS		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	180000		ug/kg	6500	2000	50
Benzo(b)fluoranthene	88000		ug/kg	6500	2200	50
Phenanthrene	220000		ug/kg	6500	2100	50
Pyrene	140000		ug/kg	6500	2100	50

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 03:28		
Analyst:	PS		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	22000		ug/kg	1700	440	10
1,2,4-Trichlorobenzene	ND		ug/kg	2200	710	10
Hexachlorobenzene	ND		ug/kg	1300	400	10
Bis(2-chloroethyl)ether	ND		ug/kg	1900	600	10
2-Chloronaphthalene	ND		ug/kg	2200	700	10
1,2-Dichlorobenzene	ND		ug/kg	2200	710	10
1,3-Dichlorobenzene	ND		ug/kg	2200	680	10
1,4-Dichlorobenzene	ND		ug/kg	2200	660	10
3,3'-Dichlorobenzidine	ND		ug/kg	2200	570	10
2,4-Dinitrotoluene	ND		ug/kg	2200	460	10
2,6-Dinitrotoluene	ND		ug/kg	2200	550	10
Fluoranthene	160000	E	ug/kg	1300	400	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2200	660	10
4-Bromophenyl phenyl ether	ND		ug/kg	2200	500	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2600	760	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2300	650	10
Hexachlorobutadiene	ND		ug/kg	2200	610	10
Hexachlorocyclopentadiene	ND		ug/kg	6200	1400	10
Hexachloroethane	ND		ug/kg	1700	390	10
Isophorone	ND		ug/kg	1900	570	10
Naphthalene	35000		ug/kg	2200	720	10
Nitrobenzene	ND		ug/kg	1900	510	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1700	450	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2200	640	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2200	560	10
Butyl benzyl phthalate	ND		ug/kg	2200	420	10
Di-n-butylphthalate	ND		ug/kg	2200	420	10
Di-n-octylphthalate	ND		ug/kg	2200	530	10
Diethyl phthalate	ND		ug/kg	2200	460	10
Dimethyl phthalate	ND		ug/kg	2200	550	10
Benzo(a)anthracene	80000		ug/kg	1300	420	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04 D Date Collected: 09/13/13 18:05

Client ID: G1_COMP-10D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	82000		ug/kg	1700	530	10
Benzo(b)fluoranthene	100000	E	ug/kg	1300	440	10
Benzo(k)fluoranthene	35000		ug/kg	1300	410	10
Chrysene	75000		ug/kg	1300	420	10
Acenaphthylene	4300		ug/kg	1700	400	10
Anthracene	44000		ug/kg	1300	360	10
Benzo(ghi)perylene	57000		ug/kg	1700	450	10
Fluorene	28000		ug/kg	2200	620	10
Phenanthrene	150000	E	ug/kg	1300	420	10
Dibenzo(a,h)anthracene	20000		ug/kg	1300	420	10
Indeno(1,2,3-cd)Pyrene	66000		ug/kg	1700	480	10
Pyrene	130000	E	ug/kg	1300	420	10
Biphenyl	4000	J	ug/kg	4900	710	10
4-Chloroaniline	ND		ug/kg	2200	570	10
2-Nitroaniline	ND		ug/kg	2200	610	10
3-Nitroaniline	ND		ug/kg	2200	590	10
4-Nitroaniline	ND		ug/kg	2200	580	10
Dibenzofuran	25000		ug/kg	2200	720	10
2-Methylnaphthalene	11000		ug/kg	2600	690	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2200	670	10
Acetophenone	ND		ug/kg	2200	670	10
2,4,6-Trichlorophenol	ND		ug/kg	1300	410	10
P-Chloro-M-Cresol	ND		ug/kg	2200	620	10
2-Chlorophenol	ND		ug/kg	2200	650	10
2,4-Dichlorophenol	ND		ug/kg	1900	700	10
2,4-Dimethylphenol	ND		ug/kg	2200	640	10
2-Nitrophenol	ND		ug/kg	4600	670	10
4-Nitrophenol	ND		ug/kg	3000	700	10
2,4-Dinitrophenol	ND		ug/kg	10000	2900	10
4,6-Dinitro-o-cresol	ND		ug/kg	5600	790	10
Pentachlorophenol	ND		ug/kg	1700	460	10
Phenol	ND		ug/kg	2200	640	10
2-Methylphenol	ND		ug/kg	2200	690	10
3-Methylphenol/4-Methylphenol	870	J	ug/kg	3100	710	10
2,4,5-Trichlorophenol	ND		ug/kg	2200	700	10
Benzoic Acid	ND		ug/kg	7000	2200	10
Benzyl Alcohol	ND		ug/kg	2200	660	10
Carbazole	28000		ug/kg	2200	460	10
Benzaldehyde	ND		ug/kg	2800	870	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04 D
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	2200	590	10
Atrazine	ND		ug/kg	1700	490	10
2,3,4,6-Tetrachlorophenol	ND		ug/kg	2200	370	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	**159**	Q	23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	117		0-136
4-Terphenyl-d14	60		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	66.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Acenaphthene	97		100		31-137	3		50
Benzidine	48		49			2		50
n-Nitrosodimethylamine	89		91			2		50
1,2,4-Trichlorobenzene	93		96		38-107	3		50
Hexachlorobenzene	98		100		40-140	2		50
Bis(2-chloroethyl)ether	88		90		40-140	2		50
2-Chloronaphthalene	94		97		40-140	3		50
1,2-Dichlorobenzene	92		94		40-140	2		50
1,3-Dichlorobenzene	91		94		40-140	3		50
1,4-Dichlorobenzene	91		93		28-104	2		50
3,3'-Dichlorobenzidine	82		84		40-140	2		50
2,4-Dinitrotoluene	**101**	Q	**105**	Q	28-89	4		50
2,6-Dinitrotoluene	99		104		40-140	5		50
Fluoranthene	104		108		40-140	4		50
4-Chlorophenyl phenyl ether	98		101		40-140	3		50
4-Bromophenyl phenyl ether	100		104		40-140	4		50
Azobenzene	96		98		40-140	2		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	91		92		40-117	1		50
Hexachlorobutadiene	94		100		40-140	6		50
Hexachlorocyclopentadiene	107		112		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Hexachloroethane	91		94		40-140	3		50
Isophorone	92		95		40-140	3		50
Naphthalene	94		98		40-140	4		50
Nitrobenzene	109		114		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		106			3		50
n-Nitrosodi-n-propylamine	93		96		32-121	3		50
Bis(2-Ethylhexyl)phthalate	110		**170**	Q	40-140	43		50
Butyl benzyl phthalate	110		113		40-140	3		50
Di-n-butylphthalate	114		118		40-140	3		50
Di-n-octylphthalate	115		120		40-140	4		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	99		104		40-140	5		50
Benzo(a)anthracene	99		106		40-140	7		50
Benzo(a)pyrene	108		114		40-140	5		50
Benzo(b)fluoranthene	107		110		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	99		100		40-140	1		50
Acenaphthylene	100		103		40-140	3		50
Anthracene	107		111		40-140	4		50
Benzo(ghi)perylene	101		108		40-140	7		50
Fluorene	98		103		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Phenanthrene	99		103		40-140	4		50
Dibenzo(a,h)anthracene	111		114		40-140	3		50
Indeno(1,2,3-cd)Pyrene	102		110		40-140	8		50
Pyrene	101		103		35-142	2		50
Biphenyl	105		108			3		50
Aniline	81		84		40-140	4		50
4-Chloroaniline	72		70		40-140	3		50
2-Nitroaniline	103		106		47-134	3		50
3-Nitroaniline	63		63		26-129	0		50
4-Nitroaniline	97		101		41-125	4		50
Dibenzofuran	97		101		40-140	4		50
2-Methylnaphthalene	92		94		40-140	2		50
1,2,4,5-Tetrachlorobenzene	103		107		40-117	4		50
Acetophenone	100		105		14-144	5		50
2,4,6-Trichlorophenol	114		119		30-130	4		50
P-Chloro-M-Cresol	**109**	Q	**112**	Q	26-103	3		50
2-Chlorophenol	100		**104**	Q	25-102	4		50
2,4-Dichlorophenol	109		114		30-130	4		50
2,4-Dimethylphenol	101		106		30-130	5		50
2-Nitrophenol	102		107		30-130	5		50
4-Nitrophenol	**119**	Q	**123**	Q	11-114	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
2,4-Dinitrophenol	114		125		4-130	9		50
4,6-Dinitro-o-cresol	106		115		10-130	8		50
Pentachlorophenol	102		107		17-109	5		50
Phenol	**100**	Q	**102**	Q	26-90	2		50
2-Methylphenol	103		106		30-130.	3		50
3-Methylphenol/4-Methylphenol	110		113		30-130	3		50
2,4,5-Trichlorophenol	109		114		30-130	4		50
Benzoic Acid	86		94			9		50
Benzyl Alcohol	94		101		40-140	7		50
Carbazole	101		103		54-128	2		50
Benzaldehyde	94		94			0		50
Caprolactam	109		114			4		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	113		114			1		50
Pyridine	78		78		10-93	0		50
Parathion, ethyl	129		134		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	104		107		25-120
Phenol-d6	99		102		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		101		30-120
2,4,6-Tribromophenol	104		108		0-136
4-Terphenyl-d14	90		93		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/19/13 13:11		
Analyst:	AR		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	414000		ug/kg	43800	4280	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 20:57		
Analyst:	JV		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	30000		ug/kg	3400	66.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 17:56		
Analyst:	GT		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	700	J	ug/kg	3300	63.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	88		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/19/13 02:34		
Analyst:	AR		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	2430000		ug/kg	428000	41900	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03-04 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-04 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: MS Sample												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: DUP Sample					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:55	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	73%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.9	8.88	1	A
Aroclor 1221	ND		ug/kg	44.9	13.6	1	A
Aroclor 1232	ND		ug/kg	44.9	9.55	1	A
Aroclor 1242	ND		ug/kg	44.9	8.53	1	A
Aroclor 1248	ND		ug/kg	44.9	5.44	1	A
Aroclor 1254	ND		ug/kg	44.9	7.08	1	A
Aroclor 1260	ND		ug/kg	44.9	7.80	1	A
Aroclor 1262	ND		ug/kg	44.9	3.32	1	A
Aroclor 1268	ND		ug/kg	44.9	6.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:08	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	77%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	8.10	1	A
Aroclor 1221	ND		ug/kg	41.0	12.4	1	A
Aroclor 1232	ND		ug/kg	41.0	8.71	1	A
Aroclor 1242	ND		ug/kg	41.0	7.79	1	A
Aroclor 1248	ND		ug/kg	41.0	4.96	1	A
Aroclor 1254	ND		ug/kg	41.0	6.47	1	A
Aroclor 1260	ND		ug/kg	41.0	7.12	1	A
Aroclor 1262	ND		ug/kg	41.0	3.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318161

Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 11:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	226	27.5	1	A
2,4,5-T	ND		ug/kg	226	14.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	226	12.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03 D	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:50	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	20.9	4.10	10	A
Lindane	ND		ug/kg	8.72	3.90	10	A
Alpha-BHC	ND		ug/kg	8.72	2.48	10	A
Beta-BHC	ND		ug/kg	20.9	7.94	10	A
Heptachlor	ND		ug/kg	10.5	4.69	10	A
Aldrin	ND		ug/kg	20.9	7.37	10	A
Heptachlor epoxide	ND		ug/kg	39.3	11.8	10	A
Endrin	ND		ug/kg	8.72	3.58	10	A
Endrin ketone	ND		ug/kg	20.9	5.39	10	A
Dieldrin	ND		ug/kg	13.1	6.54	10	A
4,4'-DDE	ND		ug/kg	20.9	4.84	10	A
4,4'-DDD	ND		ug/kg	20.9	7.47	10	A
4,4'-DDT	21.1	J	ug/kg	39.3	16.8	10	A
Endosulfan I	ND		ug/kg	20.9	4.95	10	A
Endosulfan II	ND		ug/kg	20.9	7.00	10	A
Endosulfan sulfate	ND		ug/kg	8.72	3.99	10	A
Methoxychlor	ND		ug/kg	39.3	12.2	10	A
Toxaphene	ND		ug/kg	393	110.	10	A
cis-Chlordane	ND		ug/kg	26.2	7.29	10	A
trans-Chlordane	ND		ug/kg	26.2	6.91	10	A
Chlordane	ND		ug/kg	170	69.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	141		30-150	A
Decachlorobiphenyl	**180**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 12:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	212	25.8	1	A
2,4,5-T	ND		ug/kg	212	13.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	212	11.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 11:03	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.8	3.88	10	A
Lindane	ND		ug/kg	8.25	3.69	10	A
Alpha-BHC	ND		ug/kg	8.25	2.34	10	A
Beta-BHC	ND		ug/kg	19.8	7.50	10	A
Heptachlor	ND		ug/kg	9.90	4.44	10	A
Aldrin	ND		ug/kg	19.8	6.97	10	A
Heptachlor epoxide	ND		ug/kg	37.1	11.1	10	A
Endrin	ND		ug/kg	8.25	3.38	10	A
Endrin ketone	ND		ug/kg	19.8	5.10	10	A
Dieldrin	ND		ug/kg	12.4	6.18	10	A
4,4'-DDE	ND		ug/kg	19.8	4.58	10	A
4,4'-DDD	ND		ug/kg	19.8	7.06	10	A
4,4'-DDT	ND		ug/kg	37.1	15.9	10	A
Endosulfan I	ND		ug/kg	19.8	4.68	10	A
Endosulfan II	ND		ug/kg	19.8	6.61	10	A
Endosulfan sulfate	ND		ug/kg	8.25	3.77	10	A
Methoxychlor	ND		ug/kg	37.1	11.5	10	A
Toxaphene	ND		ug/kg	371	104.	10	A
cis-Chlordane	ND		ug/kg	24.7	6.89	10	A
trans-Chlordane	ND		ug/kg	24.7	6.53	10	A
Chlordane	ND		ug/kg	161	65.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		30-150	A
Decachlorobiphenyl	**307**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 09:34
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/18/13 19:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04 Batch: WG637232-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.293	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637232-2 WG637232-3									
Delta-BHC	76		82		30-150	8		30	A
Lindane	68		81		30-150	17		30	A
Alpha-BHC	74		77		30-150	4		30	A
Beta-BHC	78		82		30-150	5		30	A
Heptachlor	79		83		30-150	5		30	A
Aldrin	78		82		30-150	5		30	A
Heptachlor epoxide	69		73		30-150	6		30	A
Endrin	80		85		30-150	6		30	A
Endrin ketone	69		72		30-150	4		30	A
Dieldrin	72		77		30-150	7		30	A
4,4'-DDE	70		74		30-150	6		30	A
4,4'-DDD	72		77		30-150	7		30	A
4,4'-DDT	72		75		30-150	4		30	A
Endosulfan I	72		76		30-150	5		30	A
Endosulfan II	64		67		30-150	5		30	A
Endosulfan sulfate	67		70		30-150	4		30	A
Methoxychlor	70		74		30-150	6		30	A
cis-Chlordane	71		77		30-150	8		30	A
trans-Chlordane	72		76		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637232-2 WG637232-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	102		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		76		30-150	B
Decachlorobiphenyl	117		137		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Barium, TCLP	0.25	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Lead, TCLP	0.24	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:25	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03
Client ID: G1_COMP-10S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 73%

Date Collected: 09/13/13 18:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	11	2.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.3	0.85	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Arsenic, Total	16		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Barium, Total	150		mg/kg	1.1	0.32	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Beryllium, Total	0.52	J	mg/kg	0.53	0.11	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Cadmium, Total	0.69	J	mg/kg	1.1	0.08	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Calcium, Total	14000		mg/kg	11	3.2	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Chromium, Total	26		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	2.1	0.53	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Copper, Total	66		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	5.3	2.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Lead, Total	210		mg/kg	5.3	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Magnesium, Total	2700		mg/kg	11	1.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Manganese, Total	140		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Mercury, Total	0.47		mg/kg	0.11	0.02	1	09/21/13 12:30	09/23/13 10:22	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.7	0.43	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Potassium, Total	930		mg/kg	270	43.	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Selenium, Total	1.7	J	mg/kg	2.1	0.32	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Sodium, Total	420		mg/kg	210	32.	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.1	0.43	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Vanadium, Total	46		mg/kg	1.1	0.11	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Zinc, Total	110		mg/kg	5.3	0.75	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Barium, TCLP	0.13	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Lead, TCLP	0.22	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:27	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318161
Project Number: 170229002
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 77%

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	12000		mg/kg	9.9	2.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.0	0.79	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Barium, Total	180		mg/kg	0.99	0.30	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Beryllium, Total	1.0		mg/kg	0.50	0.10	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.99	0.07	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Calcium, Total	14000		mg/kg	9.9	3.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Chromium, Total	29		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Cobalt, Total	20		mg/kg	2.0	0.50	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Copper, Total	180		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	5.0	2.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Lead, Total	370		mg/kg	5.0	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Magnesium, Total	3000		mg/kg	9.9	0.99	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Manganese, Total	800		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Mercury, Total	0.91		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:24	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	2.5	0.40	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Potassium, Total	1700		mg/kg	250	40.	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Selenium, Total	0.80	J	mg/kg	2.0	0.30	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Sodium, Total	460		mg/kg	200	30.	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.40	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Vanadium, Total	26		mg/kg	0.99	0.10	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Zinc, Total	240		mg/kg	5.0	0.69	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04 Batch: WG637994-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Barium, TCLP	0.05	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Lead, TCLP	0.02	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/20/13 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04 Batch: WG638032-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:15	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/20/13 15:00

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 Batch: WG637994-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 Batch: WG638032-2					
Mercury, TCLP	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637994-4 QC Sample: L1318159-04 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.37J	20	20	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.51	100		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95		-	-	75-125	-	20
Lead, TCLP	0.72	5.1	6.0	104		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG638032-4 QC Sample: L1318159-04 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0253	101		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637994-3 QC Sample: L1318159-04 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.37J	0.38J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.72	0.71	mg/l	1	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG638032-3 QC Sample: L1318159-04 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01
Client ID: G1_SB-10B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-02
Client ID: G1_SB-10B_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:50
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03
Client ID: G1_COMP-10S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 18:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	26		mg/kg	1.1	1.1	1	-	09/23/13 11:29	107,-	JO
Solids, Total	73.0		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.31	1	09/18/13 12:55	09/18/13 16:15	1,9010C/9012A	JO
pH (H)	7.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.25	1	09/16/13 22:00	09/18/13 00:24	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	29		mg/kg	1.0	1.0	1	-	09/23/13 11:29	107,-	JO
Solids, Total	76.6		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.30	1	09/18/13 12:55	09/18/13 16:16	1,9010C/9012A	JO
pH (H)	7.5		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 22:00	09/18/13 00:24	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG636928-1 QC Sample: L1318159-02 Client ID: DUP Sample						
Solids, Total	88.5	89.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:31

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-01A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01D	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01E	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01F	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01G	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1318161-02A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02D	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02E	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02F	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02G	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1318161-03A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TPH-GRO(14)
L1318161-03B	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-03C	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318161-03X	Plastic 250ml HNO3 preserved spl	A	N/A	4.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318161-04A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TPH-GRO(14)
L1318161-04B	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-04C	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318161-04X	Plastic 250ml HNO3 preserved spl	A	N/A	4.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318161-05A	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1318161-05B	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318161
Project Number: 170229002 **Report Date:** 10/03/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318161

Client Information

Client: Langan, DPC

Address: 360 W 31st St 8th fl New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKAO@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygordetsky

ALPHA Quote #: 20139653

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/25/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYS DEC	6NYCRR375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total Cyanide, TCLP, SCIA, RCRA Chem	TS	SVOC, PCB, Pest, HPAH	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
1	G-2-SB-10B-(4-4.5)	9/13/13	17:45	Soil	MB	X	X					G2_SB-10B_4-4.5	4
2	G-2-SB-10B-(9.5-10)	9/13/13	17:50			X	X					G2_SB-10B_9.5-10	4
3	G-2-COMP-10S-0-5		1800				X	X	X				3
4	G-2-COMP-10D-5-10		1805				X	X	X				3
5	Field Blank									X		TB02_091313	2

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do

(Please specify below)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	Sin Pater	9/13/13 1815
Sin Pater	9/13/13 2035	Tom Tobin	9/13/13 2035
Tom Tobin	9/13/13	RG	9/14/13 0020

COOLER E

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318161

Client Information

Client: Langan, DPC
Address: 360 W 31st St 8th fl
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygordetsky
ALPHA Quote #: 20139653

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/25/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYS DEC ~~[illegible]~~	6NYCRR375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Chromium, Hexavalent, TCLP, SPLP, RCRA Char	TS	SVOC, PCB, Pest, Herb, TPH, BTEX	TPH GRO	VOC	Sample Specific Comments	TOTAL # BOTTLES
18161-1	G-2-SB-10B-(4-4.5)	9/13/13	17:45	Soil	WB	X		X					4
2	G-2-SB-10B-(9.5-10)	9/13/13	17:50	↓		X		X					4
3	G-2-COMP-10S-0-5		1800				X		X X				3
4	G-2-COMP-10D-5-10		1805				X		X X				3
5	Field Blank									X			2

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type													
Preservative													

COOLER E

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible] 9/13/13	1815
[illegible]	9/13/13 2035	Tom Tobin	9/13/13 2035
Tom Tobin	9/13/13	[illegible]	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318162
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318162-01	G1_COMP-09S_0-5	BROOKLYN, NY	09/13/13 16:10
L1318162-02	G1_COMP-09D_5-10	BROOKLYN, NY	09/13/13 16:20
L1318162-03	G1_SB-09A_9.5-10	BROOKLYN, NY	09/13/13 16:00
L1318162-04	G1_SB-09A_3.5-4	BROOKLYN, NY	09/13/13 15:55
L1318162-05	TB04_091313	BROOKLYN, NY	09/13/13 00:00
L1318162-06	G2_SB-06B_4.5-5	BROOKLYN, NY	09/13/13 17:00
L1318162-07	G2_SB-06C_9.5-10	BROOKLYN, NY	09/13/13 17:15
L1318162-08	G2_COMP-06S_0-5	BROOKLYN, NY	09/13/13 17:30
L1318162-09	G2_COMP-06D_5-10	BROOKLYN, NY	09/13/13 17:35

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The sample IDs were confirmed by the client.

Volatile Organics

The surrogate recovery for L1318162-07 is below the acceptance criteria for dibromofluoromethane (26%), due to a known matrix effect caused by the high pH of the sample (>10).

Pesticides

L1318162-01, -02, -08, and -09 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318162-01, -02, -08, and -09 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-03	Date Collected:	09/13/13 16:00
Client ID:	G1_SB-09A_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 12:27		
Analyst:	PP		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.1	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.27	1
Chloroform	ND		ug/kg	2.3	0.57	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.4	0.35	1
Dibromochloromethane	ND		ug/kg	1.5	0.47	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.47	1
Tetrachloroethene	ND		ug/kg	1.5	0.22	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.7	0.19	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.20	1
1,1-Dichloropropene	ND		ug/kg	7.7	0.70	1
Bromoform	ND		ug/kg	6.1	0.64	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.26	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.3	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.23	1
Chloromethane	ND		ug/kg	7.7	1.2	1
Bromomethane	ND		ug/kg	3.1	0.52	1
Vinyl chloride	ND		ug/kg	3.1	0.22	1
Chloroethane	ND		ug/kg	3.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.32	1
Trichloroethene	0.40	J	ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.7	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.7	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	7.7	0.37	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-03 Date Collected: 09/13/13 16:00

Client ID: G1_SB-09A_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.1	0.16	1
p/m-Xylene	ND		ug/kg	3.1	0.50	1
o-Xylene	ND		ug/kg	3.1	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.23	1
Dibromomethane	ND		ug/kg	15	0.25	1
Styrene	ND		ug/kg	3.1	0.48	1
Dichlorodifluoromethane	ND		ug/kg	15	0.34	1
Acetone	ND		ug/kg	15	4.8	1
Carbon disulfide	ND		ug/kg	15	3.1	1
2-Butanone	ND		ug/kg	15	0.54	1
Vinyl acetate	ND		ug/kg	15	0.74	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.34	1
2-Hexanone	ND		ug/kg	15	0.29	1
Bromochloromethane	ND		ug/kg	7.7	0.30	1
2,2-Dichloropropane	ND		ug/kg	7.7	0.35	1
1,2-Dibromoethane	ND		ug/kg	6.1	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.7	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.49	1
Bromobenzene	ND		ug/kg	7.7	0.32	1
n-Butylbenzene	ND		ug/kg	1.5	0.30	1
sec-Butylbenzene	ND		ug/kg	1.5	0.32	1
tert-Butylbenzene	ND		ug/kg	7.7	0.86	1
o-Chlorotoluene	ND		ug/kg	7.7	0.24	1
p-Chlorotoluene	ND		ug/kg	7.7	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.7	0.65	1
Isopropylbenzene	ND		ug/kg	1.5	0.26	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.29	1
Naphthalene	1.3	J	ug/kg	7.7	1.2	1
Acrylonitrile	ND		ug/kg	15	0.36	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.7	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.7	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.7	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.7	0.88	1
Methyl Acetate	ND		ug/kg	31	1.2	1
Cyclohexane	ND		ug/kg	31	1.6	1
1,4-Dioxane	ND		ug/kg	150	27.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-03	Date Collected:	09/13/13 16:00
Client ID:	G1_SB-09A_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	31	0.42	1
p-Diethylbenzene	ND		ug/kg	6.1	0.24	1
p-Ethyltoluene	ND		ug/kg	6.1	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.1	0.20	1
Ethyl ether	ND		ug/kg	7.7	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	0.69	1
Methyl cyclohexane	ND		ug/kg	6.1	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-04	Date Collected:	09/13/13 15:55
Client ID:	G1_SB-09A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 12:54		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.58	1
Bromoform	ND		ug/kg	5.1	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	0.28	J	ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.3	0.99	1
Bromomethane	ND		ug/kg	2.5	0.43	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	24		ug/kg	1.3	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.31	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-04 Date Collected: 09/13/13 15:55

Client ID: G1_SB-09A_3.5-4 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.41	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	ND		ug/kg	13	3.9	1
Carbon disulfide	ND		ug/kg	13	2.5	1
2-Butanone	ND		ug/kg	13	0.45	1
Vinyl acetate	ND		ug/kg	13	0.61	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.28	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.3	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.3	0.71	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.53	1
Isopropylbenzene	ND		ug/kg	1.3	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.24	1
Naphthalene	ND		ug/kg	6.3	0.97	1
Acrylonitrile	ND		ug/kg	13	0.30	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.72	1
Methyl Acetate	ND		ug/kg	25	0.96	1
Cyclohexane	ND		ug/kg	25	1.4	1
1,4-Dioxane	ND		ug/kg	130	22.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-04	Date Collected:	09/13/13 15:55
Client ID:	G1_SB-09A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	25	0.34	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.57	1
Methyl cyclohexane	ND		ug/kg	5.1	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-05	Date Collected:	09/13/13 00:00
Client ID:	TB04_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 14:29		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-05 Date Collected: 09/13/13 00:00

Client ID: TB04_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-05	Date Collected:	09/13/13 00:00
Client ID:	TB04_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	110		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-06	Date Collected:	09/13/13 17:00
Client ID:	G2_SB-06B_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 15:42		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.49	1
Bromoform	ND		ug/kg	4.3	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.32	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.84	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-06 Date Collected: 09/13/13 17:00

Client ID: G2_SB-06B_4.5-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.35	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	8.8	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	1.8	J	ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.60	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.85	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	ND		ug/kg	5.4	0.82	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.85	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.61	1
Methyl Acetate	ND		ug/kg	21	0.82	1
Cyclohexane	ND		ug/kg	21	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-06	Date Collected:	09/13/13 17:00
Client ID:	G2_SB-06B_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.48	1
Methyl cyclohexane	ND		ug/kg	4.3	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-07	Date Collected:	09/13/13 17:15
Client ID:	G2_SB-06C_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 15:14		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.47	1
Bromoform	ND		ug/kg	4.1	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.31	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-07 Date Collected: 09/13/13 17:15

Client ID: G2_SB-06C_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	4.3	J	ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.1	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.81	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.1	0.79	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.81	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.59	1
Methyl Acetate	ND		ug/kg	20	0.78	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-07	Date Collected:	09/13/13 17:15
Client ID:	G2_SB-06C_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.46	1
Methyl cyclohexane	ND		ug/kg	4.1	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	**26**	Q	70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
Methylene chloride	2.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
Freon-113	85		79		50-139	7		30
p-Diethylbenzene	102		97		70-130	5		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	109		104		70-130	5		20
Chloroform	113		109		70-130	4		20
2-Chloroethylvinyl ether	84		85		70-130	1		20
Carbon tetrachloride	122		115		63-132	6		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	108		107		63-130	1		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	127		119		62-150	7		20
1,2-Dichloroethane	123		119		70-130	3		20
1,1,1-Trichloroethane	122		114		67-130	7		20
Bromodichloromethane	113		112		67-130	1		20
trans-1,3-Dichloropropene	103		104		70-130	1		20
cis-1,3-Dichloropropene	107		105		70-130	2		20
1,1-Dichloropropene	111		104		70-130	7		20
Bromoform	105		111		54-136	6		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	104		99		70-130	5		20
Toluene	94		90		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Ethylbenzene	100		96		70-130	4		20
Chloromethane	**60**	Q	69		64-130	14		20
Bromomethane	61		68		39-139	11		20
Vinyl chloride	94		88		55-140	7		20
Chloroethane	119		113		55-138	5		20
1,1-Dichloroethene	114		105		61-145	8		20
trans-1,2-Dichloroethene	110		104		70-130	6		20
Trichloroethene	109		103		70-130	6		20
1,2-Dichlorobenzene	92		98		70-130	6		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	119		118		63-130	1		20
p/m-Xylene	100		98		70-130	2		20
o-Xylene	101		99		70-130	2		20
cis-1,2-Dichloroethene	107		102		70-130	5		20
Dibromomethane	109		111		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	98		102		70-130	4		20
Isopropyl Ether	108		103		70-130	5		20
tert-Butyl Alcohol	**138**	Q	**156**	Q	70-130	12		20
Styrene	101		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Dichlorodifluoromethane	88		83		36-147	6		20
Acetone	134		**158**	Q	58-148	16		20
Carbon disulfide	104		97		51-130	7		20
2-Butanone	116		115		63-138	1		20
Vinyl acetate	111		112		70-130	1		20
4-Methyl-2-pentanone	109		106		59-130	3		20
2-Hexanone	104		113		57-130	8		20
Bromochloromethane	120		117		70-130	3		20
2,2-Dichloropropane	133		120		63-133	10		20
1,2-Dibromoethane	103		104		70-130	1		20
1,3-Dichloropropane	99		98		70-130	1		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	91		90		53-136	1		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		97		70-130	1		20
p-Chlorotoluene	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20
Hexachlorobutadiene	102		105		63-130	3		20
Isopropylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
p-Isopropyltoluene	96		96		70-130	0		20
Naphthalene	92		97		70-130	5		20
n-Propylbenzene	92		92		69-130	0		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
Methyl Acetate	112		116		70-130	4		20
Ethyl Acetate	114		114		70-130	0		20
Cyclohexane	106		96		70-130	10		20
Ethyl-Tert-Butyl-Ether	114		113		70-130	1		20
Tertiary-Amyl Methyl Ether	112		111		66-130	1		20
1,4-Dioxane	121		138		56-162	13		20
Freon-113	118		107		70-130	10		20
p-Diethylbenzene	94		94		70-130	0		20
p-Ethyltoluene	94		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		20
Ethyl ether	114		112		59-134	2		20
trans-1,4-Dichloro-2-butene	89		100		70-130	12		20
Methyl cyclohexane	109		100		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	91		84		70-130	8		30
1,2-Dichloropropane	92		87		70-130	6		30
Dibromochloromethane	89		84		70-130	6		30
1,1,2-Trichloroethane	92		86		70-130	7		30
Tetrachloroethene	91		84		70-130	8		30
Chlorobenzene	91		85		70-130	7		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	94		89		70-130	5		30
1,1,1-Trichloroethane	92		86		70-130	7		30
Bromodichloromethane	92		85		70-130	8		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	89		84		70-130	6		30
1,1-Dichloropropene	92		84		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	92		85		70-130	8		30
Toluene	91		83		70-130	9		30
Ethylbenzene	92		84		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
Chloromethane	89		80		52-130	11		30
Bromomethane	99		88		57-147	12		30
Vinyl chloride	91		82		67-130	10		30
Chloroethane	116		102		50-151	13		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	92		84		70-130	9		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	90		86		70-130	5		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	93		87		70-130	7		30
cis-1,2-Dichloroethene	93		86		70-130	8		30
Dibromomethane	92		88		70-130	4		30
Styrene	95		88		70-130	8		30
Dichlorodifluoromethane	77		70		30-146	10		30
Acetone	133		114		54-140	15		30
Carbon disulfide	91		83		59-130	9		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	85		80		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
4-Methyl-2-pentanone	90		88		70-130	2		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	95		91		70-130	4		30
2,2-Dichloropropane	94		86		70-130	9		30
1,2-Dibromoethane	90		85		70-130	6		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	89		85		70-130	5		30
tert-Butylbenzene	89		86		70-130	3		30
o-Chlorotoluene	73		86		70-130	16		30
p-Chlorotoluene	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	80		85		68-130	6		30
Hexachlorobutadiene	87		81		67-130	7		30
Isopropylbenzene	91		86		70-130	6		30
p-Isopropyltoluene	91		86		70-130	6		30
Naphthalene	92		88		70-130	4		30
Acrylonitrile	94		88		70-130	7		30
Isopropyl Ether	95		90		66-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								
tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	90		86		70-130	5		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	94		90		70-130	4		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	91		88		70-130	3		30
Methyl Acetate	90		89		51-146	1		30
Ethyl Acetate	93		89		70-130	4		30
Acrolein	89		82		70-130	8		30
Cyclohexane	86		78		59-142	10		30
1,4-Dioxane	88		85		65-136	3		30
Freon-113	82		74		50-139	10		30
p-Diethylbenzene	91		87		70-130	4		30
p-Ethyltoluene	91		87		70-130	4		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	92		88		67-130	4		30
trans-1,4-Dichloro-2-butene	89		85		70-130	5		30
Methyl cyclohexane	80		74		70-130	8		30
Ethyl-Tert-Butyl-Ether	93		89		70-130	4		30
Tertiary-Amyl Methyl Ether	93		88		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG638134-1 WG638134-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 19:16		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	93.	2
Fluoranthene	11000		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	1500		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	71.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	6300		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01 D Date Collected: 09/13/13 16:10

Client ID: G1_COMP-09S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	6800		ug/kg	290	88.	2
Benzo(b)fluoranthene	7400		ug/kg	220	73.	2
Benzo(k)fluoranthene	3200		ug/kg	220	69.	2
Chrysene	6300		ug/kg	220	71.	2
Acenaphthylene	460		ug/kg	290	68.	2
Anthracene	3800		ug/kg	220	60.	2
Benzo(ghi)perylene	4300		ug/kg	290	75.	2
Fluorene	1600		ug/kg	360	100	2
Phenanthrene	9000		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	1300		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	4200		ug/kg	290	80.	2
Pyrene	10000		ug/kg	220	70.	2
Biphenyl	200	J	ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	96.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	860		ug/kg	360	120	2
2-Methylnaphthalene	700		ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	510	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	500	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	1300		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01 D Date Collected: 09/13/13 16:10

Client ID: G1_COMP-09S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	75		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D2	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/20/13 14:28		
Analyst:	JB		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	25000		ug/kg	550	170	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 19:44		
Analyst:	JB		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2500		ug/kg	370	94.	2
1,2,4-Trichlorobenzene	ND		ug/kg	460	150	2
Hexachlorobenzene	ND		ug/kg	280	85.	2
Bis(2-chloroethyl)ether	ND		ug/kg	410	130	2
2-Chloronaphthalene	ND		ug/kg	460	150	2
1,2-Dichlorobenzene	ND		ug/kg	460	150	2
1,3-Dichlorobenzene	ND		ug/kg	460	140	2
1,4-Dichlorobenzene	ND		ug/kg	460	140	2
3,3'-Dichlorobenzidine	ND		ug/kg	460	120	2
2,4-Dinitrotoluene	ND		ug/kg	460	99.	2
2,6-Dinitrotoluene	ND		ug/kg	460	120	2
Fluoranthene	21000	E	ug/kg	280	84.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	460	140	2
4-Bromophenyl phenyl ether	ND		ug/kg	460	100	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	550	160	2
Bis(2-chloroethoxy)methane	ND		ug/kg	500	140	2
Hexachlorobutadiene	ND		ug/kg	460	130	2
Hexachlorocyclopentadiene	ND		ug/kg	1300	290	2
Hexachloroethane	ND		ug/kg	370	83.	2
Isophorone	ND		ug/kg	410	120	2
Naphthalene	2800		ug/kg	460	150	2
Nitrobenzene	ND		ug/kg	410	110	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	370	96.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	460	140	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	460	120	2
Butyl benzyl phthalate	ND		ug/kg	460	90.	2
Di-n-butylphthalate	ND		ug/kg	460	88.	2
Di-n-octylphthalate	ND		ug/kg	460	110	2
Diethyl phthalate	ND		ug/kg	460	97.	2
Dimethyl phthalate	ND		ug/kg	460	120	2
Benzo(a)anthracene	9800		ug/kg	280	90.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02 D Date Collected: 09/13/13 16:20

Client ID: G1_COMP-09D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	10000		ug/kg	370	110	2
Benzo(b)fluoranthene	12000		ug/kg	280	92.	2
Benzo(k)fluoranthene	4000		ug/kg	280	87.	2
Chrysene	10000		ug/kg	280	90.	2
Acenaphthylene	1800		ug/kg	370	86.	2
Anthracene	5800		ug/kg	280	76.	2
Benzo(ghi)perylene	6300		ug/kg	370	95.	2
Fluorene	2700		ug/kg	460	130	2
Phenanthrene	17000		ug/kg	280	90.	2
Dibenzo(a,h)anthracene	1500		ug/kg	280	89.	2
Indeno(1,2,3-cd)Pyrene	6900		ug/kg	370	100	2
Pyrene	18000		ug/kg	280	89.	2
Biphenyl	410	J	ug/kg	1000	150	2
4-Chloroaniline	ND		ug/kg	460	120	2
2-Nitroaniline	ND		ug/kg	460	130	2
3-Nitroaniline	ND		ug/kg	460	130	2
4-Nitroaniline	ND		ug/kg	460	120	2
Dibenzofuran	2100		ug/kg	460	150	2
2-Methylnaphthalene	1100		ug/kg	550	150	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	460	140	2
Acetophenone	ND		ug/kg	460	140	2
2,4,6-Trichlorophenol	ND		ug/kg	280	86.	2
P-Chloro-M-Cresol	ND		ug/kg	460	130	2
2-Chlorophenol	ND		ug/kg	460	140	2
2,4-Dichlorophenol	ND		ug/kg	410	150	2
2,4-Dimethylphenol	ND		ug/kg	460	140	2
2-Nitrophenol	ND		ug/kg	990	140	2
4-Nitrophenol	ND		ug/kg	640	150	2
2,4-Dinitrophenol	ND		ug/kg	2200	630	2
4,6-Dinitro-o-cresol	ND		ug/kg	1200	170	2
Pentachlorophenol	ND		ug/kg	370	98.	2
Phenol	170	J	ug/kg	460	140	2
2-Methylphenol	ND		ug/kg	460	150	2
3-Methylphenol/4-Methylphenol	290	J	ug/kg	660	150	2
2,4,5-Trichlorophenol	ND		ug/kg	460	150	2
Benzoic Acid	ND		ug/kg	1500	460	2
Benzyl Alcohol	ND		ug/kg	460	140	2
Carbazole	2100		ug/kg	460	98.	2
Benzaldehyde	ND		ug/kg	600	180	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	460	130	2
Atrazine	ND		ug/kg	370	100	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	460	78.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	77		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 20:11		
Analyst:	JB		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	760		ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	70.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	81.	2
2,6-Dinitrotoluene	ND		ug/kg	380	96.	2
Fluoranthene	12000		ug/kg	230	69.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	110	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	900		ug/kg	380	120	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	79.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	99.	2
Butyl benzyl phthalate	180	J	ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2
Benzo(a)anthracene	6800		ug/kg	230	74.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08 D Date Collected: 09/13/13 17:30

Client ID: G2_COMP-06S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	8000		ug/kg	300	92.	2
Benzo(b)fluoranthene	9000		ug/kg	230	76.	2
Benzo(k)fluoranthene	3000		ug/kg	230	72.	2
Chrysene	7200		ug/kg	230	74.	2
Acenaphthylene	1000		ug/kg	300	70.	2
Anthracene	2500		ug/kg	230	63.	2
Benzo(ghi)perylene	5000		ug/kg	300	78.	2
Fluorene	900		ug/kg	380	110	2
Phenanthrene	8900		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	1300		ug/kg	230	73.	2
Indeno(1,2,3-cd)Pyrene	5300		ug/kg	300	84.	2
Pyrene	11000		ug/kg	230	73.	2
Biphenyl	130	J	ug/kg	860	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	750		ug/kg	380	120	2
2-Methylnaphthalene	340	J	ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	71.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	810	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	980	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	1100		ug/kg	380	81.	2
Benzaldehyde	ND		ug/kg	500	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08 D Date Collected: 09/13/13 17:30

Client ID: G2_COMP-06S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	380	100	2
Atrazine	ND		ug/kg	300	85.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	380	64.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	85		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 20:39		
Analyst:	JB		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	430		ug/kg	160	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	4400		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	200	J	ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Benzo(a)anthracene	1900		ug/kg	120	40.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09 Date Collected: 09/13/13 17:35

Client ID: G2_COMP-06D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1600		ug/kg	160	51.	1
Benzo(b)fluoranthene	1900		ug/kg	120	42.	1
Benzo(k)fluoranthene	650		ug/kg	120	40.	1
Chrysene	1900		ug/kg	120	41.	1
Acenaphthylene	68	J	ug/kg	160	39.	1
Anthracene	930		ug/kg	120	34.	1
Benzo(ghi)perylene	780		ug/kg	160	43.	1
Fluorene	510		ug/kg	210	59.	1
Phenanthrene	4200		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	250		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	880		ug/kg	160	46.	1
Pyrene	3800		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	320		ug/kg	210	69.	1
2-Methylnaphthalene	110	J	ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	370		ug/kg	210	44.	1
Benzaldehyde	230	J	ug/kg	270	84.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	57.	1
Atrazine	ND		ug/kg	160	47.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	65		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Acenaphthene	108		96		31-137	12		50
1,2,4-Trichlorobenzene	94		86		38-107	9		50
Hexachlorobenzene	109		97		40-140	12		50
Bis(2-chloroethyl)ether	90		81		40-140	11		50
2-Chloronaphthalene	102		91		40-140	11		50
1,2-Dichlorobenzene	93		83		40-140	11		50
1,3-Dichlorobenzene	90		81		40-140	11		50
1,4-Dichlorobenzene	91		82		28-104	10		50
3,3'-Dichlorobenzidine	76		67		40-140	13		50
2,4-Dinitrotoluene	**114**	Q	**104**	Q	28-89	9		50
2,6-Dinitrotoluene	112		102		40-140	9		50
Fluoranthene	116		104		40-140	11		50
4-Chlorophenyl phenyl ether	110		99		40-140	11		50
4-Bromophenyl phenyl ether	113		101		40-140	11		50
Bis(2-chloroisopropyl)ether	89		80		40-140	11		50
Bis(2-chloroethoxy)methane	96		85		40-117	12		50
Hexachlorobutadiene	95		87		40-140	9		50
Hexachlorocyclopentadiene	109		100		40-140	9		50
Hexachloroethane	90		81		40-140	11		50
Isophorone	99		86		40-140	14		50
Naphthalene	97		89		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Nitrobenzene	112		103		40-140	8		50
NitrosoDiPhenylAmine(NDPA)/DPA	116		104			11		50
n-Nitrosodi-n-propylamine	97		85		32-121	13		50
Bis(2-Ethylhexyl)phthalate	124		109		40-140	13		50
Butyl benzyl phthalate	122		110		40-140	10		50
Di-n-butylphthalate	128		115		40-140	11		50
Di-n-octylphthalate	126		113		40-140	11		50
Diethyl phthalate	115		103		40-140	11		50
Dimethyl phthalate	112		101		40-140	10		50
Benzo(a)anthracene	114		101		40-140	12		50
Benzo(a)pyrene	123		108		40-140	13		50
Benzo(b)fluoranthene	112		100		40-140	11		50
Benzo(k)fluoranthene	117		104		40-140	12		50
Chrysene	111		98		40-140	12		50
Acenaphthylene	112		99		40-140	12		50
Anthracene	120		108		40-140	11		50
Benzo(ghi)perylene	118		104		40-140	13		50
Fluorene	113		100		40-140	12		50
Phenanthrene	112		101		40-140	10		50
Dibenzo(a,h)anthracene	118		108		40-140	9		50
Indeno(1,2,3-cd)Pyrene	117		102		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Pyrene	113		101		35-142	11		50
Biphenyl	114		101			12		50
4-Chloroaniline	81		68		40-140	17		50
2-Nitroaniline	114		103		47-134	10		50
3-Nitroaniline	55		47		26-129	16		50
4-Nitroaniline	110		98		41-125	12		50
Dibenzofuran	109		97		40-140	12		50
2-Methylnaphthalene	100		90		40-140	11		50
1,2,4,5-Tetrachlorobenzene	108		97		40-117	11		50
Acetophenone	105		95		14-144	10		50
2,4,6-Trichlorophenol	128		112		30-130	13		50
P-Chloro-M-Cresol	**123**	Q	**106**	Q	26-103	15		50
2-Chlorophenol	**103**	Q	91		25-102	12		50
2,4-Dichlorophenol	118		104		30-130	13		50
2,4-Dimethylphenol	112		96		30-130	15		50
2-Nitrophenol	102		95		30-130	7		50
4-Nitrophenol	**136**	Q	**122**	Q	11-114	11		50
2,4-Dinitrophenol	125		117		4-130	7		50
4,6-Dinitro-o-cresol	119		109		10-130	9		50
Pentachlorophenol	**115**	Q	102		17-109	12		50
Phenol	**104**	Q	**92**	Q	26-90	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
2-Methylphenol	108		97		30-130.	11		50
3-Methylphenol/4-Methylphenol	116		100		30-130	15		50
2,4,5-Trichlorophenol	124		110		30-130	12		50
Benzoic Acid	99		89			11		50
Benzyl Alcohol	100		87		40-140	14		50
Carbazole	115		102		54-128	12		50
Benzaldehyde	84		79			6		50
Caprolactam	60		67			11		50
Atrazine	126		112			12		50
2,3,4,6-Tetrachlorophenol	128		114			12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	102		91		25-120
Phenol-d6	100		87		10-120
Nitrobenzene-d5	94		85		23-120
2-Fluorobiphenyl	103		91		30-120
2,4,6-Tribromophenol	110		96		0-136
4-Terphenyl-d14	97		87		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 17:48		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1500	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	82		70-130
4-Bromofluorobenzene	81		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 00:13		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1020000		ug/kg	73300	7180	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	107		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 18:29		
Analyst:	JV		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	3500	67.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 06:11		
Analyst:	AR		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	789000		ug/kg	91800	8990	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 19:10		
Analyst:	JV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	760	J	ug/kg	2900	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	80		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 20:53		
Analyst:	AR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	661000		ug/kg	75400	7380	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 22:57		
Analyst:	AR		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	139000		ug/kg	41700	4080	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 04:39		
Analyst:	JV		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	3200	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	90		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 10:18
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-02,08 Batch: WG636976-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	89		70-130
4-Bromofluorobenzene	87		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 09 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 Batch: WG636976-1 WG636976-2								
Gasoline Range Organics	117		116		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	110		110		70-130
4-Bromofluorobenzene	106		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 QC Batch ID: WG636976-5 QC Sample: L1318343-01 Client ID: MS Sample												
Gasoline Range Organics	68.J	22600	26000	114		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	109				70-130
4-Bromofluorobenzene	107				70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: MS Sample												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 QC Batch ID: WG636976-4 QC Sample: L1318343-01 Client ID: DUP Sample					
Gasoline Range Organics	68.J	64J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		87		70-130
4-Bromofluorobenzene	82		88		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: DUP Sample					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:37	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	6.90	1	A
Aroclor 1221	ND		ug/kg	34.9	10.5	1	A
Aroclor 1232	ND		ug/kg	34.9	7.42	1	A
Aroclor 1242	ND		ug/kg	34.9	6.63	1	A
Aroclor 1248	ND		ug/kg	34.9	4.22	1	A
Aroclor 1254	ND		ug/kg	34.9	5.51	1	A
Aroclor 1260	55.0		ug/kg	34.9	6.06	1	B
Aroclor 1262	ND		ug/kg	34.9	2.58	1	A
Aroclor 1268	ND		ug/kg	34.9	5.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:33	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	72%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.6	8.62	1	A
Aroclor 1221	ND		ug/kg	43.6	13.2	1	A
Aroclor 1232	ND		ug/kg	43.6	9.26	1	A
Aroclor 1242	ND		ug/kg	43.6	8.28	1	A
Aroclor 1248	ND		ug/kg	43.6	5.28	1	A
Aroclor 1254	ND		ug/kg	43.6	6.88	1	A
Aroclor 1260	ND		ug/kg	43.6	7.57	1	A
Aroclor 1262	ND		ug/kg	43.6	3.23	1	A
Aroclor 1268	ND		ug/kg	43.6	6.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:46	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	7.47	1	A
Aroclor 1221	ND		ug/kg	37.8	11.4	1	A
Aroclor 1232	ND		ug/kg	37.8	8.04	1	A
Aroclor 1242	ND		ug/kg	37.8	7.18	1	A
Aroclor 1248	ND		ug/kg	37.8	4.58	1	A
Aroclor 1254	ND		ug/kg	37.8	5.96	1	A
Aroclor 1260	11.9	J	ug/kg	37.8	6.57	1	B
Aroclor 1262	ND		ug/kg	37.8	2.80	1	A
Aroclor 1268	ND		ug/kg	37.8	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 04:14	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	78%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	8.10	1	A
Aroclor 1221	ND		ug/kg	41.0	12.4	1	A
Aroclor 1232	ND		ug/kg	41.0	8.71	1	A
Aroclor 1242	ND		ug/kg	41.0	7.78	1	A
Aroclor 1248	ND		ug/kg	41.0	4.96	1	A
Aroclor 1254	ND		ug/kg	41.0	6.46	1	A
Aroclor 1260	ND		ug/kg	41.0	7.12	1	A
Aroclor 1262	ND		ug/kg	41.0	3.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 01:47
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 16:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,09 Batch: WG636526-1						
Aroclor 1016	ND		ug/kg	32.6	6.44	A
Aroclor 1221	ND		ug/kg	32.6	9.84	A
Aroclor 1232	ND		ug/kg	32.6	6.93	A
Aroclor 1242	ND		ug/kg	32.6	6.19	A
Aroclor 1248	ND		ug/kg	32.6	3.94	A
Aroclor 1254	ND		ug/kg	32.6	5.14	A
Aroclor 1260	ND		ug/kg	32.6	5.66	A
Aroclor 1262	ND		ug/kg	32.6	2.41	A
Aroclor 1268	ND		ug/kg	32.6	4.73	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,08 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,09 Batch: WG636526-2 WG636526-3									
Aroclor 1016	66		75		40-140	13		50	A
Aroclor 1260	58		64		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		78		30-150	B
Decachlorobiphenyl	69		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,08 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:44	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.2	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	87		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:04	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.6	3.26	10	A
Lindane	ND		ug/kg	6.94	3.10	10	A
Alpha-BHC	ND		ug/kg	6.94	1.97	10	A
Beta-BHC	ND		ug/kg	16.6	6.31	10	A
Heptachlor	ND		ug/kg	8.32	3.73	10	A
Aldrin	ND		ug/kg	16.6	5.86	10	A
Heptachlor epoxide	ND		ug/kg	31.2	9.36	10	A
Endrin	ND		ug/kg	6.94	2.84	10	A
Endrin ketone	ND		ug/kg	16.6	4.29	10	A
Dieldrin	ND		ug/kg	10.4	5.20	10	A
4,4'-DDE	ND		ug/kg	16.6	3.85	10	A
4,4'-DDD	ND		ug/kg	16.6	5.94	10	A
4,4'-DDT	21.0	J	ug/kg	31.2	13.4	10	A
Endosulfan I	ND		ug/kg	16.6	3.93	10	A
Endosulfan II	ND		ug/kg	16.6	5.56	10	A
Endosulfan sulfate	ND		ug/kg	6.94	3.17	10	A
Methoxychlor	ND		ug/kg	31.2	9.71	10	A
Toxaphene	ND		ug/kg	312	87.4	10	A
cis-Chlordane	ND		ug/kg	20.8	5.80	10	A
trans-Chlordane	ND		ug/kg	20.8	5.49	10	A
Chlordane	ND		ug/kg	135	55.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	137		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:24	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	230	27.9	1	A
2,4,5-T	ND		ug/kg	230	14.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	230	12.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	84		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:17	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	21.2	4.15	10	A
Lindane	ND		ug/kg	8.82	3.94	10	A
Alpha-BHC	ND		ug/kg	8.82	2.51	10	A
Beta-BHC	ND		ug/kg	21.2	8.03	10	A
Heptachlor	ND		ug/kg	10.6	4.75	10	A
Aldrin	ND		ug/kg	21.2	7.46	10	A
Heptachlor epoxide	ND		ug/kg	39.7	11.9	10	A
Endrin	ND		ug/kg	8.82	3.62	10	A
Endrin ketone	ND		ug/kg	21.2	5.45	10	A
Dieldrin	ND		ug/kg	13.2	6.62	10	A
4,4'-DDE	ND		ug/kg	21.2	4.90	10	A
4,4'-DDD	ND		ug/kg	21.2	7.55	10	A
4,4'-DDT	ND		ug/kg	39.7	17.0	10	A
Endosulfan I	ND		ug/kg	21.2	5.00	10	A
Endosulfan II	ND		ug/kg	21.2	7.08	10	A
Endosulfan sulfate	ND		ug/kg	8.82	4.03	10	A
Methoxychlor	ND		ug/kg	39.7	12.4	10	A
Toxaphene	ND		ug/kg	397	111.	10	A
cis-Chlordane	ND		ug/kg	26.5	7.38	10	A
trans-Chlordane	ND		ug/kg	26.5	6.99	10	A
Chlordane	ND		ug/kg	172	70.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	**194**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:04	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	23.0	1	A
2,4,5-T	ND		ug/kg	189	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	77		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:30	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.2	3.57	10	A
Lindane	ND		ug/kg	7.60	3.40	10	A
Alpha-BHC	ND		ug/kg	7.60	2.16	10	A
Beta-BHC	ND		ug/kg	18.2	6.91	10	A
Heptachlor	ND		ug/kg	9.12	4.09	10	A
Aldrin	ND		ug/kg	18.2	6.42	10	A
Heptachlor epoxide	ND		ug/kg	34.2	10.2	10	A
Endrin	ND		ug/kg	7.60	3.11	10	A
Endrin ketone	ND		ug/kg	18.2	4.69	10	A
Dieldrin	ND		ug/kg	11.4	5.70	10	A
4,4'-DDE	ND		ug/kg	18.2	4.22	10	A
4,4'-DDD	ND		ug/kg	18.2	6.50	10	A
4,4'-DDT	ND		ug/kg	34.2	14.7	10	A
Endosulfan I	ND		ug/kg	18.2	4.31	10	A
Endosulfan II	ND		ug/kg	18.2	6.09	10	A
Endosulfan sulfate	ND		ug/kg	7.60	3.47	10	A
Methoxychlor	ND		ug/kg	34.2	10.6	10	A
Toxaphene	ND		ug/kg	342	95.7	10	A
cis-Chlordane	ND		ug/kg	22.8	6.35	10	A
trans-Chlordane	ND		ug/kg	22.8	6.02	10	A
Chlordane	ND		ug/kg	148	60.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	122		30-150	A
Decachlorobiphenyl	**218**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:44	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	211	25.7	1	A
2,4,5-T	ND		ug/kg	211	13.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	211	11.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09 D	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:21	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.69	1.90	5	A
Lindane	ND		ug/kg	4.04	1.80	5	A
Alpha-BHC	ND		ug/kg	4.04	1.15	5	A
Beta-BHC	ND		ug/kg	9.69	3.67	5	A
Heptachlor	ND		ug/kg	4.84	2.17	5	A
Aldrin	ND		ug/kg	9.69	3.41	5	A
Heptachlor epoxide	ND		ug/kg	18.2	5.45	5	A
Endrin	ND		ug/kg	4.04	1.65	5	A
Endrin ketone	ND		ug/kg	9.69	2.49	5	A
Dieldrin	ND		ug/kg	6.05	3.03	5	A
4,4'-DDE	ND		ug/kg	9.69	2.24	5	A
4,4'-DDD	ND		ug/kg	9.69	3.46	5	A
4,4'-DDT	ND		ug/kg	18.2	7.79	5	A
Endosulfan I	ND		ug/kg	9.69	2.29	5	A
Endosulfan II	ND		ug/kg	9.69	3.24	5	A
Endosulfan sulfate	ND		ug/kg	4.04	1.84	5	A
Methoxychlor	ND		ug/kg	18.2	5.65	5	A
Toxaphene	ND		ug/kg	182	50.8	5	A
cis-Chlordane	ND		ug/kg	12.1	3.37	5	A
trans-Chlordane	ND		ug/kg	12.1	3.20	5	A
Chlordane	ND		ug/kg	78.7	32.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/13 16:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/16/13 21:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636563-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.298	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	149		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636563-2 WG636563-3									
Delta-BHC	70		79		30-150	12		30	A
Lindane	69		78		30-150	12		30	A
Alpha-BHC	65		75		30-150	14		30	A
Beta-BHC	72		79		30-150	9		30	A
Heptachlor	70		81		30-150	15		30	A
Aldrin	69		81		30-150	16		30	A
Heptachlor epoxide	63		74		30-150	16		30	A
Endrin	75		89		30-150	17		30	A
Endrin ketone	65		76		30-150	16		30	A
Dieldrin	66		79		30-150	18		30	A
4,4'-DDE	64		76		30-150	17		30	A
4,4'-DDD	66		79		30-150	18		30	A
4,4'-DDT	68		80		30-150	16		30	A
Endosulfan I	66		78		30-150	17		30	A
Endosulfan II	59		70		30-150	17		30	A
Endosulfan sulfate	63		74		30-150	16		30	A
Methoxychlor	68		80		30-150	16		30	A
cis-Chlordane	65		77		30-150	17		30	A
trans-Chlordane	66		79		30-150	18		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636563-2 WG636563-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		85		30-150	A
Decachlorobiphenyl	94		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	B
Decachlorobiphenyl	131		143		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Barium, TCLP	0.28	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Lead, TCLP	0.36	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:43	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01
Client ID: G1_COMP-09S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 16:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6900		mg/kg	8.6	1.7	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.68	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Arsenic, Total	9.6		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.86	0.26	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Beryllium, Total	4.9		mg/kg	0.43	0.09	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.86	0.06	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Calcium, Total	52000		mg/kg	8.6	2.6	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Chromium, Total	39		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Cobalt, Total	37		mg/kg	1.7	0.43	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Copper, Total	680		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Iron, Total	27000		mg/kg	4.3	1.7	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Lead, Total	460		mg/kg	4.3	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Magnesium, Total	18000		mg/kg	8.6	0.86	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Manganese, Total	310		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Mercury, Total	0.12		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 11:22	EPA 7471B	1,7471B	MC
Nickel, Total	69		mg/kg	2.1	0.34	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Potassium, Total	910		mg/kg	210	34.	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Selenium, Total	0.80	J	mg/kg	1.7	0.26	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Silver, Total	0.20	J	mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Sodium, Total	710		mg/kg	170	26.	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.86	0.09	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Zinc, Total	3800		mg/kg	21	3.0	10	09/17/13 14:42	09/19/13 18:43	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Barium, TCLP	0.30	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Lead, TCLP	0.38	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:45	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02
Client ID: G1_COMP-09D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 72%

Date Collected: 09/13/13 16:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4200		mg/kg	11	2.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Antimony, Total	5.7		mg/kg	5.4	0.86	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Barium, Total	420		mg/kg	1.1	0.32	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Beryllium, Total	0.44	J	mg/kg	0.54	0.11	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Cadmium, Total	1.8		mg/kg	1.1	0.08	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Calcium, Total	9200		mg/kg	11	3.2	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Chromium, Total	15		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Cobalt, Total	7.1		mg/kg	2.1	0.54	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Copper, Total	2900		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	5.4	2.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Lead, Total	370		mg/kg	5.4	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Magnesium, Total	1500		mg/kg	11	1.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Manganese, Total	230		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Mercury, Total	0.64		mg/kg	0.11	0.02	1	09/20/13 09:09	09/20/13 11:24	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.7	0.43	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Potassium, Total	920		mg/kg	270	43.	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Selenium, Total	1.3	J	mg/kg	2.1	0.32	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Silver, Total	0.25	J	mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Sodium, Total	460		mg/kg	210	32.	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.1	0.43	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Vanadium, Total	17		mg/kg	1.1	0.11	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Zinc, Total	690		mg/kg	5.4	0.75	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Barium, TCLP	0.37	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Lead, TCLP	0.72		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:47	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08
Client ID: G2_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 17:30
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	8.7	1.7	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.70	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Barium, Total	130		mg/kg	0.87	0.26	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Beryllium, Total	0.38	J	mg/kg	0.43	0.09	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Cadmium, Total	0.90		mg/kg	0.87	0.06	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Calcium, Total	8800		mg/kg	8.7	2.6	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	1.7	0.43	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Copper, Total	83		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	4.3	1.7	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Lead, Total	440		mg/kg	4.3	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Magnesium, Total	1500		mg/kg	8.7	0.87	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Mercury, Total	0.72		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:25	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.2	0.35	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Potassium, Total	560		mg/kg	220	35.	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Selenium, Total	0.88	J	mg/kg	1.7	0.26	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Sodium, Total	140	J	mg/kg	170	26.	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Vanadium, Total	16		mg/kg	0.87	0.09	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Zinc, Total	240		mg/kg	4.3	0.61	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Barium, TCLP	0.40	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Lead, TCLP	2.2		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:49	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09
Client ID: G2_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 78%

Date Collected: 09/13/13 17:35
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9300		mg/kg	9.8	2.0	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.9	0.78	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Arsenic, Total	6.6		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Barium, Total	53		mg/kg	0.98	0.29	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Beryllium, Total	0.47	J	mg/kg	0.49	0.10	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Cadmium, Total	1.9		mg/kg	0.98	0.07	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Calcium, Total	1800		mg/kg	9.8	2.9	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Cobalt, Total	8.3		mg/kg	2.0	0.49	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Copper, Total	36		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.9	2.0	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Lead, Total	130		mg/kg	4.9	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Magnesium, Total	2400		mg/kg	9.8	0.98	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Manganese, Total	370		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Mercury, Total	0.52		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:27	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.4	0.39	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Potassium, Total	580		mg/kg	240	39.	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.29	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Sodium, Total	100	J	mg/kg	200	29.	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.39	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.98	0.10	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Zinc, Total	1600		mg/kg	4.9	0.68	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636801-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Calcium, Total	2.4	J	mg/kg	4.0	1.2	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637081-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637435-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 10:56	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636801-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	109		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	92		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	100		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	108		-		66-134	-		
Sodium, Total	103		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636801-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637081-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637435-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample												
Aluminum, Total	4200	164	5000	**489**	Q	5100	**524**	Q	75-125	2		35
Antimony, Total	ND	40.9	37	90		39	91		75-125	5		35
Arsenic, Total	0.95	9.82	11	102		11	97		75-125	0		35
Barium, Total	8.4	164	170	99		180	100		75-125	6		35
Beryllium, Total	0.18J	4.09	4.2	103		4.4	102		75-125	5		35
Cadmium, Total	0.29J	4.17	4.2	101		4.5	103		75-125	7		35
Calcium, Total	620	818	4500	**474**	Q	1900	**149**	Q	75-125	**81**	Q	35
Chromium, Total	9.4	16.4	24	89		29	114		75-125	19		35
Cobalt, Total	2.1	40.9	40	93		43	95		75-125	7		35
Copper, Total	7.7	20.4	29	104		29	99		75-125	0		35
Iron, Total	9400	81.8	9100	**0**	Q	10000	**698**	Q	75-125	9		35
Lead, Total	3.5J	41.7	44	105		46	105		75-125	4		35
Magnesium, Total	680	818	1600	112		1600	107		75-125	0		35
Manganese, Total	59.	40.9	120	**149**	Q	100	95		75-125	18		35
Nickel, Total	5.5	40.9	44	94		46	94		75-125	4		35
Potassium, Total	190J	818	1000	122		1000	116		75-125	0		35
Selenium, Total	ND	9.82	9.9	101		10	97		75-125	1		35
Silver, Total	ND	24.5	24	98		25	97		75-125	4		35
Sodium, Total	140J	818	1600	**196**	Q	1300	**151**	Q	75-125	21		35
Thallium, Total	ND	9.82	8.4	86		9.0	87		75-125	7		35
Vanadium, Total	11.	40.9	51	98		56	105		75-125	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample										
Zinc, Total	11.	40.9	52	100		52	95	75-125	0	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0246	98		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637081-4 QC Sample: L1318237-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.46J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	0.03J	2	2.0	100		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637435-4 QC Sample: L1318157-06 Client ID: MS Sample										
Mercury, Total	0.06J	0.16	0.26	**162**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637081-3 QC Sample: L1318237-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637435-3 QC Sample: L1318157-06 Client ID: DUP Sample						
Mercury, Total	0.06J	0.09	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01
Client ID: G1_COMP-09S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	39		mg/kg	0.89	0.89	1	-	09/20/13 10:52	107,-	JO
Solids, Total	90.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.25	1	09/17/13 11:20	09/18/13 14:42	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 22:00	09/18/13 00:25	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02
Client ID: G1_COMP-09D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	1.1	1.1	1	-	09/20/13 10:52	107,-	JO
Solids, Total	72.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.4	0.32	1	09/17/13 11:20	09/18/13 14:43	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.25	1	09/16/13 22:00	09/18/13 00:26	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-03
Client ID: G1_SB-09A_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-04
Client ID: G1_SB-09A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-06
Client ID: G2_SB-06B_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-07
Client ID: G2_SB-06C_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08
Client ID: G2_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:30
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.92	0.92	1	-	09/20/13 10:52	107,-	JO
Solids, Total	87.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:44	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	09/16/13 22:00	09/18/13 00:26	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09
Client ID: G2_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:35
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	1.0	1.0	1	-	09/20/13 10:52	107,-	JO
Solids, Total	78.4		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.29	1	09/17/13 11:20	09/18/13 14:45	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 22:00	09/18/13 00:27	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-09 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: G1_COMP-09S_0-5						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:32

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-01A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-01B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-01C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-01X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-02A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-02B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-02C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-02X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-03A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-03X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-03Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-03Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-04X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-05A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1318162-05B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1318162-06A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-06X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-06Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-06Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-07X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-08A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-08B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-08C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-08X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-09A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-09B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-09C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-09X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318162

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C

Address: 360 W 31st St 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mini Ravgorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters;
2) Provide category A data deliverables;
3) Provide NYSDEC EDD.

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Metals, Total CN, Hex Chrom, TCLP Volatiles, Metals, Reactivity	TS	Sec. Pest, Herb, TPH DRO	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
18162 1	G1-COMP-09S-0-5	9/13	16:10	Soil	NB		X		X	X			3
2	G1_COMP-09D_5-10		16:20		NB		X		X	X			3
3	G1_SB-09A_(9.5-10)		16:00		NB	X		X					4
4	G1_SB-09A_(3.5-4)		15:55		NB	X		X					4
5	TRIP BLANK		1600		NB						X		2
6	G2_SB-06B_(4.5-5)		1700	Soil	NB	X		X					4
7	G2_SB-06C_(9.5-10)		17:15		NB	X		X					4
8	G-2-COMP-06S_0-5		17:30		NB		X		X	X			3
9	G-2-COMP-06D_5-10		17:35		NB		X		X	X			3

Container Type													
Preservative													

COOLER D

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2015	[illegible]	9/13/13 2015
[illegible]	9/14/13 0020	[illegible]	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318164
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318164-01	G1_SB-07A_3.5-4	BROOKLYN, NY	09/13/13 13:45
L1318164-02	G1_SB-07A_9-9.5	BROOKLYN, NY	09/13/13 13:55
L1318164-03	G1_COMP-07D_5-10	BROOKLYN, NY	09/13/13 14:10
L1318164-04	G1_COMP-07S_0-5	BROOKLYN, NY	09/13/13 14:05
L1318164-05	G1_COMP-08D_5-10	BROOKLYN, NY	09/13/13 15:20
L1318164-06	G1_COMP-08S_0-5	BROOKLYN, NY	09/13/13 15:15
L1318164-07	G1_SB-08A_9-9.5	BROOKLYN, NY	09/13/13 15:00
L1318164-08	G1_SB-08A_4.5-5	BROOKLYN, NY	09/13/13 14:55
L1318164-09	TB05_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1318164-01, -02, -07, -08 and -09: The client IDs were specified by the client.

Semivolatile Organics

L1318164-04 has elevated detection limits due to the dilution required by the sample matrix.

Pesticides

L1318164-03 through -06 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318164-03 through -06 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-01	Date Collected:	09/13/13 13:45
Client ID:	G1_SB-07A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 17:34		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.5	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.17	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.95	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.22	1
Dibromochloromethane	ND		ug/kg	0.95	0.29	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.95	0.13	1
Chlorobenzene	ND		ug/kg	0.95	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.95	0.10	1
Bromodichloromethane	ND		ug/kg	0.95	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.95	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.43	1
Bromoform	ND		ug/kg	3.8	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.95	0.16	1
Benzene	ND		ug/kg	0.95	0.11	1
Toluene	ND		ug/kg	1.4	0.11	1
Ethylbenzene	ND		ug/kg	0.95	0.14	1
Chloromethane	ND		ug/kg	4.7	0.74	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.13	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	1.4		ug/kg	0.95	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.23	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-01 Date Collected: 09/13/13 13:45

Client ID: G1_SB-07A_3.5-4 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.9	0.10	1
p/m-Xylene	ND		ug/kg	1.9	0.31	1
o-Xylene	ND		ug/kg	1.9	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.14	1
Dibromomethane	ND		ug/kg	9.5	0.16	1
Styrene	ND		ug/kg	1.9	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.21	1
Acetone	ND		ug/kg	9.5	2.9	1
Carbon disulfide	ND		ug/kg	9.5	1.9	1
2-Butanone	ND		ug/kg	9.5	0.34	1
Vinyl acetate	ND		ug/kg	9.5	0.46	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.5	0.21	1
2-Hexanone	ND		ug/kg	9.5	0.18	1
Bromochloromethane	ND		ug/kg	4.7	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.95	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.20	1
n-Butylbenzene	ND		ug/kg	0.95	0.19	1
sec-Butylbenzene	ND		ug/kg	0.95	0.20	1
tert-Butylbenzene	ND		ug/kg	4.7	0.53	1
o-Chlorotoluene	ND		ug/kg	4.7	0.15	1
p-Chlorotoluene	ND		ug/kg	4.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.75	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.40	1
Isopropylbenzene	ND		ug/kg	0.95	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.18	1
Naphthalene	ND		ug/kg	4.7	0.73	1
Acrylonitrile	ND		ug/kg	9.5	0.22	1
n-Propylbenzene	ND		ug/kg	0.95	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.75	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.54	1
Methyl Acetate	ND		ug/kg	19	0.72	1
Cyclohexane	ND		ug/kg	19	1.0	1
1,4-Dioxane	ND		ug/kg	95	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-01	Date Collected:	09/13/13 13:45
Client ID:	G1_SB-07A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	19	0.26	1
p-Diethylbenzene	ND		ug/kg	3.8	0.15	1
p-Ethyltoluene	ND		ug/kg	3.8	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.12	1
Ethyl ether	ND		ug/kg	4.7	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.42	1
Methyl cyclohexane	ND		ug/kg	3.8	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-02	Date Collected:	09/13/13 13:55
Client ID:	G1_SB-07A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 04:38		
Analyst:	PP		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.93	1
Bromomethane	0.63	J	ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.29	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-02 Date Collected: 09/13/13 13:55

Client ID: G1_SB-07A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	33		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	5.3	J	ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.57	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	5.9	0.91	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.68	1
Methyl Acetate	ND		ug/kg	24	0.90	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-02	Date Collected:	09/13/13 13:55
Client ID:	G1_SB-07A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.32	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-07	Date Collected:	09/13/13 15:00
Client ID:	G1_SB-08A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 05:12		
Analyst:	PP		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.37	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.55	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	0.66	J	ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-07 Date Collected: 09/13/13 15:00

Client ID: G1_SB-08A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	49		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	6.7	J	ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	6.0	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.0	0.67	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.95	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.51	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.95	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
Methyl Acetate	ND		ug/kg	24	0.92	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-07	Date Collected:	09/13/13 15:00
Client ID:	G1_SB-08A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.33	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.54	1
Methyl cyclohexane	ND		ug/kg	4.8	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-08	Date Collected:	09/13/13 14:55
Client ID:	G1_SB-08A_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 05:47		
Analyst:	PP		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.16	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.88	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.88	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	0.88	0.12	1
Chlorobenzene	ND		ug/kg	0.88	0.31	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.10	1
Bromodichloromethane	ND		ug/kg	0.88	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.4	0.40	1
Bromoform	ND		ug/kg	3.5	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.15	1
Benzene	ND		ug/kg	0.88	0.10	1
Toluene	ND		ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.88	0.13	1
Chloromethane	ND		ug/kg	4.4	0.69	1
Bromomethane	0.39	J	ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.12	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Trichloroethene	0.38	J	ug/kg	0.88	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.21	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-08 Date Collected: 09/13/13 14:55

Client ID: G1_SB-08A_4.5-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.09	1
p/m-Xylene	ND		ug/kg	1.8	0.28	1
o-Xylene	ND		ug/kg	1.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.13	1
Dibromomethane	ND		ug/kg	8.8	0.14	1
Styrene	ND		ug/kg	1.8	0.27	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.19	1
Acetone	ND		ug/kg	8.8	2.7	1
Carbon disulfide	ND		ug/kg	8.8	1.8	1
2-Butanone	ND		ug/kg	8.8	0.31	1
Vinyl acetate	ND		ug/kg	8.8	0.42	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	0.20	1
2-Hexanone	ND		ug/kg	8.8	0.17	1
Bromochloromethane	ND		ug/kg	4.4	0.17	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.20	1
1,2-Dibromoethane	ND		ug/kg	3.5	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	0.28	1
Bromobenzene	ND		ug/kg	4.4	0.18	1
n-Butylbenzene	ND		ug/kg	0.88	0.17	1
sec-Butylbenzene	ND		ug/kg	0.88	0.18	1
tert-Butylbenzene	ND		ug/kg	4.4	0.50	1
o-Chlorotoluene	ND		ug/kg	4.4	0.14	1
p-Chlorotoluene	ND		ug/kg	4.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.70	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.37	1
Isopropylbenzene	ND		ug/kg	0.88	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.17	1
Naphthalene	ND		ug/kg	4.4	0.68	1
Acrylonitrile	ND		ug/kg	8.8	0.21	1
n-Propylbenzene	ND		ug/kg	0.88	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.70	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.51	1
Methyl Acetate	ND		ug/kg	18	0.68	1
Cyclohexane	ND		ug/kg	18	0.95	1
1,4-Dioxane	ND		ug/kg	88	15.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-08	Date Collected:	09/13/13 14:55
Client ID:	G1_SB-08A_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.24	1
p-Diethylbenzene	ND		ug/kg	3.5	0.14	1
p-Ethyltoluene	ND		ug/kg	3.5	0.10	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.12	1
Ethyl ether	ND		ug/kg	4.4	0.23	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	0.40	1
Methyl cyclohexane	ND		ug/kg	3.5	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-09	Date Collected:	09/13/13 00:00
Client ID:	TB05_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 14:55		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-09 Date Collected: 09/13/13 00:00

Client ID: TB05_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-09	Date Collected:	09/13/13 00:00
Client ID:	TB05_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.3	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
Methylene chloride	113		124		70-130	9		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	112		117		70-130	4		30
1,1,2-Trichloroethane	108		113		70-130	5		30
Tetrachloroethene	102		102		70-130	0		30
Chlorobenzene	106		109		70-130	3		30
Trichlorofluoromethane	87		94		70-139	8		30
1,2-Dichloroethane	99		104		70-130	5		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	86		89		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	113		122		70-130	8		30
Benzene	106		106		70-130	0		30
Toluene	102		103		70-130	1		30
Ethylbenzene	109		110		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
Chloromethane	125		126		52-130	1		30
Bromomethane	126		126		57-147	0		30
Vinyl chloride	128		127		67-130	1		30
Chloroethane	107		106		50-151	1		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	107		111		70-130	4		30
1,4-Dichlorobenzene	108		112		70-130	4		30
Methyl tert butyl ether	83		85		66-130	2		30
p/m-Xylene	108		109		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		104		70-130	7		30
Styrene	111		115		70-130	4		30
Dichlorodifluoromethane	84		95		30-146	12		30
Acetone	119		131		54-140	10		30
Carbon disulfide	104		102		59-130	2		30
2-Butanone	101		108		70-130	7		30
Vinyl acetate	101		107		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
4-Methyl-2-pentanone	101		108		70-130	7		30
1,2,3-Trichloropropane	108		116		68-130	7		30
2-Hexanone	106		116		70-130	9		30
Bromochloromethane	100		106		70-130	6		30
2,2-Dichloropropane	87		84		70-130	4		30
1,2-Dibromoethane	111		118		70-130	6		30
1,3-Dichloropropane	103		109		69-130	6		30
1,1,1,2-Tetrachloroethane	103		106		70-130	3		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	110		111		70-130	1		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	107		107		70-130	0		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	109		111		70-130	2		30
1,2-Dibromo-3-chloropropane	99		108		68-130	9		30
Hexachlorobutadiene	92		95		67-130	3		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	103		111		70-130	7		30
Acrylonitrile	104		116		70-130	11		30
Isopropyl Ether	101		104		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	110		112		70-130	2		30
1,2,3-Trichlorobenzene	105		111		70-130	6		30
1,2,4-Trichlorobenzene	103		107		70-130	4		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	106		109		70-130	3		30
Methyl Acetate	105		116		51-146	10		30
Ethyl Acetate	111		120		70-130	8		30
Acrolein	99		109		70-130	10		30
Cyclohexane	87		97		59-142	11		30
1,4-Dioxane	111		123		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		98		50-139	12		30
1,4-Diethylbenzene	108		109		70-130	1		30
4-Ethyltoluene	110		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		30
Tetrahydrofuran	105		116		66-130	10		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	101		105		70-130	4		30
Methyl cyclohexane	87		97		70-130	11		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30
Tertiary-Amyl Methyl Ether	**62**	Q	**63**	Q	70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		79		50-139	7		30
1,4-Diethylbenzene	102		97		70-130	5		30
4-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	109		104		70-130	5		20
Chloroform	113		109		70-130	4		20
2-Chloroethylvinyl ether	84		85		70-130	1		20
Carbon tetrachloride	122		115		63-132	6		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	108		107		63-130	1		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	127		119		62-150	7		20
1,2-Dichloroethane	123		119		70-130	3		20
1,1,1-Trichloroethane	122		114		67-130	7		20
Bromodichloromethane	113		112		67-130	1		20
trans-1,3-Dichloropropene	103		104		70-130	1		20
cis-1,3-Dichloropropene	107		105		70-130	2		20
1,1-Dichloropropene	111		104		70-130	7		20
Bromoform	105		111		54-136	6		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	104		99		70-130	5		20
Toluene	94		90		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Ethylbenzene	100		96		70-130	4		20
Chloromethane	**60**	Q	69		64-130	14		20
Bromomethane	61		68		39-139	11		20
Vinyl chloride	94		88		55-140	7		20
Chloroethane	119		113		55-138	5		20
1,1-Dichloroethene	114		105		61-145	8		20
trans-1,2-Dichloroethene	110		104		70-130	6		20
Trichloroethene	109		103		70-130	6		20
1,2-Dichlorobenzene	92		98		70-130	6		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	119		118		63-130	1		20
p/m-Xylene	100		98		70-130	2		20
o-Xylene	101		99		70-130	2		20
cis-1,2-Dichloroethene	107		102		70-130	5		20
Dibromomethane	109		111		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	98		102		70-130	4		20
Isopropyl Ether	108		103		70-130	5		20
tert-Butyl Alcohol	**138**	Q	**156**	Q	70-130	12		20
Styrene	101		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Dichlorodifluoromethane	88		83		36-147	6		20
Acetone	134		**158**	Q	58-148	16		20
Carbon disulfide	104		97		51-130	7		20
2-Butanone	116		115		63-138	1		20
Vinyl acetate	111		112		70-130	1		20
4-Methyl-2-pentanone	109		106		59-130	3		20
2-Hexanone	104		113		57-130	8		20
Bromochloromethane	120		117		70-130	3		20
2,2-Dichloropropane	133		120		63-133	10		20
1,2-Dibromoethane	103		104		70-130	1		20
1,3-Dichloropropane	99		98		70-130	1		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	91		90		53-136	1		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		97		70-130	1		20
p-Chlorotoluene	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20
Hexachlorobutadiene	102		105		63-130	3		20
Isopropylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
p-Isopropyltoluene	96		96		70-130	0		20
Naphthalene	92		97		70-130	5		20
n-Propylbenzene	92		92		69-130	0		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
Methyl Acetate	112		116		70-130	4		20
Ethyl Acetate	114		114		70-130	0		20
Cyclohexane	106		96		70-130	10		20
Ethyl-Tert-Butyl-Ether	114		113		70-130	1		20
Tertiary-Amyl Methyl Ether	112		111		66-130	1		20
1,4-Dioxane	121		138		56-162	13		20
Freon-113	118		107		70-130	10		20
p-Diethylbenzene	94		94		70-130	0		20
p-Ethyltoluene	94		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		20
Ethyl ether	114		112		59-134	2		20
trans-1,4-Dichloro-2-butene	89		100		70-130	12		20
Methyl cyclohexane	109		100		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		105		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 09:34		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	380		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	6700		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	410		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	53	J	ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1
Benzo(a)anthracene	3100		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03 Date Collected: 09/13/13 14:10

Client ID: G1_COMP-07D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	150	46.	1
Benzo(b)fluoranthene	4200		ug/kg	110	38.	1
Benzo(k)fluoranthene	1700		ug/kg	110	36.	1
Chrysene	3600		ug/kg	110	37.	1
Acenaphthylene	170		ug/kg	150	35.	1
Anthracene	1200		ug/kg	110	31.	1
Benzo(ghi)perylene	2400		ug/kg	150	39.	1
Fluorene	500		ug/kg	190	54.	1
Phenanthrene	5600		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	590		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	150	41.	1
Pyrene	6000		ug/kg	110	36.	1
Biphenyl	78	J	ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	400		ug/kg	190	62.	1
2-Methylnaphthalene	240		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	400		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	75.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	111		30-120
2,4,6-Tribromophenol	121		0-136
4-Terphenyl-d14	114		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 01:01		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	440		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	6300		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	65.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	270	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	3500		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04 D Date Collected: 09/13/13 14:05

Client ID: G1_COMP-07S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2800		ug/kg	290	88.	2
Benzo(b)fluoranthene	3400		ug/kg	220	73.	2
Benzo(k)fluoranthene	1300		ug/kg	220	69.	2
Chrysene	3600		ug/kg	220	71.	2
Acenaphthylene	130	J	ug/kg	290	67.	2
Anthracene	1400		ug/kg	220	60.	2
Benzo(ghi)perylene	1600		ug/kg	290	75.	2
Fluorene	470		ug/kg	360	100	2
Phenanthrene	6300		ug/kg	220	70.	2
Dibenzo(a,h)anthracene	430		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	290	80.	2
Pyrene	6000		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	390		ug/kg	360	120	2
2-Methylnaphthalene	180	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	420		ug/kg	360	77.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 01:27		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	1900		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	110	J	ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	74	J	ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	920		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05 Date Collected: 09/13/13 15:20

Client ID: G1_COMP-08D_5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	940		ug/kg	160	48.	1
Benzo(b)fluoranthene	1100		ug/kg	120	39.	1
Benzo(k)fluoranthene	390		ug/kg	120	37.	1
Chrysene	940		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	400		ug/kg	120	32.	1
Benzo(ghi)perylene	570		ug/kg	160	41.	1
Fluorene	180	J	ug/kg	200	56.	1
Phenanthrene	1800		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	150		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	630		ug/kg	160	43.	1
Pyrene	1600		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	150	J	ug/kg	200	65.	1
2-Methylnaphthalene	91	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	60.	1
Acetophenone	ND		ug/kg	200	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	140	J	ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06 D	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 11:11		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	5600		ug/kg	1400	370	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	590	10
Hexachlorobenzene	ND		ug/kg	1100	330	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	500	10
2-Chloronaphthalene	ND		ug/kg	1800	580	10
1,2-Dichlorobenzene	ND		ug/kg	1800	590	10
1,3-Dichlorobenzene	ND		ug/kg	1800	560	10
1,4-Dichlorobenzene	ND		ug/kg	1800	540	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	390	10
2,6-Dinitrotoluene	ND		ug/kg	1800	460	10
Fluoranthene	28000		ug/kg	1100	330	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	540	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	410	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	630	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1900	540	10
Hexachlorobutadiene	ND		ug/kg	1800	510	10
Hexachlorocyclopentadiene	ND		ug/kg	5100	1200	10
Hexachloroethane	ND		ug/kg	1400	330	10
Isophorone	ND		ug/kg	1600	480	10
Naphthalene	6600		ug/kg	1800	600	10
Nitrobenzene	ND		ug/kg	1600	430	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1400	380	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	530	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1800	470	10
Butyl benzyl phthalate	ND		ug/kg	1800	350	10
Di-n-butylphthalate	ND		ug/kg	1800	350	10
Di-n-octylphthalate	ND		ug/kg	1800	440	10
Diethyl phthalate	ND		ug/kg	1800	380	10
Dimethyl phthalate	ND		ug/kg	1800	460	10
Benzo(a)anthracene	13000		ug/kg	1100	350	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06 D Date Collected: 09/13/13 15:15

Client ID: G1_COMP-08S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	12000		ug/kg	1400	440	10
Benzo(b)fluoranthene	15000		ug/kg	1100	360	10
Benzo(k)fluoranthene	6100		ug/kg	1100	340	10
Chrysene	13000		ug/kg	1100	350	10
Acenaphthylene	ND		ug/kg	1400	340	10
Anthracene	9000		ug/kg	1100	300	10
Benzo(ghi)perylene	7700		ug/kg	1400	370	10
Fluorene	5000		ug/kg	1800	510	10
Phenanthrene	29000		ug/kg	1100	350	10
Dibenzo(a,h)anthracene	2000		ug/kg	1100	350	10
Indeno(1,2,3-cd)Pyrene	8900		ug/kg	1400	400	10
Pyrene	24000		ug/kg	1100	350	10
Biphenyl	690	J	ug/kg	4100	590	10
4-Chloroaniline	ND		ug/kg	1800	470	10
2-Nitroaniline	ND		ug/kg	1800	510	10
3-Nitroaniline	ND		ug/kg	1800	500	10
4-Nitroaniline	ND		ug/kg	1800	480	10
Dibenzofuran	3000		ug/kg	1800	600	10
2-Methylnaphthalene	3600		ug/kg	2200	570	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	560	10
Acetophenone	ND		ug/kg	1800	560	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
P-Chloro-M-Cresol	ND		ug/kg	1800	520	10
2-Chlorophenol	ND		ug/kg	1800	540	10
2,4-Dichlorophenol	ND		ug/kg	1600	580	10
2,4-Dimethylphenol	ND		ug/kg	1800	530	10
2-Nitrophenol	ND		ug/kg	3900	560	10
4-Nitrophenol	ND		ug/kg	2500	580	10
2,4-Dinitrophenol	ND		ug/kg	8600	2400	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	660	10
Pentachlorophenol	ND		ug/kg	1400	380	10
Phenol	ND		ug/kg	1800	530	10
2-Methylphenol	ND		ug/kg	1800	580	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	590	10
2,4,5-Trichlorophenol	ND		ug/kg	1800	580	10
Benzoic Acid	ND		ug/kg	5800	1800	10
Benzyl Alcohol	ND		ug/kg	1800	550	10
Carbazole	3400		ug/kg	1800	380	10
Benzaldehyde	ND		ug/kg	2400	720	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06 D Date Collected: 09/13/13 15:15

Client ID: G1_COMP-08S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1800	500	10
Atrazine	ND		ug/kg	1400	410	10
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1800	300	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	8		0-136
4-Terphenyl-d14	85		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	44.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	220	52.
2,4-Dinitrophenol	ND		ug/kg	770	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	34.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	44.
Atrazine	ND		ug/kg	130	36.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Acenaphthene	90		101		31-137	12		50
1,2,4-Trichlorobenzene	72		88		38-107	20		50
Hexachlorobenzene	106		110		40-140	4		50
Bis(2-chloroethyl)ether	66		84		40-140	24		50
2-Chloronaphthalene	89		105		40-140	16		50
1,2-Dichlorobenzene	66		84		40-140	24		50
1,3-Dichlorobenzene	64		84		40-140	27		50
1,4-Dichlorobenzene	64		84		28-104	27		50
3,3'-Dichlorobenzidine	91		81		40-140	12		50
2,4-Dinitrotoluene	**109**	Q	**115**	Q	28-89	5		50
2,6-Dinitrotoluene	108		116		40-140	7		50
Fluoranthene	106		111		40-140	5		50
4-Chlorophenyl phenyl ether	98		106		40-140	8		50
4-Bromophenyl phenyl ether	107		112		40-140	5		50
Bis(2-chloroisopropyl)ether	66		83		40-140	23		50
Bis(2-chloroethoxy)methane	74		91		40-117	21		50
Hexachlorobutadiene	71		87		40-140	20		50
Hexachlorocyclopentadiene	**27**	Q	**39**	Q	40-140	36		50
Hexachloroethane	58		77		40-140	28		50
Isophorone	80		98		40-140	20		50
Naphthalene	73		89		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Nitrobenzene	70		87		40-140	22		50
NitrosoDiPhenylAmine(NDPA)/DPA	107		111			4		50
n-Nitrosodi-n-propylamine	73		90		32-121	21		50
Bis(2-Ethylhexyl)phthalate	114		115		40-140	1		50
Butyl benzyl phthalate	109		114		40-140	4		50
Di-n-butylphthalate	106		110		40-140	4		50
Di-n-octylphthalate	122		125		40-140	2		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	98		104		40-140	6		50
Benzo(a)anthracene	105		108		40-140	3		50
Benzo(a)pyrene	110		112		40-140	2		50
Benzo(b)fluoranthene	110		114		40-140	4		50
Benzo(k)fluoranthene	104		107		40-140	3		50
Chrysene	105		109		40-140	4		50
Acenaphthylene	97		111		40-140	13		50
Anthracene	109		112		40-140	3		50
Benzo(ghi)perylene	101		105		40-140	4		50
Fluorene	100		108		40-140	8		50
Phenanthrene	101		105		40-140	4		50
Dibenzo(a,h)anthracene	105		109		40-140	4		50
Indeno(1,2,3-cd)Pyrene	107		111		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Pyrene	104		111		35-142	7		50
Biphenyl	85		98			14		50
4-Chloroaniline	56		51		40-140	9		50
2-Nitroaniline	115		124		47-134	8		50
3-Nitroaniline	83		78		26-129	6		50
4-Nitroaniline	96		99		41-125	3		50
Dibenzofuran	93		104		40-140	11		50
2-Methylnaphthalene	81		97		40-140	18		50
1,2,4,5-Tetrachlorobenzene	81		96		40-117	17		50
Acetophenone	79		98		14-144	21		50
2,4,6-Trichlorophenol	108		122		30-130	12		50
P-Chloro-M-Cresol	**108**	Q	**119**	Q	26-103	10		50
2-Chlorophenol	74		93		25-102	23		50
2,4-Dichlorophenol	91		108		30-130	17		50
2,4-Dimethylphenol	94		114		30-130	19		50
2-Nitrophenol	80		100		30-130	22		50
4-Nitrophenol	114		**119**	Q	11-114	4		50
2,4-Dinitrophenol	43		49		4-130	13		50
4,6-Dinitro-o-cresol	46		50		10-130	8		50
Pentachlorophenol	97		103		17-109	6		50
Phenol	74		90		26-90	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
2-Methylphenol	83		100		30-130.	19		50
3-Methylphenol/4-Methylphenol	86		102		30-130	17		50
2,4,5-Trichlorophenol	110		123		30-130	11		50
Benzoic Acid	51		58			13		50
Benzyl Alcohol	75		92		40-140	20		50
Carbazole	106		110		54-128	4		50
Benzaldehyde	63		83			27		50
Caprolactam	108		115			6		50
Atrazine	117		114			3		50
2,3,4,6-Tetrachlorophenol	112		118			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		88		25-120
Phenol-d6	78		92		10-120
Nitrobenzene-d5	71		86		23-120
2-Fluorobiphenyl	85		99		30-120
2,4,6-Tribromophenol	113		114		0-136
4-Terphenyl-d14	92		94		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 22:34		
Analyst:	JV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	200	J	ug/kg	2900	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		70-130
4-Bromofluorobenzene	79		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 01:32		
Analyst:	AR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	322000		ug/kg	37000	3620	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 00:44		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	264000		ug/kg	35700	3500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	98		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 00:35		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	91		70-130

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 01:15		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	148000		ug/kg	38000	3720	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 01:16		
Analyst:	JV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1800	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	95		70-130

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 01:46		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	402000		ug/kg	34600	3390	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	103		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 01:56		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2700	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	90		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03-06 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03-06 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-06 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 00:57	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	7.27	1	A
Aroclor 1221	ND		ug/kg	36.8	11.1	1	A
Aroclor 1232	ND		ug/kg	36.8	7.82	1	A
Aroclor 1242	ND		ug/kg	36.8	6.99	1	A
Aroclor 1248	ND		ug/kg	36.8	4.45	1	A
Aroclor 1254	24.9	J	ug/kg	36.8	5.80	1	B
Aroclor 1260	11.7	J	ug/kg	36.8	6.39	1	A
Aroclor 1262	ND		ug/kg	36.8	2.72	1	A
Aroclor 1268	ND		ug/kg	36.8	5.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 01:10	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	6.97	1	A
Aroclor 1221	ND		ug/kg	35.3	10.6	1	A
Aroclor 1232	ND		ug/kg	35.3	7.50	1	A
Aroclor 1242	ND		ug/kg	35.3	6.70	1	A
Aroclor 1248	ND		ug/kg	35.3	4.27	1	A
Aroclor 1254	ND		ug/kg	35.3	5.56	1	A
Aroclor 1260	21.3	J	ug/kg	35.3	6.13	1	A
Aroclor 1262	ND		ug/kg	35.3	2.61	1	A
Aroclor 1268	ND		ug/kg	35.3	5.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:59	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	7.68	1	A
Aroclor 1221	ND		ug/kg	38.9	11.7	1	A
Aroclor 1232	ND		ug/kg	38.9	8.26	1	A
Aroclor 1242	ND		ug/kg	38.9	7.38	1	A
Aroclor 1248	ND		ug/kg	38.9	4.70	1	A
Aroclor 1254	ND		ug/kg	38.9	6.13	1	A
Aroclor 1260	ND		ug/kg	38.9	6.74	1	A
Aroclor 1262	ND		ug/kg	38.9	2.87	1	A
Aroclor 1268	ND		ug/kg	38.9	5.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 01:34	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	6.96	1	A
Aroclor 1221	ND		ug/kg	35.2	10.6	1	A
Aroclor 1232	ND		ug/kg	35.2	7.48	1	A
Aroclor 1242	ND		ug/kg	35.2	6.68	1	A
Aroclor 1248	ND		ug/kg	35.2	4.26	1	A
Aroclor 1254	ND		ug/kg	35.2	5.55	1	A
Aroclor 1260	33.6	J	ug/kg	35.2	6.11	1	A
Aroclor 1262	ND		ug/kg	35.2	2.60	1	A
Aroclor 1268	ND		ug/kg	35.2	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318164

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 05:53
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/17/13 00:51
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04,06 Batch: WG636596-1						
Aroclor 1016	ND		ug/kg	33.2	6.56	A
Aroclor 1221	ND		ug/kg	33.2	10.0	A
Aroclor 1232	ND		ug/kg	33.2	7.05	A
Aroclor 1242	ND		ug/kg	33.2	6.30	A
Aroclor 1248	ND		ug/kg	33.2	4.02	A
Aroclor 1254	ND		ug/kg	33.2	5.23	A
Aroclor 1260	ND		ug/kg	33.2	5.76	A
Aroclor 1262	ND		ug/kg	33.2	2.46	A
Aroclor 1268	ND		ug/kg	33.2	4.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318164

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04,06 Batch: WG636596-2 WG636596-3									
Aroclor 1016	59		65		40-140	10		50	A
Aroclor 1260	51		52		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		74		30-150	A
Decachlorobiphenyl	61		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		75		30-150	B
Decachlorobiphenyl	65		65		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:24	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	22.7	1	A
2,4,5-T	ND		ug/kg	187	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	44		30-150	A
DCAA	36		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03 D	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:34	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.93	1.75	5	A
Lindane	ND		ug/kg	3.72	1.66	5	A
Alpha-BHC	ND		ug/kg	3.72	1.06	5	A
Beta-BHC	ND		ug/kg	8.93	3.38	5	A
Heptachlor	ND		ug/kg	4.46	2.00	5	A
Aldrin	ND		ug/kg	8.93	3.14	5	A
Heptachlor epoxide	ND		ug/kg	16.7	5.02	5	A
Endrin	ND		ug/kg	3.72	1.52	5	A
Endrin ketone	ND		ug/kg	8.93	2.30	5	A
Dieldrin	ND		ug/kg	5.58	2.79	5	A
4,4'-DDE	ND		ug/kg	8.93	2.06	5	A
4,4'-DDD	ND		ug/kg	8.93	3.18	5	A
4,4'-DDT	11.5	J	ug/kg	16.7	7.18	5	B
Endosulfan I	ND		ug/kg	8.93	2.11	5	A
Endosulfan II	ND		ug/kg	8.93	2.98	5	A
Endosulfan sulfate	ND		ug/kg	3.72	1.70	5	A
Methoxychlor	ND		ug/kg	16.7	5.21	5	A
Toxaphene	ND		ug/kg	167	46.9	5	A
cis-Chlordane	ND		ug/kg	11.2	3.11	5	A
trans-Chlordane	ND		ug/kg	11.2	2.94	5	A
Chlordane	ND		ug/kg	72.5	29.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:05	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.3	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.46	10	A
Lindane	ND		ug/kg	7.36	3.29	10	A
Alpha-BHC	ND		ug/kg	7.36	2.09	10	A
Beta-BHC	ND		ug/kg	17.6	6.69	10	A
Heptachlor	ND		ug/kg	8.83	3.96	10	A
Aldrin	ND		ug/kg	17.6	6.22	10	A
Heptachlor epoxide	ND		ug/kg	33.1	9.93	10	A
Endrin	ND		ug/kg	7.36	3.02	10	A
Endrin ketone	ND		ug/kg	17.6	4.55	10	A
Dieldrin	ND		ug/kg	11.0	5.52	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.30	10	A
4,4'-DDT	ND		ug/kg	33.1	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.17	10	A
Endosulfan II	ND		ug/kg	17.6	5.90	10	A
Endosulfan sulfate	ND		ug/kg	7.36	3.36	10	A
Methoxychlor	ND		ug/kg	33.1	10.3	10	A
Toxaphene	ND		ug/kg	331	92.7	10	A
cis-Chlordane	ND		ug/kg	22.1	6.15	10	A
trans-Chlordane	ND		ug/kg	22.1	5.83	10	A
Chlordane	ND		ug/kg	143	58.5	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	**184**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 18:43	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	23.5	1	A
2,4,5-T	ND		ug/kg	193	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05 D	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:46	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.27	1.81	5	A
Lindane	ND		ug/kg	3.86	1.72	5	A
Alpha-BHC	ND		ug/kg	3.86	1.10	5	A
Beta-BHC	ND		ug/kg	9.27	3.51	5	A
Heptachlor	ND		ug/kg	4.63	2.08	5	A
Aldrin	ND		ug/kg	9.27	3.26	5	A
Heptachlor epoxide	ND		ug/kg	17.4	5.21	5	A
Endrin	ND		ug/kg	3.86	1.58	5	A
Endrin ketone	ND		ug/kg	9.27	2.39	5	A
Dieldrin	ND		ug/kg	5.79	2.90	5	A
4,4'-DDE	ND		ug/kg	9.27	2.14	5	A
4,4'-DDD	ND		ug/kg	9.27	3.30	5	A
4,4'-DDT	ND		ug/kg	17.4	7.45	5	A
Endosulfan I	ND		ug/kg	9.27	2.19	5	A
Endosulfan II	ND		ug/kg	9.27	3.10	5	A
Endosulfan sulfate	ND		ug/kg	3.86	1.76	5	A
Methoxychlor	ND		ug/kg	17.4	5.40	5	A
Toxaphene	ND		ug/kg	174	48.6	5	A
cis-Chlordane	ND		ug/kg	11.6	3.23	5	A
trans-Chlordane	ND		ug/kg	11.6	3.06	5	A
Chlordane	ND		ug/kg	75.3	30.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	123		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:03	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	21.9	1	A
2,4,5-T	ND		ug/kg	180	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06 D	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:55	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.5	3.23	10	A
Lindane	ND		ug/kg	6.88	3.07	10	A
Alpha-BHC	ND		ug/kg	6.88	1.95	10	A
Beta-BHC	ND		ug/kg	16.5	6.26	10	A
Heptachlor	ND		ug/kg	8.25	3.70	10	A
Aldrin	ND		ug/kg	16.5	5.81	10	A
Heptachlor epoxide	ND		ug/kg	30.9	9.28	10	A
Endrin	ND		ug/kg	6.88	2.82	10	A
Endrin ketone	ND		ug/kg	16.5	4.25	10	A
Dieldrin	ND		ug/kg	10.3	5.16	10	A
4,4'-DDE	ND		ug/kg	16.5	3.82	10	A
4,4'-DDD	ND		ug/kg	16.5	5.89	10	A
4,4'-DDT	ND		ug/kg	30.9	13.3	10	A
Endosulfan I	ND		ug/kg	16.5	3.90	10	A
Endosulfan II	ND		ug/kg	16.5	5.52	10	A
Endosulfan sulfate	ND		ug/kg	6.88	3.14	10	A
Methoxychlor	ND		ug/kg	30.9	9.63	10	A
Toxaphene	ND		ug/kg	309	86.6	10	A
cis-Chlordane	ND		ug/kg	20.6	5.75	10	A
trans-Chlordane	ND		ug/kg	20.6	5.45	10	A
Chlordane	ND		ug/kg	134	54.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-06 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/13 16:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/16/13 21:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-06 Batch: WG636563-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.298	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	149		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636563-2 WG636563-3									
Delta-BHC	70		79		30-150	12		30	A
Lindane	69		78		30-150	12		30	A
Alpha-BHC	65		75		30-150	14		30	A
Beta-BHC	72		79		30-150	9		30	A
Heptachlor	70		81		30-150	15		30	A
Aldrin	69		81		30-150	16		30	A
Heptachlor epoxide	63		74		30-150	16		30	A
Endrin	75		89		30-150	17		30	A
Endrin ketone	65		76		30-150	16		30	A
Dieldrin	66		79		30-150	18		30	A
4,4'-DDE	64		76		30-150	17		30	A
4,4'-DDD	66		79		30-150	18		30	A
4,4'-DDT	68		80		30-150	16		30	A
Endosulfan I	66		78		30-150	17		30	A
Endosulfan II	59		70		30-150	17		30	A
Endosulfan sulfate	63		74		30-150	16		30	A
Methoxychlor	68		80		30-150	16		30	A
cis-Chlordane	65		77		30-150	17		30	A
trans-Chlordane	66		79		30-150	18		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636563-2 WG636563-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		85		30-150	A
Decachlorobiphenyl	94		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	B
Decachlorobiphenyl	131		143		30-150	B

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Barium, TCLP	0.55		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:51	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3500		mg/kg	8.8	1.8	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Antimony, Total	1.2	J	mg/kg	4.4	0.70	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Arsenic, Total	18		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Barium, Total	120		mg/kg	0.88	0.26	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Beryllium, Total	0.21	J	mg/kg	0.44	0.09	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Cadmium, Total	0.66	J	mg/kg	0.88	0.06	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Calcium, Total	18000		mg/kg	8.8	2.6	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Chromium, Total	8.4		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Cobalt, Total	5.0		mg/kg	1.8	0.44	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Copper, Total	150		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.4	1.8	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Lead, Total	330		mg/kg	4.4	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Magnesium, Total	1400		mg/kg	8.8	0.88	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Mercury, Total	1.2		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:29	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Potassium, Total	570		mg/kg	220	35.	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Selenium, Total	2.6		mg/kg	1.8	0.26	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	180	26.	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Vanadium, Total	13		mg/kg	0.88	0.09	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Zinc, Total	130		mg/kg	4.4	0.62	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Barium, TCLP	0.71		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Chromium, TCLP	0.02	J	mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Lead, TCLP	0.07	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:53	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	8.3	1.7	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Arsenic, Total	6.3		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Barium, Total	200		mg/kg	0.83	0.25	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Beryllium, Total	4.2		mg/kg	0.42	0.08	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Cadmium, Total	1.5		mg/kg	0.83	0.06	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Calcium, Total	34000		mg/kg	8.3	2.5	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Chromium, Total	54		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Cobalt, Total	56		mg/kg	1.7	0.42	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Copper, Total	920		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Iron, Total	33000		mg/kg	4.2	1.7	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Lead, Total	810		mg/kg	4.2	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Magnesium, Total	11000		mg/kg	8.3	0.83	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Manganese, Total	440		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Mercury, Total	1.4		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:31	EPA 7471B	1,7471B	MC
Nickel, Total	92		mg/kg	2.1	0.33	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Potassium, Total	820		mg/kg	210	33.	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Selenium, Total	0.49	J	mg/kg	1.7	0.25	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Silver, Total	0.32	J	mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Sodium, Total	710		mg/kg	170	25.	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.33	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.83	0.08	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Zinc, Total	5400		mg/kg	21	2.9	10	09/17/13 14:42	09/19/13 18:47	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Barium, TCLP	0.22	J	mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Lead, TCLP	0.41	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:55	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05
Client ID: G1_COMP-08D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/13/13 15:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6500		mg/kg	9.3	1.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Arsenic, Total	30		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Barium, Total	110		mg/kg	0.93	0.28	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Beryllium, Total	1.0		mg/kg	0.46	0.09	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Cadmium, Total	1.6		mg/kg	0.93	0.07	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Calcium, Total	13000		mg/kg	9.3	2.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Cobalt, Total	10		mg/kg	1.8	0.46	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Copper, Total	310		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Iron, Total	28000		mg/kg	4.6	1.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Lead, Total	380		mg/kg	4.6	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Magnesium, Total	1200		mg/kg	9.3	0.93	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Manganese, Total	120		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Mercury, Total	1.5		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:32	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.3	0.37	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Potassium, Total	860		mg/kg	230	37.	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Selenium, Total	2.4		mg/kg	1.8	0.28	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Silver, Total	0.21	J	mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Sodium, Total	550		mg/kg	180	28.	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.93	0.09	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Zinc, Total	220		mg/kg	4.6	0.65	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Barium, TCLP	0.41	J	mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Lead, TCLP	0.20	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:56	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8400		mg/kg	8.5	1.7	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.68	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Barium, Total	340		mg/kg	0.85	0.25	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Beryllium, Total	4.0		mg/kg	0.42	0.09	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.85	0.06	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Calcium, Total	48000		mg/kg	8.5	2.5	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Chromium, Total	54		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Cobalt, Total	29		mg/kg	1.7	0.42	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Copper, Total	440		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.2	1.7	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Lead, Total	680		mg/kg	4.2	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Magnesium, Total	14000		mg/kg	8.5	0.85	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Mercury, Total	0.22		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 11:34	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.1	0.34	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Potassium, Total	1300		mg/kg	210	34.	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Selenium, Total	0.69	J	mg/kg	1.7	0.25	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Sodium, Total	560		mg/kg	170	25.	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Vanadium, Total	24		mg/kg	0.85	0.09	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Zinc, Total	2500		mg/kg	21	3.0	10	09/17/13 14:42	09/19/13 19:06	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-06 Batch: WG636801-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Calcium, Total	2.4	J	mg/kg	4.0	1.2	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-06 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-06 Batch: WG637118-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-06 Batch: WG637435-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 10:56	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG636801-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	109		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	92		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	100		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	108		-		66-134	-		
Sodium, Total	103		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG636801-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 Batch: WG637118-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	104	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG637435-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample												
Aluminum, Total	4200	164	5000	**489**	Q	5100	**524**	Q	75-125	2		35
Antimony, Total	ND	40.9	37	90		39	91		75-125	5		35
Arsenic, Total	0.95	9.82	11	102		11	97		75-125	0		35
Barium, Total	8.4	164	170	99		180	100		75-125	6		35
Beryllium, Total	0.18J	4.09	4.2	103		4.4	102		75-125	5		35
Cadmium, Total	0.29J	4.17	4.2	101		4.5	103		75-125	7		35
Calcium, Total	620	818	4500	**474**	Q	1900	**149**	Q	75-125	**81**	Q	35
Chromium, Total	9.4	16.4	24	89		29	114		75-125	19		35
Cobalt, Total	2.1	40.9	40	93		43	95		75-125	7		35
Copper, Total	7.7	20.4	29	104		29	99		75-125	0		35
Iron, Total	9400	81.8	9100	**0**	Q	10000	**698**	Q	75-125	9		35
Lead, Total	3.5J	41.7	44	105		46	105		75-125	4		35
Magnesium, Total	680	818	1600	112		1600	107		75-125	0		35
Manganese, Total	59.	40.9	120	**149**	Q	100	95		75-125	18		35
Nickel, Total	5.5	40.9	44	94		46	94		75-125	4		35
Potassium, Total	190J	818	1000	122		1000	116		75-125	0		35
Selenium, Total	ND	9.82	9.9	101		10	97		75-125	1		35
Silver, Total	ND	24.5	24	98		25	97		75-125	4		35
Sodium, Total	140J	818	1600	**196**	Q	1300	**151**	Q	75-125	21		35
Thallium, Total	ND	9.82	8.4	86		9.0	87		75-125	7		35
Vanadium, Total	11.	40.9	51	98		56	105		75-125	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample										
Zinc, Total	11.	40.9	52	100		52	95	75-125	0	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0246	98		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637118-4 QC Sample: L1318152-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.14J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.53	104		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.0	100		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637435-4 QC Sample: L1318157-06 Client ID: MS Sample										
Mercury, Total	0.06J	0.16	0.26	**162**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637118-3 QC Sample: L1318152-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.14J	0.14J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	0.02J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637435-3 QC Sample: L1318157-06 Client ID: DUP Sample						
Mercury, Total	0.06J	0.09	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-01
Client ID: G1_SB-07A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-02
Client ID: G1_SB-07A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	8.4		mg/kg	0.92	0.92	1	-	09/20/13 10:52	107,-	JO
Solids, Total	86.9		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:45	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	09/16/13 22:00	09/18/13 00:28	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	54		mg/kg	0.89	0.89	1	-	09/20/13 10:52	107,-	JO
Solids, Total	90.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:49	1,9010C/9012A	JO
pH (H)	8.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 22:00	09/18/13 00:29	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:43	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05
Client ID: G1_COMP-08D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:20
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.94	0.94	1	-	09/20/13 10:52	107,-	JO
Solids, Total	85.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/17/13 11:20	09/18/13 14:50	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 22:00	09/18/13 00:29	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:43	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	54		mg/kg	0.88	0.88	1	-	09/20/13 10:52	107,-	JO
Solids, Total	91.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/17/13 11:20	09/18/13 14:51	1,9010C/9012A	JO
pH (H)	11.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 22:00	09/18/13 00:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:52	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:44	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-07
Client ID: G1_SB-08A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-08
Client ID: G1_SB-08A_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: DUP Sample						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:33

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-01A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-01X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-01Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-01Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-02X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-03A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-03B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-03C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-03X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-04A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-04B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-04C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-05A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-05B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-05C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-05X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-06A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-06B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-06C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-06X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-07A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-07X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-07Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-07Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-08X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-09A	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1318164-09B	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318164

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St. 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170 229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013 9603

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 9/20/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (+ 10 Metals, Total CN, Hex Chrom, TCLP ROP & metals, RCRA char)	SVOC (+ 8 PEST, Herb, TPH DRO)	4PH GRO	VOC	Sample Specific Comments	Total # Bottles
18164.1	GI_SB-07A_(3.5-4)	9/13/13	13:45	SOIL	NB	X	X				4
2	GI-SB-07A_(9-9.5)		13:55		NB	X	X				4
3	GI_COMP-07D_5-10		14:10		NB	X	X	X			3
4	GI_COMP-07S_0-5		14:05		NB	X	X	X			3
5	GI_COMP-08D_5-10		15:20		NB	X	X	X			3
6	GI_COMP-08S_0-5		15:15		NB	X	X	X			3
7	GI_SB-08A_(9-9.5)		1500		NB	X	X				4
8	GI_SB-08A_(4.5-5)		14:55		NB	X	X				4
9	TRIP BLANK							X			2

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type													
Preservative													

COOLER C

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
[illegible]	9/14/13 00:20	[illegible]	9/14/13 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318166
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/24/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318166-01	CSO_SB-02B_5-5.5	BROOKLYN, NY	09/14/13 09:40
L1318166-02	CSO_COMP-02_0-10	BROOKLYN, NY	09/14/13 10:00
L1318166-03	CSO_COMP-03_0-10	BROOKLYN, NY	09/14/13 11:00
L1318166-04	CSO_SB-03A_8.5-9	BROOKLYN, NY	09/14/13 10:50
L1318166-05	CSO_COMP-04_0-10	BROOKLYN, NY	09/14/13 11:55
L1318166-06	TB01_091413	BROOKLYN, NY	09/14/13 00:00
L1318166-07	CSO_SB-04B_6.5-7.0	BROOKLYN, NY	09/14/13 11:45

Project Name: GREENPOINT LANDING **Lab Number:** L1318166
Project Number: 170229002 **Report Date:** 09/24/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1318166-02 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Organochlorine Pesticides

L1318166-02 and -03 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318166-02, -03 and -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318166-02, -03 and -05, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 09/24/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-01	Date Collected:	09/14/13 09:40
Client ID:	CSO_SB-02B_5-5.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 15:51		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.50	1
Bromoform	ND		ug/kg	4.4	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-01 Date Collected: 09/14/13 09:40

Client ID: CSO_SB-02B_5-5.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	3.6	J	ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.4	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.61	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.86	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	1.7	J	ug/kg	5.4	0.84	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
Methyl Acetate	ND		ug/kg	22	0.83	1
Cyclohexane	ND		ug/kg	22	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-01	Date Collected:	09/14/13 09:40
Client ID:	CSO_SB-02B_5-5.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.4	0.17	1
p-Ethyltoluene	ND		ug/kg	4.4	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.49	1
Methyl cyclohexane	ND		ug/kg	4.4	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-04	Date Collected:	09/14/13 10:50
Client ID:	CSO_SB-03A_8.5-9	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 22:32		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.42	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-04 Date Collected: 09/14/13 10:50

Client ID: CSO_SB-03A_8.5-9 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.40	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	8.5	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.69	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.97	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.97	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
Methyl Acetate	ND		ug/kg	24	0.94	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-04	Date Collected:	09/14/13 10:50
Client ID:	CSO_SB-03A_8.5-9	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.34	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.55	1
Methyl cyclohexane	ND		ug/kg	4.9	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-06	Date Collected:	09/14/13 00:00
Client ID:	TB01_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:29		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-06 Date Collected: 09/14/13 00:00

Client ID: TB01_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-06	Date Collected:	09/14/13 00:00
Client ID:	TB01_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-07	Date Collected:	09/14/13 11:45
Client ID:	CSO_SB-04B_6.5-7.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 23:00		
Analyst:	PP		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.7	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.7	0.61	1
Bromoform	ND		ug/kg	5.4	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.23	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	0.39	J	ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-07 Date Collected: 09/14/13 11:45

Client ID: CSO_SB-04B_6.5-7.0 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.43	1
o-Xylene	ND		ug/kg	2.7	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	ND		ug/kg	13	4.2	1
Carbon disulfide	ND		ug/kg	13	2.7	1
2-Butanone	ND		ug/kg	13	0.48	1
Vinyl acetate	ND		ug/kg	13	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.7	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.43	1
Bromobenzene	ND		ug/kg	6.7	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.27	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.7	0.76	1
o-Chlorotoluene	ND		ug/kg	6.7	0.22	1
p-Chlorotoluene	ND		ug/kg	6.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.57	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.7	1.0	1
Acrylonitrile	ND		ug/kg	13	0.32	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.7	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.7	0.77	1
Methyl Acetate	ND		ug/kg	27	1.0	1
Cyclohexane	ND		ug/kg	27	1.4	1
1,4-Dioxane	ND		ug/kg	130	23.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-07	Date Collected:	09/14/13 11:45
Client ID:	CSO_SB-04B_6.5-7.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	27	0.37	1
p-Diethylbenzene	ND		ug/kg	5.4	0.22	1
p-Ethyltoluene	ND		ug/kg	5.4	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.18	1
Ethyl ether	ND		ug/kg	6.7	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	0.60	1
Methyl cyclohexane	ND		ug/kg	5.4	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
Freon-113	89		88		50-139	1		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
Freon-113	85		83		50-139	2		30
p-Diethylbenzene	94		94		70-130	0		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 21:36		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160	J	ug/kg	600	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	750	250	4
Hexachlorobenzene	ND		ug/kg	450	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	680	210	4
2-Chloronaphthalene	ND		ug/kg	750	240	4
1,2-Dichlorobenzene	ND		ug/kg	750	250	4
1,3-Dichlorobenzene	ND		ug/kg	750	240	4
1,4-Dichlorobenzene	ND		ug/kg	750	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	750	200	4
2,4-Dinitrotoluene	ND		ug/kg	750	160	4
2,6-Dinitrotoluene	ND		ug/kg	750	190	4
Fluoranthene	4000		ug/kg	450	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	750	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	750	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	900	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	810	230	4
Hexachlorobutadiene	ND		ug/kg	750	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	480	4
Hexachloroethane	ND		ug/kg	600	140	4
Isophorone	ND		ug/kg	680	200	4
Naphthalene	320	J	ug/kg	750	250	4
Nitrobenzene	ND		ug/kg	680	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	600	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	750	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	750	200	4
Butyl benzyl phthalate	ND		ug/kg	750	150	4
Di-n-butylphthalate	ND		ug/kg	750	140	4
Di-n-octylphthalate	ND		ug/kg	750	180	4
Diethyl phthalate	ND		ug/kg	750	160	4
Dimethyl phthalate	ND		ug/kg	750	190	4
Benzo(a)anthracene	2000		ug/kg	450	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02 D Date Collected: 09/14/13 10:00

Client ID: CSO_COMP-02_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2600		ug/kg	600	180	4
Benzo(b)fluoranthene	2800		ug/kg	450	150	4
Benzo(k)fluoranthene	1100		ug/kg	450	140	4
Chrysene	2200		ug/kg	450	150	4
Acenaphthylene	210	J	ug/kg	600	140	4
Anthracene	720		ug/kg	450	120	4
Benzo(ghi)perylene	1900		ug/kg	600	160	4
Fluorene	220	J	ug/kg	750	220	4
Phenanthrene	2500		ug/kg	450	150	4
Dibenzo(a,h)anthracene	440	J	ug/kg	450	140	4
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	600	170	4
Pyrene	3500		ug/kg	450	150	4
Biphenyl	ND		ug/kg	1700	250	4
4-Chloroaniline	ND		ug/kg	750	200	4
2-Nitroaniline	ND		ug/kg	750	210	4
3-Nitroaniline	ND		ug/kg	750	210	4
4-Nitroaniline	ND		ug/kg	750	200	4
Dibenzofuran	ND		ug/kg	750	250	4
2-Methylnaphthalene	ND		ug/kg	900	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	750	230	4
Acetophenone	ND		ug/kg	750	230	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
P-Chloro-M-Cresol	ND		ug/kg	750	220	4
2-Chlorophenol	ND		ug/kg	750	230	4
2,4-Dichlorophenol	ND		ug/kg	680	240	4
2,4-Dimethylphenol	ND		ug/kg	750	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	600	160	4
Phenol	ND		ug/kg	750	220	4
2-Methylphenol	ND		ug/kg	750	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	750	240	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	750	230	4
Carbazole	270	J	ug/kg	750	160	4
Benzaldehyde	ND		ug/kg	990	300	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02 D
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	750	210	4
Atrazine	ND		ug/kg	600	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	750	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	81		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:03		
Analyst:	PS		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100		ug/kg	180	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	72.	1
Hexachlorobenzene	ND		ug/kg	130	41.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	61.	1
2-Chloronaphthalene	ND		ug/kg	220	71.	1
1,2-Dichlorobenzene	ND		ug/kg	220	72.	1
1,3-Dichlorobenzene	ND		ug/kg	220	69.	1
1,4-Dichlorobenzene	ND		ug/kg	220	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	56.	1
Fluoranthene	7600		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	66.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	77.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	66.	1
Hexachlorobutadiene	ND		ug/kg	220	62.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	140	1
Hexachloroethane	ND		ug/kg	180	40.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	520		ug/kg	220	73.	1
Nitrobenzene	ND		ug/kg	200	52.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	65.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	57.	1
Butyl benzyl phthalate	ND		ug/kg	220	43.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	54.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1
Benzo(a)anthracene	3900		ug/kg	130	43.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03 Date Collected: 09/14/13 11:00

Client ID: CSO_COMP-03_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3500		ug/kg	180	54.	1
Benzo(b)fluoranthene	4100		ug/kg	130	44.	1
Benzo(k)fluoranthene	1700		ug/kg	130	42.	1
Chrysene	3500		ug/kg	130	43.	1
Acenaphthylene	430		ug/kg	180	41.	1
Anthracene	2900		ug/kg	130	36.	1
Benzo(ghi)perylene	1700		ug/kg	180	46.	1
Fluorene	1400		ug/kg	220	63.	1
Phenanthrene	7600		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	570		ug/kg	130	42.	1
Indeno(1,2,3-cd)Pyrene	2000		ug/kg	180	48.	1
Pyrene	6600		ug/kg	130	42.	1
Biphenyl	120	J	ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	58.	1
2-Nitroaniline	ND		ug/kg	220	62.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	860		ug/kg	220	73.	1
2-Methylnaphthalene	330		ug/kg	260	70.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	68.	1
Acetophenone	ND		ug/kg	220	68.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
P-Chloro-M-Cresol	ND		ug/kg	220	63.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
2,4-Dichlorophenol	ND		ug/kg	200	71.	1
2,4-Dimethylphenol	ND		ug/kg	220	65.	1
2-Nitrophenol	ND		ug/kg	470	68.	1
4-Nitrophenol	ND		ug/kg	310	71.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	80.	1
Pentachlorophenol	ND		ug/kg	180	47.	1
Phenol	ND		ug/kg	220	65.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	72.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	71.	1
Benzoic Acid	ND		ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	1200		ug/kg	220	47.	1
Benzaldehyde	ND		ug/kg	290	88.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	60.	1
Atrazine	ND		ug/kg	180	50.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	92		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:31		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	72	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	1200		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	100	J	ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	40	J	ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	510		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05 Date Collected: 09/14/13 11:55

Client ID: CSO_COMP-04_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	560		ug/kg	160	48.	1
Benzo(b)fluoranthene	650		ug/kg	120	40.	1
Benzo(k)fluoranthene	240		ug/kg	120	37.	1
Chrysene	550		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	260		ug/kg	120	32.	1
Benzo(ghi)perylene	410		ug/kg	160	41.	1
Fluorene	90	J	ug/kg	200	56.	1
Phenanthrene	990		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	110	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	390		ug/kg	160	43.	1
Pyrene	1100		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	64.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	86	J	ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	97	J	ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	107		0-136
4-Terphenyl-d14	99		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 02:37		
Analyst:	JV		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 18:19		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1850000		ug/kg	182000	17800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 02:48		
Analyst:	AR		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	317000		ug/kg	43400	4250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 03:18		
Analyst:	JV		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	3400	65.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	93		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 04:21		
Analyst:	AR		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	74500		ug/kg	37600	3680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	106		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 03:58		
Analyst:	JV		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1300	J	ug/kg	3000	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	102		70-130
4-Bromofluorobenzene	95		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02-03,05 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02-03,05 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: MS Sample												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: DUP Sample					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:22	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	7.36	1	A
Aroclor 1221	ND		ug/kg	37.2	11.2	1	A
Aroclor 1232	ND		ug/kg	37.2	7.91	1	A
Aroclor 1242	ND		ug/kg	37.2	7.07	1	A
Aroclor 1248	24.6	J	ug/kg	37.2	4.51	1	B
Aroclor 1254	23.1	J	ug/kg	37.2	5.87	1	B
Aroclor 1260	28.3	J	ug/kg	37.2	6.46	1	B
Aroclor 1262	ND		ug/kg	37.2	2.75	1	A
Aroclor 1268	ND		ug/kg	37.2	5.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:35	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	74%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.5	8.59	1	A
Aroclor 1221	ND		ug/kg	43.5	13.1	1	A
Aroclor 1232	ND		ug/kg	43.5	9.24	1	A
Aroclor 1242	ND		ug/kg	43.5	8.25	1	A
Aroclor 1248	ND		ug/kg	43.5	5.26	1	A
Aroclor 1254	ND		ug/kg	43.5	6.85	1	A
Aroclor 1260	ND		ug/kg	43.5	7.55	1	A
Aroclor 1262	ND		ug/kg	43.5	3.22	1	A
Aroclor 1268	ND		ug/kg	43.5	6.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:48	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	7.52	1	A
Aroclor 1221	ND		ug/kg	38.1	11.5	1	A
Aroclor 1232	ND		ug/kg	38.1	8.09	1	A
Aroclor 1242	ND		ug/kg	38.1	7.23	1	A
Aroclor 1248	ND		ug/kg	38.1	4.61	1	A
Aroclor 1254	ND		ug/kg	38.1	6.00	1	A
Aroclor 1260	ND		ug/kg	38.1	6.61	1	A
Aroclor 1262	ND		ug/kg	38.1	2.82	1	A
Aroclor 1268	ND		ug/kg	38.1	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318166

Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:23	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	22.7	1	A
2,4,5-T	ND		ug/kg	187	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	57		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 11:38	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.5	3.43	10	A
Lindane	ND		ug/kg	7.30	3.26	10	A
Alpha-BHC	ND		ug/kg	7.30	2.07	10	A
Beta-BHC	ND		ug/kg	17.5	6.64	10	A
Heptachlor	ND		ug/kg	8.76	3.93	10	A
Aldrin	ND		ug/kg	17.5	6.17	10	A
Heptachlor epoxide	ND		ug/kg	32.8	9.86	10	A
Endrin	ND		ug/kg	7.30	2.99	10	A
Endrin ketone	ND		ug/kg	17.5	4.51	10	A
Dieldrin	ND		ug/kg	11.0	5.48	10	A
4,4'-DDE	ND		ug/kg	17.5	4.05	10	A
4,4'-DDD	ND		ug/kg	17.5	6.25	10	A
4,4'-DDT	ND		ug/kg	32.8	14.1	10	A
Endosulfan I	ND		ug/kg	17.5	4.14	10	A
Endosulfan II	ND		ug/kg	17.5	5.86	10	A
Endosulfan sulfate	ND		ug/kg	7.30	3.34	10	A
Methoxychlor	ND		ug/kg	32.8	10.2	10	A
Toxaphene	ND		ug/kg	328	92.0	10	A
cis-Chlordane	ND		ug/kg	21.9	6.10	10	A
trans-Chlordane	ND		ug/kg	21.9	5.78	10	A
Chlordane	ND		ug/kg	142	58.0	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:43	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	221	26.9	1	A
2,4,5-T	ND		ug/kg	221	13.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	221	12.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	108		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03 D	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 11:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	20.9	4.09	10	A
Lindane	ND		ug/kg	8.71	3.89	10	A
Alpha-BHC	ND		ug/kg	8.71	2.47	10	A
Beta-BHC	ND		ug/kg	20.9	7.92	10	A
Heptachlor	ND		ug/kg	10.4	4.68	10	A
Aldrin	ND		ug/kg	20.9	7.36	10	A
Heptachlor epoxide	ND		ug/kg	39.2	11.8	10	A
Endrin	ND		ug/kg	8.71	3.57	10	A
Endrin ketone	ND		ug/kg	20.9	5.38	10	A
Dieldrin	ND		ug/kg	13.1	6.53	10	A
4,4'-DDE	ND		ug/kg	20.9	4.83	10	A
4,4'-DDD	ND		ug/kg	20.9	7.45	10	A
4,4'-DDT	ND		ug/kg	39.2	16.8	10	A
Endosulfan I	ND		ug/kg	20.9	4.94	10	A
Endosulfan II	ND		ug/kg	20.9	6.98	10	A
Endosulfan sulfate	ND		ug/kg	8.71	3.98	10	A
Methoxychlor	ND		ug/kg	39.2	12.2	10	A
Toxaphene	ND		ug/kg	392	110.	10	A
cis-Chlordane	ND		ug/kg	26.1	7.28	10	A
trans-Chlordane	ND		ug/kg	26.1	6.90	10	A
Chlordane	ND		ug/kg	170	69.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	145		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**411**	Q	30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 12:04	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.428	1	A
4,4'-DDD	ND		ug/kg	1.85	0.660	1	A
4,4'-DDT	3.88		ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.352	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.71	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.610	1	A
Chlordane	ND		ug/kg	15.0	6.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:03	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	24.0	1	A
2,4,5-T	ND		ug/kg	198	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	10.9	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 12:17
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/19/13 14:36
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG637490-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.596	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.884	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.982	0.491	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.525	A
Endosulfan sulfate	ND		ug/kg	0.654	0.299	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.25	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.8	5.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637490-2 WG637490-3									
Delta-BHC	95		98		30-150	3		30	A
Lindane	83		88		30-150	6		30	A
Alpha-BHC	83		84		30-150	1		30	A
Beta-BHC	80		86		30-150	7		30	A
Heptachlor	89		95		30-150	7		30	A
Aldrin	88		94		30-150	7		30	A
Heptachlor epoxide	82		93		30-150	13		30	A
Endrin	99		100		30-150	1		30	A
Endrin ketone	95		93		30-150	2		30	A
Dieldrin	92		96		30-150	4		30	A
4,4'-DDE	86		89		30-150	3		30	A
4,4'-DDD	94		94		30-150	0		30	A
4,4'-DDT	93		87		30-150	7		30	A
Endosulfan I	92		97		30-150	5		30	A
Endosulfan II	100		77		30-150	26		30	A
Endosulfan sulfate	104		102		30-150	2		30	A
Methoxychlor	82		84		30-150	2		30	A
cis-Chlordane	85		84		30-150	1		30	A
trans-Chlordane	88		90		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318166

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637490-2 WG637490-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	A
Decachlorobiphenyl	93		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		65		30-150	B
Decachlorobiphenyl	102		104		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Barium, TCLP	0.60		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Lead, TCLP	0.18	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:55	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8700		mg/kg	8.9	1.8	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.71	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.89	0.27	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Beryllium, Total	0.87		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Cadmium, Total	0.87	J	mg/kg	0.89	0.06	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Calcium, Total	28000		mg/kg	8.9	2.7	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Chromium, Total	25		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Cobalt, Total	12		mg/kg	1.8	0.44	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Copper, Total	230		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Iron, Total	22000		mg/kg	4.4	1.8	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Lead, Total	360		mg/kg	4.4	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Magnesium, Total	6700		mg/kg	8.9	0.89	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Mercury, Total	0.45		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:26	EPA 7471B	1,7471B	MC
Nickel, Total	24		mg/kg	2.2	0.36	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Potassium, Total	1100		mg/kg	220	36.	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Selenium, Total	0.91	J	mg/kg	1.8	0.27	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Sodium, Total	320		mg/kg	180	27.	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Vanadium, Total	25		mg/kg	0.89	0.09	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Zinc, Total	700		mg/kg	4.4	0.62	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Barium, TCLP	0.64		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Lead, TCLP	3.6		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:57	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03
Client ID: CSO_COMP-03_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 09/14/13 11:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7000		mg/kg	10	2.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Antimony, Total	1.9	J	mg/kg	5.1	0.82	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Arsenic, Total	20		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Barium, Total	150		mg/kg	1.0	0.31	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Beryllium, Total	0.54		mg/kg	0.51	0.10	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Cadmium, Total	0.93	J	mg/kg	1.0	0.07	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Calcium, Total	26000		mg/kg	10	3.1	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Cobalt, Total	7.4		mg/kg	2.0	0.51	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Copper, Total	87		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Iron, Total	23000		mg/kg	5.1	2.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Lead, Total	920		mg/kg	5.1	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Magnesium, Total	3400		mg/kg	10	1.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Manganese, Total	490		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Mercury, Total	0.41		mg/kg	0.11	0.02	1	09/21/13 12:30	09/23/13 10:28	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.6	0.41	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	260	41.	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Selenium, Total	0.48	J	mg/kg	2.0	0.31	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	200	31.	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.41	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	1.0	0.10	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Zinc, Total	370		mg/kg	5.1	0.72	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Barium, TCLP	0.50		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Lead, TCLP	1.7		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:58	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05
Client ID: CSO_COMP-04_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 09/14/13 11:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9000		mg/kg	9.3	1.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Arsenic, Total	9.6		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.93	0.28	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Beryllium, Total	1.2		mg/kg	0.46	0.09	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Cadmium, Total	0.93		mg/kg	0.93	0.07	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Calcium, Total	31000		mg/kg	9.3	2.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Cobalt, Total	11		mg/kg	1.8	0.46	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Copper, Total	68		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.6	1.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Lead, Total	420		mg/kg	4.6	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Magnesium, Total	6800		mg/kg	9.3	0.93	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Manganese, Total	270		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Mercury, Total	0.23		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:29	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.3	0.37	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Potassium, Total	800		mg/kg	230	37.	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Selenium, Total	0.68	J	mg/kg	1.8	0.28	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Sodium, Total	240		mg/kg	180	28.	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.93	0.09	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Zinc, Total	290		mg/kg	4.6	0.65	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02-03,05 Batch: WG637383-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03,05 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Thallium, Total	ND	mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03,05 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02-03,05 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637383-2								
Arsenic, TCLP	108		-		75-125	-		20
Barium, TCLP	105		-		75-125	-		20
Cadmium, TCLP	106		-		75-125	-		20
Chromium, TCLP	105		-		75-125	-		20
Lead, TCLP	104		-		75-125	-		20
Selenium, TCLP	117		-		75-125	-		20
Silver, TCLP	108		-		75-125	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	78	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637383-4 QC Sample: L1318339-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.3	108		-	-		75-125	-		20
Barium, TCLP	0.34J	20	21	105		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.54	106		-	-		75-125	-		20
Chromium, TCLP	0.10J	2	2.2	110		-	-		75-125	-		20
Lead, TCLP	0.14J	5.1	5.4	106		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.4	117		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.54	108		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Aluminum, Total	1500	194	2700	**618**	Q	-	-	75-125	-	35
Antimony, Total	4.4J	48.5	52	107		-	-	75-125	-	35
Arsenic, Total	12.	11.6	23	86		-	-	75-125	-	35
Barium, Total	360	194	670	**154**	Q	-	-	75-125	-	35
Beryllium, Total	0.22J	4.85	5.1	105		-	-	75-125	-	35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-	75-125	-	35
Calcium, Total	620	971	4700	**419**	Q	-	-	75-125	-	35
Chromium, Total	14.	19.4	27	**62**	Q	-	-	75-125	-	35
Cobalt, Total	3.4	48.5	49	94		-	-	75-125	-	35
Copper, Total	130	24.3	120	**0**	Q	-	-	75-125	-	35
Iron, Total	5800	97.1	5200	**0**	Q	-	-	75-125	-	35
Lead, Total	420	49.5	280	**0**	Q	-	-	75-125	-	35
Magnesium, Total	290	971	1200	93		-	-	75-125	-	35
Manganese, Total	56.	48.5	110	107		-	-	75-125	-	35
Nickel, Total	15.	48.5	56	84		-	-	75-125	-	35
Potassium, Total	220J	971	1300	**134**	Q	-	-	75-125	-	35
Selenium, Total	6.1	11.6	16	84		-	-	75-125	-	35
Silver, Total	0.26J	29.1	28	96		-	-	75-125	-	35
Sodium, Total	120J	971	1200	124		-	-	75-125	-	35
Thallium, Total	ND	11.6	10	86		-	-	75-125	-	35
Vanadium, Total	8.1	48.5	54	94		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637383-3 QC Sample: L1318339-01 Client ID: DUP Sample						
Lead, TCLP	0.14J	0.15J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-01
Client ID: CSO_SB-02B_5-5.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:40
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	25		mg/kg	0.91	0.91	1	-	09/23/13 11:29	107,-	JO
Solids, Total	88.2		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:51	1,9010C/9012A	JO
pH (H)	10		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.91	0.20	1	09/16/13 22:00	09/18/13 00:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:07	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03
Client ID: CSO_COMP-03_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	1.1	1.1	1	-	09/23/13 11:29	107,-	JO
Solids, Total	74.0		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.31	1	09/18/13 10:00	09/18/13 15:20	1,9010C/9012A	JO
pH (H)	8.4		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.24	1	09/16/13 22:00	09/18/13 00:31	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:07	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-04
Client ID: CSO_SB-03A_8.5-9
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 10:50
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05
Client ID: CSO_COMP-04_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.95	0.95	1	-	09/23/13 11:29	107,-	JO
Solids, Total	83.9		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	09/18/13 10:00	09/18/13 15:21	1,9010C/9012A	JO
pH (H)	7.9		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.95	0.21	1	09/16/13 22:00	09/18/13 00:31	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-07
Client ID: CSO_SB-04B_6.5-7.0
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:45
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636888-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:06	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636890-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/17/13 23:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03,05 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636888-2								
Cyanide, Reactive	43		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636890-2								
Sulfide, Reactive	89		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03,05 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: CSO_COMP-02_0-10						
pH (H)	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636888-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636890-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-05,07 QC Batch ID: WG636931-1 QC Sample: L1318141-01 Client ID: DUP Sample						
Solids, Total	89.9	91.1	%	1		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:09

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-01A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-01X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-01Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-01Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-02A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-02B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-02C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-02X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-03A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-03B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-03C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-03X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-04A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-04X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-04Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-04Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-05A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-05B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-05C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-05X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-06A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1318166-06B	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1318166-07A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-07X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-07Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-07Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)

Container Comments

L1318166-02C

L1318166-03B

L1318166-03C

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318166
Project Number: 170229002 **Report Date:** 09/24/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil □Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.□

Massachusetts Department of Environmental Protection Certi□icate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: □EPA 200.8 □or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ □EPA 200.7 □or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni□ 245.1, □300.0 □or: Nitrate-N, Fluoride, Sul□ate□□ □EPA 353.2 □or: Nitrate-N, Nitrite-N□□ □SM4500NO3-F □or: Nitrate-N and Nitrite-N□□4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: □EPA 524.2 □or: Trihalomethanes, Volatile Organics□□□504.1 □or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane□, EPA 332. Microbiology Parameters: SM9215B□EN□. SUB. SM9223□ Colilert□T SM9223B□MF-SM9222D.□

*Non-Potable Water (*Inorganic Parameters:, □EPA 200.8 □or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□□EPA 200.7 □or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□□ 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, □EPA 350.1 □or: Ammonia-N□, LACHAT 10-107-06-1-B □or Ammonia-N, SM4500NO3-F, 353.2 □or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: □EPA 624 □or Volatile Halocarbons, Volatile Aromatics□,□608 □or: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs-Water□, □EPA 625 □or SVOC Acid E□tractables and SVOC Base/Neutral E□tractables□, 600/4-81-045-PCB-Oil. Microbiology Parameters: □Colilert□T SM9223B□ Enterolert-□T: SM9222D-MF.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H□B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H□B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.□

Solid & Chemical Materials □Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.□

New Hampshire Department of Environmental Services Certi□icate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water □Organic Parameters: **EPA 524.2:** Di-isopropyl ether □DIPE□, Ethyl-t-butyl ether □ETBE□, Tert-amyl methyl ether □TAME□□.

Non-Potable Water □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.□

Solid & Chemical Materials □Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.□

New Jersey Department of Environmental Protection Certi□icate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5□E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dio□ane by N□Modi□ied 8270, 8015B, N□EPH.□

Solid & Chemical Materials □Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/24/13 CW

Serial No:09241315 17

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318166

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR, 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 Parameters 2) Provide Category A data deliverables 3) Provide NYSDEC EDD

ANALYSIS

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Ta/Metals, Total CN, Hexchrom, TCLP RCRA 8 Metals, Cyanide	TS	SVOC, PCB, 8-Hr. Hers, TPH GRO	PART 375	VOC	TPH GRO				Sample Specific Comments	TOTAL # BOTTLES
	~~02-SB-4C (0-0.5)~~	~~9/14/13~~	~~9:14~~	~~Soil~~													
18166.1	CSO-SB-02B-(5-5.5)	9/14/13	9:40	Soil		X		X								CSO_SB-02B_5-5.5	4
2	CSO-COMP-02-0-10		10:00				X		X		X						3
3	CSO-COMP-03-0-10		11:00				X		X		X						3
4	CSO-SB-03A-(8.5-9)		10:50			X		X								CSO_SB-03A_8.5-9	4
5	CSO-COMP-04-0-10		11:55				X		X		X						3
	~~Trip Blank~~																
6	TRIP BLANK_091413		13:20	AQ							X					TB01_091413	2
7	CSO-SB-04B-(5.5-6)		11:45	Soil		X		X								CSO_SB-04B_6.5-7.5	4

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	1330 9/14/13	Abdul Matubar	9/14/13 13
Abdul Matubar	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318166

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St. 8th Floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR, 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 Parameters 2) Provide Category A data deliverables 3) Provide NYSDEC EDD

ANALYSIS: VOC; TAL Metals, Total CN, Hexavalent Chromium, TCLP RCRA 8 Metals, Cyanide; TS; SVOC, PCB, 8-Ox, TPH GRO; Part 375 Metals; VOC; TPH GRO

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hexavalent Chromium, TCLP RCRA 8 Metals, Cyanide	TS	SVOC, PCB, 8-Ox, TPH GRO	Part 375 Metals	VOC	TPH GRO	Sample Specific Comments	TOTAL # BOTTLES
	~~CS2-SB-4C (0-0.5)~~	~~9/14/13~~	~~9:14~~	~~Soil~~										
1866.1	CSO-SB-02B-(5-5.5)	9/14/13	9:40	Soil		X		X						4
2	CSO-COMP-02-0-10		10:00				X		X		X			3
3	CSO-COMP-03-0-10		11:00				X		X		X			3
4	CSO-SB-03A-(8.5-9)		10:50			X		X						4
5	CSO-COMP-04-0-10		11:55				X		X		X			3
	~~NB [illegible] Blank~~													
6	TRIP BLANK-091413		13:20	AQ						X				2
7	CSO-SB-04B-(5.5-6)		11:45	Soil		X		X						4

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	1330 9/14/13	Abdul Matubar	9/14/13 13
Abdul Matubar	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318167
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/24/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318167-01	CSO_COMP-05_0-10	BROOKLYN, NY	09/14/13 13:05
L1318167-02	CSO_SB-05A_7.5-8.0	BROOKLYN, NY	09/14/13 13:00
L1318167-03	CSO_SB-06A_3.5-4	BROOKLYN, NY	09/14/13 13:15
L1318167-04	CSO_COMP-06_0-10	BROOKLYN, NY	09/14/13 13:15
L1318167-05	TB02_091413	BROOKLYN, NY	09/14/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318167
Project Number: 170229002 **Report Date:** 09/24/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Organochlorine Pesticides

L1318167-01 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318167-01 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318167-01 and -04, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/24/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-02	Date Collected:	09/14/13 13:00
Client ID:	CSO_SB-05A_7.5-8.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 10:17		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.92	0.13	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.10	1
Bromodichloromethane	ND		ug/kg	0.92	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.16	1
Benzene	ND		ug/kg	0.92	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.92	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.92	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-02 Date Collected: 09/14/13 13:00

Client ID: CSO_SB-05A_7.5-8.0 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.14	1
Dibromomethane	ND		ug/kg	9.2	0.15	1
Styrene	ND		ug/kg	1.8	0.28	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.20	1
Acetone	6.5	J	ug/kg	9.2	2.9	1
Carbon disulfide	ND		ug/kg	9.2	1.8	1
2-Butanone	ND		ug/kg	9.2	0.33	1
Vinyl acetate	ND		ug/kg	9.2	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.21	1
2-Hexanone	ND		ug/kg	9.2	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.92	0.18	1
sec-Butylbenzene	ND		ug/kg	0.92	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.92	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.2	0.22	1
n-Propylbenzene	ND		ug/kg	0.92	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.70	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	92	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-02	Date Collected:	09/14/13 13:00
Client ID:	CSO_SB-05A_7.5-8.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.41	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-03	Date Collected:	09/14/13 13:15
Client ID:	CSO_SB-06A_3.5-4	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:01		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	640	130	1
1,1-Dichloroethane	ND		ug/kg	96	11.	1
Chloroform	ND		ug/kg	96	24.	1
Carbon tetrachloride	ND		ug/kg	64	13.	1
1,2-Dichloropropane	ND		ug/kg	220	15.	1
Dibromochloromethane	ND		ug/kg	64	20.	1
1,1,2-Trichloroethane	ND		ug/kg	96	19.	1
Tetrachloroethene	29	J	ug/kg	64	9.0	1
Chlorobenzene	ND		ug/kg	64	22.	1
Trichlorofluoromethane	ND		ug/kg	320	7.8	1
1,2-Dichloroethane	ND		ug/kg	64	9.3	1
1,1,1-Trichloroethane	ND		ug/kg	64	7.1	1
Bromodichloromethane	ND		ug/kg	64	15.	1
trans-1,3-Dichloropropene	ND		ug/kg	64	7.7	1
cis-1,3-Dichloropropene	ND		ug/kg	64	8.1	1
1,1-Dichloropropene	ND		ug/kg	320	29.	1
Bromoform	ND		ug/kg	260	26.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	64	11.	1
Benzene	ND		ug/kg	64	7.5	1
Toluene	27	J	ug/kg	96	7.2	1
Ethylbenzene	ND		ug/kg	64	9.4	1
Chloromethane	ND		ug/kg	320	50.	1
Bromomethane	ND		ug/kg	130	22.	1
Vinyl chloride	ND		ug/kg	130	9.0	1
Chloroethane	ND		ug/kg	130	20.	1
1,1-Dichloroethene	ND		ug/kg	64	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	96	14.	1
Trichloroethene	1500		ug/kg	64	9.7	1
1,2-Dichlorobenzene	ND		ug/kg	320	12.	1
1,3-Dichlorobenzene	ND		ug/kg	320	12.	1
1,4-Dichlorobenzene	ND		ug/kg	320	15.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-03 Date Collected: 09/14/13 13:15

Client ID: CSO_SB-06A_3.5-4 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	130	6.7	1
p/m-Xylene	24	J	ug/kg	130	21.	1
o-Xylene	ND		ug/kg	130	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	64	9.6	1
Dibromomethane	ND		ug/kg	640	10.	1
Styrene	ND		ug/kg	130	20.	1
Dichlorodifluoromethane	ND		ug/kg	640	14.	1
Acetone	ND		ug/kg	640	200	1
Carbon disulfide	ND		ug/kg	640	130	1
2-Butanone	ND		ug/kg	640	23.	1
Vinyl acetate	ND		ug/kg	640	31.	1
4-Methyl-2-pentanone	ND		ug/kg	640	16.	1
1,2,3-Trichloropropane	ND		ug/kg	640	14.	1
2-Hexanone	ND		ug/kg	640	12.	1
Bromochloromethane	ND		ug/kg	320	12.	1
2,2-Dichloropropane	ND		ug/kg	320	14.	1
1,2-Dibromoethane	ND		ug/kg	260	11.	1
1,3-Dichloropropane	ND		ug/kg	320	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	64	20.	1
Bromobenzene	ND		ug/kg	320	13.	1
n-Butylbenzene	ND		ug/kg	64	13.	1
sec-Butylbenzene	ND		ug/kg	64	13.	1
tert-Butylbenzene	ND		ug/kg	320	36.	1
o-Chlorotoluene	ND		ug/kg	320	10.	1
p-Chlorotoluene	ND		ug/kg	320	9.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	320	50.	1
Hexachlorobutadiene	ND		ug/kg	320	27.	1
Isopropylbenzene	ND		ug/kg	64	11.	1
p-Isopropyltoluene	ND		ug/kg	64	12.	1
Naphthalene	680		ug/kg	320	49.	1
Acrylonitrile	ND		ug/kg	640	15.	1
n-Propylbenzene	ND		ug/kg	64	8.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	320	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	320	50.	1
1,3,5-Trimethylbenzene	ND		ug/kg	320	9.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	320	37.	1
Methyl Acetate	ND		ug/kg	1300	49.	1
Cyclohexane	ND		ug/kg	1300	69.	1
1,4-Dioxane	ND		ug/kg	6400	1100	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-03	Date Collected:	09/14/13 13:15
Client ID:	CSO_SB-06A_3.5-4	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1300	17.	1
p-Diethylbenzene	ND		ug/kg	260	10.	1
p-Ethyltoluene	ND		ug/kg	260	7.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	260	8.3	1
Ethyl ether	ND		ug/kg	320	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	320	29.	1
Methyl cyclohexane	ND		ug/kg	260	81.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-05	Date Collected:	09/14/13 00:00
Client ID:	TB02_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:57		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-05 Date Collected: 09/14/13 00:00

Client ID: TB02_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-05	Date Collected:	09/14/13 00:00
Client ID:	TB02_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	118		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
Methylene chloride	86		91		70-130	6		30
1,1-Dichloroethane	91		97		70-130	6		30
Chloroform	92		97		70-130	5		30
Carbon tetrachloride	98		101		70-130	3		30
1,2-Dichloropropane	92		96		70-130	4		30
Dibromochloromethane	101		105		70-130	4		30
1,1,2-Trichloroethane	100		104		70-130	4		30
Tetrachloroethene	104		107		70-130	3		30
Chlorobenzene	101		104		70-130	3		30
Trichlorofluoromethane	105		111		70-139	6		30
1,2-Dichloroethane	92		94		70-130	2		30
1,1,1-Trichloroethane	94		98		70-130	4		30
Bromodichloromethane	92		95		70-130	3		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	94		98		70-130	4		30
Bromoform	103		105		70-130	2		30
1,1,2,2-Tetrachloroethane	99		102		70-130	3		30
Benzene	94		98		70-130	4		30
Toluene	101		104		70-130	3		30
Ethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
Chloromethane	88		101		52-130	14		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	100		107		67-130	7		30
Chloroethane	109		109		50-151	0		30
1,1-Dichloroethene	97		102		65-135	5		30
trans-1,2-Dichloroethene	94		100		70-130	6		30
Trichloroethene	94		98		70-130	4		30
1,2-Dichlorobenzene	102		106		70-130	4		30
1,3-Dichlorobenzene	103		107		70-130	4		30
1,4-Dichlorobenzene	102		106		70-130	4		30
Methyl tert butyl ether	90		94		66-130	4		30
p/m-Xylene	102		105		70-130	3		30
o-Xylene	102		105		70-130	3		30
cis-1,2-Dichloroethene	93		97		70-130	4		30
Dibromomethane	94		97		70-130	3		30
Styrene	103		107		70-130	4		30
Dichlorodifluoromethane	92		99		30-146	7		30
Acetone	90		80		54-140	12		30
Carbon disulfide	90		94		59-130	4		30
2-Butanone	112		102		70-130	9		30
Vinyl acetate	84		88		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
4-Methyl-2-pentanone	88		89		70-130	1		30
1,2,3-Trichloropropane	101		102		68-130	1		30
2-Hexanone	106		96		70-130	10		30
Bromochloromethane	96		100		70-130	4		30
2,2-Dichloropropane	96		99		70-130	3		30
1,2-Dibromoethane	101		104		70-130	3		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	102		106		70-130	4		30
Bromobenzene	100		104		70-130	4		30
n-Butylbenzene	102		105		70-130	3		30
sec-Butylbenzene	102		106		70-130	4		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	102		106		70-130	4		30
p-Chlorotoluene	100		104		70-130	4		30
1,2-Dibromo-3-chloropropane	97		100		68-130	3		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	100		103		70-130	3		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	94		100		70-130	6		30
Acrylonitrile	89		92		70-130	3		30
Isopropyl Ether	88		93		66-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	99		103		70-130	4		30
1,2,3-Trichlorobenzene	98		103		70-130	5		30
1,2,4-Trichlorobenzene	100		104		70-130	4		30
1,3,5-Trimethylbenzene	102		105		70-130	3		30
1,2,4-Trimethylbenzene	102		106		70-130	4		30
Methyl Acetate	90		92		51-146	2		30
Ethyl Acetate	89		90		70-130	1		30
Acrolein	91		93		70-130	2		30
Cyclohexane	92		95		59-142	3		30
1,4-Dioxane	84		88		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		102		50-139	5		30
1,4-Diethylbenzene	103		107		70-130	4		30
4-Ethyltoluene	101		105		70-130	4		30
1,2,4,5-Tetramethylbenzene	101		105		70-130	4		30
Tetrahydrofuran	88		87		66-130	1		30
Ethyl ether	86		91		67-130	6		30
trans-1,4-Dichloro-2-butene	98		99		70-130	1		30
Methyl cyclohexane	95		97		70-130	2		30
Ethyl-Tert-Butyl-Ether	90		95		70-130	5		30
Tertiary-Amyl Methyl Ether	94		97		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:59		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	820		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	6800		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	1000		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	3200		ug/kg	110	37.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01 Date Collected: 09/14/13 13:05

Client ID: CSO_COMP-05_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	150	46.	1
Benzo(b)fluoranthene	3900		ug/kg	110	38.	1
Benzo(k)fluoranthene	1500		ug/kg	110	36.	1
Chrysene	3100		ug/kg	110	37.	1
Acenaphthylene	640		ug/kg	150	35.	1
Anthracene	2000		ug/kg	110	31.	1
Benzo(ghi)perylene	2200		ug/kg	150	39.	1
Fluorene	890		ug/kg	190	54.	1
Phenanthrene	6100		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	610		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	2300		ug/kg	150	42.	1
Pyrene	5700		ug/kg	110	36.	1
Biphenyl	170	J	ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	780		ug/kg	190	62.	1
2-Methylnaphthalene	490		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	62	J	ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	770		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	76.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	89		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 23:27		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	1200		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	160	J	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	54	J	ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	740		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04 Date Collected: 09/14/13 13:15

Client ID: CSO_COMP-06_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	980		ug/kg	160	47.	1
Benzo(b)fluoranthene	1400		ug/kg	120	39.	1
Benzo(k)fluoranthene	470		ug/kg	120	37.	1
Chrysene	930		ug/kg	120	38.	1
Acenaphthylene	110	J	ug/kg	160	36.	1
Anthracene	220		ug/kg	120	32.	1
Benzo(ghi)perylene	830		ug/kg	160	40.	1
Fluorene	94	J	ug/kg	190	56.	1
Phenanthrene	890		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	230		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	820		ug/kg	160	43.	1
Pyrene	1200		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	110	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	82	J	ug/kg	190	42.	1
Benzaldehyde	ND		ug/kg	260	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	84		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/19/13 04:07		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	251000		ug/kg	37500	3680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 14:31		
Analyst:	GT		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	3000		ug/kg	2800	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	89		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 15:12		
Analyst:	GT		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	760	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	91		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04 D	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 16:15		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	234000		ug/kg	75500	7400	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01,04 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01,04 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318167

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,04 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:01	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	7.36	1	A
Aroclor 1221	ND		ug/kg	37.3	11.2	1	A
Aroclor 1232	ND		ug/kg	37.3	7.92	1	A
Aroclor 1242	ND		ug/kg	37.3	7.07	1	A
Aroclor 1248	ND		ug/kg	37.3	4.51	1	A
Aroclor 1254	ND		ug/kg	37.3	5.88	1	A
Aroclor 1260	ND		ug/kg	37.3	6.47	1	A
Aroclor 1262	ND		ug/kg	37.3	2.76	1	A
Aroclor 1268	ND		ug/kg	37.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:14	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	7.58	1	A
Aroclor 1221	ND		ug/kg	38.4	11.6	1	A
Aroclor 1232	ND		ug/kg	38.4	8.15	1	A
Aroclor 1242	ND		ug/kg	38.4	7.28	1	A
Aroclor 1248	ND		ug/kg	38.4	4.64	1	A
Aroclor 1254	ND		ug/kg	38.4	6.05	1	A
Aroclor 1260	ND		ug/kg	38.4	6.66	1	A
Aroclor 1262	ND		ug/kg	38.4	2.84	1	A
Aroclor 1268	ND		ug/kg	38.4	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318167

Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,04 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:23	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	23.7	1	A
2,4,5-T	ND		ug/kg	195	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01 D	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:00	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.45	10	A
Lindane	ND		ug/kg	7.35	3.28	10	A
Alpha-BHC	ND		ug/kg	7.35	2.09	10	A
Beta-BHC	ND		ug/kg	17.6	6.69	10	A
Heptachlor	ND		ug/kg	8.82	3.95	10	A
Aldrin	ND		ug/kg	17.6	6.21	10	A
Heptachlor epoxide	ND		ug/kg	33.1	9.92	10	A
Endrin	ND		ug/kg	7.35	3.01	10	A
Endrin ketone	ND		ug/kg	17.6	4.54	10	A
Dieldrin	ND		ug/kg	11.0	5.51	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.29	10	A
4,4'-DDT	ND		ug/kg	33.1	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.17	10	A
Endosulfan II	ND		ug/kg	17.6	5.89	10	A
Endosulfan sulfate	ND		ug/kg	7.35	3.36	10	A
Methoxychlor	ND		ug/kg	33.1	10.3	10	A
Toxaphene	ND		ug/kg	331	92.6	10	A
cis-Chlordane	ND		ug/kg	22.0	6.14	10	A
trans-Chlordane	ND		ug/kg	22.0	5.82	10	A
Chlordane	ND		ug/kg	143	58.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**335**	Q	30-150	A
Decachlorobiphenyl	**265**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	**195**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	23.3	1	A
2,4,5-T	ND		ug/kg	192	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04 D	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:12	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.9	3.50	10	A
Lindane	ND		ug/kg	7.44	3.33	10	A
Alpha-BHC	ND		ug/kg	7.44	2.11	10	A
Beta-BHC	ND		ug/kg	17.9	6.77	10	A
Heptachlor	ND		ug/kg	8.93	4.00	10	A
Aldrin	ND		ug/kg	17.9	6.29	10	A
Heptachlor epoxide	ND		ug/kg	33.5	10.0	10	A
Endrin	ND		ug/kg	7.44	3.05	10	A
Endrin ketone	ND		ug/kg	17.9	4.60	10	A
Dieldrin	ND		ug/kg	11.2	5.58	10	A
4,4'-DDE	ND		ug/kg	17.9	4.13	10	A
4,4'-DDD	ND		ug/kg	17.9	6.37	10	A
4,4'-DDT	22.3	J	ug/kg	33.5	14.4	10	B
Endosulfan I	ND		ug/kg	17.9	4.22	10	A
Endosulfan II	ND		ug/kg	17.9	5.97	10	A
Endosulfan sulfate	ND		ug/kg	7.44	3.40	10	A
Methoxychlor	ND		ug/kg	33.5	10.4	10	A
Toxaphene	ND		ug/kg	335	93.8	10	A
cis-Chlordane	ND		ug/kg	22.3	6.22	10	A
trans-Chlordane	ND		ug/kg	22.3	5.90	10	A
Chlordane	ND		ug/kg	145	59.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	125		30-150	A
Decachlorobiphenyl	**161**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	**381**	Q	30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,04 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.03	J	mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Barium, TCLP	0.59		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Lead, TCLP	0.62		mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:00	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318167
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01
Client ID: CSO_COMP-05_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 09/14/13 13:05
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8900		mg/kg	8.7	1.7	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.70	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Barium, Total	140		mg/kg	0.87	0.26	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Beryllium, Total	1.3		mg/kg	0.43	0.09	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Cadmium, Total	0.96		mg/kg	0.87	0.06	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Calcium, Total	28000		mg/kg	8.7	2.6	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Chromium, Total	28		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Cobalt, Total	16		mg/kg	1.7	0.43	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Copper, Total	210		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.3	1.7	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Lead, Total	610		mg/kg	4.3	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Magnesium, Total	10000		mg/kg	8.7	0.87	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Mercury, Total	0.49		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:31	EPA 7471B	1,7471B	MC
Nickel, Total	34		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Selenium, Total	0.41	J	mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Sodium, Total	690		mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Vanadium, Total	22		mg/kg	0.87	0.09	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Zinc, Total	1100		mg/kg	4.3	0.61	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Barium, TCLP	0.65		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Lead, TCLP	1.5		mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:02	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318167
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04
Client ID: CSO_COMP-06_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	8.8	1.8	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Arsenic, Total	7.8		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.88	0.26	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Beryllium, Total	1.5		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.88	0.06	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Calcium, Total	23000		mg/kg	8.8	2.6	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Chromium, Total	32		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Cobalt, Total	17		mg/kg	1.8	0.44	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Copper, Total	190		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Iron, Total	27000		mg/kg	4.4	1.8	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Lead, Total	310		mg/kg	4.4	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Magnesium, Total	8200		mg/kg	8.8	0.88	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Mercury, Total	0.50		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:37	EPA 7471B	1,7471B	MC
Nickel, Total	34		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Selenium, Total	0.40	J	mg/kg	1.8	0.26	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Sodium, Total	410		mg/kg	180	26.	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Vanadium, Total	25		mg/kg	0.88	0.09	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Zinc, Total	780		mg/kg	4.4	0.62	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG637446-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,04 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG637446-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	104	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637446-4 QC Sample: L1318167-01 Client ID: CSO_COMP-05_0-10										
Arsenic, TCLP	0.03J	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.59	20	21	102		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.1	105		-	-	75-125	-	20
Lead, TCLP	0.62	5.1	5.7	100		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637446-3 QC Sample: L1318167-01 Client ID: CSO_COMP-05_0-10					
Arsenic, TCLP	0.03J	0.05J	mg/l	NC	20
Barium, TCLP	0.59	0.57	mg/l	3	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.62	0.60	mg/l	3	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01
Client ID: CSO_COMP-05_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:05
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	28		mg/kg	0.91	0.91	1	-	09/23/13 11:29	107,-	JO
Solids, Total	87.5		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:22	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.91	0.20	1	09/16/13 17:50	09/17/13 22:39	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-02
Client ID: CSO_SB-05A_7.5-8.0
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-03
Client ID: CSO_SB-06A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04
Client ID: CSO_COMP-06_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	32		mg/kg	0.94	0.94	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/18/13 10:00	09/18/13 15:23	1,9010C/9012A	JO
pH (H)	8.1		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 17:50	09/17/13 22:39	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636888-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:06	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636890-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/17/13 23:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636888-2								
Cyanide, Reactive	43		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636890-2								
Sulfide, Reactive	89		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: DUP Sample						
pH	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: DUP Sample						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636888-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636890-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:09

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-01A	Vial Large Septa unpreserved	A	N/A	3.2	Y	Absent	TPH-GRO(14)
L1318167-01B	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-01C	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-01X	Plastic 250ml HNO3 preserved spl	A	<2	3.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318167-02A	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-02B	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-02C	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-02D	Plastic 2oz unpreserved for TS	A	N/A	3.2	Y	Absent	TS(7)
L1318167-02X	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-02Y	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-02Z	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03A	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03B	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03C	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03D	Plastic 2oz unpreserved for TS	A	N/A	3.2	Y	Absent	TS(7)
L1318167-03X	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03Y	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03Z	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-04A	Vial Large Septa unpreserved	A	N/A	3.2	Y	Absent	TPH-GRO(14)
L1318167-04B	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-04C	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-04X	Plastic 250ml HNO3 preserved spl	A	<2	3.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318167-05A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1318167-05B	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318167
Project Number: 170229002 **Report Date:** 09/24/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/24/13 CW

Serial_No:09241315:19

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318167

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St 8th Fl, New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5441

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use, SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC card

ANALYSIS

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest/Herb	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	Sample Specific Comments	Total # Bottles
1	CSO_COMP-05_0-10	9/13/13	1305	Soil			X		X X			3
2	CSO_SB-05A_(6.5-7)		1300			X		X			CSO_SB-05A-7.5-8.	4
3	CSO_SB-06A_(3.5-4)		1315			X		X			CSO_SB-06A_3.5_4	4
4	CSO-COMP-06-0-10		1315				X		X X			3
5	Trip Blank-091413									X	TB02_091413	2

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
Samantha Bell	1330, 9/14/13	Abdul Mahubey	9/14/13 13:30
Abdul Mahubey	9/14/13 17:35	[illegible]	9/14/13 17:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318167

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C.
Address: 360 W 31st St 8th Fl, New York, NY 10001
Phone: 217-479-5400
Fax: 217-479-5441
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6NYCRR 375 Unrestricted Use, SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC card

ANALYSIS: VOC; Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest, Herb; 13 SVOC, PCB, Pest, Herb, TPH DRO; TPH GRO; VOC

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest, Herb	13 SVOC, PCB, Pest, Herb	TPH DRO	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
1	CSO_COMP-05_0-10	9/13/13	1305	Soil			X	X	X				3
2	CSO_SB-05A_(6.5-7)		1300			X		X					4
3	CSO_SB-06A_(3.5-4)		1315			X		X					4
4	CSO_COMP-06_0-10		1315				X	X	X				3
5	Trip Blank_091413									X			2

	Relinquished By:	Date/Time	Received By:	Date/Time
Container Type / Preservative	Samantha Bell	1330, 9/14/13	Abdul Mahdy	9/14/13 13:30
	Abdul Mahdy	9/14/13 17:35	[illegible]	9/14/13 17:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318168
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/25/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318168-01	G2_SB-04C_0-0.5	BROOKLYN, NY	09/14/13 08:15
L1318168-02	G2_SB-05B_2.5-3	BROOKLYN, NY	09/14/13 08:43
L1318168-03	CSO_SB-01A_0-0.5	BROOKLYN, NY	09/14/13 09:00
L1318168-04	G2_COMP-04_0-5	BROOKLYN, NY	09/14/13 08:15
L1318168-05	G2_COMP-05_0-5	BROOKLYN, NY	09/14/13 08:55
L1318168-06	CSO_COMP-01_0-10	BROOKLYN, NY	09/14/13 09:15
L1318168-07	TB03_091413	BROOKLYN, NY	09/14/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318168
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1318168-04 has elevated detection limits due to the dilution required by the sample matrix.

L1318168-05 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Pesticides

L1318168-04, -05, and -06 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318168-04, -05, and -06 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318168-04, -05, and -06, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration, no qualification of the results was performed.

Chromium, Hexavalent

The WG636545-5/-8 MS/MSD recoveries (60%/64%), performed on L1318168-04, are below the acceptance criteria; however, the associated LCS recovery is within criteria. This has been attributed to matrix interference.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-01	Date Collected:	09/14/13 08:15
Client ID:	G2_SB-04C_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	None
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:29		
Analyst:	BN		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	870	170	1
1,1-Dichloroethane	ND		ug/kg	130	15.	1
Chloroform	ND		ug/kg	130	32.	1
Carbon tetrachloride	ND		ug/kg	87	18.	1
1,2-Dichloropropane	ND		ug/kg	300	20.	1
Dibromochloromethane	ND		ug/kg	87	27.	1
1,1,2-Trichloroethane	ND		ug/kg	130	26.	1
Tetrachloroethene	ND		ug/kg	87	12.	1
Chlorobenzene	ND		ug/kg	87	30.	1
Trichlorofluoromethane	ND		ug/kg	440	10.	1
1,2-Dichloroethane	43	J	ug/kg	87	13.	1
1,1,1-Trichloroethane	ND		ug/kg	87	9.6	1
Bromodichloromethane	ND		ug/kg	87	20.	1
trans-1,3-Dichloropropene	ND		ug/kg	87	10.	1
cis-1,3-Dichloropropene	ND		ug/kg	87	11.	1
1,1-Dichloropropene	ND		ug/kg	440	40.	1
Bromoform	ND		ug/kg	350	36.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	87	15.	1
Benzene	3500		ug/kg	87	10.	1
Toluene	9700		ug/kg	130	9.7	1
Ethylbenzene	3000		ug/kg	87	13.	1
Chloromethane	ND		ug/kg	440	68.	1
Bromomethane	ND		ug/kg	170	29.	1
Vinyl chloride	ND		ug/kg	170	12.	1
Chloroethane	ND		ug/kg	170	28.	1
1,1-Dichloroethene	ND		ug/kg	87	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	18.	1
Trichloroethene	ND		ug/kg	87	13.	1
1,2-Dichlorobenzene	ND		ug/kg	440	16.	1
1,3-Dichlorobenzene	ND		ug/kg	440	16.	1
1,4-Dichlorobenzene	30	J	ug/kg	440	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-01 Date Collected: 09/14/13 08:15

Client ID: G2_SB-04C_0-0.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	170	9.1	1
p/m-Xylene	9900		ug/kg	170	28.	1
o-Xylene	2200		ug/kg	170	24.	1
cis-1,2-Dichloroethene	ND		ug/kg	87	13.	1
Dibromomethane	ND		ug/kg	870	14.	1
Styrene	ND		ug/kg	170	27.	1
Dichlorodifluoromethane	ND		ug/kg	870	19.	1
Acetone	310	J	ug/kg	870	270	1
Carbon disulfide	ND		ug/kg	870	170	1
2-Butanone	ND		ug/kg	870	31.	1
Vinyl acetate	ND		ug/kg	870	42.	1
4-Methyl-2-pentanone	ND		ug/kg	870	21.	1
1,2,3-Trichloropropane	45	J	ug/kg	870	20.	1
2-Hexanone	ND		ug/kg	870	16.	1
Bromochloromethane	ND		ug/kg	440	17.	1
2,2-Dichloropropane	ND		ug/kg	440	20.	1
1,2-Dibromoethane	ND		ug/kg	350	15.	1
1,3-Dichloropropane	ND		ug/kg	440	15.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	87	28.	1
Bromobenzene	ND		ug/kg	440	18.	1
n-Butylbenzene	480		ug/kg	87	17.	1
sec-Butylbenzene	130		ug/kg	87	18.	1
tert-Butylbenzene	ND		ug/kg	440	49.	1
o-Chlorotoluene	ND		ug/kg	440	14.	1
p-Chlorotoluene	ND		ug/kg	440	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	440	69.	1
Hexachlorobutadiene	ND		ug/kg	440	37.	1
Isopropylbenzene	250		ug/kg	87	14.	1
p-Isopropyltoluene	100		ug/kg	87	17.	1
Naphthalene	2300		ug/kg	440	67.	1
Acrylonitrile	ND		ug/kg	870	21.	1
n-Propylbenzene	1200		ug/kg	87	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	440	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	440	69.	1
1,3,5-Trimethylbenzene	1200		ug/kg	440	12.	1
1,2,4-Trimethylbenzene	5300		ug/kg	440	50.	1
Methyl Acetate	ND		ug/kg	1700	66.	1
Cyclohexane	ND		ug/kg	1700	93.	1
1,4-Dioxane	ND		ug/kg	8700	1500	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-01	Date Collected:	09/14/13 08:15
Client ID:	G2_SB-04C_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1700	24.	1
p-Diethylbenzene	2300		ug/kg	350	14.	1
p-Ethyltoluene	4600		ug/kg	350	10.	1
1,2,4,5-Tetramethylbenzene	2600		ug/kg	350	11.	1
Ethyl ether	ND		ug/kg	440	23.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	440	39.	1
Methyl cyclohexane	1000		ug/kg	350	110	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-02	Date Collected:	09/14/13 08:43
Client ID:	G2_SB-05B_2.5-3	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 02:45		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.16	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Chloromethane	ND		ug/kg	4.6	0.73	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-02 Date Collected: 09/14/13 08:43

Client ID: G2_SB-05B_2.5-3 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.20	1
Acetone	ND		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	ND		ug/kg	9.3	0.33	1
Vinyl acetate	ND		ug/kg	9.3	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
2-Hexanone	ND		ug/kg	9.3	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.30	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.3	0.22	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.71	1
Cyclohexane	ND		ug/kg	18	1.0	1
1,4-Dioxane	ND		ug/kg	93	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-02	Date Collected:	09/14/13 08:43
Client ID:	G2_SB-05B_2.5-3	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.42	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-03	Date Collected:	09/14/13 09:00
Client ID:	CSO_SB-01A_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 03:13		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.46	1
Bromoform	ND		ug/kg	4.0	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-03 Date Collected: 09/14/13 09:00

Client ID: CSO_SB-01A_0-0.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	3.4	J	ug/kg	10	3.1	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.22	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.20	1
tert-Butylbenzene	ND		ug/kg	5.0	0.56	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.0	0.77	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57	1
Methyl Acetate	ND		ug/kg	20	0.76	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-03	Date Collected:	09/14/13 09:00
Client ID:	CSO_SB-01A_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45	1
Methyl cyclohexane	ND		ug/kg	4.0	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-07	Date Collected:	09/14/13 00:00
Client ID:	TB03_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 19:24		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-07 Date Collected: 09/14/13 00:00

Client ID: TB03_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-07	Date Collected:	09/14/13 00:00
Client ID:	TB03_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 23:55			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	290	75.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	68.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	97.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	93.	2
Fluoranthene	1800		ug/kg	220	67.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	84.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	330	97.	2
Naphthalene	540		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	330	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	71.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	90.	2
Diethyl phthalate	ND		ug/kg	360	77.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	830		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04 D Date Collected: 09/14/13 08:15

Client ID: G2_COMP-04_0-5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	830		ug/kg	290	89.	2
Benzo(b)fluoranthene	1100		ug/kg	220	73.	2
Benzo(k)fluoranthene	420		ug/kg	220	69.	2
Chrysene	960		ug/kg	220	71.	2
Acenaphthylene	120	J	ug/kg	290	68.	2
Anthracene	340		ug/kg	220	60.	2
Benzo(ghi)perylene	620		ug/kg	290	76.	2
Fluorene	240	J	ug/kg	360	100	2
Phenanthrene	1500		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	170	J	ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	620		ug/kg	290	81.	2
Pyrene	1700		ug/kg	220	71.	2
Biphenyl	ND		ug/kg	830	120	2
4-Chloroaniline	ND		ug/kg	360	96.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	170	J	ug/kg	360	120	2
2-Methylnaphthalene	370	J	ug/kg	440	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	69.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	330	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	510	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	500	2
4,6-Dinitro-o-cresol	ND		ug/kg	950	130	2
Pentachlorophenol	ND		ug/kg	290	78.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	120	J	ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04 D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	43		0-136
4-Terphenyl-d14	62		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 20:31
Analytical Date:	09/21/13 00:23			
Analyst:	PS			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	820		ug/kg	610	160	4
1,2,4-Trichlorobenzene	ND		ug/kg	770	250	4
Hexachlorobenzene	ND		ug/kg	460	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	690	220	4
2-Chloronaphthalene	ND		ug/kg	770	250	4
1,2-Dichlorobenzene	ND		ug/kg	770	250	4
1,3-Dichlorobenzene	ND		ug/kg	770	240	4
1,4-Dichlorobenzene	ND		ug/kg	770	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	770	200	4
2,4-Dinitrotoluene	ND		ug/kg	770	160	4
2,6-Dinitrotoluene	ND		ug/kg	770	200	4
Fluoranthene	6900		ug/kg	460	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	770	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	770	180	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	920	270	4
Bis(2-chloroethoxy)methane	ND		ug/kg	830	230	4
Hexachlorobutadiene	ND		ug/kg	770	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	490	4
Hexachloroethane	ND		ug/kg	610	140	4
Isophorone	ND		ug/kg	690	200	4
Naphthalene	460	J	ug/kg	770	260	4
Nitrobenzene	ND		ug/kg	690	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	610	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	770	230	4
Bis(2-Ethylhexyl)phthalate	210	J	ug/kg	770	200	4
Butyl benzyl phthalate	ND		ug/kg	770	150	4
Di-n-butylphthalate	ND		ug/kg	770	150	4
Di-n-octylphthalate	ND		ug/kg	770	190	4
Diethyl phthalate	ND		ug/kg	770	160	4
Dimethyl phthalate	ND		ug/kg	770	200	4
Benzo(a)anthracene	3500		ug/kg	460	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05 D Date Collected: 09/14/13 08:55

Client ID: G2_COMP-05_0-5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	3300		ug/kg	610	190	4
Benzo(b)fluoranthene	3400		ug/kg	460	160	4
Benzo(k)fluoranthene	1500		ug/kg	460	150	4
Chrysene	3600		ug/kg	460	150	4
Acenaphthylene	310	J	ug/kg	610	140	4
Anthracene	2000		ug/kg	460	130	4
Benzo(ghi)perylene	1800		ug/kg	610	160	4
Fluorene	870		ug/kg	770	220	4
Phenanthrene	7100		ug/kg	460	150	4
Dibenzo(a,h)anthracene	480		ug/kg	460	150	4
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	610	170	4
Pyrene	7400		ug/kg	460	150	4
Biphenyl	ND		ug/kg	1800	250	4
4-Chloroaniline	ND		ug/kg	770	200	4
2-Nitroaniline	ND		ug/kg	770	220	4
3-Nitroaniline	ND		ug/kg	770	210	4
4-Nitroaniline	ND		ug/kg	770	210	4
Dibenzofuran	320	J	ug/kg	770	260	4
2-Methylnaphthalene	430	J	ug/kg	920	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	770	240	4
Acetophenone	ND		ug/kg	770	240	4
2,4,6-Trichlorophenol	ND		ug/kg	460	140	4
P-Chloro-M-Cresol	ND		ug/kg	770	220	4
2-Chlorophenol	ND		ug/kg	770	230	4
2,4-Dichlorophenol	ND		ug/kg	690	250	4
2,4-Dimethylphenol	ND		ug/kg	770	230	4
2-Nitrophenol	ND		ug/kg	1600	240	4
4-Nitrophenol	ND		ug/kg	1100	250	4
2,4-Dinitrophenol	ND		ug/kg	3700	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	610	160	4
Phenol	ND		ug/kg	770	230	4
2-Methylphenol	ND		ug/kg	770	250	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	770	250	4
Benzoic Acid	ND		ug/kg	2500	780	4
Benzyl Alcohol	ND		ug/kg	770	240	4
Carbazole	340	J	ug/kg	770	160	4
Benzaldehyde	ND		ug/kg	1000	310	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05 D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	770	210	4
Atrazine	ND		ug/kg	610	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	770	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	76		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/21/13 00:51		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	350		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	7800	E	ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	140	J	ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	68	J	ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	4500		ug/kg	110	35.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06 Date Collected: 09/14/13 09:15

Client ID: CSO_COMP-01_0-10 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	4300		ug/kg	140	44.	1
Benzo(b)fluoranthene	5300		ug/kg	110	36.	1
Benzo(k)fluoranthene	1600		ug/kg	110	34.	1
Chrysene	4200		ug/kg	110	35.	1
Acenaphthylene	110	J	ug/kg	140	34.	1
Anthracene	1600		ug/kg	110	30.	1
Benzo(ghi)perylene	2500		ug/kg	140	38.	1
Fluorene	350		ug/kg	180	52.	1
Phenanthrene	4300		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	760		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	2700		ug/kg	140	40.	1
Pyrene	7400	E	ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	170	J	ug/kg	180	60.	1
2-Methylnaphthalene	93	J	ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	220		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	100		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06 D	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/25/13 00:06		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	9400		ug/kg	220	66.	2
Pyrene	9000		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 15:53		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	6100		ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 16:46			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	537000		ug/kg	175000	17100	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 16:34		
Analyst:	GT		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	5400		ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	85		70-130
4-Bromofluorobenzene	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 17:17			
Analyst:	AR			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1060000		ug/kg	186000	18200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 22:57		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	182000		ug/kg	35100	3430	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 17:15		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	82	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		70-130
4-Bromofluorobenzene	87		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 05-06 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04-06 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 05-06 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 05-06 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:28	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	7.24	1	A
Aroclor 1221	ND		ug/kg	36.7	11.1	1	A
Aroclor 1232	ND		ug/kg	36.7	7.79	1	A
Aroclor 1242	ND		ug/kg	36.7	6.96	1	A
Aroclor 1248	ND		ug/kg	36.7	4.44	1	A
Aroclor 1254	31.8	J	ug/kg	36.7	5.78	1	B
Aroclor 1260	49.2		ug/kg	36.7	6.36	1	B
Aroclor 1262	ND		ug/kg	36.7	2.71	1	A
Aroclor 1268	ND		ug/kg	36.7	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:41	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	7.43	1	A
Aroclor 1221	ND		ug/kg	37.6	11.4	1	A
Aroclor 1232	ND		ug/kg	37.6	8.00	1	A
Aroclor 1242	ND		ug/kg	37.6	7.14	1	A
Aroclor 1248	ND		ug/kg	37.6	4.55	1	A
Aroclor 1254	ND		ug/kg	37.6	5.93	1	A
Aroclor 1260	26.5	J	ug/kg	37.6	6.53	1	B
Aroclor 1262	ND		ug/kg	37.6	2.78	1	A
Aroclor 1268	ND		ug/kg	37.6	5.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:54	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	7.10	1	A
Aroclor 1221	ND		ug/kg	35.9	10.8	1	A
Aroclor 1232	ND		ug/kg	35.9	7.64	1	A
Aroclor 1242	ND		ug/kg	35.9	6.82	1	A
Aroclor 1248	ND		ug/kg	35.9	4.35	1	A
Aroclor 1254	ND		ug/kg	35.9	5.67	1	A
Aroclor 1260	ND		ug/kg	35.9	6.24	1	A
Aroclor 1262	ND		ug/kg	35.9	2.66	1	A
Aroclor 1268	ND		ug/kg	35.9	5.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318168

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-06 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:02	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.3	1	A
2,4,5-T	ND		ug/kg	184	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	129		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:25		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/19/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.3	3.39	10	A
Lindane	ND		ug/kg	7.21	3.22	10	A
Alpha-BHC	ND		ug/kg	7.21	2.05	10	A
Beta-BHC	ND		ug/kg	17.3	6.56	10	A
Heptachlor	ND		ug/kg	8.65	3.88	10	A
Aldrin	ND		ug/kg	17.3	6.09	10	A
Heptachlor epoxide	ND		ug/kg	32.4	9.73	10	A
Endrin	ND		ug/kg	7.21	2.95	10	A
Endrin ketone	ND		ug/kg	17.3	4.45	10	A
Dieldrin	ND		ug/kg	10.8	5.40	10	A
4,4'-DDE	ND		ug/kg	17.3	4.00	10	A
4,4'-DDD	33.1		ug/kg	17.3	6.17	10	B
4,4'-DDT	20.7	J	ug/kg	32.4	13.9	10	A
Endosulfan I	ND		ug/kg	17.3	4.09	10	A
Endosulfan II	ND		ug/kg	17.3	5.78	10	A
Endosulfan sulfate	ND		ug/kg	7.21	3.29	10	A
Methoxychlor	ND		ug/kg	32.4	10.1	10	A
Toxaphene	ND		ug/kg	324	90.8	10	A
cis-Chlordane	ND		ug/kg	21.6	6.02	10	A
trans-Chlordane	ND		ug/kg	21.6	5.71	10	A
Chlordane	ND		ug/kg	140	57.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**233**	Q	30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:22	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	23.0	1	A
2,4,5-T	ND		ug/kg	189	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	**18**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:38		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/19/13
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.9	3.50	10	A
Lindane	ND		ug/kg	7.45	3.33	10	A
Alpha-BHC	ND		ug/kg	7.45	2.12	10	A
Beta-BHC	ND		ug/kg	17.9	6.78	10	A
Heptachlor	ND		ug/kg	8.94	4.01	10	A
Aldrin	ND		ug/kg	17.9	6.30	10	A
Heptachlor epoxide	ND		ug/kg	33.5	10.0	10	A
Endrin	ND		ug/kg	7.45	3.05	10	A
Endrin ketone	ND		ug/kg	17.9	4.60	10	A
Dieldrin	ND		ug/kg	11.2	5.59	10	A
4,4'-DDE	ND		ug/kg	17.9	4.14	10	A
4,4'-DDD	ND		ug/kg	17.9	6.38	10	A
4,4'-DDT	34.8		ug/kg	33.5	14.4	10	A
Endosulfan I	ND		ug/kg	17.9	4.22	10	A
Endosulfan II	ND		ug/kg	17.9	5.98	10	A
Endosulfan sulfate	ND		ug/kg	7.45	3.40	10	A
Methoxychlor	ND		ug/kg	33.5	10.4	10	A
Toxaphene	ND		ug/kg	335	93.9	10	A
cis-Chlordane	ND		ug/kg	22.4	6.23	10	A
trans-Chlordane	ND		ug/kg	22.4	5.90	10	A
Chlordane	ND		ug/kg	145	59.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	184	22.4	1	A
2,4,5-T	ND		ug/kg	184	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06 D	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	3.34	10	A
Lindane	ND		ug/kg	7.12	3.18	10	A
Alpha-BHC	ND		ug/kg	7.12	2.02	10	A
Beta-BHC	ND		ug/kg	17.1	6.48	10	A
Heptachlor	ND		ug/kg	8.54	3.83	10	A
Aldrin	ND		ug/kg	17.1	6.01	10	A
Heptachlor epoxide	ND		ug/kg	32.0	9.61	10	A
Endrin	ND		ug/kg	7.12	2.92	10	A
Endrin ketone	ND		ug/kg	17.1	4.40	10	A
Dieldrin	ND		ug/kg	10.7	5.34	10	A
4,4'-DDE	ND		ug/kg	17.1	3.95	10	A
4,4'-DDD	ND		ug/kg	17.1	6.09	10	A
4,4'-DDT	24.9	J	ug/kg	32.0	13.7	10	A
Endosulfan I	ND		ug/kg	17.1	4.03	10	A
Endosulfan II	ND		ug/kg	17.1	5.71	10	A
Endosulfan sulfate	ND		ug/kg	7.12	3.25	10	A
Methoxychlor	ND		ug/kg	32.0	9.96	10	A
Toxaphene	ND		ug/kg	320	89.6	10	A
cis-Chlordane	ND		ug/kg	21.3	5.95	10	A
trans-Chlordane	ND		ug/kg	21.3	5.64	10	A
Chlordane	ND		ug/kg	139	56.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	142		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	**167**	Q	30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-06 Batch: WG636326-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-06 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318168

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Barium, TCLP	0.41	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Lead, TCLP	0.27	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:04	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04
Client ID: G2_COMP-04_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7200		mg/kg	8.7	1.7	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Barium, Total	280		mg/kg	0.87	0.26	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Beryllium, Total	1.5		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.87	0.06	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Calcium, Total	46000		mg/kg	8.7	2.6	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Chromium, Total	33		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Cobalt, Total	14		mg/kg	1.7	0.44	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Copper, Total	270		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Iron, Total	21000		mg/kg	4.4	1.7	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Lead, Total	440		mg/kg	4.4	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Magnesium, Total	12000		mg/kg	8.7	0.87	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Mercury, Total	0.59		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:39	EPA 7471B	1,7471B	MC
Nickel, Total	32		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Potassium, Total	850		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Selenium, Total	1.3	J	mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Sodium, Total	330		mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.87	0.09	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Zinc, Total	1400		mg/kg	4.4	0.61	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Barium, TCLP	0.44	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:06	EPA 7470A	1,7470A	JH
Selenium, TCLP	0.03	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05
Client ID: G2_COMP-05_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/14/13 08:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6800		mg/kg	9.0	1.8	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.72	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Arsenic, Total	9.4		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Barium, Total	190		mg/kg	0.90	0.27	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Beryllium, Total	0.98		mg/kg	0.45	0.09	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.90	0.06	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Calcium, Total	23000		mg/kg	9.0	2.7	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Chromium, Total	22		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Cobalt, Total	14		mg/kg	1.8	0.45	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Copper, Total	320		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	4.5	1.8	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Lead, Total	220		mg/kg	4.5	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Magnesium, Total	5200		mg/kg	9.0	0.90	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Manganese, Total	350		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Mercury, Total	0.31		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:41	EPA 7471B	1,7471B	MC
Nickel, Total	28		mg/kg	2.2	0.36	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	220	36.	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Selenium, Total	0.44	J	mg/kg	1.8	0.27	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Sodium, Total	330		mg/kg	180	27.	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Vanadium, Total	26		mg/kg	0.90	0.09	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Zinc, Total	920		mg/kg	4.5	0.63	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Barium, TCLP	0.50		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Lead, TCLP	0.13	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:07	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7100		mg/kg	8.6	1.7	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.69	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Arsenic, Total	4.8		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Barium, Total	110		mg/kg	0.86	0.26	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Beryllium, Total	0.34	J	mg/kg	0.43	0.09	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Cadmium, Total	0.60	J	mg/kg	0.86	0.06	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Calcium, Total	4700		mg/kg	8.6	2.6	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Cobalt, Total	6.8		mg/kg	1.7	0.43	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Copper, Total	42		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.3	1.7	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Lead, Total	160		mg/kg	4.3	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Magnesium, Total	2800		mg/kg	8.6	0.86	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Mercury, Total	0.36		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:42	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.34	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	210	34.	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Sodium, Total	78	J	mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.86	0.09	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Zinc, Total	360		mg/kg	4.3	0.60	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-06 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-06 Batch: WG637446-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-06 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-06 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 Batch: WG637446-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	104	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637446-4 QC Sample: L1318167-01 Client ID: MS Sample										
Arsenic, TCLP	0.03J	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.59	20	21	102		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.1	105		-	-	75-125	-	20
Lead, TCLP	0.62	5.1	5.7	100		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637446-3 QC Sample: L1318167-01 Client ID: DUP Sample					
Arsenic, TCLP	0.03J	0.05J	mg/l	NC	20
Barium, TCLP	0.59	0.57	mg/l	3	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.62	0.60	mg/l	3	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-01
Client ID: G2_SB-04C_0-0.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-02
Client ID: G2_SB-05B_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:43
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-03
Client ID: CSO_SB-01A_0-0.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04
Client ID: G2_COMP-04_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	33		mg/kg	0.89	0.89	1	-	09/23/13 11:29	107,-	JO
Solids, Total	89.7		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/18/13 10:00	09/18/13 15:24	1,9010C/9012A	JO
pH (H)	9.1		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 17:50	09/17/13 22:40	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05
Client ID: G2_COMP-05_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:55
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.93	0.93	1	-	09/23/13 11:29	107,-	JO
Solids, Total	86.2		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:26	1,9010C/9012A	JO
pH (H)	8.3		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.93	0.21	1	09/16/13 17:50	09/17/13 22:43	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.89	0.89	1	-	09/23/13 11:29	107,-	JO
Solids, Total	89.8		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:27	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	0.23	J	mg/kg	0.89	0.20	1	09/16/13 17:50	09/17/13 22:44	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: DUP Sample						
pH	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG636931-1 QC Sample: L1318141-01 Client ID: DUP Sample						
Solids, Total	89.9	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:31

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-01A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-01X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-01Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-01Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-02X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-03X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-04A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-04B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-04C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318168-05A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-05B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-05C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-05X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318168-06A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-06B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06D	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-07A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1318168-07B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

Container Comments

L1318168-05C

L1318168-06B

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318168
Project Number: 170229002 **Report Date:** 09/25/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

revised 9/24/13 CW

Serial No:09251312:00

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L4318168

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, P.P.C

Address: 360 W 31st St, 8th Fl. New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 20139603

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hex Chromium, TCLP RCRA 8 Metals	TS	SVOC, PCB, Pest Herb, 1,4-Dioxane	TPH	VOC							Sample Specific Comments	Total # Bottles
1	G2_SB-04C_0-0.5	9/14/13	8:15	SO	NB	X		X	X										4
2	G2_SB-05B_2.5-3	9/14/13	8:43	SO	NB	X		X	X										4
3	CSO_SB-01A_0-0.5	9/14/13	9:00	SO	NB	X		X	X										4
4	G2_COMP-04_0-5	9/14/13	8:15	SO	NB		X			X	X								3
5	G2_COMP-05_0-5	9/14/13	8:55	SO	NB		X			X	X								3
6	CSO_COMP-01_0-10	9/14/13	9:15	SO	NB		X			X	X								3
7	TRIP BLANK_091413	9/14/13	13:30	AQ	NB							X						TB03_091413	2
	Container Type					E	A		P	A	A	A							
	Preservative					A	A		A	A	A	B							

Relinquished By:	Date/Time	Received By:	Date/Time
Gregory Klyke	9/14/13 13:31	Abdul Mahubey	9/14/13 13:3
Abdul Mahubey	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Serial No:09251312:00

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L43181168

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan, D.P.C
Address: 360 W 31st St, 8th Fl.
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139163

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hex Chromium, TCLP RCRA 8 Metals	PCB Aroclors	TS	SVOC PCB Pest Herb	TPH	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
181168.1	G2_SB-04C_0-0.5	9/14/13	8:15	SO	NB	X		X	X						4
2	G2_SB-05B_2.5-3	9/14/13	8:43	SO	NB	X		X	X						4
3	CSO_SB-01A_0-0.5	9/14/13	9:00	SO	NB	X		X	X						4
4	G2_COMP-04_0-5	9/14/13	8:15	SO	NB		X			X	X				3
5	G2_COMP-05_0-5	9/14/13	8:55	SO	NB		X			X	X				3
6	CSO_COMP-01_0-10	9/14/13	9:15	SO	NB		X			X	X				3
7	TRIP BLANK_091413	9/14/13	13:30	AQ	NB							X			2
Container Type						E	A		P	A	A	A			
Preservative						A	A		A	A	A	B			

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
Gregory Klyke	9/14/13 13:31	Abdul Mahubey	9/14/13 13:3
Abdul Mahubey	9/14/13 1735	[illegible]	9/14/13 1735

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ATTACHMENT D

LABORATORY ANALYTICAL DATA REPORTS (GROUNDWATER)

ANALYTICAL REPORT

Lab Number:	L1318577
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/30/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318577-01	MW3_091913	BROOKLYN, NY	09/19/13 11:00
L1318577-02	GB12OW_091913	BROOKLYN, NY	09/19/13 13:15

Project Name: GREENPOINT LANDING **Lab Number:** L1318577
Project Number: 170229002 **Report Date:** 09/30/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

The surrogate recovery for the WG638429-1 Method Blank is below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (27%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/30/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/21/13 00:40		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene	ND		ug/l	2.0	0.66	1
o-Xylene	ND		ug/l	1.0	0.30	1
Xylene (Total)	ND		ug/l	2.0	0.66	1
Methyl tert butyl ether	7.1	J	ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		80-120
Fluorobenzene	104		80-120
4-Bromofluorobenzene	95		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/21/13 01:15		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene	ND		ug/l	2.0	0.66	1
o-Xylene	ND		ug/l	1.0	0.30	1
Xylene (Total)	ND		ug/l	2.0	0.66	1
Methyl tert butyl ether	1.2	J	ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	94		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	3.2	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	2.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-Xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	2.0	0.66
Styrene[1]	ND		ug/l	1.0	0.30
Acetone[1]	ND		ug/l	10	1.8
Carbon disulfide[1]	ND		ug/l	5.0	0.90
2-Butanone[1]	ND		ug/l	10	2.2
Vinyl acetate[1]	ND		ug/l	10	2.9
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4
2-Hexanone[1]	ND		ug/l	10	2.5
Acrolein[1]	ND		ug/l	8.0	1.9
Acrylonitrile[1]	ND		ug/l	10	1.9
Methyl tert butyl ether[1]	ND		ug/l	10	0.58
Dibromomethane[1]	ND		ug/l	1.0	1.0
1,4-Dioxane[1]	ND		ug/l	2000	490
tert-Butyl Alcohol[1]	ND		ug/l	100	6.0
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	92		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Methylene chloride	110		-		70-111	-		30
1,1-Dichloroethane	107		-		78-116	-		30
Chloroform	107		-		86-111	-		30
Carbon tetrachloride	103		-		60-112	-		30
1,2-Dichloropropane	108		-		83-113	-		30
Dibromochloromethane	106		-		58-129	-		30
1,1,2-Trichloroethane	112		-		80-118	-		30
2-Chloroethylvinyl ether	**128**	Q	-		69-124	-		30
Tetrachloroethene	103		-		80-126	-		30
Chlorobenzene	94		-		80-126	-		30
Trichlorofluoromethane	101		-		83-128	-		30
1,2-Dichloroethane	**112**	Q	-		82-110	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Bromodichloromethane	104		-		71-120	-		30
trans-1,3-Dichloropropene	**107**	Q	-		73-106	-		30
cis-1,3-Dichloropropene	104		-		78-111	-		30
Bromoform	98		-		45-131	-		30
1,1,2,2-Tetrachloroethane	110		-		81-122	-		30
Benzene	108		-		84-116	-		30
Toluene	106		-		83-121	-		30
Ethylbenzene	96		-		84-123	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Chloromethane	101		-		70-144	-		30
Bromomethane	86		-		63-141	-		30
Vinyl chloride	95		-		56-118	-		30
Chloroethane	98		-		74-130	-		30
1,1-Dichloroethene	101		-		77-116	-		30
trans-1,2-Dichloroethene	105		-		81-121	-		30
cis-1,2-Dichloroethene[1]	107		-		85-110	-		30
Trichloroethene	106		-		84-118	-		30
1,2-Dichlorobenzene	100		-		78-128	-		30
1,3-Dichlorobenzene	97		-		77-125	-		30
1,4-Dichlorobenzene	99		-		77-125	-		30
p/m-Xylene[1]	99		-		81-121	-		30
o-Xylene[1]	98		-		81-124	-		30
Xylene (Total)[1]	98		-		81-122	-		30
Styrene[1]	100		-		84-133	-		30
Acetone[1]	138		-		40-160	-		30
Carbon disulfide[1]	99		-		54-134	-		30
2-Butanone[1]	**141**	Q	-		57-116	-		30
Vinyl acetate[1]	125		-		40-160	-		30
4-Methyl-2-pentanone[1]	**139**	Q	-		79-125	-		30
2-Hexanone[1]	**143**	Q	-		78-120	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Acrolein[1]	124		-		40-160	-		30
Acrylonitrile[1]	**130**	Q	-		66-123	-		30
Methyl tert butyl ether[1]	117		-		57-126	-		30
Dibromomethane[1]	107		-		65-126	-		30
1,4-Dioxane[1]	**153**	Q	-		74-121	-		30
tert-Butyl Alcohol[1]	**181**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	**122**	Q	-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	107				80-120
Fluorobenzene	104				80-120
4-Bromofluorobenzene	91				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Methylene chloride	ND	200	230	**117**	Q	-	-		70-111	-		30
1,1-Dichloroethane	ND	200	230	116		-	-		78-116	-		30
Chloroform	ND	200	230	**117**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	240	**121**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	230	**114**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	220	109		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	230	115		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	260	**130**	Q	-	-		69-124	-		30
Tetrachloroethene	ND	200	230	114		-	-		80-126	-		30
Chlorobenzene	ND	200	210	106		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	230	115		-	-		83-128	-		30
1,2-Dichloroethane	ND	200	230	**116**	Q	-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	240	**118**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	220	112		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	180	92		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	160	82		-	-		78-111	-		30
Bromoform	ND	200	200	100		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	220	109		-	-		81-122	-		30
Benzene	ND	200	230	**117**	Q	-	-		84-116	-		30
Toluene	ND	200	230	116		-	-		83-121	-		30
Ethylbenzene	ND	200	220	112		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Chloromethane	ND	200	190	94		-	-		70-144	-		30
Bromomethane	ND	200	94	**47**	Q	-	-		63-141	-		30
Vinyl chloride	ND	200	220	111		-	-		56-118	-		30
Chloroethane	ND	200	230	114		-	-		74-130	-		30
1,1-Dichloroethene	ND	200	230	**117**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	230	116		-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	220	**111**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	230	117		-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	210	105		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	210	104		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	210	106		-	-		77-125	-		30
p/m-Xylene[1]	ND	400	430	108		-	-		81-121	-		30
o-Xylene[1]	ND	200	210	106		-	-		81-124	-		30
Xylene (Total)[1]	ND	600	640	107		-	-		81-122	-		30
Styrene[1]	ND	200	210	107		-	-		84-133	-		30
Acetone[1]	ND	500	600	120		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	200	103		-	-		54-134	-		30
2-Butanone[1]	ND	500	600	**120**	Q	-	-		57-116	-		30
Vinyl acetate[1]	ND	400	400	101		-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	610	122		-	-		79-125	-		30
2-Hexanone[1]	ND	500	590	118		-	-		78-120	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Acrolein[1]	ND	400	410	103		-	-		40-160	-		30
Acrylonitrile[1]	ND	400	470	117		-	-		66-123	-		30
Dibromomethane[1]	ND	200	210	106		-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	96				80-120
Fluorobenzene	106				80-120
Pentafluorobenzene	106				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	ND	ND	ug/l	NC	30
o-Xylene[1]	ND	ND	ug/l	NC	30
Xylene (Total)[1]	ND	ND	ug/l	NC	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	ND	ND	ug/l	NC	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		105		80-120
Fluorobenzene	106		105		80-120
4-Bromofluorobenzene	95		97		80-120

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 625
Analytical Method:	5,625	Extraction Date:	09/24/13 07:18
Analytical Date:	09/28/13 05:14		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	5.0	1.6	1
Phenol	ND		ug/l	7.0	0.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		43-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	78		33-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 625
Analytical Method:	5,625	Extraction Date:	09/24/13 07:18
Analytical Date:	09/29/13 13:43		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	5.0	1.6	1
Phenol	ND		ug/l	7.0	0.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	74		43-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	90		33-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,625
Analytical Date: 09/28/13 03:02
Analyst: PS

Extraction Method: EPA 625
Extraction Date: 09/24/13 07:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638427-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	5.0	1.6
Phenol	ND		ug/l	7.0	0.90

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		43-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	84		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638427-2								
1,2,4-Trichlorobenzene	51		-		39-98	-		30
Phenol	23		-		12-110	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35				21-120
Phenol-d6	23				10-120
Nitrobenzene-d5	72				23-120
2-Fluorobiphenyl	78				43-120
2,4,6-Tribromophenol	81				10-120
4-Terphenyl-d14	93				33-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638427-3 QC Sample: L1318577-01 Client ID: MW3_091913												
1,2,4-Trichlorobenzene	ND	40	22	55		-	-		39-98	-		30
Phenol	ND	40	8.7	22		-	-		12-110	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	79				10-120
2-Fluorobiphenyl	80				43-120
2-Fluorophenol	33				21-120
4-Terphenyl-d14	89				33-120
Nitrobenzene-d5	69				23-120
Phenol-d6	21				10-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638427-4 QC Sample: L1318577-02 Client ID: GB12OW_091913						
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC		30
Naphthalene	ND	ND	ug/l	NC		30
Phenol	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		31		21-120
Phenol-d6	21		18		10-120
Nitrobenzene-d5	79		68		23-120
2-Fluorobiphenyl	74		63		43-120
2,4,6-Tribromophenol	84		74		10-120
4-Terphenyl-d14	90		85		33-120

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	09/24/13 07:14
Analytical Date:	09/25/13 07:43	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/24/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	09/24/13 07:14
Analytical Date:	09/25/13 07:56	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/24/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318577

Report Date: 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 09/25/13 08:36
Analyst: KB

Extraction Method: EPA 608
Extraction Date: 09/24/13 07:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG638429-1						
Aroclor 1016	ND		ug/l	0.050	0.021	A
Aroclor 1221	ND		ug/l	0.050	0.028	A
Aroclor 1232	ND		ug/l	0.050	0.012	A
Aroclor 1242	ND		ug/l	0.050	0.014	A
Aroclor 1248	ND		ug/l	0.050	0.014	A
Aroclor 1254	ND		ug/l	0.050	0.022	A
Aroclor 1260	ND		ug/l	0.050	0.023	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**27**	Q	30-150	A
Decachlorobiphenyl	73		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638429-3 QC Sample: L1318577-01 Client ID: MW3_091913													
Aroclor 1016	ND	0.5	0.369	74		-	-		40-126	-		30	A
Aroclor 1260	ND	0.5	0.266	53		-	-		40-127	-		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47				30-150	A
Decachlorobiphenyl	76				30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG638429-2									
Aroclor 1016	53		-		40-126	-		30	A
Aroclor 1260	69		-		40-127	-		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**26**	Q			30-150	A
Decachlorobiphenyl	80				30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638429-4 QC Sample: L1318577-02 Client ID: GB12OW_091913							
Aroclor 1016	ND	ND	ug/l	NC		30	A
Aroclor 1221	ND	ND	ug/l	NC		30	A
Aroclor 1232	ND	ND	ug/l	NC		30	A
Aroclor 1242	ND	ND	ug/l	NC		30	A
Aroclor 1248	ND	ND	ug/l	NC		30	A
Aroclor 1254	ND	ND	ug/l	NC		30	A
Aroclor 1260	ND	ND	ug/l	NC		30	A

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		39		30-150	A
Decachlorobiphenyl	78		80		30-150	A

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Copper, Total	0.007	J	mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Lead, Total	0.014		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:10	EPA 245.1	3,245.1	DR
Nickel, Total	0.005	J	mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Zinc, Total	0.016	J	mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Copper, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Lead, Total	0.015		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:12	EPA 245.1	3,245.1	DR
Nickel, Total	ND		mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Zinc, Total	0.010	J	mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638224-1										
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Copper, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Lead, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Nickel, Total	ND		mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Zinc, Total	ND		mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638818-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 12:49	3,245.1	DR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638224-2								
Cadmium, Total	105		-		85-115	-		
Copper, Total	102		-		85-115	-		
Lead, Total	106		-		85-115	-		
Nickel, Total	101		-		85-115	-		
Zinc, Total	100		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638818-2								
Mercury, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638224-4 QC Sample: L1318577-01 Client ID: MW3_091913												
Cadmium, Total	ND	0.051	0.052	101		-	-		75-125	-		20
Copper, Total	0.007J	0.25	0.276	110		-	-		75-125	-		20
Lead, Total	0.014	0.51	0.550	105		-	-		75-125	-		20
Nickel, Total	0.005J	0.5	0.495	99		-	-		75-125	-		20
Zinc, Total	0.016J	0.5	0.492	98		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-4 QC Sample: L1317820-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0053	106		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638224-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Cadmium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.007J	0.007J	mg/l	NC		20
Lead, Total	0.014	0.013	mg/l	8		20
Nickel, Total	0.005J	0.006J	mg/l	NC		20
Zinc, Total	0.016J	0.017J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-3 QC Sample: L1317820-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID: L1318577-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:00
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	1500		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
Solids, Total Suspended	54.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Chloride	81.		mg/l	1.0	0.21	1	-	09/20/13 15:24	30,4500CL-E	LA
pH (H)	7.0		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.036	J	mg/l	0.10	0.015	1	-	09/25/13 02:53	44,353.2	DB
Total Nitrogen	13.		mg/l	0.30	0.30	1	-	09/26/13 11:33	41,-	JO
Nitrogen, Total Kjeldahl	12.8		mg/l	0.300	0.102	1	09/23/13 12:42	09/23/13 23:24	30,4500N-C	AT
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
Flash Point	>150		deg F	70	NA	1	-	09/25/13 11:40	1,1010	DM
Chromium, Hexavalent	0.001	J	mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:31	30,3500CR-D	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID: L1318577-02
Client ID: GB12OW_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 13:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	2700		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
Solids, Total Suspended	75.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Chloride	920		mg/l	10	2.1	10	-	09/20/13 17:12	30,4500CL-E	LA
pH (H)	6.6		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.13		mg/l	0.10	0.015	1	-	09/25/13 02:53	44,353.2	DB
Total Nitrogen	5.6		mg/l	0.30	0.30	1	-	09/26/13 11:33	41,-	JO
Nitrogen, Total Kjeldahl	5.49		mg/l	0.300	0.102	1	09/23/13 12:42	09/23/13 23:25	30,4500N-C	AT
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
Flash Point	>150		deg F	70	NA	1	-	09/25/13 11:40	1,1010	DM
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:31	30,3500CR-D	JT

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637643-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:27	30,3500CR-D	JT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637666-1										
Solids, Total	ND		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637791-1										
Chloride	ND		mg/l	1.0	0.21	1	-	09/20/13 15:16	30,4500CL-E	LA
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637840-1										
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638152-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638227-1										
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.034	1	09/23/13 12:42	09/23/13 23:08	30,4500N-C	AT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638545-1										
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638768-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.015	1	-	09/25/13 01:48	44,353.2	DB

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637643-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637649-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637666-2								
Solids, Total	100		-		81-113	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637791-2								
Chloride	97		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637840-2								
CBOD, 5 day	94		-		47-104	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638227-2								
Nitrogen, Total Kjeldahl	94		-		78-122	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638545-2								
Non-Polar Material by EPA 1664	80		-		64-132	-		34

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638768-2					
Nitrogen, Nitrate/Nitrite	96	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG639005-1					
Flash Point	102	-		-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637643-4 QC Sample: L1318577-01 Client ID: MW3_091913												
Chromium, Hexavalent	0.001J	0.1	0.100	100		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637791-4 QC Sample: L1318543-01 Client ID: MS Sample												
Chloride	86.	20	100	70		-	-		58-140	-		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637840-4 QC Sample: L1318577-02 Client ID: GB12OW_091913												
CBOD, 5 day	ND	100	100	106		-	-		36-125	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638227-4 QC Sample: L1318561-04 Client ID: MS Sample												
Nitrogen, Total Kjeldahl	0.311	8	7.58	91		-	-		77-111	-		24
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638545-4 QC Sample: L1318577-02 Client ID: GB12OW_091913												
Non-Polar Material by EPA 1664	ND	20.4	18.0	88		-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638768-4 QC Sample: L1318823-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	0.051J	4	3.9	98		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637643-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Chromium, Hexavalent	0.001J	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637649-2 QC Sample: L1318551-01 Client ID: DUP Sample						
pH	9.4	9.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637666-3 QC Sample: L1318509-01 Client ID: DUP Sample						
Solids, Total	3700	2700	mg/l	**31**	Q	16
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637791-3 QC Sample: L1318543-01 Client ID: DUP Sample						
Chloride	86.	85.	mg/l	1		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637840-3 QC Sample: L1318577-01 Client ID: MW3_091913						
CBOD, 5 day	ND	20.	mg/l	NC		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638152-2 QC Sample: L1318617-01 Client ID: DUP Sample						
Solids, Total Suspended	1700	1500	mg/l	13		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638227-3 QC Sample: L1318561-04 Client ID: DUP Sample						
Nitrogen, Total Kjeldahl	0.311	0.300	mg/l	4		24
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638545-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Non-Polar Material by EPA 1664	ND	ND	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638768-3 QC Sample: L1318823-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	0.051J	0.051J	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318577-01A	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01B	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01C	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01D	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	625-NYDEP(7)
L1318577-01E	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	625-NYDEP(7)
L1318577-01F	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01G	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01H	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01I	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01J	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-01K	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-01L	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSS-2540(7)
L1318577-01M	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSC-2540(7),CL-4500(28)
L1318577-01N	Plastic 1000ml unpreserved	A	7	2	Y	Absent	HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1318577-01O	Amber 1000ml unpreserved	A	7	2	Y	Absent	FLASH()
L1318577-01P	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L1318577-01Q	Plastic 500ml HNO3 preserved	A	<2	2	Y	Absent	NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)
L1318577-02A	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02B	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02C	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02D	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	625-NYDEP(7)
L1318577-02E	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	625-NYDEP(7)
L1318577-02F	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02G	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318577-02H	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02I	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02J	Amber 1000ml HCl preserved	B	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-02K	Amber 1000ml HCl preserved	B	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-02L	Plastic 1000ml unpreserved	B	7	2	Y	Absent	TSS-2540(7)
L1318577-02M	Plastic 1000ml unpreserved	B	7	2	Y	Absent	TSC-2540(7),CL-4500(28)
L1318577-02N	Plastic 1000ml unpreserved	B	7	2	Y	Absent	HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1318577-02O	Amber 1000ml unpreserved	B	7	2	Y	Absent	FLASH()
L1318577-02P	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L1318577-02Q	Plastic 500ml HNO3 preserved	B	<2	2	Y	Absent	NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)

Container Comments

L1318577-01Q

L1318577-02Q

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318577
Project Number: 170229002 **Report Date:** 09/30/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

41 Alpha Analytical Labs Internally-developed Performance-based Method.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/19/13

ALPHA Job #: L1318577

Client Information

Client: LANGAN D.P.C
Address: 360 W31St 8th Fl New York, NY 10001
Phone: 212 479 5476
Fax:
Email: GWYKA@LANGAN

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYBORODETSKY
ALPHA Quote #: 2013963

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 9/26/13 Time:

Report Information Data Deliverables

☐ FAX ☑ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
NYC Sanitary and Combined Sewer Discharge	NYC-SEWER

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes	☒ No	Are MCP Analytical Methods Required?
☐ Yes	☒ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please see attached list.
PCB reporting limit must be 65ppt. See attached list.

PROVIDE NYSDEC EDD

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 624 (See Attached List)	Total Metals (See Attached List)	Chloride, CBOD, Total Solids	Total Suspended Solids	pH, HexChrom	Non Polar Material - 1664	TKN, NO3/NO2	ABN 625 (See Attached List)	PCB 608 - Must acheve 65ppt RL	Flash Point			Sample Specific Comments	TOTAL # BOTTLES
18577-01	MW3-091913	9/19/13	1100	Water	SH	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐		16
02	GB120W-091913	9/19/13	1315	WATER	SH	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐		16
				GW 9/19/13		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	P	P	P	P	A	P	A	A	A	-	-
Preservative	H	C	A	A	A	B	D	H	H	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/19/13 1625	[illegible]	9/19/13 16[illegible]
[illegible]	9/19/13 1820	Tom Fisher	9/19/13 1821
Tom Fisher	9/19/13 2350	William McCreedy	9/19/13 2350

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev. 30-JUL-07)

TABLE A

LIMITATIONS FOR EFFLUENT TO ***SANITARY OR COMBINED*** SEWERS

Parameter[1]	Daily Limit	Units	Sample Type	Monthly Limit
Non-polar material[2]	50	mg/l	Instantaneous	---
pH	5-11	SU's	Instantaneous	---
Temperature	< 150	Degree F	Instantaneous	---
Flash Point	> 140	Degree F	Instantaneous	---
Cadmium	2 0.69	mg/l mg/l	Instantaneous Composite	--- ---
Chromium (VI)	5	mg/l	Instantaneous	---
Copper	5	mg/l	Instantaneous	---
Lead	2	mg/l	Instantaneous	---
Mercury	0.05	mg/l	Instantaneous	---
Nickel	3	mg/l	Instantaneous	---
Zinc	5	mg/l	Instantaneous	---
Benzene	134	ppb	Instantaneous	57
Carbontetrachloride	---	---	Composite	---
Chloroform	---	---	Composite	---
1,4 Dichlorobenzene	---	---	Composite	---
Ethylbenzene	380	ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50	ppb	Instantaneous	---
Naphthalene	47	ppb	Composite	19
Phenol	---	---	Composite	---
Tetrachloroethylene (Perc)	20	ppb	Instantaneous	---
Toluene	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---	---	Composite	---
1,1,1 Trichloroethane	---	---	Composite	---
Xylenes (Total)	74	ppb	Instantaneous	28
PCB's (Total)[3]	1	ppb	Composite	---
Total Suspended Solids (TSS)	350[4]	mg/l	Instantaneous	---
CBOD[5]	---	---	Composite	---
Chloride[5]	---	---	Instantaneous	---
Total Nitrogen[5]	---	---	Composite	---
Total Solids[5]	---	---	Instantaneous	---
Other				

1 All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the least of the Practical Quantitation Limits identified in NYSDEC's Analytical Detectability and Quantitation Guidelines for Selected Environmental Parameters, December 1988

2 Analysis for ***non-polar materials*** must be done by EPA method 1664 Rev. A. Non-Polar Material shall mean that portion of the oil and grease that is not eliminated from a solution containing N-Hexane, or any other extraction solvent the EPA shall prescribe, by silica gel absorption.

3 Analysis for PCB=s is required if ***both*** conditions listed below are met:
1) if proposed discharge ≥ 10,000 gpd;
2) if duration of a discharge > 10 days.
Analysis for PCB=s must be done by EPA method 608 with MDL=<65 ppt. PCB's (total) is the sum of PCB-1242 (Arochlor 1242), PCB-1254 (Arochlor 1254), PCB-1221 (Arochlor 1221), PCB-1232 (Arochlor 1232), PCB-1248 (Arochlor 1248), PCB-1260 (Arochlor 1260) and PCB-1016 (Arochlor 1016).

4 For discharge ≥ 10,000 gpd, the TSS limit is 350 mg/l. For discharge < 10,000gpd, the limit is determined on a case by case basis.

5 Analysis for Carbonaceous Biochemical Oxygen Demand (CBOD), Chloride, Total Solids and Total Nitrogen are required if proposed discharge ≥ 10,000 gpd. Total Nitrogen = Total Kjeldahl Nitrogen (TKN) + Nitrite (NO_2) + Nitrate (NO_3).

ANALYTICAL REPORT

Lab Number:	L1318578
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/26/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318578-01	MW3_091913	BROOKLYN, NY	09/19/13 11:15
L1318578-02	GB12OW_091913	BROOKLYN, NY	09/19/13 13:10

Project Name: GREENPOINT LANDING **Lab Number:** L1318578
Project Number: 170229002 **Report Date:** 09/26/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG638289-1 LCS recoveries for 2-chloroethylvinyl ether (128%), 1,2-dichloroethane (112%), and trans-1,3-dichloropropene (107%), associated with L1318578-01 and -02, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/26/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-01	Date Collected:	09/19/13 11:15
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/20/13 20:36		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	2.5	J	ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	2.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-01	Date Collected:	09/19/13 11:15
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	2.0	0.66	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	108		80-120
4-Bromofluorobenzene	93		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/20/13 21:11		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	ND		ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	2.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	2.0	0.66	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	106		80-120
4-Bromofluorobenzene	92		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	3.2	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	2.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	2.0	0.66
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	92		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Methylene chloride	110		-		70-111	-		30
1,1-Dichloroethane	107		-		78-116	-		30
Chloroform	107		-		86-111	-		30
Carbon tetrachloride	103		-		60-112	-		30
1,2-Dichloropropane	108		-		83-113	-		30
Dibromochloromethane	106		-		58-129	-		30
1,1,2-Trichloroethane	112		-		80-118	-		30
2-Chloroethylvinyl ether	**128**	Q	-		69-124	-		30
Tetrachloroethene	103		-		80-126	-		30
Chlorobenzene	94		-		80-126	-		30
Trichlorofluoromethane	101		-		83-128	-		30
1,2-Dichloroethane	**112**	Q	-		82-110	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Bromodichloromethane	104		-		71-120	-		30
trans-1,3-Dichloropropene	**107**	Q	-		73-106	-		30
cis-1,3-Dichloropropene	104		-		78-111	-		30
Bromoform	98		-		45-131	-		30
1,1,2,2-Tetrachloroethane	110		-		81-122	-		30
Benzene	108		-		84-116	-		30
Toluene	106		-		83-121	-		30
Ethylbenzene	96		-		84-123	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Chloromethane	101		-		70-144	-		30
Bromomethane	86		-		63-141	-		30
Vinyl chloride	95		-		56-118	-		30
Chloroethane	98		-		74-130	-		30
1,1-Dichloroethene	101		-		77-116	-		30
trans-1,2-Dichloroethene	105		-		81-121	-		30
cis-1,2-Dichloroethene[1]	107		-		85-110	-		30
Trichloroethene	106		-		84-118	-		30
1,2-Dichlorobenzene	100		-		78-128	-		30
1,3-Dichlorobenzene	97		-		77-125	-		30
1,4-Dichlorobenzene	99		-		77-125	-		30
p/m-Xylene[1]	99		-		81-121	-		30
o-Xylene[1]	98		-		81-124	-		30
Xylene (Total)[1]	98		-		81-122	-		30
Styrene[1]	100		-		84-133	-		30
Acetone[1]	138		-		40-160	-		30
Carbon disulfide[1]	99		-		54-134	-		30
2-Butanone[1]	**141**	Q	-		57-116	-		30
Vinyl acetate[1]	125		-		40-160	-		30
4-Methyl-2-pentanone[1]	**139**	Q	-		79-125	-		30
2-Hexanone[1]	**143**	Q	-		78-120	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Acrolein[1]	124		-		40-160	-		30
Acrylonitrile[1]	**130**	Q	-		66-123	-		30
Methyl tert butyl ether[1]	117		-		57-126	-		30
Dibromomethane[1]	107		-		65-126	-		30
1,4-Dioxane[1]	**153**	Q	-		74-121	-		30
tert-Butyl Alcohol[1]	**181**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	**122**	Q	-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	107				80-120
Fluorobenzene	104				80-120
4-Bromofluorobenzene	91				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Methylene chloride	ND	200	230	**117**	Q	-	-		70-111	-		30
1,1-Dichloroethane	ND	200	230	116		-	-		78-116	-		30
Chloroform	ND	200	230	**117**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	240	**121**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	230	**114**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	220	109		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	230	115		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	260	**130**	Q	-	-		69-124	-		30
Tetrachloroethene	ND	200	230	114		-	-		80-126	-		30
Chlorobenzene	ND	200	210	106		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	230	115		-	-		83-128	-		30
1,2-Dichloroethane	ND	200	230	**116**	Q	-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	240	**118**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	220	112		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	180	92		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	160	82		-	-		78-111	-		30
Bromoform	ND	200	200	100		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	220	109		-	-		81-122	-		30
Benzene	ND	200	230	**117**	Q	-	-		84-116	-		30
Toluene	ND	200	230	116		-	-		83-121	-		30
Ethylbenzene	ND	200	220	112		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Chloromethane	ND	200	190	94		-	-		70-144	-		30
Bromomethane	ND	200	94	**47**	Q	-	-		63-141	-		30
Vinyl chloride	ND	200	220	111		-	-		56-118	-		30
Chloroethane	ND	200	230	114		-	-		74-130	-		30
1,1-Dichloroethene	ND	200	230	**117**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	230	116		-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	220	**111**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	230	117		-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	210	105		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	210	104		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	210	106		-	-		77-125	-		30
p/m-Xylene[1]	ND	400	430	108		-	-		81-121	-		30
o-Xylene[1]	ND	200	210	106		-	-		81-124	-		30
Xylene (Total)[1]	ND	600	640	107		-	-		81-122	-		30
Styrene[1]	ND	200	210	107		-	-		84-133	-		30
Acetone[1]	ND	500	600	120		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	200	103		-	-		54-134	-		30
2-Butanone[1]	ND	500	600	**120**	Q	-	-		57-116	-		30
Vinyl acetate[1]	ND	400	400	101		-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	610	122		-	-		79-125	-		30
2-Hexanone[1]	ND	500	590	118		-	-		78-120	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Acrolein[1]	ND	400	410	103		-	-		40-160	-		30
Acrylonitrile[1]	ND	400	470	117		-	-		66-123	-		30
Dibromomethane[1]	ND	200	210	106		-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	96				80-120
Fluorobenzene	106				80-120
Pentafluorobenzene	106				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	ND	ND	ug/l	NC	30
o-Xylene[1]	ND	ND	ug/l	NC	30
Xylene (Total)[1]	ND	ND	ug/l	NC	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	ND	ND	ug/l	NC	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		105		80-120
Fluorobenzene	106		105		80-120
4-Bromofluorobenzene	95		97		80-120

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318578
Project Number: 170229002
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Chromium, Total	0.0033	J	mg/l	0.0100	0.0020	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Copper, Total	0.005	J	mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Lead, Total	0.016		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:14	EPA 245.1	3,245.1	DR
Nickel, Total	0.006	J	mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Zinc, Total	0.024	J	mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	0.012	J	mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Cadmium, Total	0.001	J	mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Chromium, Total	ND		mg/l	0.01	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Copper, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Lead, Total	0.018		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:16	EPA 245.1	3,245.1	DR
Nickel, Total	ND		mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Zinc, Total	0.012	J	mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638693-1										
Antimony, Total	ND		mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Chromium, Total	ND		mg/l	0.01	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Copper, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Lead, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Nickel, Total	ND		mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Zinc, Total	ND		mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG638818-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 12:49	3,245.1	DR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638693-2								
Antimony, Total	100		-		85-115	-		
Arsenic, Total	110		-		85-115	-		
Beryllium, Total	103		-		85-115	-		
Cadmium, Total	107		-		85-115	-		
Chromium, Total	100		-		85-115	-		
Copper, Total	105		-		85-115	-		
Lead, Total	108		-		85-115	-		
Nickel, Total	102		-		85-115	-		
Selenium, Total	112		-		85-115	-		
Silver, Total	106		-		85-115	-		
Thallium, Total	108		-		85-115	-		
Zinc, Total	102		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638818-2								
Mercury, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638693-4 QC Sample: L1318578-02 Client ID: GB12OW_091913												
Antimony, Total	0.012J	0.5	0.552	110		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.134	112		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.049	99		-	-		75-125	-		20
Cadmium, Total	0.001J	0.051	0.051	100		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.19	95		-	-		75-125	-		20
Copper, Total	ND	0.25	0.263	105		-	-		75-125	-		20
Lead, Total	0.018	0.51	0.501	95		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.457	91		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.138	115		-	-		75-125	-		20
Silver, Total	ND	0.05	0.054	109		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.106	88		-	-		75-125	-		20
Zinc, Total	0.012J	0.5	0.481	96		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-4 QC Sample: L1317820-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0053	106		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638693-3 QC Sample: L1318578-02 Client ID: GB12OW_091913						
Antimony, Total	0.012J	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.001J	0.001J	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	0.018	0.018	mg/l	2		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.012J	0.012J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-3 QC Sample: L1317820-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	100		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Solids, Total Settleable	<0.1		ml/l	.1	NA	1	-	09/20/13 01:05	30,2540F	DE
pH (H)	7.2		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.040	J	mg/l	0.10	0.015	1	-	09/21/13 02:44	30,4500NO3-F	DB
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-02
Client ID: GB12OW_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 13:10
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	69.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Solids, Total Settleable	<0.1		ml/l	.1	NA	1	-	09/20/13 01:05	30,2540F	DE
pH (H)	6.6		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.022	J	mg/l	0.10	0.015	1	-	09/21/13 02:44	30,4500NO3-F	DB
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637923-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.015	1	-	09/21/13 02:07	30,4500NO3-F	DB
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638152-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638175-1										
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637649-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637923-2								
Nitrogen, Nitrate/Nitrite	96		-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638175-2								
Oil & Grease, Hem-Grav	98		-		78-114	-		18

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637923-4 QC Sample: L1318641-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	2.0	4	5.9	97		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638175-4 QC Sample: L1318493-01 Client ID: MS Sample												
Oil & Grease, Hem-Grav	ND	41.2	38	93		-	-		78-114	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637649-2 QC Sample: L1318551-01 Client ID: DUP Sample						
pH	9.4	9.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637923-3 QC Sample: L1318641-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	2.0	2.0	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638152-2 QC Sample: L1318617-01 Client ID: DUP Sample						
Solids, Total Suspended	1700	1500	mg/l	13		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638175-3 QC Sample: L1318509-02 Client ID: DUP Sample						
Oil & Grease, Hem-Grav	ND	ND	mg/l	NC		18

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318578-01A	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01B	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01C	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01D	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSETS-2540(2)
L1318578-01E	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSS-2540(7)
L1318578-01F	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-01G	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-01H	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	NO3/NO2-4500(28)
L1318578-01I	Plastic 500ml HNO3 preserved	C	<2	2	Y	Absent	NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L1318578-01J	Plastic 250ml unpreserved	C	7	2	Y	Absent	PH-4500(.01)
L1318578-02A	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02B	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02C	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02D	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSETS-2540(2)
L1318578-02E	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSS-2540(7)
L1318578-02F	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-02G	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-02H	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	NO3/NO2-4500(28)
L1318578-02I	Plastic 500ml HNO3 preserved	C	<2	2	Y	Absent	NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L1318578-02J	Plastic 250ml unpreserved	C	7	2	Y	Absent	PH-4500(.01)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform - Colilert (SM9223, Enumeration and P/A), E. Coli. - Colilert (SM9223, Enumeration and P/A), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics - Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform - MF mEndo (SM9222B), Total Coliform - MTF (SM9221B), E. Coli - Colilert (SM9223 Enumeration), HPC - Pour Plate (SM9215B), Fecal Coliform - MF m-FC (SM9222D), Fecal Coliform - A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics - Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.

Hazardous and Solid Waste Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.

Wastewater/Non-Potable Water Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H-B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.

Solid Waste/Soil Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: EPA 200.8 or: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl EPA 200.7 or: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni 245.1, 300.0 or: Nitrate-N, Fluoride, Sulfate EPA 353.2 or: Nitrate-N, Nitrite-N SM4500NO3-F or: Nitrate-N and Nitrite-N 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: EPA 524.2 or: Trihalomethanes, Volatile Organics 504.1 or: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane, EPA 332. Microbiology Parameters: SM9215B EN. SUB. SM9223 Colilert T SM9223B MF-SM9222D.

Non-Potable Water (Inorganic Parameters:, EPA 200.8 or: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl, n EPA 200.7 or: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni, ,Se,Ag,Na,Sr,Ti,Tl,V, n 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, EPA 350.1 or: Ammonia-N, LACHAT 10-107-06-1-B or Ammonia-N, SM4500NO3-F, 353.2 or Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: EPA 624 or Volatile Halocarbons, Volatile Aromatics, 608 or: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water, EPA 625 or SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil. Microbiology Parameters: Colilert T SM9223B Enterolert- T: SM9222D-MF.

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.

Solid & Chemical Materials Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water Organic Parameters: **EPA 524.2:** Di-isopropyl ether DIPE, Ethyl-t-butyl ether ETBE, Tert-amyl methyl ether TAME.

Non-Potable Water Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.

Solid & Chemical Materials Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.

Non-Potable Water Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5 E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by N Modified 8270, 8015B, N EPH.

Solid & Chemical Materials Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, N□EPH.□

New York Department of Health Certi□icate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.□

North Carolina Department of the Environment and Natural Resources Certi□icate/Lab ID : 666. □Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-□, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.□

Drinking Water Program Certi□icate/Lab ID: 25700. □Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2□

Pennsylvania Department of Environmental Protection Certi□icate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H□-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H□-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, N□-EPH.□

Solid & Hazardous Waste □Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, N□-EPH.□

Rhode Island Department of Health Certi□icate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Re□er to MA-DEP Certi□icate □or Potable and Non-Potable Water.
Re□er to N□-DEP Certi□icate □or Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certi□icate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H□B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2□D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certi□icate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water □Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H□B, 5310C. Organic Parameters: EPA 504.1, 524.2.□

Non-Potable Water □Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-□, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, □

Solid & Hazardous Waste □Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.□

Department of Defense, L-A-B Certi□icate/Lab ID: L2217.
Drinking Water □Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.□

Non-Potable Water □Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste □Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone □Methyl ethyl ketone □ME□□□, Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone □MIB□□, Carbon disul□ide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane □methyl iodide□, Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether □TAME□, Diisopropyl ether □DIPE□, Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matri□, T□N in a soil matri□, NO2 in a soil matri□, NO3 in a soil matri□. **EPA 9071:** Total Petroleum Hydrocarbons, Oil □ Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/19/13

ALPHA Job #: L1318578

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN D.P.C.
Address: 360 W 31ST ST 8TH Fl
NEW YORK, NY 10001
Phone: 212 479 5476
Fax:
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYGORODETSKY
ALPHA Quote #: 2013913

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/27/13 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE CATEGORY A DELIVERABLES
2) PROVIDE NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	pH	Oil and Grease	Total Suspended Solids	Settleable Solids	VOCs EPA 624	Nitrite/Nitrate	13 PP Metals	Sample Specific Comments	Total # Bottles
18578-01	MW3-091913	9/19/13	1115	GW	SH	X	X	X	X	X	X	X		10
02	GB120W-091913	9/19/13	1310	GW	SH	X	X	X	X	X	X	X		10

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	P	A	P	P	V	P	P
Preservative	A	B	A	A	H	D	C

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/19/13 1625	[illegible]	9/19/13 1625
[illegible]	9/19/13 1820	Tom Fisher	9/19/13 1820
Tom Fisher	9/19/13 2300	William Mellend	9/19/13 2350

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ATTACHMENT E

ANALYTICAL LABORATORY CERTIFICATION

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No. 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Bacteriology	
Coliform, Total / E. coli (Qualitative)	SM 18-21 9222B(97)/40CFR141.21(F)6i
	SM 18-21 9223B (97) (Colilert)
Standard Plate Count	SM 18-21 9215B
Drinking Water Metals I	
Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Drinking Water Metals II	
Aluminum, Total	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.8 Rev. 5.4

Drinking Water Metals II	
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Drinking Water Metals III	
Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4
Drinking Water Miscellaneous	
Organic Carbon, Total	SM 18-21 5310C (00)
Perchlorate	EPA 332.0 Rev. 1
Drinking Water Non-Metals	
Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide	SM 18-21 4500-CN E (99)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO3 F (00)
Solids, Total Dissolved	SM 18-21 2540C (97)
Specific Conductance	SM 18-21 2510B (97)

Serial No.: 48541

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Non-Metals	
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Drinking Water Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2
Fuel Additives	
Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2
Microextractibles	
1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1
Volatile Aromatics	
1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2

Volatile Aromatics	
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below.

Volatile Halocarbons

2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 624
	EPA 8260C
Acrylonitrile	EPA 624
	EPA 8260C
Ethyl methacrylate	EPA 8260C
Amines	
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 625
	EPA 8270D
Pyridine	EPA 625
	EPA 8270D
Bacteriology	
Coliform, Fecal	SM 18-21 9221E (99)
	SM 18-21 9222D (97)
Coliform, Total	SM 18-21 9221B (99)
	SM 18-21 9222B (97)
Standard Plate Count	SM 18-21 9215B
Benzidines	
3,3'-Dichlorobenzidine	EPA 625
	EPA 8270D

Benzidines	
Benzidine	EPA 625
	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 608
	EPA 8081B
4,4'-DDE	EPA 608
	EPA 8081B
4,4'-DDT	EPA 608
	EPA 8081B
Aldrin	EPA 608
	EPA 8081B
alpha-BHC	EPA 608
	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 608
	EPA 8081B
Chlordane Total	EPA 608
	EPA 8081B
delta-BHC	EPA 608
	EPA 8081B
Dieldrin	EPA 608
	EPA 8081B
Endosulfan I	EPA 608
	EPA 8081B
Endosulfan II	EPA 608

Serial No.: 48542

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Chlorinated Hydrocarbon Pesticides	
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 608
	EPA 8081B
Endrin	EPA 608
	EPA 8081B
Endrin aldehyde	EPA 608
	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 608
	EPA 8081B
Heptachlor epoxide	EPA 608
	EPA 8081B
Lindane	EPA 608
	EPA 8081B
Methoxychlor	EPA 608
	EPA 8081B
Toxaphene	EPA 608
	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D
2-Chloronaphthalene	EPA 625

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dinoseb	EPA 8151A
Demand	
Biochemical Oxygen Demand	SM 18-21 5210B (01)
Carbonaceous BOD	SM 18-21 5210B (01)
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
	SM 18-21 5220D (97)
Fuel Oxygenates	
Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8260C
Methyl tert-butyl ether	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Fuel Oxygenates	
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260C
Haloethers	
4-Bromophenylphenyl ether	EPA 625
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 625
	EPA 8270D
Low Level Polynuclear Aromatics	
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatics	
Naphthalene Low Level	EPA 8270D SIM
Mineral	
Acidity	SM 18-21 2310B,4a (97)
Alkalinity	SM 18-21 2320B (97)
Chloride	EPA 300.0 Rev. 2.1
	SM 18-21 4500-Cl- E (97)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Hardness, Total	EPA 200.7 Rev. 4.4
	SM 18-21 2340B (97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
	SM 15 426 C
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8270D
	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2,6-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Nitroaromatics and Isophorone	
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 625
	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 625
	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
Nitrosoamines	
N-Nitrosodimethylamine	EPA 625
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270D
Nutrient	
Ammonia (as N)	EPA 350.1 Rev. 2.0
	SM 18 4500-NH3 H
Kjeldahl Nitrogen, Total	EPA 351.1 Rev. 1978
	LACHAT 10-107-06-2
Nitrate (as N)	EPA 300.0 Rev. 2.1
	EPA 353.2 Rev. 2.0

Nutrient	
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO2 B (00)
Orthophosphate (as P)	SM 18-21 4500-P E
Phosphorus, Total	SM 18-21 4500-P E
Organophosphate Pesticides	
Atrazine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 625
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Di-n-octyl phthalate	EPA 625
	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 608

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 608 EPA 8082A
PCB-1232	EPA 608 EPA 8082A
PCB-1242	EPA 608 EPA 8082A
PCB-1248	EPA 608 EPA 8082A
PCB-1254	EPA 608 EPA 8082A
PCB-1260	EPA 608 EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatics	
Acenaphthene	EPA 625 EPA 8270D
Acenaphthylene	EPA 625 EPA 8270D
Anthracene	EPA 625 EPA 8270D
Benzo(a)anthracene	EPA 625 EPA 8270D
Benzo(a)pyrene	EPA 625

Polynuclear Aromatics	
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 625 EPA 8270D
Benzo(ghi)perylene	EPA 625 EPA 8270D
Benzo(k)fluoranthene	EPA 625 EPA 8270D
Chrysene	EPA 625 EPA 8270D
Dibenzo(a,h)anthracene	EPA 625 EPA 8270D
Fluoranthene	EPA 625 EPA 8270D
Fluorene	EPA 625 EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625 EPA 8270D
Naphthalene	EPA 625 EPA 8270D
Phenanthrene	EPA 625 EPA 8270D
Pyrene	EPA 625 EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 625
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270D
2-Chlorophenol	EPA 625
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270D
2-Methylphenol	EPA 625
	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625
	EPA 8270D
Pentachlorophenol	EPA 625
	EPA 8270D

Priority Pollutant Phenols	
Phenol	EPA 625
	EPA 8270D
Residue	
Solids, Total	SM 18-21 2540B (97)
Solids, Total Dissolved	SM 18-21 2540C (97)
Solids, Total Suspended	SM 18-21 2540D (97)
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 624
	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Volatile Aromatics	
1,3-Dichlorobenzene	EPA 624
	EPA 8260C
1,4-Dichlorobenzene	EPA 624
	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 624
	EPA 8260C
Chlorobenzene	EPA 624
	EPA 8260C
Ethylbenzene	EPA 624
	EPA 8260C
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 624
	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 624
	EPA 8260C
Total Xylenes	EPA 624
	EPA 8260C

Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 624
	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 624
	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethene	EPA 624
	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8011
	EPA 8260C
1,2-Dibromoethane	EPA 8011
	EPA 8260C
1,2-Dichloroethane	EPA 624
	EPA 8260C
1,2-Dichloropropane	EPA 624
	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 624
	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Volatile Halocarbons

Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 624
	EPA 8260C
Bromoform	EPA 624
	EPA 8260C
Bromomethane	EPA 624
	EPA 8260C
Carbon tetrachloride	EPA 624
	EPA 8260C
Chloroethane	EPA 624
	EPA 8260C
Chloroform	EPA 624
	EPA 8260C
Chloromethane	EPA 624
	EPA 8260C
cis-1,2-Dichloroethene	EPA 624
	EPA 8260C
cis-1,3-Dichloropropene	EPA 624
	EPA 8260C
Dibromochloromethane	EPA 624
	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 624
	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 624

Volatile Halocarbons

Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 624
	EPA 8260C
trans-1,2-Dichloroethene	EPA 624
	EPA 8260C
trans-1,3-Dichloropropene	EPA 624
	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 624
	EPA 8260C
Trichlorofluoromethane	EPA 624
	EPA 8260C
Vinyl chloride	EPA 624
	EPA 8260C

Volatiles Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C

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Volatiles Organics

Vinyl acetate	EPA 8260C

Wastewater Metals I

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Calcium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Iron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Lead, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Wastewater Metals I

Lead, Total	EPA 6010C
	EPA 6020A
Magnesium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C

Wastewater Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Wastewater Metals II	
Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
	SM 18-19 3500-Cr D
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Wastewater Metals II	
Zinc, Total	EPA 6010C
	EPA 6020A
Wastewater Metals III	
Cobalt, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Tin, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Titanium, Total	EPA 200.7 Rev. 4.4
Wastewater Miscellaneous	
Boron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Bromide	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide, Total	SM 18-21 4500-CN E (99)
Formaldehyde	EPA 8315A

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All approved analytes are listed below:

Wastewater Miscellaneous

Oil and Grease Total Recoverable (HEM	EPA 1664A
Organic Carbon, Total	SM 18-21 5310C (00)
Phenols	EPA 420.1 Rev. 1978
	SM 14 510C
Silica, Dissolved	EPA 200.7 Rev. 4.4
Specific Conductance	EPA 120.1 Rev. 1982
	SM 18-21 2510B (97)
Sulfide (as S)	SM 18-21 4500-S D (00)
Surfactant (MBAS)	SM 18-21 5540C (00)
Total Petroleum Hydrocarbons	EPA 1664A

Sample Preparation Methods

EPA 3005A
EPA 3015
EPA 3510C
EPA 5030B
EPA 9010C
EPA 9030B
SM 18-20 4500-CN C
SM 18-21 4500-NH3 B (97)

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below

Acrylates	
Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Ethyl methacrylate	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
Ignitability	EPA 1010A
	EPA 1030
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B

Chlorinated Hydrocarbon Pesticides	
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Chlorinated Hydrocarbons	
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Chlorophenoxy Acid Pesticides	
2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Low Level Polynuclear Aromatic Hydrocarbons	
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6010C EPA 6020A
Cadmium, Total	EPA 6010C EPA 6020A
Calcium, Total	EPA 6010C
Chromium, Total	EPA 6010C EPA 6020A
Copper, Total	EPA 6010C EPA 6020A
Iron, Total	EPA 6010C EPA 6020A
Lead, Total	EPA 6010C EPA 6020A
Magnesium, Total	EPA 6010C

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Metals I	
Manganese, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C
Metals II	
Aluminum, Total	EPA 6010C
	EPA 6020A
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 6010C
	EPA 6020A

Metals III	
Cobalt, Total	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 6010C
	EPA 6020A
Tin, Total	EPA 6010C
Minerals	
Chloride	EPA 9251
Sulfate (as SO4)	EPA 9038
Miscellaneous	
Boron, Total	EPA 6010C
Cyanide, Total	EPA 9012B
	EPA 9014
Formaldehyde	EPA 8315A
Phenols	EPA 9065
Specific Conductance	EPA 9050A
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 8270D
	EPA 8330
2,6-Dinitrotoluene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Phthalate Esters	
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Polynuclear Aromatic Hydrocarbons	
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D

Semi-Volatile Organics	
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C

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WADSWORTH CENTER

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MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Aromatics	
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C

Volatile Halocarbons	
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C
Volatile Organics	
1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C

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ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Organics

4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260B
	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

EPA 3005A
EPA 3050B
EPA 3540C
EPA 3546
EPA 3580A
EPA 5035A-H
EPA 5035A-L
EPA 9010C
EPA 9030B

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WADSWORTH CENTER

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Revised April 18, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Pyridine	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
3,3'-Dimethylbenzidine	EPA 8270D
Benzidine	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Dissolved Gases	
Ethane	RSK-175
Ethene (Ethylene)	RSK-175
Methane	RSK-175
Propane	RSK-175

Serial No.: 49076

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MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Haloethers	
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatics	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Mineral	
Alkalinity	SM 18-21 2320B (97)

Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Organophosphate Pesticides	
Atrazine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-118	EPA 8082A
PCB-128	EPA 8082A
PCB-1016	EPA 8082A

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320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No. 11627

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Polychlorinated Biphenyls	
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatics	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D

Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Residue	
Solids, Total Suspended	SM 18-21 2540D (97)
Semi-Volatile Organics	
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D

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MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No. 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category:
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Semi-Volatile Organics

Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Wastewater Metals I

Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Strontium, Total	EPA 6020A

Wastewater Metals II

Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Low Level	EPA 1631E
Mercury, Total	EPA 7470A
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A

Wastewater Metals III

Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A

Wastewater Miscellaneous

Specific Conductance	EPA 9050A
Turbidity	EPA 180.1 Rev. 2.0

Sample Preparation Methods

	EPA 3020A
	EPA 351DC

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CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No. 11627

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category:
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9040C
	EPA 9045D
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Pentachloronitrobenzene	EPA 8270D
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D

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Haloethers	
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D
Low Level Polynuclear Aromatic Hydrocarbons	
Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM
Metals I	
Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Metals I	
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Metals II	
Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Total	EPA 7471B
	EPA 7474
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A
Metals III	
Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A
Miscellaneous	
Organic Carbon, Total	EPA 9060
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1	EPA 8082A
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
Polychlorinated Biphenyls	
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below

Priority Pollutant Phenols		Sample Preparation Methods
2,4-Dinitrophenol	EPA 8270D	EPA 3580A
2-Chlorophenol	EPA 8270D	
2-Methyl-4,6-dinitrophenol	EPA 8270D	
2-Methylphenol	EPA 8270D	
2-Nitrophenol	EPA 8270D	
3-Methylphenol	EPA 8270D	
4-Chloro-3-methylphenol	EPA 8270D	
4-Methylphenol	EPA 8270D	
4-Nitrophenol	EPA 8270D	
Pentachlorophenol	EPA 8270D	
Phenol	EPA 8270D	
Semi-Volatile Organics		
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D	
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D	
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D	
2-Methylnaphthalene	EPA 8270D	
Acetophenone	EPA 8270D	
Benzoic Acid	EPA 8270D	
Benzyl alcohol	EPA 8270D	
Dibenzofuran	EPA 8270D	
Sample Preparation Methods		
	EPA 3050B	
	EPA 3051A	
	EPA 3510C	
	EPA 3570	

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Acrylates	
Acetonitrile	EPA TO-15
Acrylonitrile	EPA TO-15
Methyl methacrylate	EPA TO-15
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15
Polychlorinated Biphenyls	
PCB-1016	EPA TO-10A
PCB-1221	EPA TO-10A
PCB-1232	EPA TO-10A
PCB-1242	EPA TO-10A
PCB-1248	EPA TO-10A
PCB-1254	EPA TO-10A
PCB-1260	EPA TO-10A
PCB-1262	EPA TO-10A
PCB-1268	EPA TO-10A
Polynuclear Aromatics	
Naphthalene	EPA TO-15
Purgeable Aromatics	
1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15

Purgeable Aromatics	
2-Chlorotoluene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15
m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15
Purgeable Halocarbons	
1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2-Dibromo-3-chloropropane	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15

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320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Purgeable Halocarbons	
Carbon tetrachloride	EPA TO-15
Chloroethane	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15
Volatile Chlorinated Organics	
Benzyl chloride	EPA TO-15
Volatile Organics	
1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
Acetaldehyde	EPA TO-15

Volatile Organics	
Acetone	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
tert-butyl alcohol	EPA TO-15
Vinyl acetate	EPA TO-15

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APPENDIX C

SOIL VAPOR BORING LOGS

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Log of Boring **SV-1** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 11.61
Drilling Company: Auger Drilling and Testing	Date Started: 9/17/13 — Date Finished: 9/17/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 5 ft — Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in.): — Casing Depth (ft.):	Water Level (ft.): First / Completion / 24 HR.
Casing Hammer: — Weight (lbs.): — Drop (in.):	Drilling Foreman: Bernie
Sampler: 5" Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: — Weight (lbs.): — Drop (in.):	

Material Symbol	Elev. (ft.)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in.)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	11.6		0						
	11.1	ASPHALT							
		Brown fine SAND, trace gravel, some coal fragments, some asphalt fragments, trace brick, dry, loose, well graded (FILL)	1	1	Acetate Sleeve	38/60		0.0 0.2	
			2						
			3						
			4						
	6.6		5						Installed SV Probe @ 5' bgs EOB @ 5' bgs
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SV-2** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 8.9
Drilling Company: Aquifer Drilling and Testing	Date Started: 9/17/13 — Date Finished: 9/17/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft — Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in.): — Casing Depth (ft.):	Water Level (ft.): First / Completion / 24 HR.
Casing Hammer: — Weight (lbs.): — Drop (in.):	Drilling Foreman: Bernie
Sampler: 5" Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: — Weight (lbs.): — Drop (in.):	

Material Symbol	Elev. (ft.)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in.)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	8.9		0						
	8.4	ASPHALT							
		Black f-c SAND, some asphalt fragments, trace gravel, trace brick, well graded (FILL)	1					0.0	
			2	1	Acetate Sleeve	40/60			
	6.4	Brown fine SAND, some silt, dry, poorly grade (FILL)	3						
			4						
	3.9	Gravel, well graded, dry	5						
			6					0.6	
	1.9	Brown f-c SAND, asphalt fragments, dry (FILL)	7						
	1.4	Brown/Black silt, with fine SAND, compact, dry	8	2	Acetate Sleeve	60/60			Installed SV probe @ 8' bgs
	-0.6		9						
	-1.1	Brown m-c SAND, moist	10						EOB @ 10'
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SV-3** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 6.16
Drilling Company: Auger Drilling and Testing	Date Started: 9/17/13 — Date Finished: 9/17/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft — Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter: in — Casing Depth: ft	Water Level: ft. — First / Completion / 24 HR.
Casing Hammer: Weight: lbs — Drop: in	Drilling Foreman: Bernie
Sampler: 5 Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: Weight: lbs — Drop: in	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	6.2		0						
	5.7	ASPHALT							
		Black-Brown f-c SAND, some brick, some silt, dry, compact, well graded (FILL)	1					0.0	
			2					0.0	
			3	1	Acetate Sleeve	38/60			SV-3 was moved 5' south and 9' west of original location due to equipment obstruction
			4						
	1.2		5						
		Some asphalt fragments, trace brick, compact, dry, well graded, moist (FILL)						0.0	
			6						Installed SV probe @ 6'
			7	2	Acetate Sleeve	42/60			
	-1.8	Black-brown m-c SAND, wet, poorly graded, (FILL)	8						
			9						
	-3.8		10						EOB @ 10'
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SV-4** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 7.66
Drilling Company: Auger Drilling and Testing	Date Started: 9/17/13 — Date Finished: 9/17/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft — Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter: in — Casing Depth: ft	Water Level: ft. — First / Completion / 24 HR.
Casing Hammer: Weight: lbs — Drop: in	Drilling Foreman: Bernie
Sampler: 5 Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: Weight: lbs — Drop: in	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	7.7		0						
	7.2	ASPHALT							
		Black fine SAND, coal ash fragments, dry, compact, trace brick, FILL	1					0.0	
			2	1	Acetate Sleeve	37/60		0.0	
			3						
			4						
	2.7		5						
		Coal ash fragments, dry, trace brick, moist @ 7 bgs FILL	6						
			7	2	Acetate Sleeve	56/60			Installed SV probe @ 6.5
	-0.3		8						
		Gray-brown silt, some SAND, poorly graded, compact, wet.	9						
	-2.3		10						EOB @ 10
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SV-5** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 5.4
Drilling Company: Auger Drilling and Testing	Date Started: 9/17/13 / Date Finished: 9/17/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in.): / Casing Depth (ft.):	Water Level (ft.): First / Completion / 24 HR.
Casing Hammer: Weight (lbs.): Drop (in.):	Drilling Foreman: Bernie
Sampler: 5" Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: Weight (lbs.): Drop (in.):	

Material Symbol	Elev. (ft.)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in.)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	5.4		0						
	4.9	ASPHALT							
		Brown fine SAND, trace asphalt fragments, trace gravel, dry, poorly graded, (FILL)	1					0.4	
			2					0.5	
			3	1	Acetate Sleeve	30/60			Installed SV probe @ 3'
			4						
	0.4		5						
		Black-brown fine SAND, some silt, trace asphalt, trace gravel, wet @ 7' (FILL)	6					0.4	
			7					0.3	
			8	2	Acetate Sleeve	36/60			
			9						
	-4.6		10						EOB @ 10'
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SV-6** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 7.82
Drilling Company: Auger Drilling and Testing	Date Started: 9/17/13 / Date Finished: 9/17/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in.): / Casing Depth (ft.):	Water Level (ft.): First / Completion / 24 HR.
Casing Hammer: / Weight (lbs.): / Drop (in.):	Drilling Foreman: Bernie
Sampler: 5" Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: / Weight (lbs.): / Drop (in.):	

Material Symbol	Elev. (ft.)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in.)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	7.8								
	7.3	ASPHALT							
		Asphalt fragments, brown-gray silt, some fine sand, compact, poorly graded, coal fragments, moist (FILL)	0–5	1	Acetate Sleeve	32/60		0.0, 0.0	
	2.8	Brown clayey-silt, trace SAND, trace coal ash, moist (FILL)	5–7	2	Acetate Sleeve	40/60		0.0, 0.0	Installed SV probe @ 5'
	0.8	Coal ash fragments, well graded, wet (FILL)	7–10						
	-2.2		10						EOB @ 10'

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

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Log of Boring **SV-7** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 10.22
Drilling Company: Auger Drilling and Testing	Date Started: 9/16/13 / Date Finished: 9/16/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in.): / Casing Depth (ft.):	Water Level (ft.): First / Completion / 24 HR.
Casing Hammer: Weight (lbs.): Drop (in.):	Drilling Foreman: Bernie
Sampler: 5" Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: Weight (lbs.): Drop (in.):	

Material Symbol	Elev. (ft.)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in.)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	10.2		0						
	9.7	ASPHALT							
		Brown fine SAND, trace gravel, some brick, some asphalt fragments, dry, loose, well graded (FILL)	1	1	Acetate Sleeve	24/60		1.1	
	5.2		5						
		Brown fine SAND, trace coal fragments, dry, well graded (FILL)	6	2	Acetate Sleeve	32/60		0.6	
			9						Installed SV probe @ 9'
	0.2		10						EOB @ 10'
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SV-8** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 10.29
Drilling Company: Auger Drilling and Testing	Date Started: 9/16/13 — Date Finished: 9/16/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft — Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in.): — Casing Depth (ft.):	Water Level (ft.): First / Completion / 24 HR.
Casing Hammer: — Weight (lbs.): — Drop (in.):	Drilling Foreman: Bernie
Sampler: 5" Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: — Weight (lbs.): — Drop (in.):	

Material Symbol	Elev. (ft.)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in.)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	10.3		0						
	9.8	ASPHALT							
		Brown f-c SAND, some asphalt fragments, some brick, trace gravel, moist, well graded (FILL)	1						
			2	1	Acetate Sleeve	30/60		0.6	
			3						
			4						
	5.3		5						
		Black f-c SAND, orange-brown f-c SAND, well graded	6					0.0	
	3.3		7					0.0	
		Brown f-m SAND, loose, moist	8	2	Acetate Sleeve	36/60			
			9						Installed SV probe at 9'
	0.3		10						EOB @ 10'
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SV-9** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 11.8
Drilling Company: Auger Drilling and Testing	Date Started: 9/16/13 / Date Finished: 9/16/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter: in / Casing Depth: ft	Water Level: ft.: First / Completion / 24 HR.
Casing Hammer: Weight: lbs / Drop: in	Drilling Foreman: Bernie
Sampler: 5 Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: Weight: lbs / Drop: in	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	11.8								
	11.3	ASPHALT							
		Brown fine SAND, some asphalt fragments, trace gravel, loose, dry, well graded (FILL)	0–5	1	Acetate Sleeve	30/60		0.0	
	6.8								
		Brown fine SAND, trace silt, trace gravel, trace asphalt fragments, dry (FILL)	5–8	2	Acetate Sleeve	46/60		0.0	
	3.8								
		Brown silt, trace clay (light brown), moist, trace gravel, trace brick (FILL)	8–10						Installed SV probe @ 8' bgs, Never encountered groundwater.
	1.8								
			10						EOB @ 10'
			11–20						

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Log of Boring **SV-10** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 8.82
Drilling Company: Auger Drilling and Testing	Date Started: 9/16/13 / Date Finished: 9/16/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter: in / Casing Depth: ft	Water Level: ft. First / Completion / 24 HR.
Casing Hammer: Weight: lbs / Drop: in	Drilling Foreman: Bernie
Sampler: 5 Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: Weight: lbs / Drop: in	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	8.8		0						
	8.3	ASPHALT							
		gray fine SAND, some gravel, some brick, trace wood fragments, loose, well graded (FILL)	1						
			2	1	Acetate Sleeve	58/60		0.0	
			3						
			4					0.0	
			5						
			6						
			7	2	Acetate Sleeve	43/60		0.6	
	0.8	Black fine SAND, trace asphalt fragments, moist	8						Installed SV probe @ 8'
			9						
	-1.2		10						EOB @ 10'
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SV-11** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY	Elevation and Datum: Approx. 7.6
Drilling Company: Auger Drilling and Testing	Date Started: 9/16/13 / Date Finished: 9/16/13
Drilling Equipment: Geoprobe 6620 DT Rig	Completion Depth: 10 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter: in / Casing Depth: ft	Water Level: ft. First / Completion / 24 HR.
Casing Hammer: Weight: lbs / Drop: in	Drilling Foreman: Bernie
Sampler: 5 Acetate Sleeve	Inspecting Engineer: S.Harrison
Sampler Hammer: Weight: lbs / Drop: in	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	7.6								
	7.1	ASPHALT							
		Black-light brown fine-c SAND, some gravel, some brick, loose, dry, well graded (FILL)	0–5	1	Acetate Sleeve	34/60		0.0	
	2.6	Asphalt fragments, some brick, some gravel, moist (FILL)	5–10	2	Acetate Sleeve	40/60		0.0	Installed SV probe @ 6.5' bgs in fill
	0.1	Light brown fine-m SAND, wet, poorly graded, some silt, loose						0.0	
	-2.4		10						EOB @ 10' bgs

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Log of Boring **SV-12** Sheet 1 of 1

Project: Greenpoint Landing		Project No.: 170229002	
Location: Brooklyn, NY		Elevation and Datum: Approx. 6.7	
Drilling Company: Auger Drilling and Testing		Date Started: 9/16/13	Date Finished: 9/16/13
Drilling Equipment: Geoprobe 6620 DT Rig		Completion Depth: 10 ft	Rock Depth: -
Size and Type of Bit: 2.5" Direct Push		Number of Samples: Disturbed	Undisturbed: Core
Casing Diameter: in.	Casing Depth: ft.	Water Level: ft. First	Completion: 24 HR.
Casing Hammer: Weight: lbs.	Drop: in.	Drilling Foreman: Bernie	
Sampler: 5" Acetate Sleeve		Inspecting Engineer: S.Harrison	
Sampler Hammer: Weight: lbs.	Drop: in.		

Material Symbol	Elev. (ft.)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in.)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	6.7		0						
	6.2	ASPHALT							
		Gray fine SAND, some gravel, some asphalt fragments, trace brick, dry, loose, well graded (FILL)	1					0.0	
			2						
			3	1	Acetate Sleeve	35/60		0.0	
			4						
	1.7		5						
		Brown-black fine SAND, some gravel, some silt, trace brick, wet @ 8' bgs (FILL)	6						
			7						Installed SV probe @ 6.5'
			8	2	Acetate	36/60			
			9						
	-3.3		10						EOB @ 10'
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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APPENDIX D

SOIL VAPOR SAMPLING LOGS

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-1_____

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 11.61 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/18/2013 **DATE FINISHED:** 9/18/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:**
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS** (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Clear 60's Sunny Dry

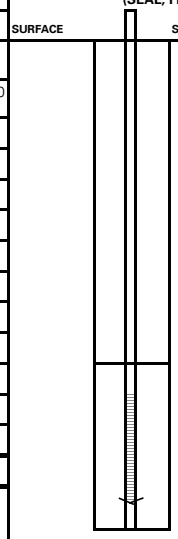
METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL** (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL** (Sand or Glass Beads): No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	30.1%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	13:44
SAMPLE STOP DATE/TIME:	15:53
TOTAL SAMPLE TIME (MIN):	129
FLOW RATE (L/MIN):	0.0078 L/min
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	826
REGULATOR SERIAL NUMBER:	24
CAN START VACUUM PRESS. (" HG):	-30.56
CAN STOP VACUUM PRESS. (" HG):	-6.59

SAMPLE LOCATION SKETCH



IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	4'	
	5' bgs	

NOTES

Installed SV probe @ 5' bgs in brown firm Sand with trace gravel (dry).

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-2_____

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 8.90 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/18/2013 **DATE FINISHED:** 9/18/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S. Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Clear 60's Sunny Dry

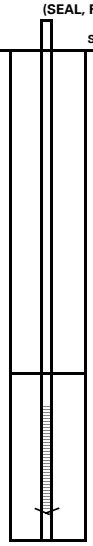
METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	28.3%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	13:00
SAMPLE STOP DATE/TIME:	14:59
TOTAL SAMPLE TIME (MIN):	119
FLOW RATE (L/MIN):	0.0084 L/min
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	571
REGULATOR SERIAL NUMBER:	249
CAN START VACUUM PRESS. (" HG):	-30.23
CAN STOP VACUUM PRESS. (" HG):	-6.23

SAMPLE LOCATION SKETCH



IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	7' bgs	
	8' bgs	

NOTES

Installed SV probe in brown silt with some fine SAND, poorly graded.

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-3_____

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 6.16 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/18/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S. Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Clear 60's Sunny Dry

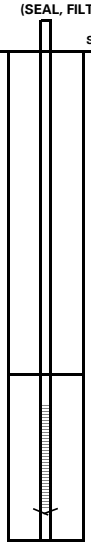
METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8''OD	**TYPE OF MATERIAL ABOVE SEAL:** NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	28.7%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	11:36
SAMPLE STOP DATE/TIME:	14:03
TOTAL SAMPLE TIME (MIN):	127
FLOW RATE (L/MIN):	0.0079 L/min
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	728
REGULATOR SERIAL NUMBER:	594
CAN START VACUUM PRESS. (" HG):	-30.41
CAN STOP VACUUM PRESS. (" HG):	-7.38

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



IMPLANT/PROBE DETAILS	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	5' bgs	
	6'	

SAMPLE LOCATION SKETCH

NOTES

Installed SV probe @ 6' in fill with some asphalt fragments, trace brick. Water @ ~8.5'.

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-4_____

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 7.66 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/18/2013 **DATE FINISHED:** 9/18/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S. Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Clear 60's Sunny Dry

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	27.9%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	12:28
SAMPLE STOP DATE/TIME:	14:25
TOTAL SAMPLE TIME (MIN):	117
FLOW RATE (L/MIN):	0.0085 L/min
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	797
REGULATOR SERIAL NUMBER:	102
CAN START VACUUM PRESS. (" HG):	-30.29
CAN STOP VACUUM PRESS. (" HG):	-7.26

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	5.5' bgs	
	6.5'	

SAMPLE LOCATION SKETCH

NOTES

Installed SV probe @ 6.5' in coal ash, coal fragments, trace brick (FILL).

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-5_____

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 5.40 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/18/2013 **DATE FINISHED:** 9/18/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S.Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Clear 60's Sunny Dry

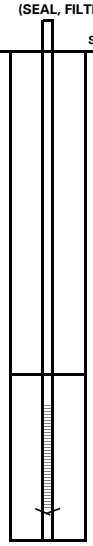
METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8''OD	**TYPE OF MATERIAL ABOVE SEAL:** NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0.5
HELIUM TEST IN BUCKET(%):	29.6%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.2 After Sample: 0.5
SAMPLE START DATE/TIME:	11:18
SAMPLE STOP DATE/TIME:	13:17
TOTAL SAMPLE TIME (MIN):	119
FLOW RATE (L/MIN):	0.0084 L/min
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	876
REGULATOR SERIAL NUMBER:	72
CAN START VACUUM PRESS. (" HG):	-30.27
CAN STOP VACUUM PRESS. (" HG):	-6.55

SAMPLE LOCATION SKETCH



IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	2' bgs	
	3'	

NOTES

Installed SV probe in brown fine sand, trace asphalt, trace gravel. Water @ 6'-7'.

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-6_____

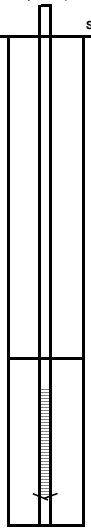
PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 7.82 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/18/2013 **DATE FINISHED:** 9/18/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S.Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Clear 60's Sunny Dry

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8''OD	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SU Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0.5
HELIUM TEST IN BUCKET(%):	29.0%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	8:52
SAMPLE STOP DATE/TIME:	10:47
TOTAL SAMPLE TIME (MIN):	115
FLOW RATE (L/MIN):	0.522
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	832
REGULATOR SERIAL NUMBER:	92
CAN START VACUUM PRESS. (" HG):	-30.12
CAN STOP VACUUM PRESS. (" HG):	-7.05



IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	4'	
	5'	

SAMPLE LOCATION SKETCH

NOTES

Installed SV probe @ 5' in brown clay silt, trace sand, trace coal fragments (Fill). Water @ 8'.

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-7_____

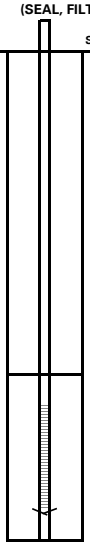
PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 10.22 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/16/2013 **DATE FINISHED:** 9/16/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S.Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Clear 60's Sunny Dry

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8''OD	**TYPE OF MATERIAL ABOVE SEAL:** NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	38.0%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	13:55
SAMPLE STOP DATE/TIME:	15:53
TOTAL SAMPLE TIME (MIN):	118
FLOW RATE (L/MIN):	0.0085
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	675
REGULATOR SERIAL NUMBER:	584
CAN START VACUUM PRESS. (" HG):	-29.75
CAN STOP VACUUM PRESS. (" HG):	-7.35



IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	8'	
	9'	

SAMPLE LOCATION SKETCH

NOTES

Installed SV probe @ 9' in brown f-m SAND.

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-8_____

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 10.29 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/16/2013 **DATE FINISHED:** 9/16/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S.Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Clear 60's Sunny Dry

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8''OD	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SU Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	30.0%
HELIUM TEST IN TUBE (PPM):	Before Sample: 2.0 After Sample: 1.1
SAMPLE START DATE/TIME:	14:09
SAMPLE STOP DATE/TIME:	16:04
TOTAL SAMPLE TIME (MIN):	115
FLOW RATE (L/MIN):	0.0087
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	882
REGULATOR SERIAL NUMBER:	41
CAN START VACUUM PRESS. (" HG):	-30.37
CAN STOP VACUUM PRESS. (" HG):	-7.04

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE		
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	8'	
	9'	

SAMPLE LOCATION SKETCH

NOTES

Native soil around 8.5-9' bgs

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-9_____

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 11.80 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/18/2013 **DATE FINISHED:** 9/18/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S.Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS** (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Clear 60's Sunny Dry

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8''OD	**TYPE OF MATERIAL ABOVE SEAL:** NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SU Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0.3
HELIUM TEST IN BUCKET(%):	29.4%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.4 After Sample: 0.3
SAMPLE START DATE/TIME:	8:35
SAMPLE STOP DATE/TIME:	10:38
TOTAL SAMPLE TIME (MIN):	118
FLOW RATE (L/MIN):	0.0085
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	715
REGULATOR SERIAL NUMBER:	117
CAN START VACUUM PRESS. (" HG):	-30.09
CAN STOP VACUUM PRESS. (" HG):	-7.09

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	7'	
	8'	

SAMPLE LOCATION SKETCH

NOTES

Installed in brown f-m sand, with trace gravel, and trace asphalt (dry) (Fill).

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-10_____

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 8.82 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/16/2013 **DATE FINISHED:** 9/16/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S.Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Clear 60's Sunny Dry

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8''OD	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	33.8%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.4 After Sample: 2.3
SAMPLE START DATE/TIME:	7:40
SAMPLE STOP DATE/TIME:	9:40
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0083
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	815
REGULATOR SERIAL NUMBER:	544
CAN START VACUUM PRESS. (" HG):	-30.17
CAN STOP VACUUM PRESS. (" HG):	-7.00

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	7'	
	8'	

SAMPLE LOCATION SKETCH

NOTES

Installed in brown f-m SAND, with trace gravel, and trace asphalt (dry) (Fill).

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-11_____

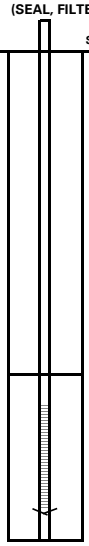
PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 7.60 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/16/2013 **DATE FINISHED:** 9/16/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:** S. Harrison
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS** (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Clear 60's Sunny Dry

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8''OD	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	31.0%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.2 After Sample: 0.0
SAMPLE START DATE/TIME:	14:20
SAMPLE STOP DATE/TIME:	16:23
TOTAL SAMPLE TIME (MIN):	123
FLOW RATE (L/MIN):	0.0081
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	1497
REGULATOR SERIAL NUMBER:	498
CAN START VACUUM PRESS. (" HG):	-30.49
CAN STOP VACUUM PRESS. (" HG):	-7.22



IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	5.5'	
	6.5'	

SAMPLE LOCATION SKETCH

NOTES

Installed SV probe in asphalt fragments, some brick, some gravel (FILL)

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: _____SV-12_____

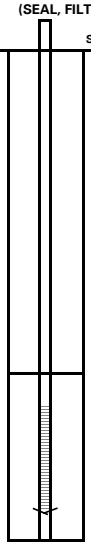
PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 6.70 BBHD
DRILLING FIRM OR LANGAN INSTALLER: ADT	**INSTALLATION DATE STARTED:** 9/17/2013 **DATE FINISHED:** 9/17/2013
INSTALLATION FOREMAN: Bernie	**SAMPLE DATE STARTED:** 9/18/2013 **DATE FINISHED:** 9/18/2013
INSTALLATION EQUIPMENT: Geoprobe 6620DT	**TYPE OF SAMPLING DEVICE:** Summa Canister (1 liter)
INSPECTOR: S. Harrison	**SAMPLER:**
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS** (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Clear 60's Sunny Dry

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6620 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8''OD	**TYPE OF MATERIAL ABOVE SEAL:** N/A
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 5''	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1 liter
PURGE FLOW RATE (ML/MIN):	
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	28.0%
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.5 After Sample: 0.0
SAMPLE START DATE/TIME:	8:07
SAMPLE STOP DATE/TIME:	11:25
TOTAL SAMPLE TIME (MIN):	123
FLOW RATE (L/MIN):	0.0051
VOLUME OF SAMPLE (LITERS):	1
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	852
REGULATOR SERIAL NUMBER:	248
CAN START VACUUM PRESS. (" HG):	-30.44
CAN STOP VACUUM PRESS. (" HG):	-7.30



IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0'0	Bentonite Seal
Top of Pack No. 2 Sand	5.5'	
	6.5'	

SAMPLE LOCATION SKETCH

NOTES

Installed SV probe in brown-black f-c SAND, some silt, some brick, some gravel (FILL)

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

APPENDIX E

SOIL BORING LOGS

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Log of Boring **SB-16** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/24/14 / Date Finished: 2/24/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First 7.6 / Completion -- / 24 HR. --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-5" - ASPHALT	0						
		5-36" - Dark gray to black fine SAND; little brick, concrete, wood chips, and coal; no odor or staining; (FILL)	1	1	MACROCORE	55"		0.0	SB-16 0-2 @ 14:30 + SODUP01_0-2
			2					0.0	
		36-55" - Light brown, fine SAND; trace silt; no odor or staining; (SP/SM)	3					0.0	
			4					0.0	
		60-120" - Light brown, fine SAND; trace silt; no odor or staining; (SP/SM)	5	2	MACROCORE	60"		0.0	
			6					0.0	
			7					0.0	
		Saturated at 91.2"	8					0.0	SB_16_7-9 @ 14:50
			9					0.0	
			10					0.0	End of Boring @ 10' HSA to 12' to install well
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-17** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/24/14 / Date Finished: 2/24/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First 8.1 / Completion -- / 24 HR. --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-10" - ASPHALT	0						
		10-46" - Black to dark gray fine SAND; little woodchips and coal fragments; trace brick and concrete; no odor or staining; (FILL)	1	1	MACROCORE	52"		0.0	SB-17_0-2 @ 12:30
			2					0.0	
			3					0.0	
		46-52" - Light brown, fine SAND; trace silt and clay; no odor or staining; (SM/SC)	4					0.0	
		60-120" - Light brown, fine SAND; trace silt and clay; no odor or staining; (SM/SC)	5	2	MACROCORE	60"		0.0	
			6					0.0	
			7					0.0	
		Saturated at 97.2"	8					0.0	SB-17_7-9 @ 12:45
			9					0.0	
			10					0.0	End of boring @ 10' HSA to 13' to install well
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-18** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/25/14 / Date Finished: 2/25/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 15 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First 8.6 / Completion -- / 24 HR. --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-4" - ASPHALT	0						
		4-42" - Light brown, fine SAND; little trace brown concrete, gravel, and coal fragments; no odor or staining; (FILL)	1	1	MACROCORE	48"		0.0	SB-18_0-2 @ 8:45
			2					0.0	
			3					0.0	
		42-48" - Light brown to brown, fine to medium SAND; trace silt; no odor or staining; (SP/SM)	4					0.0	
		60-99" - Light brown to brown, fine to medium SAND; trace silt; no odor or staining; 4" lens of gray to black cinder/ash at 66-72"; (SM)	5	2	MACROCORE	46"		0.0	
			6					0.0	
			7					0.0	
			8					0.0	
		99-106" - Dark brown to black, fine SAND; little trace coal fragments and wood chips; no odor or staining; (FILL) Saturated at 103.2"	9					0.0	SB-18_8-10 @ 8:55
		120-178" - Light brown, medium SAND; trace shell fragments; no odor or staining; saturated; (SP)	10	3	MACROCORE	58"		0.0	
			11					0.0	
			12					0.0	
			13					0.0	
			14					0.0	
			15					0.0	End of boring @ 15' HSA to 15' to install well
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-19** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/26/14 / Date Finished: 2/26/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 15 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First 8.8 / Completion -- / 24 HR. --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-36" - Light brown, fine SAND; trace gravel; trace brick and concrete; no odor or staining; (FILL)	0	1	MACROCORE	36"		0.0	SB-19_0-2 @ 8:45
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
		60-96" - Black to gray, coal; ash/cinders; no odor or staining; (FILL)	5	2	MACROCORE	42"		0.0	Advanced second boring to within 1 foot of initial boring to collect field duplicate sample
			6					0.0	
			7					0.0	
		96-102" - Light brown, fine SAND; little black coal ash; no odor or staining; saturated; (FILL)	8					0.0	SB-19_7-9 @ 8:55 & SODUP02_7-9
		Saturated at 105.6"	9					0.0	
		120-162" - Gray, fine SAND; little ash/cinders; trace glass and brick fragments; no odor or staining; saturated; (FILL)	10	3	MACROCORE	60"		0.0	
			11					0.0	
			12					0.0	
			13					0.0	
		162-180" - Light gray, fine SAND; some silt; trace clay; no odor or staining; (SM)	14					0.0	
			15					0.0	End of boring @ 15' HSA to 15' to install well
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-20** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/27/14 / Date Finished: 2/27/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 15 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 9.2 / Completion ▼ -- / 24 HR. ▼ --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-5" - CONCRETE slab	0						
		5-36" - Light brown to gray, fine to medium SAND; trace gravel, concrete, and coal; no odor or staining; (FILL)	1	1	MACROCORE	36"		0.0	SB-20_0-2 @ 8:40
			2					0.0	
			3					0.0	
			4					0.0	SB-20_3-5_MS/MSD @ 8:45
		60-78" - Light brown to gray, fine to medium SAND; trace gravel, concrete, and coal; no odor or staining; (FILL)	5	2	MACROCORE	48"		0.0	
			6					0.0	
		78-96" - Light brown to gray, fine to medium SAND; 18" lens of ash with coal; no odor or staining; (FILL)	7					0.0	
		96-108" - Light brown to gray, fine to medium SAND; no odor or staining; (FILL)	8					0.0	
		Saturated at 110.4" ▽	9					0.0	SB-20_8-10 @ 8:55
		120-162" - Gray, fine SAND and silt; some clay; no odor or staining; saturated; (SM/SC)	10	3	MACROCORE	52"		0.0	
			11					0.0	
			12					0.0	
			13					0.0	
		162-172" - Gray, fine to medium SAND; little silt; trace clay; (SM)	14					0.0	
			15					0.0	End of boring @ 15' MSA to 15' to install well
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-21** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/25/14 / Date Finished: 2/25/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First 5 / Completion -- / 24 HR. --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-30" - Brown to gray, fine to medium SAND; little concrete, brick, gravel, and wood chips; no odor or staining; (FILL)	0						
			1					0.0	SB-21_0-2 @ 10:35
			2	1	MACROCORE	30"		0.0	
			3					0.0	
			4					0.0	SB-21_3.5-5.5 @ 10:45
		Saturated at 60"	5					0.0	
		60-90" - Fine to coarse SAND; little brick and wood chips; no odor or staining; satutrated; (FILL)	6					0.0	
			7					0.0	
		90-115" - Gray SAND; some silt; trace clay; trace gravel; saturated; (SM/SC)	8	2	MACROCORE	55"		0.0	
			9					0.0	
			10					0.0	End of boring @ 10' HSA to 11' to install well
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-22** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/25/14 / Date Finished: 2/25/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First 6.3 / Completion -- / 24 HR. --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-4" - ASPHALT	0						
		4-28" - Light brown to black, fine to medium SAND; trace brick; trace ceramics, concrete, gravel, and coal; no odor or staining; (FILL)	1	1	MACROCORE	28"		0.0	SB-22_0-2 @ 13:30
			2					0.0	
			3					0.0	
			4					0.0	SB-22_3.5-5.5 @ 13:40
		60-84" - Light brown to black, fine to medium SAND; trace brick; trace ceramics, concrete, gravel, and coal; no odor or staining; (FILL)	5					0.0	
		Saturated at 75.6"	6					0.0	
		84-108" - Light brown, fine to medium SAND; little silt; trace clay, brick, and gravel; no odor or staining; (SM)	7	2	MACROCORE	48"		0.0	SB-22_6-8_MS/MSD @ 13:50 Advanced second boring within 1' of initial boring to collect QA/QC sample
			8					0.0	
			9					0.0	
			10					0.0	End of boring @ 10' HSA to 11' to install well
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-23** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/26/14 / Date Finished: 2/26/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First 7.6 / Completion -- / 24 HR. --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-4" - ASPHALT	0						
		4-42" - Gray to blue, fine to medium SAND; trace gravel, brick, concrete, and ceramics; no odor or staining; (FILL)	1	1	MACROCORE	55"		0.0	SB-23_0-2 @ 11:20
			2					0.0	
			3					0.0	
		42-55" - Black coal/coal ash; no odor or staining; (FILL)	4					0.0	
		60-72" - Gray to blue, fine to medium SAND; trace gravel, brick, concrete, and ceramics; no odor or staining; (FILL)	5	2	MACROCORE	60"		0.0	
		72-90" - Light to dark gray, fine to medium SAND; little brick; trace gravel; (FILL)	6					0.0	
		Saturated at 91.2"	7					0.0	
		90-120" - Dark gray to black, fine SAND; little coal/coal ash; trace glass fragments; no odor or staining; (FILL)	8					0.0	SB-23_6.5-8.5 @ 11:30
			9					0.0	
			10					0.0	End of boring @ 10' MSA to 15' to install well
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-24** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/26/14 / Date Finished: 2/26/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 10 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First 6.4 / Completion -- / 24 HR. --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-40" - Light gray to black, fine to medium SAND; little brick, gravel, and concrete; lens of coal/coal ash at 34-40"; no odor or staining; (FILL)	0	1	MACROCORE	40"		0.0	SB-24_0-2 @ 13:55
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
		60-90" - Dark brown to black, fine to medium SAND; trace gravel and brick; lens of cinders/ash at 60-66"; no odor or staining; moist at 60-66"; (FILL)	5	2	MACROCORE	48"		0.0	
		Saturated at 76.8"	6					0.0	SB-24_5.5-7.5 @ 14:05
			7					0.0	
		90-108" - Dark gray to greenish gray, fine SAND; little silt; trace clay, trace brick, and coal; no odor or staining; saturated; (FILL)	8					0.0	
			9					0.0	
			10					0.0	End of boring at 10' HSA to 15' to install well
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-25** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/24/14 / Date Finished: 2/24/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 15 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First 8 / Completion -- / 24 HR. --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Dual Tube Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-10" - ASPHALT	0						
		10-40" - Dark brown to black, fine to medium SAND; little coal fragments; trace gravel; trace wood; no odor or staining; (FILL)	1	1	MACROCORE	40"		0.0	SB-25_0-2 @ 10:30
			2					0.0	
			3					0.0	
			4					0.0	
		60-70" - Dark brown to black, fine to medium SAND; little coal; trace concrete fragments; no odor or staining; (FILL)	5	2	MACROCORE	10"		0.0	
			6					0.0	Advanced a second boring within 0.5' of initial boring to collect enough soil volume across GW interface for sampling
			7					0.0	
		Saturated at 96"	8					0.0	
			9					0.0	SB-25_8-10 @ 11:00
		120-162" - Dark brown to black, medium to coarse SAND; little coal ash and cinders; trace slag; no odor or staining; saturated; (FILL)	10	3	MACROCORE	48"		0.0	
			11					0.0	
			12					0.0	
			13					0.0	
		162-168" - Dark gray SILT; organic odor; saturated; (ML)	14					0.0	
			15					0.0	End of boring @ 15' HSA to 15' to install well
			16						
			17						
			18						
			19						
			20						

\\LANGAN.COM\DATA\NY\DATA0\170229002\ENGINEERING DATA\ENVIRONMENTAL\FIELD EFFORTS\PHASE 2 REMEDIAL INVESTIGATION\BORING LOGS\GINTLOGS.GPJ ... 3/12/2014 9:49:49 AM ... Report: Log - LANGAN ... Template TEMPLATE.GDT

LANGAN

Log of Boring **SB-26** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Greenpoint, Brooklyn, New York	Elevation and Datum: --
Drilling Company: AARCO	Date Started: 2/27/14 / Date Finished: 2/27/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 15 ft / Rock Depth: --
Size and Type of Bit: --	Number of Samples: Disturbed -- / Undisturbed -- / Core --
Casing Diameter (in): -- / Casing Depth (ft): --	Water Level (ft.): First ▽ 10 / Completion ▼ -- / 24 HR. ▼ --
Casing Hammer: -- / Weight (lbs): -- / Drop (in): --	Drilling Foreman: Charles Blumberg
Sampler: 2" Marco Core Sampler	Inspecting Engineer: Luke McCartney
Sampler Hammer: -- / Weight (lbs): -- / Drop (in): --	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		0-6" - ASPHALT	0						
		6-34" - Light brown, fine to medium SAND; trace coal at 18-24"; trace gravel; no odor or staining; (FILL)	1	1	MACROCORE	34"		0.0	SB-26_0-2 @ 12:30
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
		60-100" - Light brown, fine to medium SAND; trace coal and gravel; no odor or staining; (FILL)	6	2	MACROCORE	40"		0.0	
			7					0.0	
			8					0.0	
			9					0.0	
		Saturated at 120" ▽	10					0.0	SB-26_8.5-10.5 @ 12:40
		120-171" - Light brown, fine to medium SAND; trace coal and gravel; no odor or staining; saturated; (FILL)	11	3	MACROCORE	51"		0.0	
			12					0.0	
			13					0.0	
			14					0.0	
			15					0.0	End of boring @ 15' HSA to 15' to install well
			16						
			17						
			18						
			19						
			20						

APPENDIX F

MONITORING WELL CONSTRUCTION LOGS

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WELL CONSTRUCTION SUMMARY

Well No. MW-16

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Greenpoint, Brooklyn, New York	ELEVATION AND DATUM 8.28' Top of Cover BBHD
DRILLING AGENCY AARCO	DATE STARTED 2/24/2014 / DATE FINISHED 2/24/2014
DRILLING EQUIPMENT Geoprobe 7822DT	DRILLER Charles Blumberg
SIZE AND TYPE OF BIT 4 1/4 " ID Hollow-stem auger	LANGAN REP. Luke McCartney

METHOD OF INSTALLATION

4 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 12' below surface grade. A 2" diameter monitoring well constructed of 8' of 10-slot PVC well screen and 4' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 3' below grade (BG) with #1 sand, to 2' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water had cleared.

TYPE OF CASING SCH. 40 PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite (hydrated)
BOREHOLE DIAMETER 4"		TYPE OF FILTER MATERIAL #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	7.91 BBHD	
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

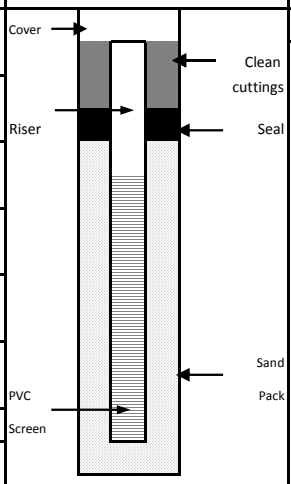
SCREEN LENGTH: 8'

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
0.29	2/24/2014	7.62

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0
	12.0

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WELL CONSTRUCTION SUMMARY

Well No. MW-17

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Greenpoint, Brooklyn, New York	ELEVATION AND DATUM Top of Cover BBHD
DRILLING AGENCY AARCO	DATE STARTED 2/24/2014 DATE FINISHED 2/24/2014
DRILLING EQUIPMENT Geoprobe 7822DT	DRILLER Charles Blumberg
SIZE AND TYPE OF BIT 4 1/4 " ID HSA	LANGAN REP. Luke McCartney

METHOD OF INSTALLATION

4 1/4" hollow-stem augers were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 13' below surface grade. A 2" diameter monitoring well constructed of 9' of 10-slot PVC well screen and 4' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 3' below grade (BG) with #1 sand, to 2' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water had cleared.

TYPE OF CASING SCH. 40 PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite (hydrated)
BOREHOLE DIAMETER 4"		TYPE OF FILTER MATERIAL #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	7.26 BBHD	
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

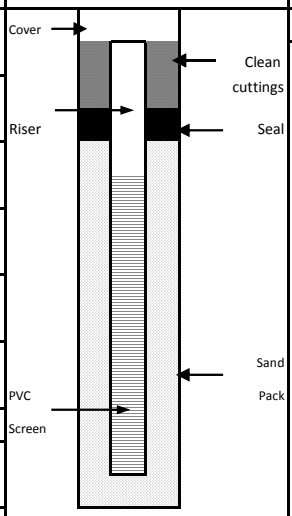
SCREEN LENGTH: 9'

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
	2/24/2014	8.05

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0
	12.0
	13.0

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WELL CONSTRUCTION SUMMARY

Well No. MW-18

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Greenpoint, Brooklyn, New York	ELEVATION AND DATUM 10.39' Top of Cover BBHD
DRILLING AGENCY AARCO	DATE STARTED 2/25/2014 DATE FINISHED 2/25/2014
DRILLING EQUIPMENT Geoprobe 7822DT	DRILLER Charles Blumberg
SIZE AND TYPE OF BIT 4 1/4 " ID Hollow-stem auger (HSA)	LANGAN REP. Luke McCartney

METHOD OF INSTALLATION

4 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 15' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 5' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 3' below grade (BG) with #1 sand, to 2' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water had cleared.

TYPE OF CASING SCH. 40 PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite (hydrated)
BOREHOLE DIAMETER 4"		TYPE OF FILTER MATERIAL #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	9.86 BBHD	
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

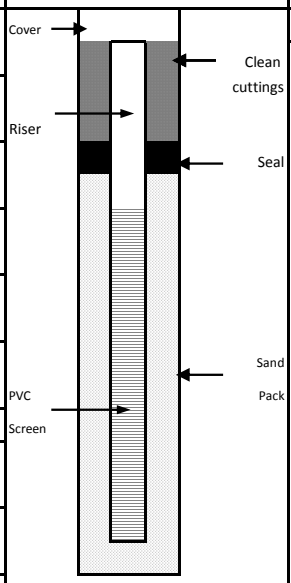
SCREEN LENGTH: 10'

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
1.28	2/26/2014	8.58

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0
	12.0
	13.0
	14.0
	15.0

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WELL CONSTRUCTION SUMMARY

Well No. MW-19

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Greenpoint, Brooklyn, New York	ELEVATION AND DATUM 11.16' Top of Cover BBHD
DRILLING AGENCY AARCO	DATE STARTED 2/26/2014 / DATE FINISHED 2/26/2014
DRILLING EQUIPMENT Geoprobe 7822DT	DRILLER Charles Blumberg
SIZE AND TYPE OF BIT 6 1/4 " ID Hollow-stem auger (HSA)	LANGAN REP. Luke McCartney

METHOD OF INSTALLATION

6 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 15' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 5' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 3' below grade (BG) with #1 sand, to 2' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear.

TYPE OF CASING SCH. 40 PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite (hydrated)
BOREHOLE DIAMETER 6"		TYPE OF FILTER MATERIAL #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	10.45 BBHD	
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

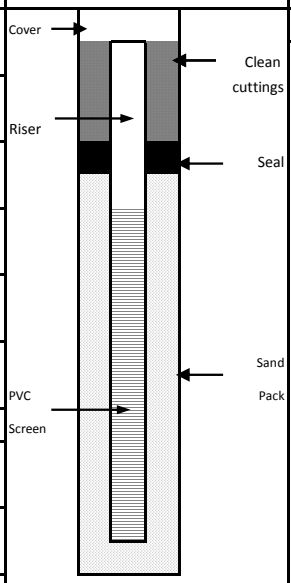
SCREEN LENGTH: 10'

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
1.67	2/27/2014	8.78

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0
	12.0
	13.0
	14.0
	15.0

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WELL CONSTRUCTION SUMMARY

Well No. MW-20

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Greenpoint, Brooklyn, New York	ELEVATION AND DATUM 11.80' Top of Cover BBHD
DRILLING AGENCY AARCO	DATE STARTED 2/27/2014 / DATE FINISHED 2/27/2014
DRILLING EQUIPMENT Geoprobe 7822DT	DRILLER Charles Blumberg
SIZE AND TYPE OF BIT 6 1/4 " ID Hollow-stem auger (HSA)	LANGAN REP. Luke McCartney

METHOD OF INSTALLATION

6 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 15' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 5' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 4' below grade (BG) with #1 sand, to 3' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear.

TYPE OF CASING SCH. 40 PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite (hydrated)
BOREHOLE DIAMETER 6"		TYPE OF FILTER MATERIAL #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	11.43 BBHD	
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

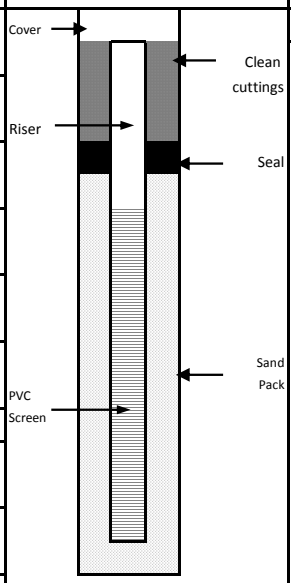
SCREEN LENGTH: 10'

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
2.23	2/27/2014	9.2

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0
	12.0
	13.0
	14.0
	15.0

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WELL CONSTRUCTION SUMMARY

Well No. MW-21

PROJECT Greenpoint Landing	**PROJECT NO.** 170229002
LOCATION Greenpoint, Brooklyn, New York	**ELEVATION AND DATUM** 7.90' Top of Cover BBHD
DRILLING AGENCY AARCO	**DATE STARTED** 2/25/2014 **DATE FINISHED** 2/25/2014
DRILLING EQUIPMENT Geoprobe 7822DT	**DRILLER** Charles Blumberg
SIZE AND TYPE OF BIT 4 1/4 " ID Hollow-stem auger (HSA)	**LANGAN REP.** Luke McCartney

METHOD OF INSTALLATION

4 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 11' below surface grade. A 2" diameter monitoring well constructed of 7' of 10-slot PVC well screen and 4' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 3' below grade (BG) with #1 sand, to 2' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

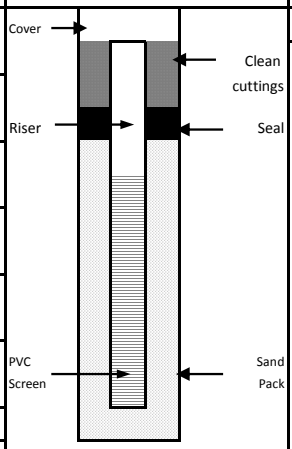
METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear.

TYPE OF CASING SCH. 40 PVC	**DIAMETER** 2"	**TYPE OF BACKFILL MATERIAL** Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	**DIAMETER** 2"	**TYPE OF SEAL MATERIAL** Bentonite (hydrated)
BOREHOLE DIAMETER 4"		**TYPE OF FILTER MATERIAL** #1 sand

TOP OF CASING	**ELEVATION** 7.38 BBHD	**DEPTH (ft)**
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
SCREEN LENGTH 7'		
SLOT SIZE 10-slot		

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
	2/25/2014	4.98'
	2/26/2014	5.52

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WELL CONSTRUCTION SUMMARY

Well No. MW-22

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Greenpoint, Brooklyn, New York	ELEVATION AND DATUM
DRILLING AGENCY AARCO	DATE STARTED 2/25/2014 DATE FINISHED 2/25/2014
DRILLING EQUIPMENT Geoprobe 7822DT	DRILLER Charles Blumberg
SIZE AND TYPE OF BIT 4 1/4 " ID Hollow-stem auger (HSA)	LANGAN REP. Luke McCartney

METHOD OF INSTALLATION

4 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 11' below surface grade. A 2" diameter monitoring well constructed of 7' of 10-slot PVC well screen and 4' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 3' below grade (BG) with #1 sand, to 2' BG with hydrated bentonite. The borehole was filled to aabout 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear.

TYPE OF CASING: SCH. 40 PVC — DIAMETER: 2"	TYPE OF BACKFILL MATERIAL Clean cuttings
TYPE OF SCREEN: 10-slot SCH. 40 PVC — DIAMETER: 2"	TYPE OF SEAL MATERIAL Bentonite (hydrated)
BOREHOLE DIAMETER 4"	TYPE OF FILTER MATERIAL #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	7.04	BBHD
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

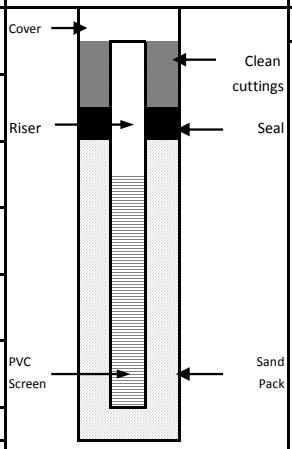
SCREEN LENGTH: 7'

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
0.71	2/26/2014	6.33

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
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	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. MW-23

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Greenpoint, Brooklyn, New York	ELEVATION AND DATUM 9.17' Top of Cover BBHD
DRILLING AGENCY AARCO	DATE STARTED 2/26/2014 / DATE FINISHED 2/26/2014
DRILLING EQUIPMENT Geoprobe 7822DT	DRILLER Charles Blumberg
SIZE AND TYPE OF BIT 6 1/4 " ID Hollow-stem auger (HSA)	LANGAN REP. Luke McCartney

METHOD OF INSTALLATION

6 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 15' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 5' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 4' below grade (BG) with #1 sand, to 3' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear.

TYPE OF CASING SCH. 40 PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite (hydrated)
BOREHOLE DIAMETER 6"		TYPE OF FILTER MATERIAL #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	N/A	
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

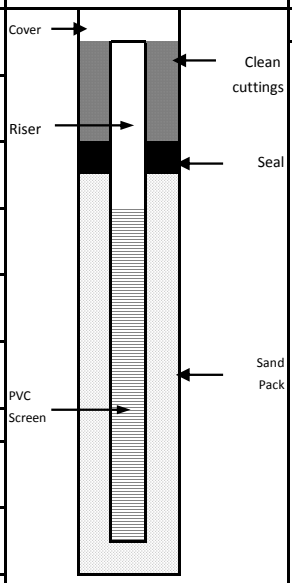
SCREEN LENGTH: 10'

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
	2/26/2014	7.6'

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0
	12.0
	13.0
	14.0
	15.0

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. MW-24

PROJECT Greenpoint Landing	**PROJECT NO.** 170229002
LOCATION Greenpoint, Brooklyn, New York	**ELEVATION AND DATUM** 8.58' Top of Cover BBHD
DRILLING AGENCY AARCO	**DATE STARTED** 2/26/2014 **DATE FINISHED** 2/26/2014
DRILLING EQUIPMENT Geoprobe 7822DT	**DRILLER** Charles Blumberg
SIZE AND TYPE OF BIT 6 1/4 " ID Hollow-stem auger (HSA)	**LANGAN REP.** Luke McCartney

METHOD OF INSTALLATION

6 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 15' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 5' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 4' below grade (BG) with #1 sand, to 3' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear.

TYPE OF CASING SCH. 40 PVC	**DIAMETER** 2"	**TYPE OF BACKFILL MATERIAL** Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	**DIAMETER** 2"	**TYPE OF SEAL MATERIAL** Bentonite (hydrated)
BOREHOLE DIAMETER 6"		**TYPE OF FILTER MATERIAL** #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	8.21 BBHD	
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

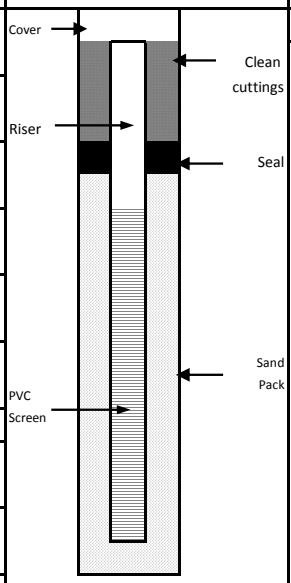
SCREEN LENGTH
10'

SLOT SIZE
10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
1.77	2/27/2014	6.44

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0
	12.0
	13.0
	14.0
	15.0

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WELL CONSTRUCTION SUMMARY

Well No. MW-25

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Greenpoint, Brooklyn, New York	ELEVATION AND DATUM 6.39' Top of Cover BBHD
DRILLING AGENCY AARCO	DATE STARTED 2/24/2014 / DATE FINISHED 2/24/2014
DRILLING EQUIPMENT Geoprobe 7822DT	DRILLER Charles Blumberg
SIZE AND TYPE OF BIT 4 1/4 " ID Hollow-stem auger (HSA)	LANGAN REP. Luke McCartney

METHOD OF INSTALLATION

4 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 15' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 5' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 4' below grade (BG) with #1 sand, to 3' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear.

TYPE OF CASING SCH. 40 PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite (hydrated)
BOREHOLE DIAMETER 4"		TYPE OF FILTER MATERIAL #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	5.97 BBHD	
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

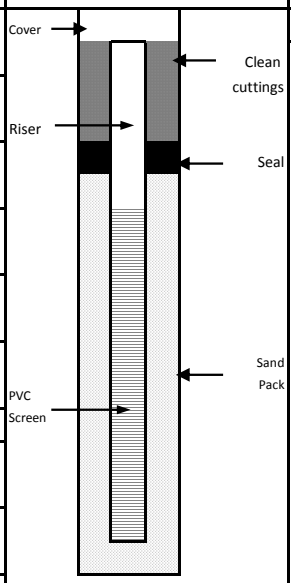
SCREEN LENGTH: 10'

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
-1.98	2/24/2014	7.95

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0
	12.0
	13.0
	14.0
	15.0

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. MW-26

PROJECT Greenpoint Landing	PROJECT NO. 170229002
LOCATION Greenpoint, Brooklyn, New York	ELEVATION AND DATUM 11.97' Top of Cover BBHD
DRILLING AGENCY AARCO	DATE STARTED 2/27/2014 / DATE FINISHED 2/27/2014
DRILLING EQUIPMENT Geoprobe 7822DT	DRILLER Charles Blumberg
SIZE AND TYPE OF BIT 6 1/4 " ID Hollow-stem auger (HSA)	LANGAN REP. Luke McCartney

METHOD OF INSTALLATION

6 1/4" HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 15' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 5' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 4' below grade (BG) with #1 sand, to 3' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A surge block with 5/8" diameter tubing was first used to remove sediment from the bottom of the well. Following surging, a 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear.

TYPE OF CASING SCH. 40 PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite (hydrated)
BOREHOLE DIAMETER 6"		TYPE OF FILTER MATERIAL #1 sand

	ELEVATION	DEPTH (ft)
TOP OF CASING	11.44 BBHD	
TOP OF SEAL		
TOP OF FILTER		
TOP OF SCREEN		
BOTTOM OF BORING		

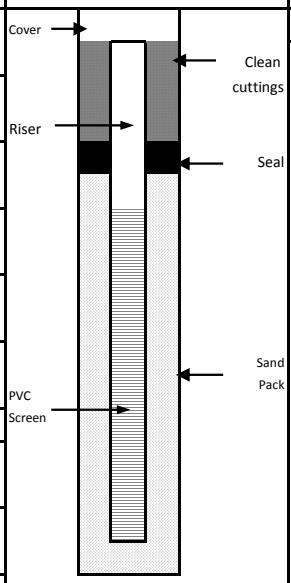
SCREEN LENGTH: 10'

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
1.4	2/27/2014	10.04

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
	1.0
	2.0
	3.0
	4.0
	5.0
	6.0
	7.0
	8.0
	9.0
	10.0
	11.0
	12.0
	13.0
	14.0
	15.0

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APPENDIX G

MONITORING WELL SAMPLING LOGS

MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW10**	**Job No. 17029902**
Date: 3/7/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW10_030714
Well Depth (ft)	14
Screened Interval (ft)	10 (4 to 14 ft BTOC)
Casing Elevation (ft BBHD)	6.62
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.41
Water Elevation (ft BBHD)	-0.79
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.02
Start Purge Time	9:35 AM
End Purge Time	10:30 AM
Volume Purged (gal)	1.1

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	10:30 AM
End Sampling Time	N/A
Depth Before Sampling (ft)	7.75
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
9:35 AM	6.99	1.826	172.1	2.86	9.37	-86.4	7.40	-
9:40 AM	6.92	1.812	172.3	3.59	10.14	-90.4	-	-
9:45 AM	7.01	1.846	149.8	3.74	9.71	-86.9	7.66	-
9:50 AM	6.99	1.882	119.0	3.94	8.75	-89.1	7.65	-
9:55 AM	6.98	1.854	108.7	4.74	8.34	-89	7.65	-
10:00 AM	6.98	1.862	93.4	5.15	7.85	-88.3	7.65	-
10:05 AM	6.96	1.852	81.7	5.15	7.07	-79.6	7.55	-
10:10 AM	6.97	1.844	78.4	4.68	8.73	-87.8	7.65	-
10:15 AM	6.98	1.835	61.4	4.27	9.59	-89.1	7.65	-
10:20 AM	6.97	1.818	44.8	4.30	11.08	-92.8	7.70	-
10:25 AM	6.97	1.843	36.0	5.49	10.13	-93.8	7.75	-
10:30 AM	6.97	1.839	33.6	5.83	10.18	-94.9	7.75	1.10

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW13A**	**Job No. 17029902**
Date: 3/11/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-13A_031114
Well Depth (ft)	12
Screened Interval (ft)	10 (2 to 12 ft BTOC)
Casing Elevation (ft BBHD)	6.56
Casing Diameter (in)	2
Initial Depth to Water (ft)	6.32
Water Elevation (ft BBHD)	0.24
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.05
Start Purge Time	1:30 PM
End Purge Time	2:00 PM
Volume Purged (gal)	1.5

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	2:00 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	6.62
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
1:30 PM	6.29	6.743	171.4	0.98	14.56	40.9	6.42	-
1:35 PM	6.23	6.741	75.4	0.44	12.06	61.4	6.67	-
1:40 PM	6.18	6.762	23.4	0.72	11.18	71.6	6.65	-
1:45 PM	6.26	6.256	7.8	0.24	11.36	-18.6	6.63	-
1:50 PM	6.27	6.227	4.9	0.24	11.34	-20.2	6.62	-
1:55 PM	6.26	6.222	4.5	0.28	11.32	-21.4	6.62	-
2:00 PM	6.26	6.219	4.3	0.30	11.33	-22.1	6.12	1.50

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW14**	**Job No. 17029902**
Date: 3/10/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-14_031014
Well Depth (ft)	14
Screened Interval (ft)	10 (4 to 14 ft BTOC)
Casing Elevation (ft BBHD)	10.23
Casing Diameter (in)	2
Initial Depth to Water (ft)	9.05
Water Elevation (ft BBHD)	1.18
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.0875
Start Purge Time	1:45 PM
End Purge Time	2:40 PM
Volume Purged (gal)	3.5

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	2:40 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	9.1
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
1:45 PM	6.52	1.077	55.0	5.09	12.71	-64.4	9.10	-
1:50 PM	6.46	0.998	61.1	9.75	13.47	-64.7	9.13	-
1:55 PM	6.34	0.935	10.4	15.79	13.31	-70.8	9.20	-
2:05 PM	6.42	0.940	8.5	9.85	13.08	-59.1	-	-
2:10 PM	6.45	0.932	4.9	9.37	13.34	-59.8	9.10	2.00
2:15 PM	6.33	0.929	1.8	12.86	13.36	-57.5	9.10	-
2:20 PM	6.37	0.921	15.9	10.18	13.36	-57.8	9.10	-
2:25 PM	6.38	0.923	6.8	16.59	13.64	-58.7	9.10	-
2:30 PM	6.37	0.927	-0.1	18.65	13.93	-58.0	9.10	-
2:35 PM	6.37	0.929	-1.0	18.74	13.90	-62.4	9.10	-
2:40 PM	6.37	0.929	-1.5	18.30	13.77	-64.2	9.10	3.50

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-16**	**Job No. 17029902**
Date: 3/7/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW16_030714
Well Depth (ft)	12
Screened Interval (ft)	8 (4 to 12 ft BTOC)
Casing Elevation (ft BBHD)	7.91
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.48
Water Elevation (ft BBHD)	0.43
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.01
Start Purge Time	11:45 AM
End Purge Time	12:45 PM
Volume Purged (gal)	0.6

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	12:45 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	8.15
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
11:45 AM	6.80	1.700	1100.0	6.31	9.02	-62.6	7.80	-
11:50 AM	6.58	1.686	1107.0	4.33	9.37	-57.2	7.85	-
11:55 AM	6.61	1.677	747.0	4.17	9.65	-49.1	7.87	-
12:00 PM	6.50	1.683	524.0	4.14	10.12	-46.3	8.00	0.25
12:05 PM	6.51	1.701	257.0	4.82	10.43	-45.2	8.02	-
12:10 PM	6.52	1.706	200.6	5.27	10.68	-44.9	8.04	-
12:15 PM	6.50	1.710	125.9	5.03	11.00	-47.3	8.05	0.40
12:20 PM	6.47	1.713	71.3	5.03	10.90	-47.9	8.09	-
12:30 PM	6.47	1.702	44.7	5.52	10.45	-43.2	-	-
12:35 PM	6.44	1.686	38.4	4.69	10.98	-44.1	8.14	-
12:40 PM	6.44	1.708	36.5	4.79	9.77	-45.4	-	-
12:45 PM	6.44	1.691	35.4	4.81	9.87	-44.8	8.15	0.60

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-17**	**Job No. 17029902**
Date: 3/6/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-17
Well Depth (ft)	13
Screened Interval (ft)	9 (4 to 13 ft BTOC)
Casing Elevation (ft BBHD)	7.26
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.49
Water Elevation (ft BBHD)	-0.23
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.04
Start Purge Time	2:50 PM
End Purge Time	3:20 PM
Volume Purged (gal)	1.2

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	3:20 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	9.5
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
2:50 PM	6.70	4.651	37.2	2.46	10.59	19.3	7.48	-
2:55 PM	6.69	11.310	52.7	1.15	11.31	0.3	8.16	-
3:00 PM	6.64	10.180	42.8	1.49	10.18	10.3	8.34	-
3:05 PM	6.59	9.990	35.9	1.44	9.99	13.8	8.57	0.90
3:10 PM	6.57	9.250	34.5	1.43	9.25	14.1	8.67	-
3:15 PM	6.53	8.590	32.0	1.43	8.59	12.4	8.76	1.15
3:20 PM	6.54	7.920	30.8	1.31	7.92	4.2	9.50	1.20

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-18**	**Job No. 17029902**
Date: 3/17/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-18_031014
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft BBHD)	9.86
Casing Diameter (in)	2
Initial Depth to Water (ft)	8.73
Water Elevation (ft BBHD)	1.13
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.04
Start Purge Time	11:55 AM
End Purge Time	12:30 PM
Volume Purged (gal)	2.25

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	12:30 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	8.86
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
11:35 AM	6.56	3.336	304.6	2.85	11.91	-1.6	8.75	-
11:40 AM	6.57	3.345	434.2	2.13	11.82	5.7	8.76	-
11:45 AM	6.45	3.291	440.2	1.57	13.18	12.7	8.80	-
11:50 AM	6.41	3.384	353.7	1.06	13.82	9.1	8.85	-
11:55 AM	6.45	3.432	210.9	0.95	13.64	5.7	8.85	-
12:00 PM	6.15	3.417	112.0	0.72	13.76	0.2	8.86	1.00
12:05 PM	6.35	3.407	73.0	0.63	13.67	-0.6	8.86	-
12:10 PM	6.35	3.412	45.1	0.52	13.63	-3.8	8.87	-
12:15 PM	6.29	3.409	30.8	0.61	13.21	-3.5	8.86	-
12:20 PM	6.31	3.405	17.3	0.46	13.65	-7.3	8.86	2.00
12:25 PM	6.30	3.401	13.0	0.44	13.70	-8.9	8.86	-
12:30 PM	6.32	3.338	10.0	0.38	13.81	-9.2	8.86	2.25

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-19**	**Job No. 17029902**
Date: 3/7/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW19_030714
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft BBHD)	10.45
Casing Diameter (in)	2
Initial Depth to Water (ft)	9
Water Elevation (ft BBHD)	1.45
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.04
Start Purge Time	3:45 PM
End Purge Time	4:35 PM
Volume Purged (gal)	2

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	4:35 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	10.55
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
3:45 PM	6.58	1.799	244.2	9.92	8.38	-59.7	9.10	-
3:50 PM	6.37	1.724	369.5	4.83	10.36	-70.9	9.20	-
3:55 PM	6.33	1.735	463.2	5.82	10.72	-69.7	9.25	-
4:00 PM	6.23	1.733	436.0	6.61	10.38	-64.6	9.28	0.75
4:05 PM	6.41	1.711	343.0	6.64	10.62	-68.6	9.28	-
4:10 PM	6.43	1.723	219.5	4.86	10.91	-94.5	10.48	-
4:15 PM	6.49	1.588	87.4	4.73	11.70	-91.6	10.50	-
4:20 PM	6.49	1.614	53.1	4.49	11.75	-89.1	10.53	-
4:25 PM	6.46	1.648	22.5	4.98	11.73	-83.4	10.55	-
4:30 PM	6.46	1.646	12.3	4.63	11.74	-81.5	10.56	-
4:35 PM	6.44	1.640	4.9	4.61	11.81	-81.6	10.58	2.00

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-20**	**Job No. 17029902**
Date: 3/7/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW20_030714
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft BBHD)	11.43
Casing Diameter (in)	2
Initial Depth to Water (ft)	9.51
Water Elevation (ft BBHD)	1.92
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.067
Start Purge Time	3:00 PM
End Purge Time	3:30 PM
Volume Purged (gal)	2

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	3:30 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	10.29
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
3:00 PM	6.38	3.001	191.5	2.94	11.10	70.7	9.70	-
3:05 PM	6.26	3.046	233.8	6.18	12.26	55.5	10.00	0.50
3:10 PM	6.27	3.006	84.8	4.47	12.32	56.2	10.25	-
3:15 PM	6.30	2.976	42.9	4.4	12.54	39.6	10.26	-
3:20 PM	6.30	2.979	17.3	4.84	12.78	30.1	10.29	-
3:25 PM	6.30	2.989	8.4	4.32	12.92	25.3	10.28	-
3:30 PM	6.28	3.025	4.9	4.21	12.93	25.3	10.29	2.00

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-21**	**Job No. 17029902**
Date: 3/11/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-21_031114
Well Depth (ft)	11
Screened Interval (ft)	11 (4 to 11 ft BTOC)
Casing Elevation (ft BBHD)	7.38
Casing Diameter (in)	2
Initial Depth to Water (ft)	6.67
Water Elevation (ft BBHD)	-
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.05
Start Purge Time	9:45 AM
End Purge Time	10:30 AM
Volume Purged (gal)	2.25

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	10:30 AM
End Sampling Time	N/A
Depth Before Sampling (ft)	6.8
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
9:45 AM	7.23	1.416	135.1	2.819	11.83	-64.1	6.75	-
9:50 AM	6.89	1.401	595.0	0.76	12.02	-62.4	6.85	-
9:55 AM	6.85	1.427	560.1	0.81	12.19	-63.5	6.80	-
10:00 AM	6.83	1.488	354.7	0.89	12.31	-64.3	-	-
10:05 AM	6.75	1.817	157.2	0.78	12.19	-74.9	6.83	1.00
10:10 AM	6.70	2.080	81.3	0.77	12.22	-76.2	6.83	-
10:15 AM	6.67	2.179	62.7	0.75	12.27	-77.5	6.80	-
10:20 AM	6.67	2.225	55.8	0.79	12.37	-77.6	6.80	-
10:25 AM	6.67	2.250	50.8	0.8	12.41	-78.8	6.80	-
10:30 AM	6.66	2.281	48.1	0.83	12.37	-78.5	6.80	2.25

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-22**	**Job No. 17029902**
Date: 3/11/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-22_031114
Well Depth (ft)	11
Screened Interval (ft)	11 (4 to 11 ft BTOC)
Casing Elevation (ft BBHD)	7.04
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.38
Water Elevation (ft BBHD)	-0.34
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.036
Start Purge Time	11:00 AM
End Purge Time	11:45 AM
Volume Purged (gal)	1.6

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	11:45 AM
End Sampling Time	N/A
Depth Before Sampling (ft)	7.62
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
11:00 AM	6.37	2.523	193.5	1.71	13.56	0.1	7.45	-
11:05 AM	6.49	2.535	1340.0	1.53	12.58	43.7	7.48	-
11:10 AM	6.44	2.533	820.0	1.98	13.56	35.7	-	-
11:15 AM	6.53	2.528	621.0	2.46	13.87	40.6	-	-
11:20 AM	6.57	2.524	461.0	2.77	14.38	43.8	7.57	-
11:25 AM	6.59	2.515	250.0	3.2	14.60	45.3	-	-
11:30 AM	6.58	2.514	120.0	3.2	14.86	45.8	7.60	-
11:35 AM	6.59	2.496	116.0	3.37	14.74	45.4	-	-
11:40 AM	6.59	2.491	121.0	3.39	15.06	49.8	7.62	1.50
11:45 AM	6.61	2.489	117.0	3.41	15.10	44.9	-	1.60

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-23**	**Job No. 17029902**
Date: 3/10/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-23_0301014
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft BBHD)	-
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.4
Water Elevation (ft BBHD)	-
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.069
Start Purge Time	10:25 AM
End Purge Time	11:10 AM
Volume Purged (gal)	2.75

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	11:10 AM
End Sampling Time	N/A
Depth Before Sampling (ft)	7.51
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
10:25 AM	5.96	3.296	365.1	2.68	11.41	-50.9	7.43	-
10:30 AM	6.22	3.312	494.6	1.36	12.48	-54.9	7.47	-
10:35 AM	6.26	3.332	341.5	1.22	12.44	-56.4	7.49	0.75
10:40 AM	6.17	3.335	215.7	1.11	12.34	-57.3	7.49	-
10:45 AM	6.31	3.348	115.7	1.01	12.18	-60.4	7.49	-
10:50 AM	6.30	3.332	48.8	0.70	12.61	-65.0	7.51	2.00
11:00 AM	6.16	3.344	22.8	0.64	12.47	-66.7	7.51	-
11:05 AM	6.21	3.346	9.4	0.44	12.66	-72.8	7.59	-
11:10 AM	6.26	3.470	4.9	0.40	12.63	-73.4	7.51	2.75

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-24**	**Job No. 17029902**
Date: 3/11/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-24_031114
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft BBHD)	8.21
Casing Diameter (in)	2
Initial Depth to Water (ft)	7
Water Elevation (ft BBHD)	1.21
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.0875
Start Purge Time	2:45 PM
End Purge Time	3:25 PM
Volume Purged (gal)	3.5

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	3:25 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	7.03
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
2:45 PM	6.71	3.364	1127.0	0.43	11.63	-60.1	7.04	-
2:50 PM	6.65	3.212	645.7	0.37	11.28	-57.8	7.03	-
2:55 PM	6.64	3.223	209.9	0.35	11.12	-57.6	7.03	-
3:00 PM	6.64	3.217	74.9	0.39	11.12	-59.1	7.03	-
3:05 PM	6.63	3.218	35.1	0.43	11.00	-61.1	7.03	-
3:10 PM	6.63	3.215	13.4	0.49	10.99	-61.6	7.03	-
3:15 PM	6.63	3.212	4.4	0.55	10.94	-61.0	7.03	-
3:20 PM	6.63	3.211	4.1	0.56	10.95	-60.9	7.03	-
3:25 PM	6.63	3.212	3.8	0.58	10.96	-61.7	7.03	3.50

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-25**	**Job No. 17029902**
Date: 3/6/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-25
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft BBHD)	5.97
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.02
Water Elevation (ft BBHD)	-1.05
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.1
Start Purge Time	2:00 PM
End Purge Time	2:30 PM
Volume Purged (gal)	3

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	2:30 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	6.87
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
2:00 PM	6.80	29.040	12.5	251.7	7.29	251.7	6.90	-
2:05 PM	7.07	25.470	12.0	240.3	7.18	240.3	-	-
2:10 PM	6.88	29.490	6.9	225	7.35	225	6.89	-
2:15 PM	6.89	29.390	0.4	208.7	7.64	208.7	6.89	-
2:20 PM	6.89	29.520	-0.5	189	6.95	189	-	-
2:25 PM	6.87	29.540	-2.7	186.5	6.89	186.5	6.87	-
2:30 PM	6.87	29.520	-2.7	185.3	6.81	185.3	6.87	3.00

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-26**	**Job No. 17029902**
Date: 3/7/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW26_030714
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft BBHD)	11.44
Casing Diameter (in)	2
Initial Depth to Water (ft)	10.1
Water Elevation (ft BBHD)	1.34
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.071
Start Purge Time	1:40 PM
End Purge Time	2:15 PM
Volume Purged (gal)	2.5

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	2:15 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	10.2
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
1:40 PM	7.46	0.737	1439.0	7.52	9.88	58.3	10.10	-
1:45 PM	7.52	0.729	1436.0	6.90	9.77	69.0	10.10	-
1:50 PM	7.17	0.753	257.4	4.59	12.45	74.7	10.15	-
1:55 PM	7.19	0.791	64.3	2.87	12.42	74.7	10.15	1.50
2:00 PM	7.18	0.804	27.8	2.55	12.47	72.3	10.15	-
2:05 PM	7.18	0.815	12.3	2.41	12.47	72.7	10.15	-
2:10 PM	7.16	0.837	7.2	2.41	12.63	72.9	10.19	-
2:15 PM	7.14	0.859	-0.2	2.47	12.71	69.4	10.20	2.50

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-28**	**Job No. 17029902**
Date: 3/10/14	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-28_031014
Well Depth (ft)	20
Screened Interval (ft)	10 (10 to 20 ft BTOC)
Casing Elevation (ft BBHD)	8.95
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.5
Water Elevation (ft BBHD)	-
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.057
Start Purge Time	3:30 PM
End Purge Time	4:05 PM
Volume Purged (gal)	2

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	4:05 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	7.5
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
3:30 PM	6.36	2.948	990.1	4.04	12.65	-52.9	7.50	-
3:35 PM	2.25	3.362	771.3	8.04	12.79	-69.1	7.50	-
3:40 PM	2.23	3.442	218.2	7.81	12.83	-74.3	7.50	-
3:45 PM	2.25	3.526	52.8	7.42	12.95	-83	7.50	-
3:50 PM	6.25	3.552	22.4	7.38	12.98	-86.4	7.50	-
3:55 PM	6.24	3.561	11.8	7.34	12.93	-87.1	7.50	-
4:00 PM	6.25	3.588	8.8	7.25	12.91	-88.4	7.50	-
4:05 PM	6.25	3.567	4.7	7.01	12.94	-90.8	7.50	2.00

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

APPENDIX H

GEOPHYSICAL SURVEY REPORT

GEOPHYSICAL ENGINEERING SURVEY REPORT

"GREENPOINT LANDING"
COMMERCIAL PROPERTIES

@ Franklin Street & Commercial Street,
Brooklyn, New York 11222

NOVA PROJECT NUMBER
13-0746

DATED
September 23, 2013

PREPARED FOR:
LANGAN
21 Penn Plaza –
360 West 31st Street
New York, NY 10001

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions

56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

September 23, 2013

Greg Wyka, PG
Senior Geologist
LANGAN
21 Penn Plaza □
360 West 31st Street
New York, NY 10001
Direct: 212.479.5476
Mobile: 347.267.2679
Email: gwyka□ langan.com

Re: Geophysical Survey Report
Greenpoint Landing
□ Franklin Street □ Commercial Street
Brooklyn, New York 11222

Dear Mr. Wyka:

Nova Geophysical Services □NOVA□is pleased to provide □indings o□our geophysical survey at the above re□erenced pro□ect site located at 171 West Street □ Franklin Street □ Commercial Street, Brooklyn, New York □the □Sites□□. Please see attached Geophysical Survey map □or more details.

INTRODUCTION TO GEOPHYSICAL SURVEY

NOVA per□ormed a Geophysical survey consisting o□ Ground Penetrating Radar □GPR□, Electromagnetic □EM□ surveys and comprehensive subsur□ace utility □CSUL□ surveys at the pro□ect Site. The purpose o□this survey is to identi□y any underground storage tanks □USTs□, anomalies, and subsur□ace structures located at the pro□ect site on September 11th, 12th □ 13th, 2013.

The e□uipment selected □or this investigation will be included a CSUL Pipe and Cable Locator □a magnetic detector□, Ditch-Witch utility locator, Electromagnetic detector □Geonics EM61□, So□tware and Sensor□s 250 MHz ground-penetrating radar □GPR□.

A GPR system consists o□a radar control unit, control cable and a transducer □antenna□. The control unit transmits a trigger pulse at a normal repetition rate o□250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics ampli□y the trigger pulses into bipolar pulses that are radiated to the sur□ace. The trans□ormed pulses vary in shape and □re□uency according to the transducer used. In the subsur□ace, variations o□the signal occur at boundaries where there is a dielectric contrast □void, steel, soil type, etc.□. Signal re□lections travel back to the control unit and are represented as color graphic images □or interpolation.

GEOPHYSICAL METHODS

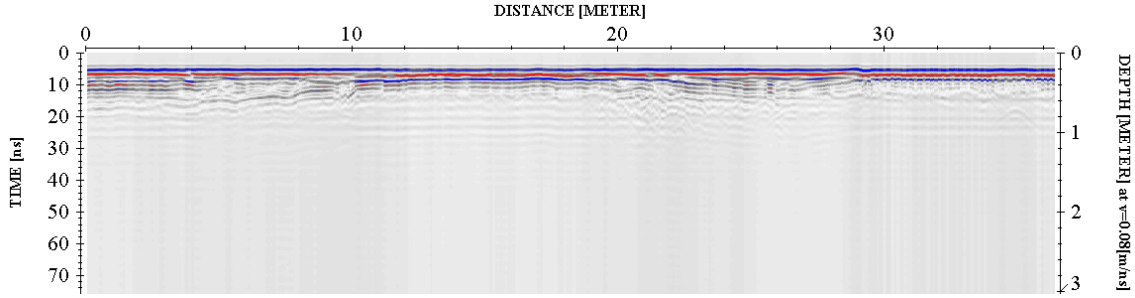
The pro□ect site was screened using the GPR by carrying the instrument over the pro□ect area at the site in 3□□ 3□traverses. When evidence o□anomalies were observed, they were clearly marked □or □urther evaluation. A Ditch-witch□tm□utility locator would then be used to determine i□ the anomalies were utilities or other large sub-sur□ace metal ob□ects. Finally, GPR pro□iles were collected over each metal-detector anomaly and inspected □or re□lections, which could be indicative o□ma□or anomalies.

GPR data pro□iles were collected □or the areas o□the Site speci□ied by the client. The surveyed area consisted o□paved areas with asphalt and concrete.

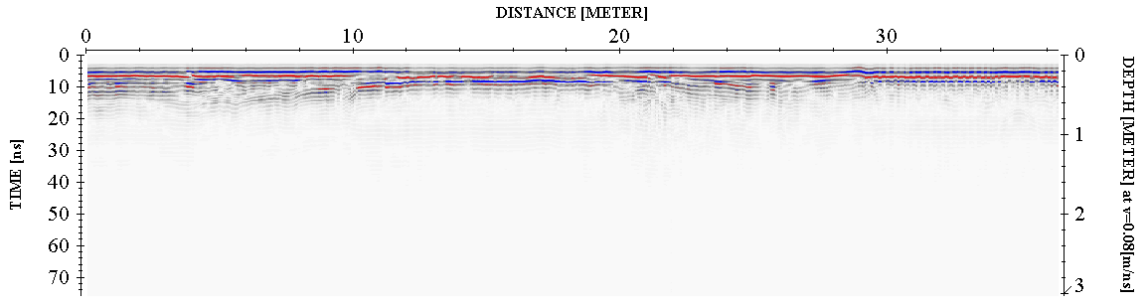
DATA PROCESSING

In order to improve the □uality o□the results and to better identi□y subsur□ace anomalies NOVA processed the collected data. The processes □ow is brie□ly described at this section.

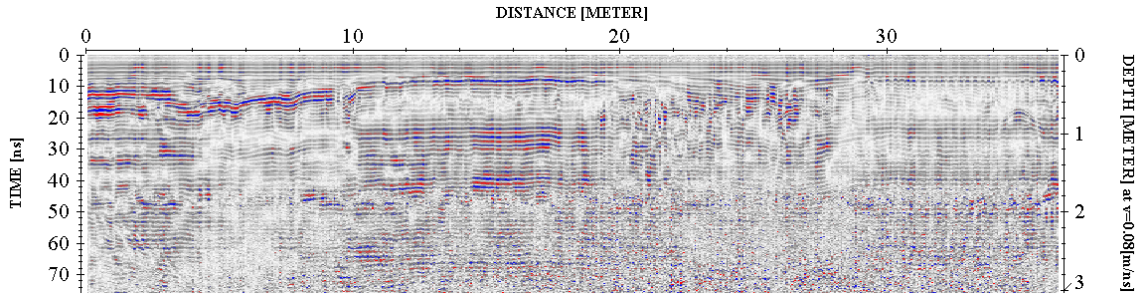
Step 1. Import raw RAMAC data to standard processing □ormat



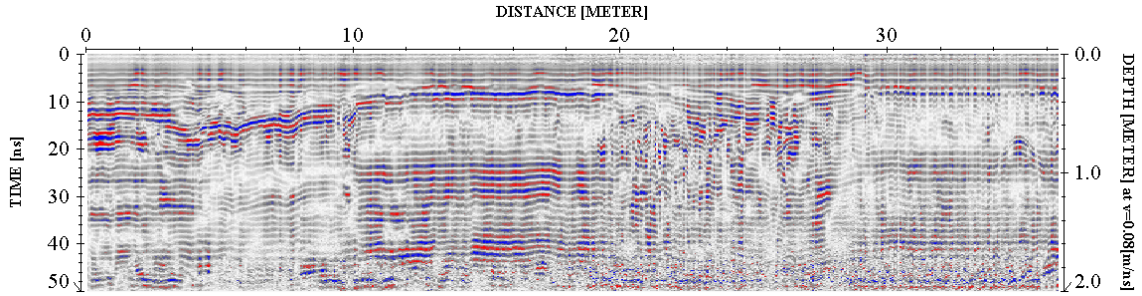
Step 2. Remove instrument noise *(dewow)*



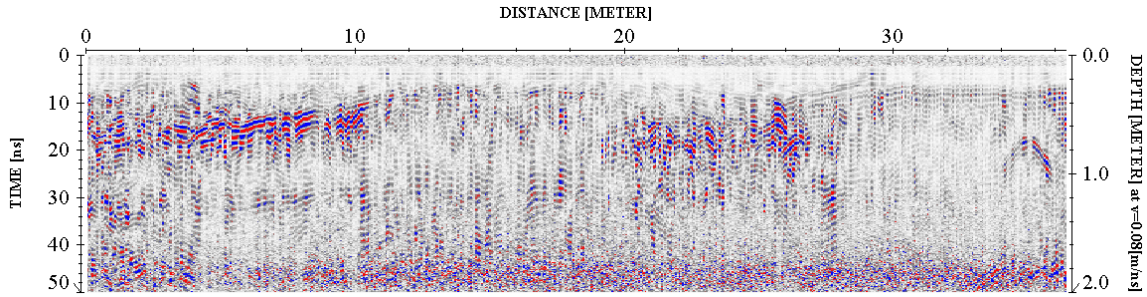
Step 3. Correct □or attenuation losses *(energy decay function)*



Step 4. Remove static □rom bottom o□pro□ile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above e□ample shows the signi□icance o□data processing. The last image □step 5□has higher resolution than the starting image □raw data □ step 1□and describes the subsur□ace anomalies more accurately.

PHYSICAL SETTINGS

Nova observed □ollowing physical conditions at the time o□the survey:

The weather: Mostly sunny
Temp: 78, 75 □ 77 degrees
Surface: Paved with Asphalt □ Concrete.
Geophysical Noise Level (GNL): Geophysical Noise Level □GNL□was low to medium due to surrounding urban setting at the time o□the survey.

RESULTS

The results o□the geophysical survey identi□ied □ollowing at the pro□ect Site:

- Geophysical survey identi□ied a continuous anomaly along the center o□the parcel G o□ the pro□ect site running □rom southeast to northwest. Based on its re□lection rate and pro□imity, this anomaly was consistent with steel pipe located appro□imately 2 to 3 □eet below ground sur□ace □bgs□.

- Geophysical survey identi□ied scattered and minor anomalies consistent with unsettled sediments □with high density□ such as □ill materials with concrete blocks, and bricks located appro□imately 5 to 8 □eet bgs located throughout o□the pro□ect site.

- Geophysical survey identi□ied minor anomalies located throughout o□the pro□ect areas. None o□ these anomalies were consistent with any ma□or subsur□ace USTs or other structures.

- Geophysical survey identi□ied scattered linear anomalies on the western part o□Parcel F □ G. However, due to e□isting metal □ence and other metallic setting □Geophysical noises□ within the water □ront o□the pro□ect area, made NOVA unable to obtain data to analyze.

- Geophysical survey identi□ied continuous anomalies along the northern portion o□the parcel D1 o□the pro□ect site running □rom east to west. Based on their re□lection rates and pro□imity, these anomalies were consistent with steel pipes located appro□imately 2 to 3 □eet below ground sur□ace □bgs□.

- Geophysical survey identi□ied number o□e□isting monitoring wells located throughout o□ the pro□ect site. All o□the identi□ied monitoring wells were clearly marked during the □ield survey.

- Geophysical Survey Plan portrays the areas investigated during the geophysical survey.

I□you have any □uestions please do not hesitate to contact the undersigned.
Sincerely,

NOVA Geophysical Services

Levent Eskicakit, P.G., E.P.
Pro□ect Engineer

Attachments:

Figure 1 Site Location Map
Geophysical Survey Plan
Geophysical Survey Images
GPR □ EM Images

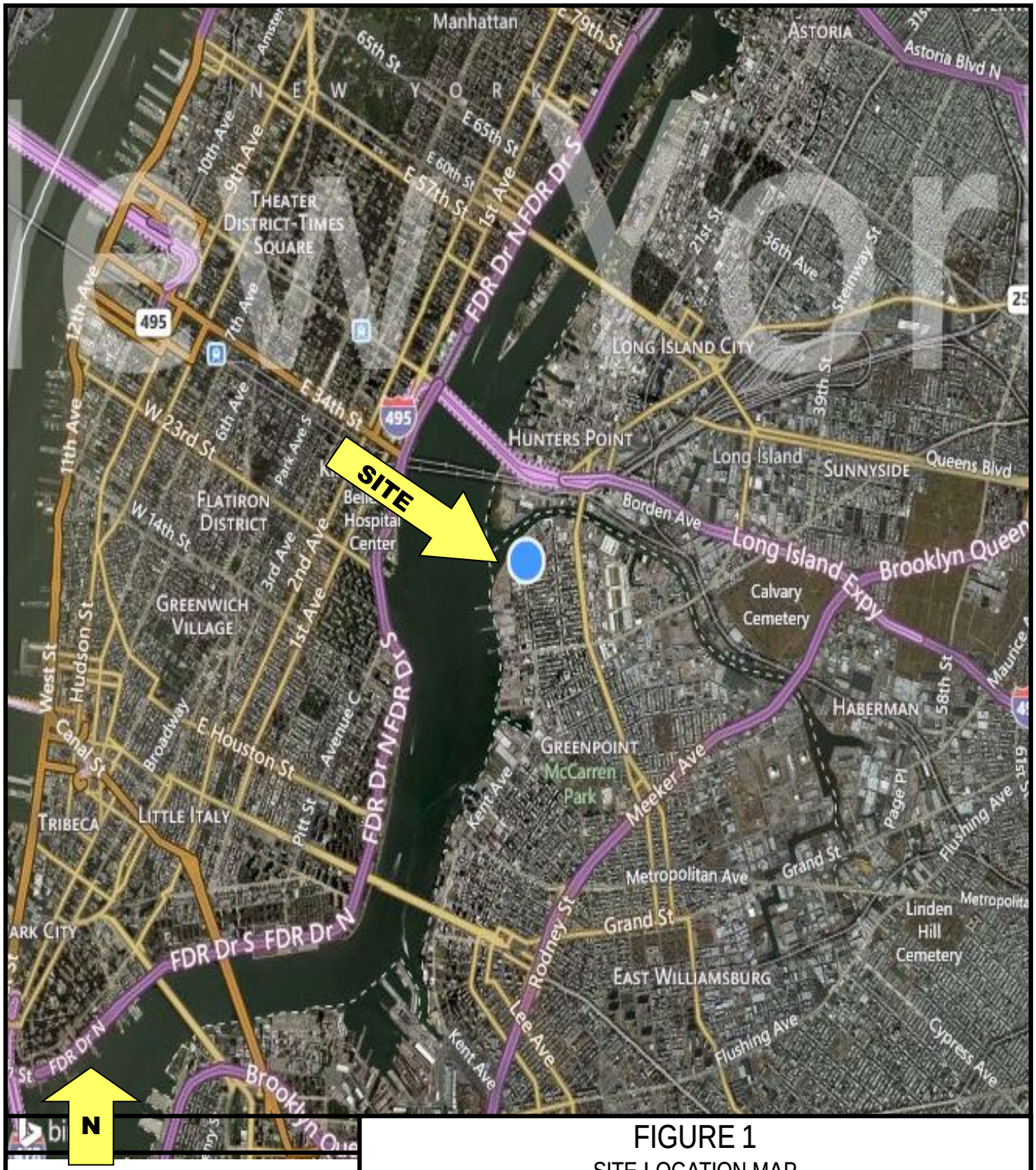


FIGURE 1

SITE LOCATION MAP

NOVA

Geophysical Services

Subsurface Mapping Solutions

56-01 Marathon Pkwy, # 765, Douglaston, NY11362

(718) 261-1527 Fax (718) 261-1528

www.nova-gsi.com

SITE: **Commercial Properties**
171 West Street □ Corner o□Commercial Street and Franklin Street, Brooklyn, NY

SCALE: See Map

NOTES

1- All anomalies were marked in the field.

G□□ □□ □□ □□ I□ A□□□□ R□ □□ □AR□ A

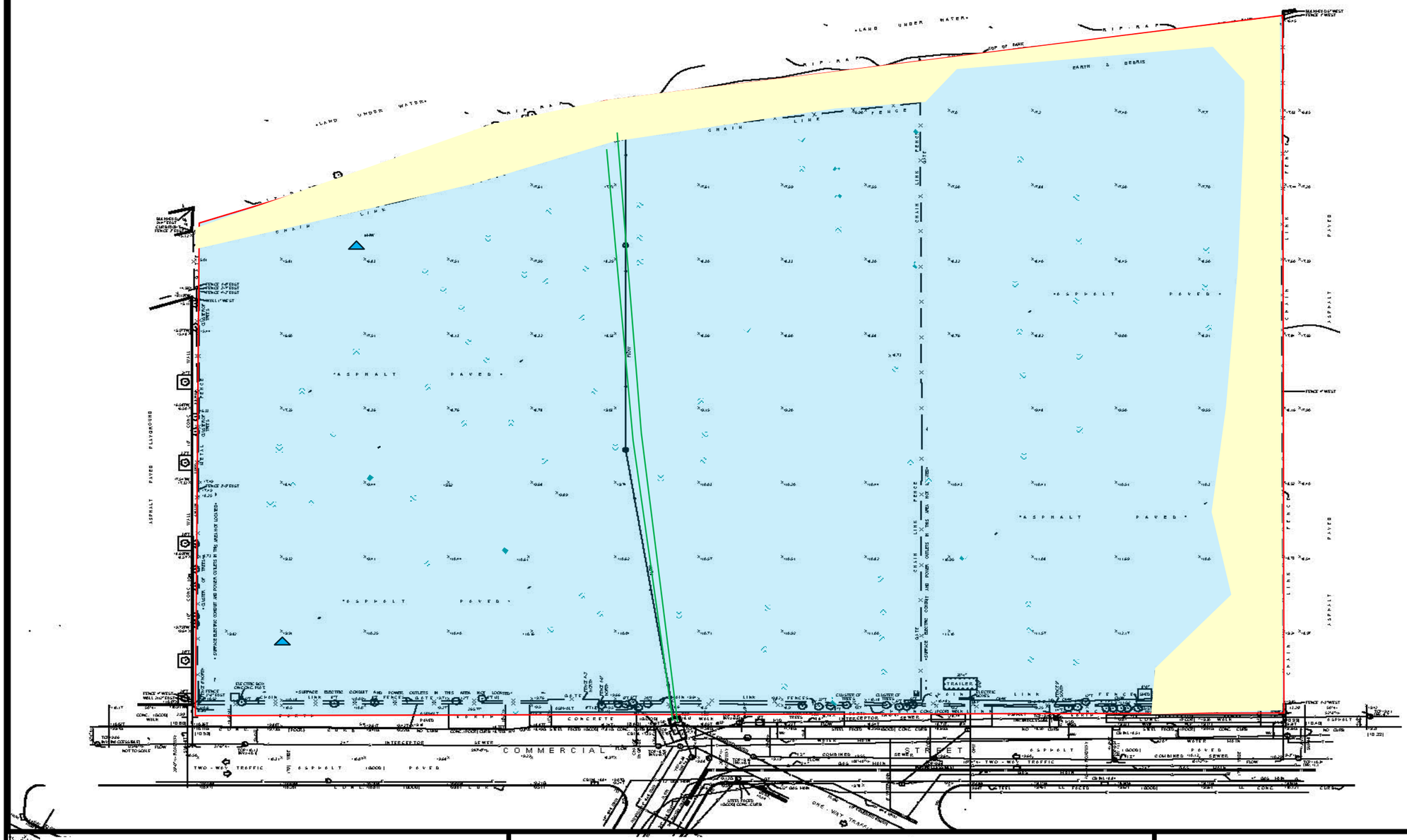
NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, □765
Douglaston, New York11362
Phone □347□556-7787 □ Fa□□718□261-1527
www.nova-gsi.com

SITE : Commercial Properties
171 West Street @ Franklin Street & Commercial Street
Brooklyn, New York 11222
CLIENT Langan Engineering & Environmental, Inc.
SCALE See Map
DATE September 11, 12 & 13, 2013

INFORMATION

Project Area

Approximate Parcel Lines



NOTES

1- All anomalies were marked in the field.

G I A R G AN

INFORMATION

- Project Area
- Scattered Anomalies
- Geophysical Noise Areas(No Data was collected w/GPR/EM)
- Underground Sewer Lines/Pipes
- Underground Lines/Pipes/Utilities
- Minor Anomaly detected with GPR
- Storm Drain / Monitoring Well (Observed)

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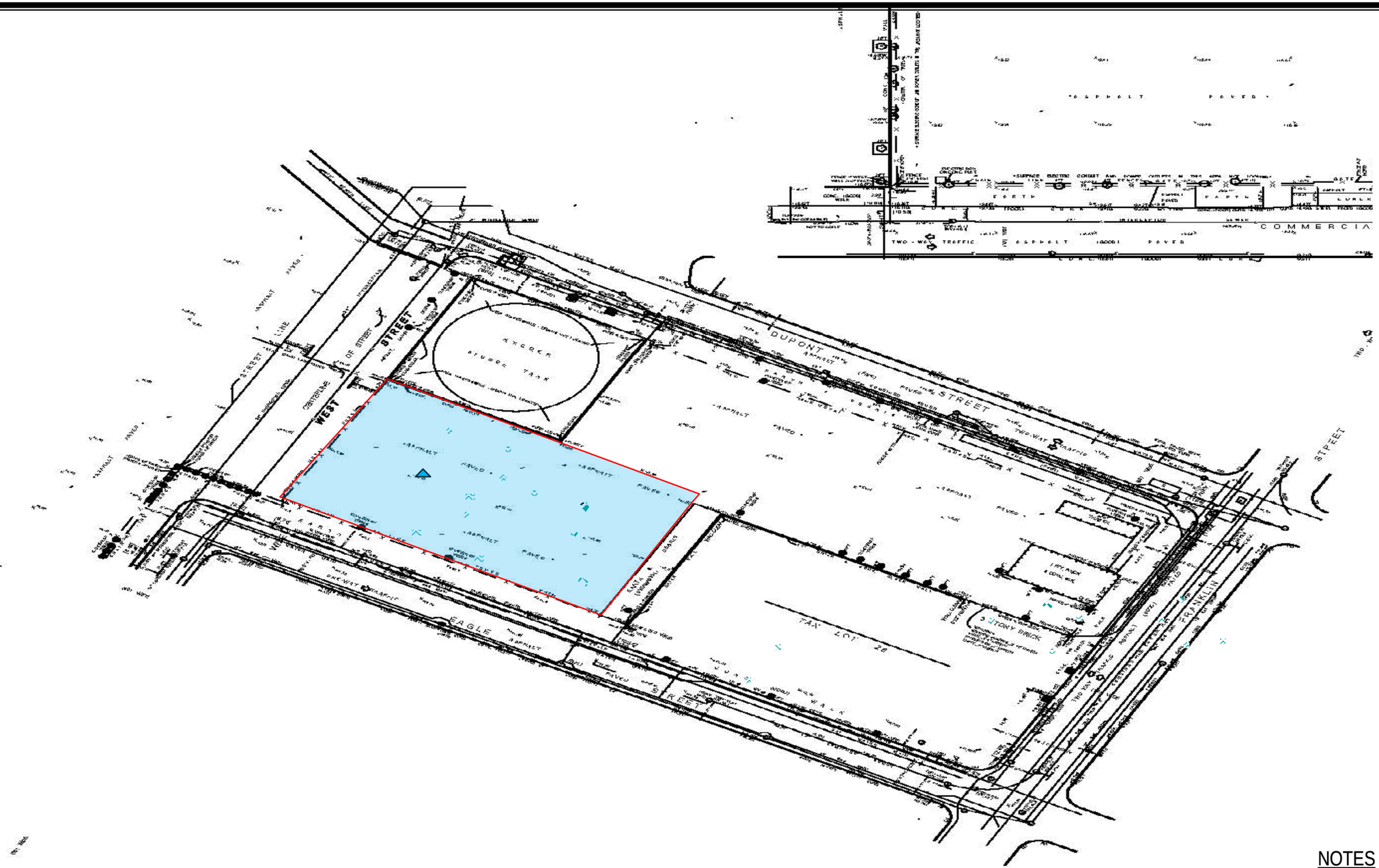

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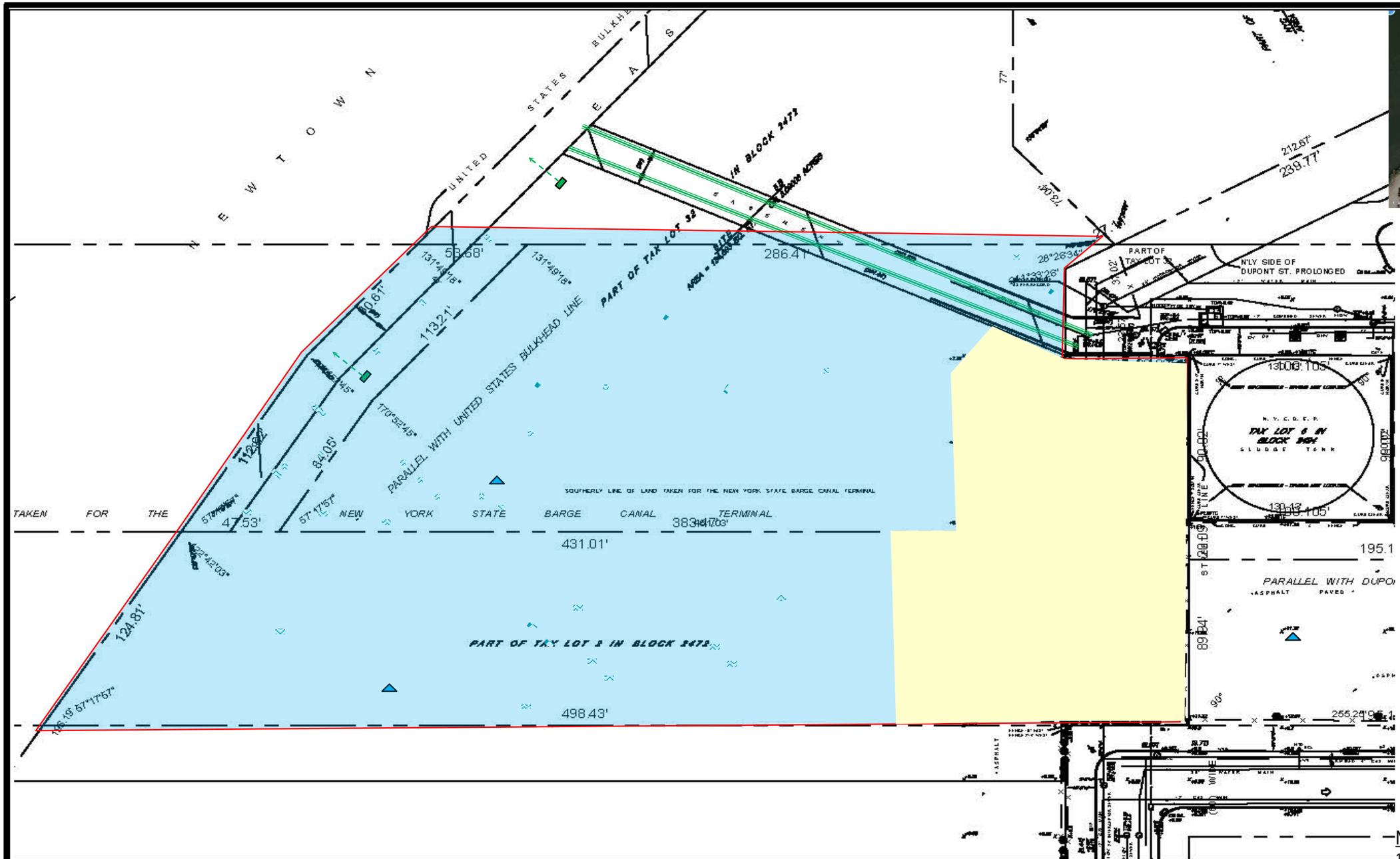

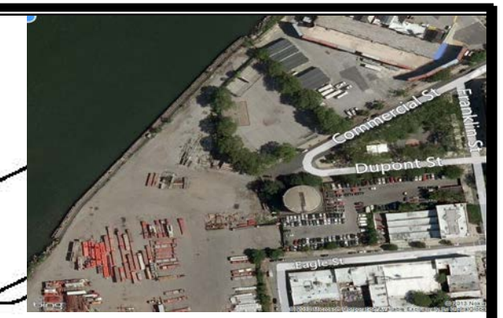

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G I A R AN AR

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INFORMATION

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- Scattered Anomalies
- Geophysical Noise Areas (No Data was collected w/GPR/EM)
- Underground Sewer Lines/Pipes
- Underground Lines/Pipes/Utilities
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- Storm Drain / Monitoring Well (Observed)

NOTES

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G□□□□□□I□A□□□□R□□□□□□AN

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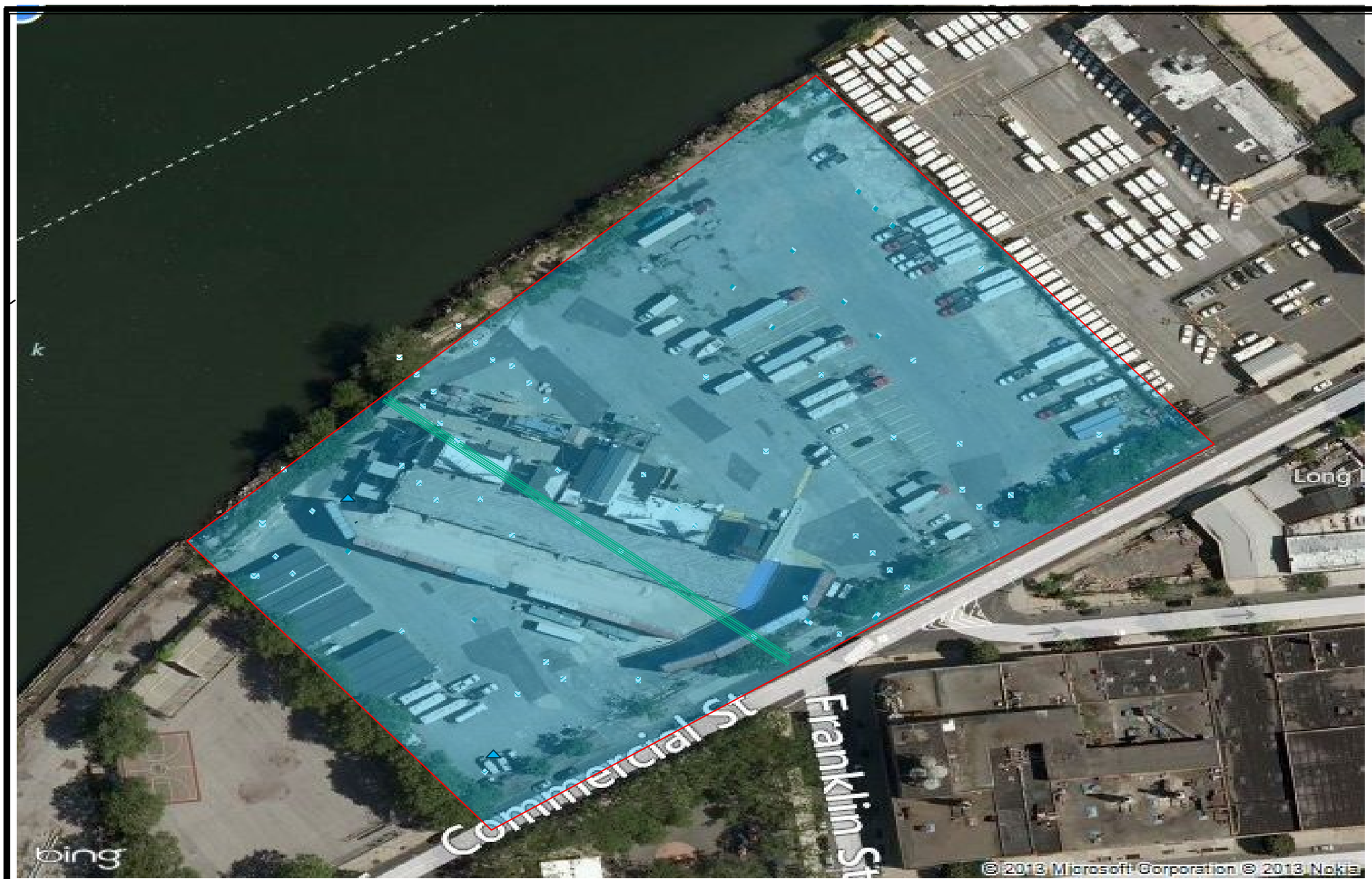

NOTES

1- All anomalies were marked in the field.

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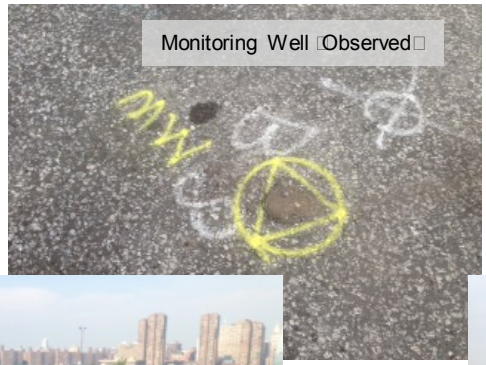
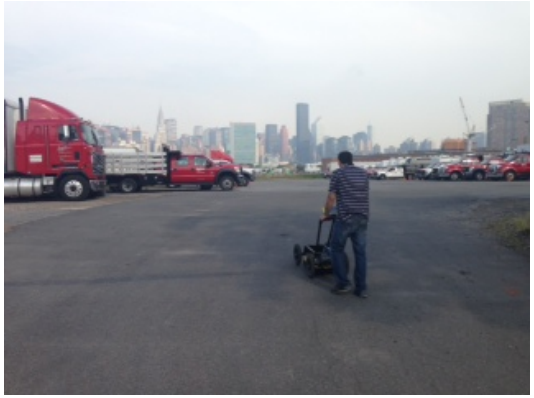
GEOPHYSICAL IMAGES

Commercial Properties

171 West Street Corner o Franklin Street Commercial Avenue,
Brooklyn, NY 11222
September 11, 12 13, 2013





GEOPHYSICAL IMAGES

Commercial Properties

171 West Street Corner o Franklin Street Commercial Avenue,
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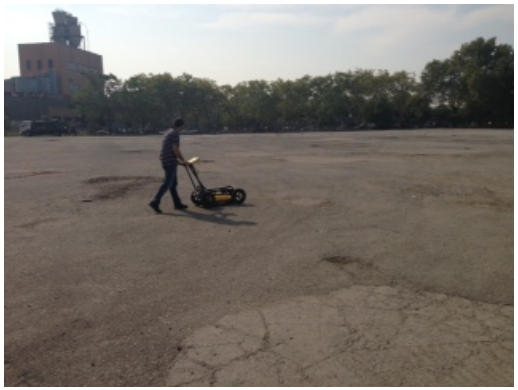
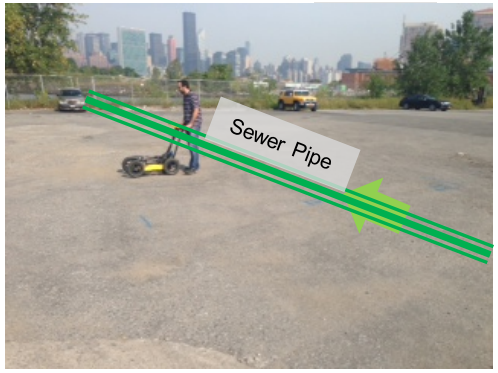
September 11, 12 13, 2013





GEOPHYSICAL IMAGES

Commercial Properties

171 West Street Corner o Franklin Street Commercial Avenue,
Brooklyn, NY 11222
September 11, 12 13, 2013

APPENDIX I

LABORATORY ANALYTICAL DATA REPORTS – SOIL VAPOR

ANALYTICAL REPORT

Lab Number:	L1318328
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/24/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318328
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318328-01	SV-7_20130917	BROOKLYN, NY	09/17/13 15:53
L1318328-02	SV-8_20130917	BROOKLYN, NY	09/17/13 16:04
L1318328-03	SV-11_20130917	BROOKLYN, NY	09/17/13 16:23
L1318328-04	AA01_20130917	BROOKLYN, NY	09/17/13 15:57
L1318328-05	SVDUP01_20130917	BROOKLYN, NY	09/17/13 14:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318328
Project Number: 170229002 **Report Date:** 09/24/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318328
Project Number:	170229002	**Report Date:**	09/24/13

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 17, 2013. The canister certification results are provided as an addendum.

Samples L1318328-01 through -05: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

Samples L1318328-01, -02, -03, -05 and WG637862-5 Duplicate results for Acetone should be considered estimated due to co-elution with a non-target peak.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative

Date: 09/24/13

AIR

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-01 D
Client ID: SV-7_20130917
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 21:41
Analyst: RY

Date Collected: 09/17/13 15:53
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	61.3	1.36	--	106	2.34	--		2.725
Dichlorodifluoromethane	ND	0.545	--	ND	2.69	--		2.725
Chloromethane	ND	0.545	--	ND	1.13	--		2.725
Freon-114	ND	0.545	--	ND	3.81	--		2.725
Vinyl chloride	105	0.545	--	268	1.39	--		2.725
1,3-Butadiene	ND	0.545	--	ND	1.21	--		2.725
Bromomethane	ND	0.545	--	ND	2.12	--		2.725
Chloroethane	ND	0.545	--	ND	1.44	--		2.725
Ethanol	ND	6.81	--	ND	12.8	--		2.725
Vinyl bromide	ND	0.545	--	ND	2.38	--		2.725
Acetone	19.0	2.72	--	45.1	6.46	--		2.725
Trichlorofluoromethane	ND	0.545	--	ND	3.06	--		2.725
Isopropanol	ND	1.36	--	ND	3.34	--		2.725
1,1-Dichloroethene	5.57	0.545	--	22.1	2.16	--		2.725
Methylene chloride	ND	2.72	--	ND	9.45	--		2.725
3-Chloropropene	ND	0.545	--	ND	1.71	--		2.725
Carbon disulfide	11.3	0.545	--	35.2	1.70	--		2.725
Freon-113	ND	0.545	--	ND	4.18	--		2.725
trans-1,2-Dichloroethene	1.08	0.545	--	4.28	2.16	--		2.725
1,1-Dichloroethane	ND	0.545	--	ND	2.21	--		2.725
Methyl tert butyl ether	ND	0.545	--	ND	1.96	--		2.725
Vinyl acetate	ND	0.545	--	ND	1.92	--		2.725
2-Butanone	3.23	0.545	--	9.53	1.61	--		2.725
cis-1,2-Dichloroethene	29.8	0.545	--	118	2.16	--		2.725

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-01 D
Client ID: SV-7_20130917
Sample Location: BROOKLYN, NY

Date Collected: 09/17/13 15:53
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.00	1.36	--	7.21	4.90	--		2.725
Chloroform	ND	0.545	--	ND	2.66	--		2.725
Tetrahydrofuran	ND	0.545	--	ND	1.61	--		2.725
1,2-Dichloroethane	ND	0.545	--	ND	2.21	--		2.725
n-Hexane	67.6	0.545	--	238	1.92	--		2.725
1,1,1-Trichloroethane	ND	0.545	--	ND	2.97	--		2.725
Benzene	0.561	0.545	--	1.79	1.74	--		2.725
Carbon tetrachloride	ND	0.545	--	ND	3.43	--		2.725
Cyclohexane	1.98	0.545	--	6.82	1.88	--		2.725
1,2-Dichloropropane	ND	0.545	--	ND	2.52	--		2.725
Bromodichloromethane	ND	0.545	--	ND	3.65	--		2.725
1,4-Dioxane	ND	0.545	--	ND	1.96	--		2.725
Trichloroethene	1.56	0.545	--	8.38	2.93	--		2.725
2,2,4-Trimethylpentane	ND	0.545	--	ND	2.55	--		2.725
Heptane	39.4	0.545	--	161	2.23	--		2.725
cis-1,3-Dichloropropene	ND	0.545	--	ND	2.47	--		2.725
4-Methyl-2-pentanone	ND	0.545	--	ND	2.23	--		2.725
trans-1,3-Dichloropropene	ND	0.545	--	ND	2.47	--		2.725
1,1,2-Trichloroethane	ND	0.545	--	ND	2.97	--		2.725
Toluene	0.602	0.545	--	2.27	2.05	--		2.725
2-Hexanone	ND	0.545	--	ND	2.23	--		2.725
Dibromochloromethane	ND	0.545	--	ND	4.64	--		2.725
1,2-Dibromoethane	ND	0.545	--	ND	4.19	--		2.725
Tetrachloroethene	ND	0.545	--	ND	3.70	--		2.725
Chlorobenzene	ND	0.545	--	ND	2.51	--		2.725
Ethylbenzene	ND	0.545	--	ND	2.37	--		2.725
p/m-Xylene	ND	1.09	--	ND	4.73	--		2.725
Bromoform	ND	0.545	--	ND	5.64	--		2.725

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-01 D
Client ID: SV-7_20130917
Sample Location: BROOKLYN, NY
Date Collected: 09/17/13 15:53
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.545	--	ND	2.32	--		2.725
1,1,2,2-Tetrachloroethane	ND	0.545	--	ND	3.74	--		2.725
o-Xylene	ND	0.545	--	ND	2.37	--		2.725
4-Ethyltoluene	ND	0.545	--	ND	2.68	--		2.725
1,3,5-Trimethylbenzene	ND	0.545	--	ND	2.68	--		2.725
1,2,4-Trimethylbenzene	ND	0.545	--	ND	2.68	--		2.725
Benzyl chloride	ND	0.545	--	ND	2.82	--		2.725
1,3-Dichlorobenzene	ND	0.545	--	ND	3.28	--		2.725
1,4-Dichlorobenzene	ND	0.545	--	ND	3.28	--		2.725
1,2-Dichlorobenzene	ND	0.545	--	ND	3.28	--		2.725
1,2,4-Trichlorobenzene	ND	0.545	--	ND	4.05	--		2.725
Hexachlorobutadiene	ND	0.545	--	ND	5.81	--		2.725

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	97		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-02 D
Client ID: SV-8_20130917
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 22:44
Analyst: RY

Date Collected: 09/17/13 16:04
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	20.3	1.38	--	34.9	2.38	--		2.75
Dichlorodifluoromethane	ND	0.550	--	ND	2.72	--		2.75
Chloromethane	ND	0.550	--	ND	1.14	--		2.75
Freon-114	ND	0.550	--	ND	3.84	--		2.75
Vinyl chloride	ND	0.550	--	ND	1.41	--		2.75
1,3-Butadiene	ND	0.550	--	ND	1.22	--		2.75
Bromomethane	ND	0.550	--	ND	2.14	--		2.75
Chloroethane	ND	0.550	--	ND	1.45	--		2.75
Ethanol	ND	6.88	--	ND	13.0	--		2.75
Vinyl bromide	ND	0.550	--	ND	2.40	--		2.75
Acetone	17.4	2.75	--	41.3	6.53	--		2.75
Trichlorofluoromethane	ND	0.550	--	ND	3.09	--		2.75
Isopropanol	ND	1.38	--	ND	3.39	--		2.75
1,1-Dichloroethene	ND	0.550	--	ND	2.18	--		2.75
Methylene chloride	ND	2.75	--	ND	9.55	--		2.75
3-Chloropropene	ND	0.550	--	ND	1.72	--		2.75
Carbon disulfide	8.44	0.550	--	26.3	1.71	--		2.75
Freon-113	ND	0.550	--	ND	4.22	--		2.75
trans-1,2-Dichloroethene	ND	0.550	--	ND	2.18	--		2.75
1,1-Dichloroethane	ND	0.550	--	ND	2.23	--		2.75
Methyl tert butyl ether	ND	0.550	--	ND	1.98	--		2.75
Vinyl acetate	ND	0.550	--	ND	1.94	--		2.75
2-Butanone	1.60	0.550	--	4.72	1.62	--		2.75
cis-1,2-Dichloroethene	ND	0.550	--	ND	2.18	--		2.75

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-02 D
Client ID: SV-8_20130917
Sample Location: BROOKLYN, NY
Date Collected: 09/17/13 16:04
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.38	--	ND	4.97	--		2.75
Chloroform	ND	0.550	--	ND	2.69	--		2.75
Tetrahydrofuran	ND	0.550	--	ND	1.62	--		2.75
1,2-Dichloroethane	ND	0.550	--	ND	2.23	--		2.75
n-Hexane	2.11	0.550	--	7.44	1.94	--		2.75
1,1,1-Trichloroethane	ND	0.550	--	ND	3.00	--		2.75
Benzene	1.09	0.550	--	3.48	1.76	--		2.75
Carbon tetrachloride	ND	0.550	--	ND	3.46	--		2.75
Cyclohexane	2.80	0.550	--	9.64	1.89	--		2.75
1,2-Dichloropropane	ND	0.550	--	ND	2.54	--		2.75
Bromodichloromethane	ND	0.550	--	ND	3.68	--		2.75
1,4-Dioxane	ND	0.550	--	ND	1.98	--		2.75
Trichloroethene	ND	0.550	--	ND	2.96	--		2.75
2,2,4-Trimethylpentane	ND	0.550	--	ND	2.57	--		2.75
Heptane	0.886	0.550	--	3.63	2.25	--		2.75
cis-1,3-Dichloropropene	ND	0.550	--	ND	2.50	--		2.75
4-Methyl-2-pentanone	ND	0.550	--	ND	2.25	--		2.75
trans-1,3-Dichloropropene	ND	0.550	--	ND	2.50	--		2.75
1,1,2-Trichloroethane	ND	0.550	--	ND	3.00	--		2.75
Toluene	2.44	0.550	--	9.20	2.07	--		2.75
2-Hexanone	ND	0.550	--	ND	2.25	--		2.75
Dibromochloromethane	ND	0.550	--	ND	4.69	--		2.75
1,2-Dibromoethane	ND	0.550	--	ND	4.23	--		2.75
Tetrachloroethene	ND	0.550	--	ND	3.73	--		2.75
Chlorobenzene	ND	0.550	--	ND	2.53	--		2.75
Ethylbenzene	ND	0.550	--	ND	2.39	--		2.75
p/m-Xylene	ND	1.10	--	ND	4.78	--		2.75
Bromoform	ND	0.550	--	ND	5.69	--		2.75

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-02 D
Client ID: SV-8_20130917
Sample Location: BROOKLYN, NY
Date Collected: 09/17/13 16:04
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.550	--	ND	2.34	--		2.75
1,1,2,2-Tetrachloroethane	ND	0.550	--	ND	3.78	--		2.75
o-Xylene	ND	0.550	--	ND	2.39	--		2.75
4-Ethyltoluene	ND	0.550	--	ND	2.70	--		2.75
1,3,5-Trimethylbenzene	ND	0.550	--	ND	2.70	--		2.75
1,2,4-Trimethylbenzene	ND	0.550	--	ND	2.70	--		2.75
Benzyl chloride	ND	0.550	--	ND	2.85	--		2.75
1,3-Dichlorobenzene	ND	0.550	--	ND	3.31	--		2.75
1,4-Dichlorobenzene	ND	0.550	--	ND	3.31	--		2.75
1,2-Dichlorobenzene	ND	0.550	--	ND	3.31	--		2.75
1,2,4-Trichlorobenzene	ND	0.550	--	ND	4.08	--		2.75
Hexachlorobutadiene	ND	0.550	--	ND	5.87	--		2.75

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	97		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-03 D
Client ID: SV-11_20130917
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 23:16
Analyst: RY

Date Collected: 09/17/13 16:23
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	33.3	1.37	--	57.3	2.36	--		2.741
Dichlorodifluoromethane	ND	0.548	--	ND	2.71	--		2.741
Chloromethane	ND	0.548	--	ND	1.13	--		2.741
Freon-114	ND	0.548	--	ND	3.83	--		2.741
Vinyl chloride	ND	0.548	--	ND	1.40	--		2.741
1,3-Butadiene	0.713	0.548	--	1.58	1.21	--		2.741
Bromomethane	ND	0.548	--	ND	2.13	--		2.741
Chloroethane	ND	0.548	--	ND	1.45	--		2.741
Ethanol	ND	6.85	--	ND	12.9	--		2.741
Vinyl bromide	ND	0.548	--	ND	2.40	--		2.741
Acetone	39.0	2.74	--	92.6	6.51	--		2.741
Trichlorofluoromethane	ND	0.548	--	ND	3.08	--		2.741
Isopropanol	ND	1.37	--	ND	3.37	--		2.741
1,1-Dichloroethene	ND	0.548	--	ND	2.17	--		2.741
Methylene chloride	ND	2.74	--	ND	9.52	--		2.741
3-Chloropropene	ND	0.548	--	ND	1.72	--		2.741
Carbon disulfide	25.4	0.548	--	79.1	1.71	--		2.741
Freon-113	ND	0.548	--	ND	4.20	--		2.741
trans-1,2-Dichloroethene	ND	0.548	--	ND	2.17	--		2.741
1,1-Dichloroethane	ND	0.548	--	ND	2.22	--		2.741
Methyl tert butyl ether	ND	0.548	--	ND	1.98	--		2.741
Vinyl acetate	ND	0.548	--	ND	1.93	--		2.741
2-Butanone	1.83	0.548	--	5.40	1.62	--		2.741
cis-1,2-Dichloroethene	ND	0.548	--	ND	2.17	--		2.741

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-03 D
Client ID: SV-11_20130917
Sample Location: BROOKLYN, NY

Date Collected: 09/17/13 16:23
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.37	--	ND	4.94	--		2.741
Chloroform	1.95	0.548	--	9.52	2.68	--		2.741
Tetrahydrofuran	ND	0.548	--	ND	1.62	--		2.741
1,2-Dichloroethane	ND	0.548	--	ND	2.22	--		2.741
n-Hexane	37.5	0.548	--	132	1.93	--		2.741
1,1,1-Trichloroethane	ND	0.548	--	ND	2.99	--		2.741
Benzene	16.7	0.548	--	53.4	1.75	--		2.741
Carbon tetrachloride	ND	0.548	--	ND	3.45	--		2.741
Cyclohexane	3.80	0.548	--	13.1	1.89	--		2.741
1,2-Dichloropropane	ND	0.548	--	ND	2.53	--		2.741
Bromodichloromethane	ND	0.548	--	ND	3.67	--		2.741
1,4-Dioxane	ND	0.548	--	ND	1.97	--		2.741
Trichloroethene	62.8	0.548	--	338	2.95	--		2.741
2,2,4-Trimethylpentane	ND	0.548	--	ND	2.56	--		2.741
Heptane	25.6	0.548	--	105	2.25	--		2.741
cis-1,3-Dichloropropene	ND	0.548	--	ND	2.49	--		2.741
4-Methyl-2-pentanone	ND	0.548	--	ND	2.25	--		2.741
trans-1,3-Dichloropropene	ND	0.548	--	ND	2.49	--		2.741
1,1,2-Trichloroethane	ND	0.548	--	ND	2.99	--		2.741
Toluene	11.6	0.548	--	43.7	2.07	--		2.741
2-Hexanone	ND	0.548	--	ND	2.25	--		2.741
Dibromochloromethane	ND	0.548	--	ND	4.67	--		2.741
1,2-Dibromoethane	ND	0.548	--	ND	4.21	--		2.741
Tetrachloroethene	1.04	0.548	--	7.05	3.72	--		2.741
Chlorobenzene	ND	0.548	--	ND	2.52	--		2.741
Ethylbenzene	2.22	0.548	--	9.64	2.38	--		2.741
p/m-Xylene	15.6	1.10	--	67.8	4.78	--		2.741
Bromoform	ND	0.548	--	ND	5.67	--		2.741

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-03 D
Client ID: SV-11_20130917
Sample Location: BROOKLYN, NY
Date Collected: 09/17/13 16:23
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	1.17	0.548	--	4.98	2.33	--		2.741
1,1,2,2-Tetrachloroethane	ND	0.548	--	ND	3.76	--		2.741
o-Xylene	12.4	0.548	--	53.9	2.38	--		2.741
4-Ethyltoluene	1.56	0.548	--	7.67	2.69	--		2.741
1,3,5-Trimethylbenzene	22.1	0.548	--	109	2.69	--		2.741
1,2,4-Trimethylbenzene	29.4	0.548	--	145	2.69	--		2.741
Benzyl chloride	ND	0.548	--	ND	2.84	--		2.741
1,3-Dichlorobenzene	ND	0.548	--	ND	3.29	--		2.741
1,4-Dichlorobenzene	ND	0.548	--	ND	3.29	--		2.741
1,2-Dichlorobenzene	ND	0.548	--	ND	3.29	--		2.741
1,2,4-Trichlorobenzene	ND	0.548	--	ND	4.07	--		2.741
Hexachlorobutadiene	ND	0.548	--	ND	5.85	--		2.741

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	96		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-04 D
Client ID: AA01_20130917
Sample Location: BROOKLYN, NY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 23:48
Analyst: RY

Date Collected: 09/17/13 15:57
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	1.35	--	ND	2.32	--		2.694
Dichlorodifluoromethane	ND	0.539	--	ND	2.67	--		2.694
Chloromethane	0.539	0.539	--	1.11	1.11	--		2.694
Freon-114	ND	0.539	--	ND	3.77	--		2.694
Vinyl chloride	ND	0.539	--	ND	1.38	--		2.694
1,3-Butadiene	ND	0.539	--	ND	1.19	--		2.694
Bromomethane	ND	0.539	--	ND	2.09	--		2.694
Chloroethane	ND	0.539	--	ND	1.42	--		2.694
Ethanol	ND	6.74	--	ND	12.7	--		2.694
Vinyl bromide	ND	0.539	--	ND	2.36	--		2.694
Acetone	3.47	2.69	--	8.24	6.39	--		2.694
Trichlorofluoromethane	ND	0.539	--	ND	3.03	--		2.694
Isopropanol	2.40	1.35	--	5.90	3.32	--		2.694
1,1-Dichloroethene	ND	0.539	--	ND	2.14	--		2.694
Methylene chloride	ND	2.69	--	ND	9.35	--		2.694
3-Chloropropene	ND	0.539	--	ND	1.69	--		2.694
Carbon disulfide	ND	0.539	--	ND	1.68	--		2.694
Freon-113	ND	0.539	--	ND	4.13	--		2.694
trans-1,2-Dichloroethene	ND	0.539	--	ND	2.14	--		2.694
1,1-Dichloroethane	ND	0.539	--	ND	2.18	--		2.694
Methyl tert butyl ether	ND	0.539	--	ND	1.94	--		2.694
Vinyl acetate	ND	0.539	--	ND	1.90	--		2.694
2-Butanone	ND	0.539	--	ND	1.59	--		2.694
cis-1,2-Dichloroethene	ND	0.539	--	ND	2.14	--		2.694

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-04 D
Client ID: AA01_20130917
Sample Location: BROOKLYN, NY

Date Collected: 09/17/13 15:57
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.35	--	ND	4.86	--		2.694
Chloroform	ND	0.539	--	ND	2.63	--		2.694
Tetrahydrofuran	ND	0.539	--	ND	1.59	--		2.694
1,2-Dichloroethane	ND	0.539	--	ND	2.18	--		2.694
n-Hexane	ND	0.539	--	ND	1.90	--		2.694
1,1,1-Trichloroethane	ND	0.539	--	ND	2.94	--		2.694
Benzene	ND	0.539	--	ND	1.72	--		2.694
Carbon tetrachloride	ND	0.539	--	ND	3.39	--		2.694
Cyclohexane	ND	0.539	--	ND	1.86	--		2.694
1,2-Dichloropropane	ND	0.539	--	ND	2.49	--		2.694
Bromodichloromethane	ND	0.539	--	ND	3.61	--		2.694
1,4-Dioxane	ND	0.539	--	ND	1.94	--		2.694
Trichloroethene	ND	0.539	--	ND	2.90	--		2.694
2,2,4-Trimethylpentane	ND	0.539	--	ND	2.52	--		2.694
Heptane	ND	0.539	--	ND	2.21	--		2.694
cis-1,3-Dichloropropene	ND	0.539	--	ND	2.45	--		2.694
4-Methyl-2-pentanone	ND	0.539	--	ND	2.21	--		2.694
trans-1,3-Dichloropropene	ND	0.539	--	ND	2.45	--		2.694
1,1,2-Trichloroethane	ND	0.539	--	ND	2.94	--		2.694
Toluene	ND	0.539	--	ND	2.03	--		2.694
2-Hexanone	ND	0.539	--	ND	2.21	--		2.694
Dibromochloromethane	ND	0.539	--	ND	4.59	--		2.694
1,2-Dibromoethane	ND	0.539	--	ND	4.14	--		2.694
Tetrachloroethene	ND	0.539	--	ND	3.66	--		2.694
Chlorobenzene	ND	0.539	--	ND	2.48	--		2.694
Ethylbenzene	ND	0.539	--	ND	2.34	--		2.694
p/m-Xylene	ND	1.08	--	ND	4.69	--		2.694
Bromoform	ND	0.539	--	ND	5.57	--		2.694

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-04 D
Client ID: AA01_20130917
Sample Location: BROOKLYN, NY
Date Collected: 09/17/13 15:57
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.539	--	ND	2.29	--		2.694
1,1,2,2-Tetrachloroethane	ND	0.539	--	ND	3.70	--		2.694
o-Xylene	ND	0.539	--	ND	2.34	--		2.694
4-Ethyltoluene	ND	0.539	--	ND	2.65	--		2.694
1,3,5-Trimethylbenzene	ND	0.539	--	ND	2.65	--		2.694
1,2,4-Trimethylbenzene	ND	0.539	--	ND	2.65	--		2.694
Benzyl chloride	ND	0.539	--	ND	2.79	--		2.694
1,3-Dichlorobenzene	ND	0.539	--	ND	3.24	--		2.694
1,4-Dichlorobenzene	ND	0.539	--	ND	3.24	--		2.694
1,2-Dichlorobenzene	ND	0.539	--	ND	3.24	--		2.694
1,2,4-Trichlorobenzene	ND	0.539	--	ND	4.00	--		2.694
Hexachlorobutadiene	ND	0.539	--	ND	5.75	--		2.694

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-05 D
Client ID: SVDUP01_20130917
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/21/13 00:20
Analyst: RY

Date Collected: 09/17/13 14:00
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	69.8	1.35	--	120	2.32	--		2.7
Dichlorodifluoromethane	ND	0.540	--	ND	2.67	--		2.7
Chloromethane	ND	0.540	--	ND	1.12	--		2.7
Freon-114	ND	0.540	--	ND	3.77	--		2.7
Vinyl chloride	123	0.540	--	314	1.38	--		2.7
1,3-Butadiene	ND	0.540	--	ND	1.19	--		2.7
Bromomethane	ND	0.540	--	ND	2.10	--		2.7
Chloroethane	ND	0.540	--	ND	1.42	--		2.7
Ethanol	ND	6.75	--	ND	12.7	--		2.7
Vinyl bromide	ND	0.540	--	ND	2.36	--		2.7
Acetone	24.5	2.70	--	58.2	6.41	--		2.7
Trichlorofluoromethane	ND	0.540	--	ND	3.03	--		2.7
Isopropanol	ND	1.35	--	ND	3.32	--		2.7
1,1-Dichloroethene	6.25	0.540	--	24.8	2.14	--		2.7
Methylene chloride	ND	2.70	--	ND	9.38	--		2.7
3-Chloropropene	ND	0.540	--	ND	1.69	--		2.7
Carbon disulfide	13.1	0.540	--	40.8	1.68	--		2.7
Freon-113	ND	0.540	--	ND	4.14	--		2.7
trans-1,2-Dichloroethene	1.16	0.540	--	4.60	2.14	--		2.7
1,1-Dichloroethane	ND	0.540	--	ND	2.19	--		2.7
Methyl tert butyl ether	ND	0.540	--	ND	1.95	--		2.7
Vinyl acetate	ND	0.540	--	ND	1.90	--		2.7
2-Butanone	3.60	0.540	--	10.6	1.59	--		2.7
cis-1,2-Dichloroethene	31.7	0.540	--	126	2.14	--		2.7

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-05 D
Client ID: SVDUP01_20130917
Sample Location: BROOKLYN, NY
Date Collected: 09/17/13 14:00
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.19	1.35	--	7.89	4.86	--		2.7
Chloroform	ND	0.540	--	ND	2.64	--		2.7
Tetrahydrofuran	ND	0.540	--	ND	1.59	--		2.7
1,2-Dichloroethane	ND	0.540	--	ND	2.19	--		2.7
n-Hexane	59.6	0.540	--	210	1.90	--		2.7
1,1,1-Trichloroethane	ND	0.540	--	ND	2.95	--		2.7
Benzene	0.589	0.540	--	1.88	1.73	--		2.7
Carbon tetrachloride	ND	0.540	--	ND	3.40	--		2.7
Cyclohexane	2.01	0.540	--	6.92	1.86	--		2.7
1,2-Dichloropropane	ND	0.540	--	ND	2.50	--		2.7
Bromodichloromethane	ND	0.540	--	ND	3.62	--		2.7
1,4-Dioxane	ND	0.540	--	ND	1.95	--		2.7
Trichloroethene	1.58	0.540	--	8.49	2.90	--		2.7
2,2,4-Trimethylpentane	ND	0.540	--	ND	2.52	--		2.7
Heptane	39.3	0.540	--	161	2.21	--		2.7
cis-1,3-Dichloropropene	ND	0.540	--	ND	2.45	--		2.7
4-Methyl-2-pentanone	ND	0.540	--	ND	2.21	--		2.7
trans-1,3-Dichloropropene	ND	0.540	--	ND	2.45	--		2.7
1,1,2-Trichloroethane	ND	0.540	--	ND	2.95	--		2.7
Toluene	0.702	0.540	--	2.65	2.03	--		2.7
2-Hexanone	ND	0.540	--	ND	2.21	--		2.7
Dibromochloromethane	ND	0.540	--	ND	4.60	--		2.7
1,2-Dibromoethane	ND	0.540	--	ND	4.15	--		2.7
Tetrachloroethene	ND	0.540	--	ND	3.66	--		2.7
Chlorobenzene	ND	0.540	--	ND	2.49	--		2.7
Ethylbenzene	ND	0.540	--	ND	2.35	--		2.7
p/m-Xylene	ND	1.08	--	ND	4.69	--		2.7
Bromoform	ND	0.540	--	ND	5.58	--		2.7

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318328-05 D
Client ID: SVDUP01_20130917
Sample Location: BROOKLYN, NY
Date Collected: 09/17/13 14:00
Date Received: 09/17/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.540	--	ND	2.30	--		2.7
1,1,2,2-Tetrachloroethane	ND	0.540	--	ND	3.71	--		2.7
o-Xylene	ND	0.540	--	ND	2.35	--		2.7
4-Ethyltoluene	ND	0.540	--	ND	2.65	--		2.7
1,3,5-Trimethylbenzene	ND	0.540	--	ND	2.65	--		2.7
1,2,4-Trimethylbenzene	ND	0.540	--	ND	2.65	--		2.7
Benzyl chloride	ND	0.540	--	ND	2.80	--		2.7
1,3-Dichlorobenzene	ND	0.540	--	ND	3.25	--		2.7
1,4-Dichlorobenzene	ND	0.540	--	ND	3.25	--		2.7
1,2-Dichlorobenzene	ND	0.540	--	ND	3.25	--		2.7
1,2,4-Trichlorobenzene	ND	0.540	--	ND	4.01	--		2.7
Hexachlorobutadiene	ND	0.540	--	ND	5.76	--		2.7

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	100		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/20/13 14:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG637862-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/20/13 14:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG637862-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/20/13 14:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG637862-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318328
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG637862-3								
Chlorodifluoromethane	92		-		70-130	-		
Propylene	108		-		70-130	-		
Propane	82		-		70-130	-		
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	103		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	101		-		70-130	-		
Methanol	83		-		70-130	-		
Vinyl chloride	99		-		70-130	-		
1,3-Butadiene	104		-		70-130	-		
Butane	94		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	95		-		70-130	-		
Ethyl Alcohol	95		-		70-130	-		
Dichlorofluoromethane	93		-		70-130	-		
Vinyl bromide	98		-		70-130	-		
Acrolein	82		-		70-130	-		
Acetone	111		-		70-130	-		
Acetonitrile	94		-		70-130	-		
Trichlorofluoromethane	105		-		70-130	-		
iso-Propyl Alcohol	96		-		70-130	-		
Acrylonitrile	95		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG637862-3								
Pentane	95		-		70-130	-		
Ethyl ether	88		-		70-130	-		
1,1-Dichloroethene	102		-		70-130	-		
tert-Butyl Alcohol	92		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	102		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	103		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
Vinyl acetate	107		-		70-130	-		
2-Butanone	92		-		70-130	-		
cis-1,2-Dichloroethene	108		-		70-130	-		
Ethyl Acetate	96		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	93		-		70-130	-		
2,2-Dichloropropane	91		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	100		-		70-130	-		
Isopropyl Ether	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG637862-3								
Ethyl-Tert-Butyl-Ether	91		-		70-130	-		
1,1,1-Trichloroethane	105		-		70-130	-		
1,1-Dichloropropene	96		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	105		-		70-130	-		
Cyclohexane	100		-		70-130	-		
Tertiary-Amyl Methyl Ether	92		-		70-130	-		
Dibromomethane	97		-		70-130	-		
1,2-Dichloropropane	103		-		70-130	-		
Bromodichloromethane	102		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Methyl methacrylate	106		-		70-130	-		
Heptane	100		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	101		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	102		-		70-130	-		
1,3-Dichloropropane	97		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318328
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG637862-3								
2-Hexanone	104		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	108		-		70-130	-		
Butyl Acetate	97		-		70-130	-		
Octane	93		-		70-130	-		
Tetrachloroethene	105		-		70-130	-		
1,1,1,2-Tetrachloroethane	100		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	96		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	106		-		70-130	-		
1,2,3-Trichloropropane	95		-		70-130	-		
Nonane (C9)	99		-		70-130	-		
Isopropylbenzene	101		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	98		-		70-130	-		
n-Propylbenzene	98		-		70-130	-		
p-Chlorotoluene	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318328
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG637862-3								
4-Ethyltoluene	93		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
tert-Butylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Decane (C10)	99		-		70-130	-		
Benzyl chloride	79		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	97		-		70-130	-		
sec-Butylbenzene	94		-		70-130	-		
p-Isopropyltoluene	87		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
n-Butylbenzene	94		-		70-130	-		
1,2-Dibromo-3-chloropropane	91		-		70-130	-		
Undecane	100		-		70-130	-		
Dodecane (C12)	96		-		70-130	-		
1,2,4-Trichlorobenzene	99		-		70-130	-		
Naphthalene	90		-		70-130	-		
1,2,3-Trichlorobenzene	94		-		70-130	-		
Hexachlorobutadiene	102		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318328
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG637862-5 QC Sample: L1318328-01 Client ID: SV-7_20130917						
Propylene	61.3	61.6	ppbV	0		25
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	105	106	ppbV	1		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	19.0	19.9	ppbV	5		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	5.57	5.45	ppbV	2		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	11.3	11.1	ppbV	2		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	1.08	1.06	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318328
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG637862-5 QC Sample: L1318328-01 Client ID: SV-7_20130917					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	3.23	3.15	ppbV	3	25
cis-1,2-Dichloroethene	29.8	27.2	ppbV	9	25
Ethyl Acetate	2.00	1.98	ppbV	1	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	67.6	67.6	ppbV	0	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	0.561	0.556	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	1.98	1.96	ppbV	1	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	1.56	1.53	ppbV	2	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318328
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG637862-5 QC Sample: L1318328-01 Client ID: SV-7_20130917					
Heptane	39.4	39.4	ppbV	0	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.602	0.616	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318328
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG637862-5 QC Sample: L1318328-01 Client ID: SV-7_20130917					
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: GREENPOINT LANDING

Lab Number: L1318328

Project Number: 170229002

Report Date: 09/24/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1318328-01	SV-7_20130917	0584	#16 AMB	09/17/13	93147		-	-	-	Pass	6.3	6.8	8
L1318328-01	SV-7_20130917	675	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.1	-6.5	-	-	-	-
L1318328-02	SV-8_20130917	0041	#16 SV	09/17/13	93147		-	-	-	Pass	6.4	7.1	10
L1318328-02	SV-8_20130917	882	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.6	-6.5	-	-	-	-
L1318328-03	SV-11_20130917	0498	#16 SV	09/17/13	93147		-	-	-	Pass	6.4	6.7	5
L1318328-03	SV-11_20130917	1497	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-6.4	-	-	-	-
L1318328-04	AA01_20130917	0082	#16 SV	09/17/13	93147		-	-	-	Pass	6.7	7.2	7
L1318328-04	AA01_20130917	573	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-5.8	-	-	-	-
L1318328-05	SVDUP01_20130917	0390	#16 AMB	09/17/13	93147		-	-	-	Pass	6.5	7.1	9
L1318328-05	SVDUP01_20130917	1512	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.6	-6.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/24/13

Air Canister Certification Results

Lab ID:	L1317392-02	Date Collected:	09/05/13 16:12
Client ID:	CAN 778 SHELF 14	Date Received:	09/06/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	09/06/13 17:41		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/24/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/24/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/24/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/24/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/24/13

Air Canister Certification Results

Lab ID:	L1317392-02	Date Collected:	09/05/13 16:12
Client ID:	CAN 778 SHELF 14	Date Received:	09/06/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/13 17:41		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/24/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/24/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318328
Report Date: 09/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318328-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1318328-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1318328-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1318328-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1318328-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318328
Project Number:	170229002	**Report Date:**	09/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: Data Usability Report

Project Name: GREENPOINT LANDING **Lab Number:** L1318328

Project Number: 170229002 **Report Date:** 09/24/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.***

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab:

ALPHA Job #: L1318328

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan Engineering, D.P.C
Address: 360 W 31st Street, 8th Fl
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: MIMI RAYGORODETSKY
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #: 170229002

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

1) Provide Category [redacted] SH B-EQUIVALENT DATA DELIVERABLES

2) Provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS USEPA TO-15												Sample Specific Comments	TOTAL # BOTTLES
	[redacted] SH																		
L1318328-1	SV-7_20130917	9/17/13	1553	SV	SH	X													1
-2	SV-8_20130917	9/17/13	1604	SV	SH	X													1
-3	SV-11_20130917	9/17/13	1623	SV	SH	X													1
-4	AA01_20130917	9/17/13	1557	SV	SH	X													1
-5	SV DUP01_20130917	9/17/13	1400	SV	SH	X													1

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
Sean Kavin	9/17/13 1642	Abdul Mstuby	9/17/13 1642
Abdul Mstuby	9/17/13 1835	Tom Jones	9/17/13 1835
Tom Jones	9/17/13 2355	[illegible]	9/17/13 2355
[illegible]	9/18/13	[illegible]	9/18/13 9:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA Analytical Laboratories
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: [illegible] D.P.C.
Address: 350 [illegible] Ave, Suite [illegible]
New Rochelle, NY 10801
Phone: 212-[illegible]
Fax: 212-[illegible]
Email: GINYKA@LANGANI.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Bronxville Landing
Project Location: Bronxville, NY
Project #: 1703274.022
Project Manager: MIMI RAYBOURNE-TRAY
ALPHA Quote #: 2013463

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 7-22-[illegible]

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:
1) Provide Category B deliverable data package
2) Provide NYSDEC EDD

ANALYSIS: USEPA TO-15

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TO-15	Sample Specific Comments	TOTAL # BOTTLES
	[redacted]							
	SV-7_20130917	9/17/13	1553	SV	SH	X	F.C.# 0584 SH	1
	SV-8_20130917	9/17/13	[illegible]	SV	SH	X	F.C.# 0041 SH	1
	SV-11_20130917	9/17/13	1623	SV	SH	X	F.C.# 0498 SH	1
	AA01_20130917	9/17/13	1527	SV	SH	X	F.C.# 0082 SH	1
	SV-DUP01_20130917	9/17/13	[illegible]	SV	SH	X	F.C.# 0390 SH	1

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/17/13 1614	[illegible]	

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318455
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/25/13

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Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318455
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318455-01	SV-10_20130918	BROOKLYN, NY	09/18/13 09:40
L1318455-02	SV-12_20130918	BROOKLYN, NY	09/18/13 11:25
L1318455-03	AA02_20130918	BROOKLYN, NY	09/18/13 10:09
L1318455-04	SV-9_20130918	BROOKLYN, NY	09/18/13 10:33
L1318455-05	SV-6_20130918	BROOKLYN, NY	09/18/13 10:47
L1318455-06	SV-5_20130918	BROOKLYN, NY	09/18/13 13:17
L1318455-07	SV-3_20130918	BROOKLYN, NY	09/18/13 14:03
L1318455-08	SV-4_20130918	BROOKLYN, NY	09/18/13 14:25
L1318455-09	SV-2_20130918	BROOKLYN, NY	09/18/13 14:59
L1318455-10	SV-1_20130918	BROOKLYN, NY	09/18/13 15:53
L1318455-11	CAN 831	BROOKLYN, NY	

Project Name: GREENPOINT LANDING **Lab Number:** L1318455
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1318455
Project Number: 170229002 **Report Date:** 09/25/13

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 17, 2013. The canister certification results are provided as an addendum.

Sample L1318455-01 and WG637887-5 Duplicate were diluted and re-analyzed to quantify the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Samples L1318455-01 through -10: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

Samples L1318455-01, -09 and WG637887-5 Duplicate: The presence of Acetone could not be determined in these samples due to a non-target compound interfering with the identification and quantification of this compound.

Sample L1318455-08 results for Acetone should be considered estimated due to co-elution with a non-target peak.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 09/25/13

AIR

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-01 D
Client ID: SV-10_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 18:54
Analyst: RY

Date Collected: 09/18/13 09:40
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	286	1.42	--	492	2.44	--	E	2.838
Dichlorodifluoromethane	ND	0.568	--	ND	2.81	--		2.838
Chloromethane	1.24	0.568	--	2.56	1.17	--		2.838
Freon-114	ND	0.568	--	ND	3.97	--		2.838
Vinyl chloride	ND	0.568	--	ND	1.45	--		2.838
1,3-Butadiene	0.636	0.568	--	1.41	1.26	--		2.838
Bromomethane	ND	0.568	--	ND	2.21	--		2.838
Chloroethane	ND	0.568	--	ND	1.50	--		2.838
Ethanol	ND	7.10	--	ND	13.4	--		2.838
Vinyl bromide	ND	0.568	--	ND	2.48	--		2.838
Acetone	ND	2.84	--	ND	6.75	--		2.838
Trichlorofluoromethane	0.701	0.568	--	3.94	3.19	--		2.838
Isopropanol	ND	1.42	--	ND	3.49	--		2.838
1,1-Dichloroethene	ND	0.568	--	ND	2.25	--		2.838
Methylene chloride	ND	2.84	--	ND	9.87	--		2.838
3-Chloropropene	ND	0.568	--	ND	1.78	--		2.838
Carbon disulfide	33.4	0.568	--	104	1.77	--		2.838
Freon-113	ND	0.568	--	ND	4.35	--		2.838
trans-1,2-Dichloroethene	ND	0.568	--	ND	2.25	--		2.838
1,1-Dichloroethane	ND	0.568	--	ND	2.30	--		2.838
Methyl tert butyl ether	ND	0.568	--	ND	2.05	--		2.838
Vinyl acetate	ND	0.568	--	ND	2.00	--		2.838
2-Butanone	2.82	0.568	--	8.32	1.68	--		2.838
cis-1,2-Dichloroethene	ND	0.568	--	ND	2.25	--		2.838

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-01 D
Client ID: SV-10_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 09:40
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.82	1.42	--	6.56	5.12	--		2.838
Chloroform	ND	0.568	--	ND	2.77	--		2.838
Tetrahydrofuran	ND	0.568	--	ND	1.68	--		2.838
1,2-Dichloroethane	ND	0.568	--	ND	2.30	--		2.838
n-Hexane	242	0.568	--	853	2.00	--		2.838
1,1,1-Trichloroethane	ND	0.568	--	ND	3.10	--		2.838
Benzene	1.66	0.568	--	5.30	1.81	--		2.838
Carbon tetrachloride	ND	0.568	--	ND	3.57	--		2.838
Cyclohexane	27.5	0.568	--	94.7	1.96	--		2.838
1,2-Dichloropropane	ND	0.568	--	ND	2.63	--		2.838
Bromodichloromethane	ND	0.568	--	ND	3.81	--		2.838
1,4-Dioxane	ND	0.568	--	ND	2.05	--		2.838
Trichloroethene	ND	0.568	--	ND	3.05	--		2.838
2,2,4-Trimethylpentane	ND	0.568	--	ND	2.65	--		2.838
Heptane	171	0.568	--	701	2.33	--		2.838
cis-1,3-Dichloropropene	ND	0.568	--	ND	2.58	--		2.838
4-Methyl-2-pentanone	ND	0.568	--	ND	2.33	--		2.838
trans-1,3-Dichloropropene	ND	0.568	--	ND	2.58	--		2.838
1,1,2-Trichloroethane	ND	0.568	--	ND	3.10	--		2.838
Toluene	2.50	0.568	--	9.42	2.14	--		2.838
2-Hexanone	ND	0.568	--	ND	2.33	--		2.838
Dibromochloromethane	ND	0.568	--	ND	4.84	--		2.838
1,2-Dibromoethane	ND	0.568	--	ND	4.37	--		2.838
Tetrachloroethene	0.721	0.568	--	4.89	3.85	--		2.838
Chlorobenzene	ND	0.568	--	ND	2.62	--		2.838
Ethylbenzene	ND	0.568	--	ND	2.47	--		2.838
p/m-Xylene	ND	1.14	--	ND	4.95	--		2.838
Bromoform	ND	0.568	--	ND	5.87	--		2.838

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-01 D
Client ID: SV-10_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 09:40
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.568	--	ND	2.42	--		2.838
1,1,2,2-Tetrachloroethane	ND	0.568	--	ND	3.90	--		2.838
o-Xylene	ND	0.568	--	ND	2.47	--		2.838
4-Ethyltoluene	ND	0.568	--	ND	2.79	--		2.838
1,3,5-Trimethylbenzene	ND	0.568	--	ND	2.79	--		2.838
1,2,4-Trimethylbenzene	ND	0.568	--	ND	2.79	--		2.838
Benzyl chloride	ND	0.568	--	ND	2.94	--		2.838
1,3-Dichlorobenzene	ND	0.568	--	ND	3.41	--		2.838
1,4-Dichlorobenzene	ND	0.568	--	ND	3.41	--		2.838
1,2-Dichlorobenzene	ND	0.568	--	ND	3.41	--		2.838
1,2,4-Trichlorobenzene	ND	0.568	--	ND	4.22	--		2.838
Hexachlorobutadiene	ND	0.568	--	ND	6.06	--		2.838

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	100		60-140

Project Name:	GREENPOINT LANDING	***Lab Number:***	L1318455
Project Number:	170229002	***Report Date:***	09/25/13

SAMPLE RESULTS

Lab ID:	L1318455-01 D2	Date Collected:	09/18/13 09:40
Client ID:	SV-10_20130918	Date Received:	09/18/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	09/21/13 09:30		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Propylene	324	2.84	--	558	4.89	--		5.676

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	97		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	97		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-02 D
Client ID: SV-12_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 19:58
Analyst: RY

Date Collected: 09/18/13 11:25
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	11.0	1.50	--	18.9	2.58	--		2.99
Dichlorodifluoromethane	ND	0.598	--	ND	2.96	--		2.99
Chloromethane	ND	0.598	--	ND	1.23	--		2.99
Freon-114	ND	0.598	--	ND	4.18	--		2.99
Vinyl chloride	ND	0.598	--	ND	1.53	--		2.99
1,3-Butadiene	ND	0.598	--	ND	1.32	--		2.99
Bromomethane	ND	0.598	--	ND	2.32	--		2.99
Chloroethane	ND	0.598	--	ND	1.58	--		2.99
Ethanol	8.72	7.48	--	16.4	14.1	--		2.99
Vinyl bromide	ND	0.598	--	ND	2.61	--		2.99
Acetone	156	2.99	--	371	7.10	--		2.99
Trichlorofluoromethane	ND	0.598	--	ND	3.36	--		2.99
Isopropanol	1.52	1.50	--	3.74	3.69	--		2.99
1,1-Dichloroethene	ND	0.598	--	ND	2.37	--		2.99
Methylene chloride	ND	2.99	--	ND	10.4	--		2.99
3-Chloropropene	ND	0.598	--	ND	1.87	--		2.99
Carbon disulfide	ND	0.598	--	ND	1.86	--		2.99
Freon-113	ND	0.598	--	ND	4.58	--		2.99
trans-1,2-Dichloroethene	ND	0.598	--	ND	2.37	--		2.99
1,1-Dichloroethane	ND	0.598	--	ND	2.42	--		2.99
Methyl tert butyl ether	ND	0.598	--	ND	2.16	--		2.99
Vinyl acetate	ND	0.598	--	ND	2.11	--		2.99
2-Butanone	4.87	0.598	--	14.4	1.76	--		2.99
cis-1,2-Dichloroethene	ND	0.598	--	ND	2.37	--		2.99

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-02 D
Client ID: SV-12_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 11:25
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	2.56	1.50	--	9.23	5.41	--		2.99
Chloroform	ND	0.598	--	ND	2.92	--		2.99
Tetrahydrofuran	ND	0.598	--	ND	1.76	--		2.99
1,2-Dichloroethane	ND	0.598	--	ND	2.42	--		2.99
n-Hexane	3.26	0.598	--	11.5	2.11	--		2.99
1,1,1-Trichloroethane	ND	0.598	--	ND	3.26	--		2.99
Benzene	ND	0.598	--	ND	1.91	--		2.99
Carbon tetrachloride	ND	0.598	--	ND	3.76	--		2.99
Cyclohexane	ND	0.598	--	ND	2.06	--		2.99
1,2-Dichloropropane	ND	0.598	--	ND	2.76	--		2.99
Bromodichloromethane	ND	0.598	--	ND	4.01	--		2.99
1,4-Dioxane	ND	0.598	--	ND	2.16	--		2.99
Trichloroethene	ND	0.598	--	ND	3.21	--		2.99
2,2,4-Trimethylpentane	ND	0.598	--	ND	2.79	--		2.99
Heptane	2.33	0.598	--	9.55	2.45	--		2.99
cis-1,3-Dichloropropene	ND	0.598	--	ND	2.71	--		2.99
4-Methyl-2-pentanone	ND	0.598	--	ND	2.45	--		2.99
trans-1,3-Dichloropropene	ND	0.598	--	ND	2.71	--		2.99
1,1,2-Trichloroethane	ND	0.598	--	ND	3.26	--		2.99
Toluene	1.14	0.598	--	4.30	2.25	--		2.99
2-Hexanone	ND	0.598	--	ND	2.45	--		2.99
Dibromochloromethane	ND	0.598	--	ND	5.09	--		2.99
1,2-Dibromoethane	ND	0.598	--	ND	4.60	--		2.99
Tetrachloroethene	ND	0.598	--	ND	4.06	--		2.99
Chlorobenzene	ND	0.598	--	ND	2.75	--		2.99
Ethylbenzene	ND	0.598	--	ND	2.60	--		2.99
p/m-Xylene	ND	1.20	--	ND	5.21	--		2.99
Bromoform	ND	0.598	--	ND	6.18	--		2.99

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-02 D
Client ID: SV-12_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 11:25
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.598	--	ND	2.55	--		2.99
1,1,2,2-Tetrachloroethane	ND	0.598	--	ND	4.11	--		2.99
o-Xylene	ND	0.598	--	ND	2.60	--		2.99
4-Ethyltoluene	ND	0.598	--	ND	2.94	--		2.99
1,3,5-Trimethylbenzene	ND	0.598	--	ND	2.94	--		2.99
1,2,4-Trimethylbenzene	ND	0.598	--	ND	2.94	--		2.99
Benzyl chloride	ND	0.598	--	ND	3.10	--		2.99
1,3-Dichlorobenzene	ND	0.598	--	ND	3.60	--		2.99
1,4-Dichlorobenzene	ND	0.598	--	ND	3.60	--		2.99
1,2-Dichlorobenzene	ND	0.598	--	ND	3.60	--		2.99
1,2,4-Trichlorobenzene	ND	0.598	--	ND	4.44	--		2.99
Hexachlorobutadiene	ND	0.598	--	ND	6.38	--		2.99

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	91		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-03 D
Client ID: AA02_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 20:30
Analyst: RY

Date Collected: 09/18/13 10:09
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	1.37	--	ND	2.36	--		2.741
Dichlorodifluoromethane	0.581	0.548	--	2.87	2.71	--		2.741
Chloromethane	ND	0.548	--	ND	1.13	--		2.741
Freon-114	ND	0.548	--	ND	3.83	--		2.741
Vinyl chloride	ND	0.548	--	ND	1.40	--		2.741
1,3-Butadiene	ND	0.548	--	ND	1.21	--		2.741
Bromomethane	ND	0.548	--	ND	2.13	--		2.741
Chloroethane	ND	0.548	--	ND	1.45	--		2.741
Ethanol	ND	6.85	--	ND	12.9	--		2.741
Vinyl bromide	ND	0.548	--	ND	2.40	--		2.741
Acetone	3.83	2.74	--	9.10	6.51	--		2.741
Trichlorofluoromethane	ND	0.548	--	ND	3.08	--		2.741
Isopropanol	ND	1.37	--	ND	3.37	--		2.741
1,1-Dichloroethene	ND	0.548	--	ND	2.17	--		2.741
Methylene chloride	ND	2.74	--	ND	9.52	--		2.741
3-Chloropropene	ND	0.548	--	ND	1.72	--		2.741
Carbon disulfide	ND	0.548	--	ND	1.71	--		2.741
Freon-113	ND	0.548	--	ND	4.20	--		2.741
trans-1,2-Dichloroethene	ND	0.548	--	ND	2.17	--		2.741
1,1-Dichloroethane	ND	0.548	--	ND	2.22	--		2.741
Methyl tert butyl ether	ND	0.548	--	ND	1.98	--		2.741
Vinyl acetate	ND	0.548	--	ND	1.93	--		2.741
2-Butanone	ND	0.548	--	ND	1.62	--		2.741
cis-1,2-Dichloroethene	ND	0.548	--	ND	2.17	--		2.741

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-03 D
Client ID: AA02_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 10:09
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.37	--	ND	4.94	--		2.741
Chloroform	ND	0.548	--	ND	2.68	--		2.741
Tetrahydrofuran	ND	0.548	--	ND	1.62	--		2.741
1,2-Dichloroethane	ND	0.548	--	ND	2.22	--		2.741
n-Hexane	ND	0.548	--	ND	1.93	--		2.741
1,1,1-Trichloroethane	ND	0.548	--	ND	2.99	--		2.741
Benzene	ND	0.548	--	ND	1.75	--		2.741
Carbon tetrachloride	ND	0.548	--	ND	3.45	--		2.741
Cyclohexane	ND	0.548	--	ND	1.89	--		2.741
1,2-Dichloropropane	ND	0.548	--	ND	2.53	--		2.741
Bromodichloromethane	ND	0.548	--	ND	3.67	--		2.741
1,4-Dioxane	ND	0.548	--	ND	1.97	--		2.741
Trichloroethene	ND	0.548	--	ND	2.95	--		2.741
2,2,4-Trimethylpentane	ND	0.548	--	ND	2.56	--		2.741
Heptane	ND	0.548	--	ND	2.25	--		2.741
cis-1,3-Dichloropropene	ND	0.548	--	ND	2.49	--		2.741
4-Methyl-2-pentanone	ND	0.548	--	ND	2.25	--		2.741
trans-1,3-Dichloropropene	ND	0.548	--	ND	2.49	--		2.741
1,1,2-Trichloroethane	ND	0.548	--	ND	2.99	--		2.741
Toluene	0.595	0.548	--	2.24	2.07	--		2.741
2-Hexanone	ND	0.548	--	ND	2.25	--		2.741
Dibromochloromethane	ND	0.548	--	ND	4.67	--		2.741
1,2-Dibromoethane	ND	0.548	--	ND	4.21	--		2.741
Tetrachloroethene	ND	0.548	--	ND	3.72	--		2.741
Chlorobenzene	ND	0.548	--	ND	2.52	--		2.741
Ethylbenzene	ND	0.548	--	ND	2.38	--		2.741
p/m-Xylene	ND	1.10	--	ND	4.78	--		2.741
Bromoform	ND	0.548	--	ND	5.67	--		2.741

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-03 D
Client ID: AA02_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 10:09
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.548	--	ND	2.33	--		2.741
1,1,2,2-Tetrachloroethane	ND	0.548	--	ND	3.76	--		2.741
o-Xylene	ND	0.548	--	ND	2.38	--		2.741
4-Ethyltoluene	ND	0.548	--	ND	2.69	--		2.741
1,3,5-Trimethylbenzene	ND	0.548	--	ND	2.69	--		2.741
1,2,4-Trimethylbenzene	ND	0.548	--	ND	2.69	--		2.741
Benzyl chloride	ND	0.548	--	ND	2.84	--		2.741
1,3-Dichlorobenzene	ND	0.548	--	ND	3.29	--		2.741
1,4-Dichlorobenzene	ND	0.548	--	ND	3.29	--		2.741
1,2-Dichlorobenzene	ND	0.548	--	ND	3.29	--		2.741
1,2,4-Trichlorobenzene	ND	0.548	--	ND	4.07	--		2.741
Hexachlorobutadiene	ND	0.548	--	ND	5.85	--		2.741

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	90		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-04 D
Client ID: SV-9_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 21:02
Analyst: RY

Date Collected: 09/18/13 10:33
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	13.2	1.33	--	22.7	2.29	--		2.661
Dichlorodifluoromethane	ND	0.532	--	ND	2.63	--		2.661
Chloromethane	0.737	0.532	--	1.52	1.10	--		2.661
Freon-114	ND	0.532	--	ND	3.72	--		2.661
Vinyl chloride	ND	0.532	--	ND	1.36	--		2.661
1,3-Butadiene	ND	0.532	--	ND	1.18	--		2.661
Bromomethane	ND	0.532	--	ND	2.07	--		2.661
Chloroethane	ND	0.532	--	ND	1.40	--		2.661
Ethanol	ND	6.65	--	ND	12.5	--		2.661
Vinyl bromide	ND	0.532	--	ND	2.33	--		2.661
Acetone	94.3	2.66	--	224	6.32	--		2.661
Trichlorofluoromethane	0.628	0.532	--	3.53	2.99	--		2.661
Isopropanol	ND	1.33	--	ND	3.27	--		2.661
1,1-Dichloroethene	ND	0.532	--	ND	2.11	--		2.661
Methylene chloride	ND	2.66	--	ND	9.24	--		2.661
3-Chloropropene	ND	0.532	--	ND	1.67	--		2.661
Carbon disulfide	67.8	0.532	--	211	1.66	--		2.661
Freon-113	ND	0.532	--	ND	4.08	--		2.661
trans-1,2-Dichloroethene	ND	0.532	--	ND	2.11	--		2.661
1,1-Dichloroethane	ND	0.532	--	ND	2.15	--		2.661
Methyl tert butyl ether	ND	0.532	--	ND	1.92	--		2.661
Vinyl acetate	ND	0.532	--	ND	1.87	--		2.661
2-Butanone	3.53	0.532	--	10.4	1.57	--		2.661
cis-1,2-Dichloroethene	ND	0.532	--	ND	2.11	--		2.661

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-04 D
Client ID: SV-9_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 10:33
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.33	--	ND	4.79	--		2.661
Chloroform	ND	0.532	--	ND	2.60	--		2.661
Tetrahydrofuran	ND	0.532	--	ND	1.57	--		2.661
1,2-Dichloroethane	ND	0.532	--	ND	2.15	--		2.661
n-Hexane	1.58	0.532	--	5.57	1.87	--		2.661
1,1,1-Trichloroethane	ND	0.532	--	ND	2.90	--		2.661
Benzene	0.992	0.532	--	3.17	1.70	--		2.661
Carbon tetrachloride	ND	0.532	--	ND	3.35	--		2.661
Cyclohexane	0.812	0.532	--	2.80	1.83	--		2.661
1,2-Dichloropropane	ND	0.532	--	ND	2.46	--		2.661
Bromodichloromethane	ND	0.532	--	ND	3.56	--		2.661
1,4-Dioxane	ND	0.532	--	ND	1.92	--		2.661
Trichloroethene	ND	0.532	--	ND	2.86	--		2.661
2,2,4-Trimethylpentane	0.620	0.532	--	2.90	2.48	--		2.661
Heptane	1.02	0.532	--	4.18	2.18	--		2.661
cis-1,3-Dichloropropene	ND	0.532	--	ND	2.42	--		2.661
4-Methyl-2-pentanone	ND	0.532	--	ND	2.18	--		2.661
trans-1,3-Dichloropropene	ND	0.532	--	ND	2.42	--		2.661
1,1,2-Trichloroethane	ND	0.532	--	ND	2.90	--		2.661
Toluene	4.29	0.532	--	16.2	2.00	--		2.661
2-Hexanone	ND	0.532	--	ND	2.18	--		2.661
Dibromochloromethane	ND	0.532	--	ND	4.53	--		2.661
1,2-Dibromoethane	ND	0.532	--	ND	4.09	--		2.661
Tetrachloroethene	ND	0.532	--	ND	3.61	--		2.661
Chlorobenzene	ND	0.532	--	ND	2.45	--		2.661
Ethylbenzene	ND	0.532	--	ND	2.31	--		2.661
p/m-Xylene	1.34	1.06	--	5.82	4.60	--		2.661
Bromoform	ND	0.532	--	ND	5.50	--		2.661

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-04 D
Client ID: SV-9_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 10:33
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.532	--	ND	2.27	--		2.661
1,1,2,2-Tetrachloroethane	ND	0.532	--	ND	3.65	--		2.661
o-Xylene	ND	0.532	--	ND	2.31	--		2.661
4-Ethyltoluene	ND	0.532	--	ND	2.62	--		2.661
1,3,5-Trimethylbenzene	ND	0.532	--	ND	2.62	--		2.661
1,2,4-Trimethylbenzene	ND	0.532	--	ND	2.62	--		2.661
Benzyl chloride	ND	0.532	--	ND	2.75	--		2.661
1,3-Dichlorobenzene	ND	0.532	--	ND	3.20	--		2.661
1,4-Dichlorobenzene	ND	0.532	--	ND	3.20	--		2.661
1,2-Dichlorobenzene	ND	0.532	--	ND	3.20	--		2.661
1,2,4-Trichlorobenzene	ND	0.532	--	ND	3.95	--		2.661
Hexachlorobutadiene	ND	0.532	--	ND	5.67	--		2.661

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-05 D
Client ID: SV-6_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 21:34
Analyst: RY

Date Collected: 09/18/13 10:47
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	3.73	1.35	--	6.42	2.32	--		2.7
Dichlorodifluoromethane	0.562	0.540	--	2.78	2.67	--		2.7
Chloromethane	1.23	0.540	--	2.54	1.12	--		2.7
Freon-114	ND	0.540	--	ND	3.77	--		2.7
Vinyl chloride	ND	0.540	--	ND	1.38	--		2.7
1,3-Butadiene	ND	0.540	--	ND	1.19	--		2.7
Bromomethane	ND	0.540	--	ND	2.10	--		2.7
Chloroethane	ND	0.540	--	ND	1.42	--		2.7
Ethanol	9.42	6.75	--	17.7	12.7	--		2.7
Vinyl bromide	ND	0.540	--	ND	2.36	--		2.7
Acetone	153	2.70	--	363	6.41	--		2.7
Trichlorofluoromethane	ND	0.540	--	ND	3.03	--		2.7
Isopropanol	3.11	1.35	--	7.64	3.32	--		2.7
1,1-Dichloroethene	ND	0.540	--	ND	2.14	--		2.7
Methylene chloride	ND	2.70	--	ND	9.38	--		2.7
3-Chloropropene	ND	0.540	--	ND	1.69	--		2.7
Carbon disulfide	ND	0.540	--	ND	1.68	--		2.7
Freon-113	ND	0.540	--	ND	4.14	--		2.7
trans-1,2-Dichloroethene	ND	0.540	--	ND	2.14	--		2.7
1,1-Dichloroethane	ND	0.540	--	ND	2.19	--		2.7
Methyl tert butyl ether	ND	0.540	--	ND	1.95	--		2.7
Vinyl acetate	ND	0.540	--	ND	1.90	--		2.7
2-Butanone	2.70	0.540	--	7.96	1.59	--		2.7
cis-1,2-Dichloroethene	ND	0.540	--	ND	2.14	--		2.7

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-05 D
Client ID: SV-6_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 10:47
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.68	1.35	--	6.05	4.86	--		2.7
Chloroform	ND	0.540	--	ND	2.64	--		2.7
Tetrahydrofuran	ND	0.540	--	ND	1.59	--		2.7
1,2-Dichloroethane	ND	0.540	--	ND	2.19	--		2.7
n-Hexane	3.49	0.540	--	12.3	1.90	--		2.7
1,1,1-Trichloroethane	ND	0.540	--	ND	2.95	--		2.7
Benzene	3.06	0.540	--	9.78	1.73	--		2.7
Carbon tetrachloride	ND	0.540	--	ND	3.40	--		2.7
Cyclohexane	ND	0.540	--	ND	1.86	--		2.7
1,2-Dichloropropane	ND	0.540	--	ND	2.50	--		2.7
Bromodichloromethane	ND	0.540	--	ND	3.62	--		2.7
1,4-Dioxane	ND	0.540	--	ND	1.95	--		2.7
Trichloroethene	ND	0.540	--	ND	2.90	--		2.7
2,2,4-Trimethylpentane	ND	0.540	--	ND	2.52	--		2.7
Heptane	ND	0.540	--	ND	2.21	--		2.7
cis-1,3-Dichloropropene	ND	0.540	--	ND	2.45	--		2.7
4-Methyl-2-pentanone	ND	0.540	--	ND	2.21	--		2.7
trans-1,3-Dichloropropene	ND	0.540	--	ND	2.45	--		2.7
1,1,2-Trichloroethane	ND	0.540	--	ND	2.95	--		2.7
Toluene	2.94	0.540	--	11.1	2.03	--		2.7
2-Hexanone	ND	0.540	--	ND	2.21	--		2.7
Dibromochloromethane	ND	0.540	--	ND	4.60	--		2.7
1,2-Dibromoethane	ND	0.540	--	ND	4.15	--		2.7
Tetrachloroethene	ND	0.540	--	ND	3.66	--		2.7
Chlorobenzene	ND	0.540	--	ND	2.49	--		2.7
Ethylbenzene	ND	0.540	--	ND	2.35	--		2.7
p/m-Xylene	3.70	1.08	--	16.1	4.69	--		2.7
Bromoform	ND	0.540	--	ND	5.58	--		2.7

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-05 D
Client ID: SV-6_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 10:47
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.540	--	ND	2.30	--		2.7
1,1,2,2-Tetrachloroethane	ND	0.540	--	ND	3.71	--		2.7
o-Xylene	2.10	0.540	--	9.12	2.35	--		2.7
4-Ethyltoluene	ND	0.540	--	ND	2.65	--		2.7
1,3,5-Trimethylbenzene	ND	0.540	--	ND	2.65	--		2.7
1,2,4-Trimethylbenzene	0.688	0.540	--	3.38	2.65	--		2.7
Benzyl chloride	ND	0.540	--	ND	2.80	--		2.7
1,3-Dichlorobenzene	ND	0.540	--	ND	3.25	--		2.7
1,4-Dichlorobenzene	ND	0.540	--	ND	3.25	--		2.7
1,2-Dichlorobenzene	ND	0.540	--	ND	3.25	--		2.7
1,2,4-Trichlorobenzene	ND	0.540	--	ND	4.01	--		2.7
Hexachlorobutadiene	ND	0.540	--	ND	5.76	--		2.7

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-06 D
Client ID: SV-5_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 22:06
Analyst: RY

Date Collected: 09/18/13 13:17
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	3.87	1.36	--	6.66	2.34	--		2.716
Dichlorodifluoromethane	ND	0.543	--	ND	2.69	--		2.716
Chloromethane	0.755	0.543	--	1.56	1.12	--		2.716
Freon-114	ND	0.543	--	ND	3.80	--		2.716
Vinyl chloride	ND	0.543	--	ND	1.39	--		2.716
1,3-Butadiene	ND	0.543	--	ND	1.20	--		2.716
Bromomethane	ND	0.543	--	ND	2.11	--		2.716
Chloroethane	ND	0.543	--	ND	1.43	--		2.716
Ethanol	9.65	6.79	--	18.2	12.8	--		2.716
Vinyl bromide	ND	0.543	--	ND	2.37	--		2.716
Acetone	118	2.72	--	280	6.46	--		2.716
Trichlorofluoromethane	ND	0.543	--	ND	3.05	--		2.716
Isopropanol	2.15	1.36	--	5.28	3.34	--		2.716
1,1-Dichloroethene	ND	0.543	--	ND	2.15	--		2.716
Methylene chloride	ND	2.72	--	ND	9.45	--		2.716
3-Chloropropene	ND	0.543	--	ND	1.70	--		2.716
Carbon disulfide	19.6	0.543	--	61.0	1.69	--		2.716
Freon-113	ND	0.543	--	ND	4.16	--		2.716
trans-1,2-Dichloroethene	ND	0.543	--	ND	2.15	--		2.716
1,1-Dichloroethane	ND	0.543	--	ND	2.20	--		2.716
Methyl tert butyl ether	ND	0.543	--	ND	1.96	--		2.716
Vinyl acetate	ND	0.543	--	ND	1.91	--		2.716
2-Butanone	8.70	0.543	--	25.7	1.60	--		2.716
cis-1,2-Dichloroethene	ND	0.543	--	ND	2.15	--		2.716

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-06 D
Client ID: SV-5_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 13:17
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.36	--	ND	4.90	--		2.716
Chloroform	ND	0.543	--	ND	2.65	--		2.716
Tetrahydrofuran	ND	0.543	--	ND	1.60	--		2.716
1,2-Dichloroethane	ND	0.543	--	ND	2.20	--		2.716
n-Hexane	1.77	0.543	--	6.24	1.91	--		2.716
1,1,1-Trichloroethane	ND	0.543	--	ND	2.96	--		2.716
Benzene	1.06	0.543	--	3.39	1.73	--		2.716
Carbon tetrachloride	ND	0.543	--	ND	3.42	--		2.716
Cyclohexane	ND	0.543	--	ND	1.87	--		2.716
1,2-Dichloropropane	ND	0.543	--	ND	2.51	--		2.716
Bromodichloromethane	ND	0.543	--	ND	3.64	--		2.716
1,4-Dioxane	ND	0.543	--	ND	1.96	--		2.716
Trichloroethene	ND	0.543	--	ND	2.92	--		2.716
2,2,4-Trimethylpentane	0.885	0.543	--	4.13	2.54	--		2.716
Heptane	1.34	0.543	--	5.49	2.23	--		2.716
cis-1,3-Dichloropropene	ND	0.543	--	ND	2.47	--		2.716
4-Methyl-2-pentanone	ND	0.543	--	ND	2.23	--		2.716
trans-1,3-Dichloropropene	ND	0.543	--	ND	2.47	--		2.716
1,1,2-Trichloroethane	ND	0.543	--	ND	2.96	--		2.716
Toluene	1.52	0.543	--	5.73	2.05	--		2.716
2-Hexanone	0.549	0.543	--	2.25	2.23	--		2.716
Dibromochloromethane	ND	0.543	--	ND	4.63	--		2.716
1,2-Dibromoethane	ND	0.543	--	ND	4.17	--		2.716
Tetrachloroethene	1.01	0.543	--	6.85	3.68	--		2.716
Chlorobenzene	ND	0.543	--	ND	2.50	--		2.716
Ethylbenzene	0.644	0.543	--	2.80	2.36	--		2.716
p/m-Xylene	2.26	1.09	--	9.82	4.73	--		2.716
Bromoform	ND	0.543	--	ND	5.61	--		2.716

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-06 D
Client ID: SV-5_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 13:17
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.543	--	ND	2.31	--		2.716
1,1,2,2-Tetrachloroethane	ND	0.543	--	ND	3.73	--		2.716
o-Xylene	1.15	0.543	--	5.00	2.36	--		2.716
4-Ethyltoluene	ND	0.543	--	ND	2.67	--		2.716
1,3,5-Trimethylbenzene	ND	0.543	--	ND	2.67	--		2.716
1,2,4-Trimethylbenzene	ND	0.543	--	ND	2.67	--		2.716
Benzyl chloride	ND	0.543	--	ND	2.81	--		2.716
1,3-Dichlorobenzene	ND	0.543	--	ND	3.26	--		2.716
1,4-Dichlorobenzene	ND	0.543	--	ND	3.26	--		2.716
1,2-Dichlorobenzene	ND	0.543	--	ND	3.26	--		2.716
1,2,4-Trichlorobenzene	ND	0.543	--	ND	4.03	--		2.716
Hexachlorobutadiene	ND	0.543	--	ND	5.79	--		2.716

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	91		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-07 D
Client ID: SV-3_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 22:38
Analyst: RY

Date Collected: 09/18/13 14:03
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	7.19	1.40	--	12.4	2.41	--		2.811
Dichlorodifluoromethane	0.635	0.562	--	3.14	2.78	--		2.811
Chloromethane	0.961	0.562	--	1.98	1.16	--		2.811
Freon-114	ND	0.562	--	ND	3.93	--		2.811
Vinyl chloride	ND	0.562	--	ND	1.44	--		2.811
1,3-Butadiene	ND	0.562	--	ND	1.24	--		2.811
Bromomethane	ND	0.562	--	ND	2.18	--		2.811
Chloroethane	ND	0.562	--	ND	1.48	--		2.811
Ethanol	7.69	7.03	--	14.5	13.2	--		2.811
Vinyl bromide	ND	0.562	--	ND	2.46	--		2.811
Acetone	118	2.81	--	280	6.68	--		2.811
Trichlorofluoromethane	ND	0.562	--	ND	3.16	--		2.811
Isopropanol	ND	1.40	--	ND	3.44	--		2.811
1,1-Dichloroethene	ND	0.562	--	ND	2.23	--		2.811
Methylene chloride	8.61	2.81	--	29.9	9.76	--		2.811
3-Chloropropene	ND	0.562	--	ND	1.76	--		2.811
Carbon disulfide	8.49	0.562	--	26.4	1.75	--		2.811
Freon-113	ND	0.562	--	ND	4.31	--		2.811
trans-1,2-Dichloroethene	ND	0.562	--	ND	2.23	--		2.811
1,1-Dichloroethane	ND	0.562	--	ND	2.27	--		2.811
Methyl tert butyl ether	ND	0.562	--	ND	2.03	--		2.811
Vinyl acetate	ND	0.562	--	ND	1.98	--		2.811
2-Butanone	4.88	0.562	--	14.4	1.66	--		2.811
cis-1,2-Dichloroethene	ND	0.562	--	ND	2.23	--		2.811

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-07 D
Client ID: SV-3_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 14:03
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.40	--	ND	5.05	--		2.811
Chloroform	1.67	0.562	--	8.16	2.74	--		2.811
Tetrahydrofuran	ND	0.562	--	ND	1.66	--		2.811
1,2-Dichloroethane	ND	0.562	--	ND	2.27	--		2.811
n-Hexane	2.58	0.562	--	9.09	1.98	--		2.811
1,1,1-Trichloroethane	ND	0.562	--	ND	3.07	--		2.811
Benzene	3.96	0.562	--	12.7	1.80	--		2.811
Carbon tetrachloride	ND	0.562	--	ND	3.54	--		2.811
Cyclohexane	5.72	0.562	--	19.7	1.93	--		2.811
1,2-Dichloropropane	46.5	0.562	--	215	2.60	--		2.811
Bromodichloromethane	ND	0.562	--	ND	3.77	--		2.811
1,4-Dioxane	ND	0.562	--	ND	2.03	--		2.811
Trichloroethene	2.21	0.562	--	11.9	3.02	--		2.811
2,2,4-Trimethylpentane	ND	0.562	--	ND	2.62	--		2.811
Heptane	2.02	0.562	--	8.28	2.30	--		2.811
cis-1,3-Dichloropropene	ND	0.562	--	ND	2.55	--		2.811
4-Methyl-2-pentanone	ND	0.562	--	ND	2.30	--		2.811
trans-1,3-Dichloropropene	ND	0.562	--	ND	2.55	--		2.811
1,1,2-Trichloroethane	ND	0.562	--	ND	3.07	--		2.811
Toluene	4.04	0.562	--	15.2	2.12	--		2.811
2-Hexanone	ND	0.562	--	ND	2.30	--		2.811
Dibromochloromethane	ND	0.562	--	ND	4.79	--		2.811
1,2-Dibromoethane	ND	0.562	--	ND	4.32	--		2.811
Tetrachloroethene	7.17	0.562	--	48.6	3.81	--		2.811
Chlorobenzene	ND	0.562	--	ND	2.59	--		2.811
Ethylbenzene	1.24	0.562	--	5.39	2.44	--		2.811
p/m-Xylene	2.49	1.12	--	10.8	4.86	--		2.811
Bromoform	ND	0.562	--	ND	5.81	--		2.811

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-07 D
Client ID: SV-3_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 14:03
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.562	--	ND	2.39	--		2.811
1,1,2,2-Tetrachloroethane	ND	0.562	--	ND	3.86	--		2.811
o-Xylene	1.52	0.562	--	6.60	2.44	--		2.811
4-Ethyltoluene	ND	0.562	--	ND	2.76	--		2.811
1,3,5-Trimethylbenzene	0.565	0.562	--	2.78	2.76	--		2.811
1,2,4-Trimethylbenzene	0.658	0.562	--	3.23	2.76	--		2.811
Benzyl chloride	ND	0.562	--	ND	2.91	--		2.811
1,3-Dichlorobenzene	ND	0.562	--	ND	3.38	--		2.811
1,4-Dichlorobenzene	ND	0.562	--	ND	3.38	--		2.811
1,2-Dichlorobenzene	ND	0.562	--	ND	3.38	--		2.811
1,2,4-Trichlorobenzene	ND	0.562	--	ND	4.17	--		2.811
Hexachlorobutadiene	ND	0.562	--	ND	5.99	--		2.811

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-08 D
Client ID: SV-4_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 23:10
Analyst: RY

Date Collected: 09/18/13 14:25
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	179	1.36	--	308	2.34	--		2.716
Dichlorodifluoromethane	2.46	0.543	--	12.2	2.69	--		2.716
Chloromethane	0.815	0.543	--	1.68	1.12	--		2.716
Freon-114	ND	0.543	--	ND	3.80	--		2.716
Vinyl chloride	ND	0.543	--	ND	1.39	--		2.716
1,3-Butadiene	ND	0.543	--	ND	1.20	--		2.716
Bromomethane	ND	0.543	--	ND	2.11	--		2.716
Chloroethane	ND	0.543	--	ND	1.43	--		2.716
Ethanol	19.1	6.79	--	36.0	12.8	--		2.716
Vinyl bromide	ND	0.543	--	ND	2.37	--		2.716
Acetone	72.0	2.72	--	171	6.46	--		2.716
Trichlorofluoromethane	ND	0.543	--	ND	3.05	--		2.716
Isopropanol	1.51	1.36	--	3.71	3.34	--		2.716
1,1-Dichloroethene	ND	0.543	--	ND	2.15	--		2.716
Methylene chloride	ND	2.72	--	ND	9.45	--		2.716
3-Chloropropene	ND	0.543	--	ND	1.70	--		2.716
Carbon disulfide	64.2	0.543	--	200	1.69	--		2.716
Freon-113	ND	0.543	--	ND	4.16	--		2.716
trans-1,2-Dichloroethene	ND	0.543	--	ND	2.15	--		2.716
1,1-Dichloroethane	ND	0.543	--	ND	2.20	--		2.716
Methyl tert butyl ether	ND	0.543	--	ND	1.96	--		2.716
Vinyl acetate	ND	0.543	--	ND	1.91	--		2.716
2-Butanone	7.97	0.543	--	23.5	1.60	--		2.716
cis-1,2-Dichloroethene	ND	0.543	--	ND	2.15	--		2.716

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-08 D
Client ID: SV-4_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 14:25
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.36	--	ND	4.90	--		2.716
Chloroform	ND	0.543	--	ND	2.65	--		2.716
Tetrahydrofuran	ND	0.543	--	ND	1.60	--		2.716
1,2-Dichloroethane	ND	0.543	--	ND	2.20	--		2.716
n-Hexane	26.2	0.543	--	92.3	1.91	--		2.716
1,1,1-Trichloroethane	ND	0.543	--	ND	2.96	--		2.716
Benzene	1.80	0.543	--	5.75	1.73	--		2.716
Carbon tetrachloride	ND	0.543	--	ND	3.42	--		2.716
Cyclohexane	24.2	0.543	--	83.3	1.87	--		2.716
1,2-Dichloropropane	ND	0.543	--	ND	2.51	--		2.716
Bromodichloromethane	ND	0.543	--	ND	3.64	--		2.716
1,4-Dioxane	ND	0.543	--	ND	1.96	--		2.716
Trichloroethene	ND	0.543	--	ND	2.92	--		2.716
2,2,4-Trimethylpentane	ND	0.543	--	ND	2.54	--		2.716
Heptane	9.54	0.543	--	39.1	2.23	--		2.716
cis-1,3-Dichloropropene	ND	0.543	--	ND	2.47	--		2.716
4-Methyl-2-pentanone	ND	0.543	--	ND	2.23	--		2.716
trans-1,3-Dichloropropene	ND	0.543	--	ND	2.47	--		2.716
1,1,2-Trichloroethane	ND	0.543	--	ND	2.96	--		2.716
Toluene	1.35	0.543	--	5.09	2.05	--		2.716
2-Hexanone	ND	0.543	--	ND	2.23	--		2.716
Dibromochloromethane	ND	0.543	--	ND	4.63	--		2.716
1,2-Dibromoethane	ND	0.543	--	ND	4.17	--		2.716
Tetrachloroethene	65.2	0.543	--	442	3.68	--		2.716
Chlorobenzene	ND	0.543	--	ND	2.50	--		2.716
Ethylbenzene	ND	0.543	--	ND	2.36	--		2.716
p/m-Xylene	ND	1.09	--	ND	4.73	--		2.716
Bromoform	ND	0.543	--	ND	5.61	--		2.716

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-08 D
Client ID: SV-4_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 14:25
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.543	--	ND	2.31	--		2.716
1,1,2,2-Tetrachloroethane	ND	0.543	--	ND	3.73	--		2.716
o-Xylene	ND	0.543	--	ND	2.36	--		2.716
4-Ethyltoluene	ND	0.543	--	ND	2.67	--		2.716
1,3,5-Trimethylbenzene	ND	0.543	--	ND	2.67	--		2.716
1,2,4-Trimethylbenzene	ND	0.543	--	ND	2.67	--		2.716
Benzyl chloride	ND	0.543	--	ND	2.81	--		2.716
1,3-Dichlorobenzene	ND	0.543	--	ND	3.26	--		2.716
1,4-Dichlorobenzene	ND	0.543	--	ND	3.26	--		2.716
1,2-Dichlorobenzene	ND	0.543	--	ND	3.26	--		2.716
1,2,4-Trichlorobenzene	ND	0.543	--	ND	4.03	--		2.716
Hexachlorobutadiene	ND	0.543	--	ND	5.79	--		2.716

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	100		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-09 D
Client ID: SV-2_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/20/13 23:42
Analyst: RY

Date Collected: 09/18/13 14:59
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	12.1	1.35	--	20.8	2.32	--		2.7
Dichlorodifluoromethane	ND	0.540	--	ND	2.67	--		2.7
Chloromethane	ND	0.540	--	ND	1.12	--		2.7
Freon-114	ND	0.540	--	ND	3.77	--		2.7
Vinyl chloride	3.55	0.540	--	9.07	1.38	--		2.7
1,3-Butadiene	ND	0.540	--	ND	1.19	--		2.7
Bromomethane	ND	0.540	--	ND	2.10	--		2.7
Chloroethane	ND	0.540	--	ND	1.42	--		2.7
Ethanol	7.10	6.75	--	13.4	12.7	--		2.7
Vinyl bromide	ND	0.540	--	ND	2.36	--		2.7
Acetone	ND	2.70	--	ND	6.41	--		2.7
Trichlorofluoromethane	ND	0.540	--	ND	3.03	--		2.7
Isopropanol	ND	1.35	--	ND	3.32	--		2.7
1,1-Dichloroethene	ND	0.540	--	ND	2.14	--		2.7
Methylene chloride	ND	2.70	--	ND	9.38	--		2.7
3-Chloropropene	ND	0.540	--	ND	1.69	--		2.7
Carbon disulfide	2.00	0.540	--	6.23	1.68	--		2.7
Freon-113	ND	0.540	--	ND	4.14	--		2.7
trans-1,2-Dichloroethene	ND	0.540	--	ND	2.14	--		2.7
1,1-Dichloroethane	1.07	0.540	--	4.33	2.19	--		2.7
Methyl tert butyl ether	5.48	0.540	--	19.8	1.95	--		2.7
Vinyl acetate	ND	0.540	--	ND	1.90	--		2.7
2-Butanone	1.59	0.540	--	4.69	1.59	--		2.7
cis-1,2-Dichloroethene	0.818	0.540	--	3.24	2.14	--		2.7

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-09 D
Client ID: SV-2_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 14:59
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.35	--	ND	4.86	--		2.7
Chloroform	ND	0.540	--	ND	2.64	--		2.7
Tetrahydrofuran	ND	0.540	--	ND	1.59	--		2.7
1,2-Dichloroethane	ND	0.540	--	ND	2.19	--		2.7
n-Hexane	4.80	0.540	--	16.9	1.90	--		2.7
1,1,1-Trichloroethane	ND	0.540	--	ND	2.95	--		2.7
Benzene	ND	0.540	--	ND	1.73	--		2.7
Carbon tetrachloride	ND	0.540	--	ND	3.40	--		2.7
Cyclohexane	6.42	0.540	--	22.1	1.86	--		2.7
1,2-Dichloropropane	ND	0.540	--	ND	2.50	--		2.7
Bromodichloromethane	ND	0.540	--	ND	3.62	--		2.7
1,4-Dioxane	ND	0.540	--	ND	1.95	--		2.7
Trichloroethene	ND	0.540	--	ND	2.90	--		2.7
2,2,4-Trimethylpentane	ND	0.540	--	ND	2.52	--		2.7
Heptane	2.98	0.540	--	12.2	2.21	--		2.7
cis-1,3-Dichloropropene	ND	0.540	--	ND	2.45	--		2.7
4-Methyl-2-pentanone	ND	0.540	--	ND	2.21	--		2.7
trans-1,3-Dichloropropene	ND	0.540	--	ND	2.45	--		2.7
1,1,2-Trichloroethane	ND	0.540	--	ND	2.95	--		2.7
Toluene	ND	0.540	--	ND	2.03	--		2.7
2-Hexanone	ND	0.540	--	ND	2.21	--		2.7
Dibromochloromethane	ND	0.540	--	ND	4.60	--		2.7
1,2-Dibromoethane	ND	0.540	--	ND	4.15	--		2.7
Tetrachloroethene	ND	0.540	--	ND	3.66	--		2.7
Chlorobenzene	ND	0.540	--	ND	2.49	--		2.7
Ethylbenzene	ND	0.540	--	ND	2.35	--		2.7
p/m-Xylene	ND	1.08	--	ND	4.69	--		2.7
Bromoform	ND	0.540	--	ND	5.58	--		2.7

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-09 D
Client ID: SV-2_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 14:59
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.540	--	ND	2.30	--		2.7
1,1,2,2-Tetrachloroethane	ND	0.540	--	ND	3.71	--		2.7
o-Xylene	ND	0.540	--	ND	2.35	--		2.7
4-Ethyltoluene	ND	0.540	--	ND	2.65	--		2.7
1,3,5-Trimethylbenzene	ND	0.540	--	ND	2.65	--		2.7
1,2,4-Trimethylbenzene	ND	0.540	--	ND	2.65	--		2.7
Benzyl chloride	ND	0.540	--	ND	2.80	--		2.7
1,3-Dichlorobenzene	ND	0.540	--	ND	3.25	--		2.7
1,4-Dichlorobenzene	ND	0.540	--	ND	3.25	--		2.7
1,2-Dichlorobenzene	ND	0.540	--	ND	3.25	--		2.7
1,2,4-Trichlorobenzene	ND	0.540	--	ND	4.01	--		2.7
Hexachlorobutadiene	ND	0.540	--	ND	5.76	--		2.7

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	109		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-10 D
Client ID: SV-1_20130918
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/21/13 08:57
Analyst: RY

Date Collected: 09/18/13 15:53
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Propylene	2.42	1.33	--	4.16	2.29	--		2.661
Dichlorodifluoromethane	0.535	0.532	--	2.65	2.63	--		2.661
Chloromethane	ND	0.532	--	ND	1.10	--		2.661
Freon-114	ND	0.532	--	ND	3.72	--		2.661
Vinyl chloride	ND	0.532	--	ND	1.36	--		2.661
1,3-Butadiene	ND	0.532	--	ND	1.18	--		2.661
Bromomethane	ND	0.532	--	ND	2.07	--		2.661
Chloroethane	ND	0.532	--	ND	1.40	--		2.661
Ethanol	18.6	6.65	--	35.0	12.5	--		2.661
Vinyl bromide	ND	0.532	--	ND	2.33	--		2.661
Acetone	81.3	2.66	--	193	6.32	--		2.661
Trichlorofluoromethane	3.09	0.532	--	17.4	2.99	--		2.661
Isopropanol	ND	1.33	--	ND	3.27	--		2.661
1,1-Dichloroethene	ND	0.532	--	ND	2.11	--		2.661
Methylene chloride	ND	2.66	--	ND	9.24	--		2.661
3-Chloropropene	ND	0.532	--	ND	1.67	--		2.661
Carbon disulfide	17.6	0.532	--	54.8	1.66	--		2.661
Freon-113	ND	0.532	--	ND	4.08	--		2.661
trans-1,2-Dichloroethene	ND	0.532	--	ND	2.11	--		2.661
1,1-Dichloroethane	ND	0.532	--	ND	2.15	--		2.661
Methyl tert butyl ether	ND	0.532	--	ND	1.92	--		2.661
Vinyl acetate	ND	0.532	--	ND	1.87	--		2.661
2-Butanone	2.25	0.532	--	6.64	1.57	--		2.661
cis-1,2-Dichloroethene	ND	0.532	--	ND	2.11	--		2.661

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-10 D
Client ID: SV-1_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 15:53
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.33	--	ND	4.79	--		2.661
Chloroform	0.628	0.532	--	3.07	2.60	--		2.661
Tetrahydrofuran	ND	0.532	--	ND	1.57	--		2.661
1,2-Dichloroethane	ND	0.532	--	ND	2.15	--		2.661
n-Hexane	ND	0.532	--	ND	1.87	--		2.661
1,1,1-Trichloroethane	ND	0.532	--	ND	2.90	--		2.661
Benzene	ND	0.532	--	ND	1.70	--		2.661
Carbon tetrachloride	ND	0.532	--	ND	3.35	--		2.661
Cyclohexane	ND	0.532	--	ND	1.83	--		2.661
1,2-Dichloropropane	ND	0.532	--	ND	2.46	--		2.661
Bromodichloromethane	ND	0.532	--	ND	3.56	--		2.661
1,4-Dioxane	ND	0.532	--	ND	1.92	--		2.661
Trichloroethene	1.32	0.532	--	7.09	2.86	--		2.661
2,2,4-Trimethylpentane	ND	0.532	--	ND	2.48	--		2.661
Heptane	ND	0.532	--	ND	2.18	--		2.661
cis-1,3-Dichloropropene	ND	0.532	--	ND	2.42	--		2.661
4-Methyl-2-pentanone	ND	0.532	--	ND	2.18	--		2.661
trans-1,3-Dichloropropene	ND	0.532	--	ND	2.42	--		2.661
1,1,2-Trichloroethane	ND	0.532	--	ND	2.90	--		2.661
Toluene	0.774	0.532	--	2.92	2.00	--		2.661
2-Hexanone	ND	0.532	--	ND	2.18	--		2.661
Dibromochloromethane	ND	0.532	--	ND	4.53	--		2.661
1,2-Dibromoethane	ND	0.532	--	ND	4.09	--		2.661
Tetrachloroethene	3.71	0.532	--	25.2	3.61	--		2.661
Chlorobenzene	ND	0.532	--	ND	2.45	--		2.661
Ethylbenzene	ND	0.532	--	ND	2.31	--		2.661
p/m-Xylene	1.66	1.06	--	7.21	4.60	--		2.661
Bromoform	ND	0.532	--	ND	5.50	--		2.661

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318455-10 D
Client ID: SV-1_20130918
Sample Location: BROOKLYN, NY
Date Collected: 09/18/13 15:53
Date Received: 09/18/13
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Styrene	ND	0.532	--	ND	2.27	--		2.661
1,1,2,2-Tetrachloroethane	ND	0.532	--	ND	3.65	--		2.661
o-Xylene	0.686	0.532	--	2.98	2.31	--		2.661
4-Ethyltoluene	ND	0.532	--	ND	2.62	--		2.661
1,3,5-Trimethylbenzene	ND	0.532	--	ND	2.62	--		2.661
1,2,4-Trimethylbenzene	ND	0.532	--	ND	2.62	--		2.661
Benzyl chloride	ND	0.532	--	ND	2.75	--		2.661
1,3-Dichlorobenzene	ND	0.532	--	ND	3.20	--		2.661
1,4-Dichlorobenzene	ND	0.532	--	ND	3.20	--		2.661
1,2-Dichlorobenzene	ND	0.532	--	ND	3.20	--		2.661
1,2,4-Trichlorobenzene	ND	0.532	--	ND	3.95	--		2.661
Hexachlorobutadiene	ND	0.532	--	ND	5.67	--		2.661

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	71		60-140
chlorobenzene-d5	98		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/20/13 14:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG637887-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/20/13 14:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG637887-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/20/13 14:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-10 Batch: WG637887-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318455
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG637887-3								
Propylene	95		-		70-130	-		
Dichlorodifluoromethane	101		-		70-130	-		
Chloromethane	98		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	111		-		70-130	-		
Vinyl chloride	103		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	107		-		70-130	-		
Chloroethane	99		-		70-130	-		
Ethyl Alcohol	79		-		70-130	-		
Vinyl bromide	108		-		70-130	-		
Acetone	106		-		70-130	-		
Trichlorofluoromethane	111		-		70-130	-		
iso-Propyl Alcohol	86		-		70-130	-		
1,1-Dichloroethene	100		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	99		-		70-130	-		
Carbon disulfide	99		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	101		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318455
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG637887-3								
Vinyl acetate	106		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	110		-		70-130	-		
Ethyl Acetate	95		-		70-130	-		
Chloroform	106		-		70-130	-		
Tetrahydrofuran	81		-		70-130	-		
1,2-Dichloroethane	100		-		70-130	-		
n-Hexane	84		-		70-130	-		
1,1,1-Trichloroethane	95		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	98		-		70-130	-		
Cyclohexane	83		-		70-130	-		
1,2-Dichloropropane	89		-		70-130	-		
Bromodichloromethane	91		-		70-130	-		
1,4-Dioxane	93		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	86		-		70-130	-		
Heptane	80		-		70-130	-		
cis-1,3-Dichloropropene	94		-		70-130	-		
4-Methyl-2-pentanone	82		-		70-130	-		
trans-1,3-Dichloropropene	80		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318455
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG637887-3								
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	103		-		70-130	-		
2-Hexanone	92		-		70-130	-		
Dibromochloromethane	104		-		70-130	-		
1,2-Dibromoethane	112		-		70-130	-		
Tetrachloroethene	116		-		70-130	-		
Chlorobenzene	109		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	102		-		70-130	-		
Styrene	107		-		70-130	-		
1,1,2,2-Tetrachloroethane	109		-		70-130	-		
o-Xylene	114		-		70-130	-		
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Benzyl chloride	85		-		70-130	-		
1,3-Dichlorobenzene	118		-		70-130	-		
1,4-Dichlorobenzene	117		-		70-130	-		
1,2-Dichlorobenzene	118		-		70-130	-		
1,2,4-Trichlorobenzene	127		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318455
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 Batch: WG637887-3								
Hexachlorobutadiene	120		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318455
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG637887-5 QC Sample: L1318455-01 Client ID: SV-10_20130918						
Propylene	286E	275E	ppbV	4		25
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	1.24	1.26	ppbV	2		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	0.636	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	0.701	0.718	ppbV	2		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	33.4	34.5	ppbV	3		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318455
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG637887-5 QC Sample: L1318455-01 Client ID: SV-10_20130918					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	2.82	2.91	ppbV	3	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	1.82	1.85	ppbV	2	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	242	241	ppbV	0	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	1.66	1.68	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	27.5	27.8	ppbV	1	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318455
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG637887-5 QC Sample: L1318455-01 Client ID: SV-10_20130918					
Heptane	171	170	ppbV	1	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	2.50	2.55	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	0.721	0.715	ppbV	1	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318455
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG637887-5 QC Sample: L1318455-01 Client ID: SV-10_20130918					
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG637887-5 QC Sample: L1318455-01 Client ID: SV-10_20130918					
Propylene	324	306	ppbV	6	25

Project Name: GREENPOINT LANDING

Lab Number: L1318455

Project Number: 170229002

Report Date: 09/25/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1318455-01	SV-10_20130918	0544	#16 AMB	09/17/13	93147		-	-	-	Pass	6.2	6.8	9
L1318455-01	SV-10_20130918	815	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-6.5	-	-	-	-
L1318455-02	SV-12_20130918	0248	#16 SV	09/17/13	93147		-	-	-	Pass	6.3	6.8	8
L1318455-02	SV-12_20130918	852	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-8.9	-	-	-	-
L1318455-03	AA02_20130918	0172	#16 SV	09/17/13	93147		-	-	-	Pass	6.4	6.9	8
L1318455-03	AA02_20130918	698	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.6	-6.6	-	-	-	-
L1318455-04	SV-9_20130918	0117	#16 AMB	09/17/13	93147		-	-	-	Pass	6.6	7.2	9
L1318455-04	SV-9_20130918	715	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-5.9	-	-	-	-
L1318455-05	SV-6_20130918	0092	#16 SV	09/17/13	93147		-	-	-	Pass	6.5	7.1	9
L1318455-05	SV-6_20130918	832	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.6	-6.5	-	-	-	-
L1318455-06	SV-5_20130918	0072	#16 AMB	09/17/13	93147		-	-	-	Pass	6.5	7.1	9
L1318455-06	SV-5_20130918	876	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-6.5	-	-	-	-
L1318455-07	SV-3_20130918	0594	#16 SV	09/17/13	93147		-	-	-	Pass	6.2	6.8	9
L1318455-07	SV-3_20130918	728	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-7.2	-	-	-	-
L1318455-08	SV-4_20130918	0102	#16 SV	09/17/13	93147		-	-	-	Pass	6.3	6.8	8

Project Name: GREENPOINT LANDING

Lab Number: L1318455

Project Number: 170229002

Report Date: 09/25/13

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1318455-08	SV-4_20130918	797	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.5	-7.0	-	-	-	-
L1318455-09	SV-2_20130918	0249	#16 SV	09/17/13	93147		-	-	-	Pass	6.5	6.6	2
L1318455-09	SV-2_20130918	571	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-6.2	-	-	-	-
L1318455-10	SV-1_20130918	0024	#16 AMB	09/17/13	93147		-	-	-	Pass	6.2	6.7	8
L1318455-10	SV-1_20130918	826	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-6.1	-	-	-	-
L1318455-11	CAN 831	0410	#16 AMB	09/17/13	93147		-	-	-	Pass	6.7	6.7	0
L1318455-11	CAN 831	831	1.0L Can	09/17/13	93147	L1317392-02	Pass	-29.7	-29.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/25/13

Air Canister Certification Results

Lab ID:	L1317392-02	Date Collected:	09/05/13 16:12
Client ID:	CAN 778 SHELF 14	Date Received:	09/06/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	09/06/13 17:41		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/25/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/25/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/25/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/25/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/25/13

Air Canister Certification Results

Lab ID:	L1317392-02	Date Collected:	09/05/13 16:12
Client ID:	CAN 778 SHELF 14	Date Received:	09/06/13
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/13 17:41		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/25/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1317392

Project Number: CANISTER QC BAT **Report Date:** 09/25/13

Air Canister Certification Results

Lab ID: L1317392-02 Date Collected: 09/05/13 16:12

Client ID: CAN 778 SHELF 14 Date Received: 09/06/13

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318455
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318455-01A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-02A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-03A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-04A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-05A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-06A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-07A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-08A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-09A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-10A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1318455-11A	Canister - 1 Liter	N/A	N/A		Y	Present/Intact	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318455
Project Number:	170229002	**Report Date:**	09/25/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: Data Usability Report

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318455
Project Number:	170229002	**Report Date:**	09/25/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D .)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via NJ-DEP.***

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab:

ALPHA Job #: L1318455

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan Engineering, D.P.C
Address: 360 W. 31st Street, 8th FL
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 170229002

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:
1) Provide category B-equivalent Data Deliverables
2) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: USEPA TO-15	Sample Specific Comments	TOTAL # BOTTLES
L1318455-1	SV-10_20130918	9/18/13	0940	SV	SH	X		1
2	SV-12_20130918	9/18/13	1125	SV	SH	X		1
3	AA02_20130915[redacted]	/13	1009	SV	SH	X		1
4	SV-9_20130918	[redacted]/13	1033	SV	SH	X		1
5	SV-6_20130918	9/18/13	1047	SV	SH	X		1
6	SV-5_20130918	9/18/13	1317	SV	SH	X		1
7	SV-3_20130918	9/18/13	1403	SV	SH	X		1
8	SV-4_20130918	9/18/13	1425	SV	SH	X		1
9	SV-2_20130918	9/18/13	1459	SV	SH	X		1
10	SV-1_20130918	9/18/13	1553	SV	SH	X		1

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/18/13 16:06	[signature]	9/18/13 16:06
[signature]	9/18/13 1902	Tony Tolen	9/18/13 1902
Tony Tolen	9/18/13 0838	[signature]	9/19/13 0838
[signature]	9/19/13	Pat Cuno 9/19/13 730 RSC	Pat Cuno 9/19/13 9a

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: Langan Engineering D.P.C.

Address: 360 W 31st Street, 8th FL New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5400

Email: GWYKAS@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mary Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 170229002

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

1) Provide Category B deliverable Data Deliverables

2) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: USEPA Tc15	Sample Specific Comments	Total # Bottles
	SV-10_20130918	9/18/13	0940	SV	SH	X	F.C # 0544 SH	1
	SV-12_20130918	9/18/13	1125	SV	SH	X	F.C # 0248 SH	1
	AA02_20130918	9/18/13	1002	SV	SH	X	F.C # 0172 SH	1
	SV-9_20130918	9/18/13	1033	SV	SH	X	F.C # 0117 SH	1
	SV-6_20130918	9/18/13	1142	SV	SH	X	F.C # 0092 SH	1
	SV-5_20130918	9/18/13	1317	SV	SH	X	F.C # 0072 SH	1
	SV-3_20130918	9/18/13	1403	SV	SH	X	F.C # 0594 SH	1
	SV-4_20130918	9/18/13	1435	SV	SH	X	F.C # 0102 SH	1
	SV-2_20130918	9/18/13	1459	SV	SH	X	F.C # 0249 SH	1
	SV-1_20130918	9/18/13	1553	SV	SH	X	F.C # 0024 SH	1

Container Type

Preservative

SAMPLE HANDLING

Filtration ____

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/18/13 [illegible]	[illegible]	[illegible]

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX J

LABORATORY ANALYTICAL DATA REPORTS – SOIL

ANALYTICAL REPORT

Lab Number:	L1404004
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	02/28/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404004-01	SB-16_0-2	BROOKLYN, NY	02/24/14 14:30
L1404004-02	SB-16_7-9	BROOKLYN, NY	02/24/14 14:50
L1404004-03	SB-17_0-2	BROOKLYN, NY	02/24/14 12:30
L1404004-04	SB-17_7-9	BROOKLYN, NY	02/24/14 12:45
L1404004-05	SB-25_0-2	BROOKLYN, NY	02/24/14 10:30
L1404004-06	SB-25_8-10	BROOKLYN, NY	02/24/14 11:00
L1404004-07	SODUP01_0-2	BROOKLYN, NY	02/24/14 00:00
L1404004-08	SOTB01_022414	BROOKLYN, NY	02/24/14 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1404004
Project Number: 170229002 **Report Date:** 02/28/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404004
Project Number:	170229002	**Report Date:**	02/28/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1404004-07: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1404004-01 has elevated detection limits due to the dilution required by the sample matrix.

L1404004-03, -05 and -07 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the sample matrices.

The surrogate recoveries for L1404004-05 are below the acceptance criteria for 2-fluorophenol, phenol-d6, nitrobenzene-d5, 2-fluorobiphenyl and 4-terphenyl-d14 (all 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

PCBs

The surrogate recoveries for L1404004-03 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Herbicides

The surrogate recoveries for L1404004-07 are below the acceptance criteria for DCAA (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404004
Project Number:	170229002	**Report Date:**	02/28/14

Case Narrative (continued)

Pesticides

L1404004-05 and -06 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1404004-01 through -07 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

The WG672367-4 MS recovery, performed on L1404004-02, is outside the acceptance criteria for mercury (142%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 02/28/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-01	Date Collected:	02/24/14 14:30
Client ID:	SB-16_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/26/14 14:23		
Analyst:	BN		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	800	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	30.	1
Carbon tetrachloride	ND		ug/kg	80	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	80	24.	1
1,1,2-Trichloroethane	ND		ug/kg	120	24.	1
Tetrachloroethene	ND		ug/kg	80	11.	1
Chlorobenzene	ND		ug/kg	80	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.7	1
1,2-Dichloroethane	ND		ug/kg	80	12.	1
1,1,1-Trichloroethane	ND		ug/kg	80	8.8	1
Bromodichloromethane	ND		ug/kg	80	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	80	9.6	1
cis-1,3-Dichloropropene	ND		ug/kg	80	10.	1
1,1-Dichloropropene	ND		ug/kg	400	36.	1
Bromoform	ND		ug/kg	320	33.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	80	14.	1
Benzene	120		ug/kg	80	9.4	1
Toluene	460		ug/kg	120	8.9	1
Ethylbenzene	140		ug/kg	80	12.	1
Chloromethane	ND		ug/kg	400	62.	1
Bromomethane	ND		ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	25.	1
1,1-Dichloroethene	ND		ug/kg	80	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	ND		ug/kg	80	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	15.	1
1,3-Dichlorobenzene	ND		ug/kg	400	15.	1
1,4-Dichlorobenzene	ND		ug/kg	400	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-01 Date Collected: 02/24/14 14:30

Client ID: SB-16_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.3	1
p/m-Xylene	300		ug/kg	160	26.	1
o-Xylene	260		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	80	12.	1
Dibromomethane	ND		ug/kg	800	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	800	17.	1
Acetone	ND		ug/kg	800	250	1
Carbon disulfide	ND		ug/kg	800	160	1
2-Butanone	ND		ug/kg	800	28.	1
Vinyl acetate	ND		ug/kg	800	38.	1
4-Methyl-2-pentanone	ND		ug/kg	800	20.	1
1,2,3-Trichloropropane	ND		ug/kg	800	18.	1
2-Hexanone	ND		ug/kg	800	15.	1
Bromochloromethane	ND		ug/kg	400	16.	1
2,2-Dichloropropane	ND		ug/kg	400	18.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
1,3-Dichloropropane	ND		ug/kg	400	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	80	25.	1
Bromobenzene	ND		ug/kg	400	17.	1
n-Butylbenzene	28	J	ug/kg	80	16.	1
sec-Butylbenzene	26	J	ug/kg	80	16.	1
tert-Butylbenzene	ND		ug/kg	400	45.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	63.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	81		ug/kg	80	13.	1
p-Isopropyltoluene	16	J	ug/kg	80	15.	1
Naphthalene	210	J	ug/kg	400	61.	1
Acrylonitrile	ND		ug/kg	800	19.	1
n-Propylbenzene	93		ug/kg	80	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	63.	1
1,3,5-Trimethylbenzene	23	J	ug/kg	400	11.	1
1,2,4-Trimethylbenzene	120	J	ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	61.	1
Cyclohexane	160	J	ug/kg	1600	86.	1
1,4-Dioxane	ND		ug/kg	8000	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-01	Date Collected:	02/24/14 14:30
Client ID:	SB-16_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	ND		ug/kg	320	13.	1
p-Ethyltoluene	110	J	ug/kg	320	9.3	1
1,2,4,5-Tetramethylbenzene	22	J	ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	550		ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-02	Date Collected:	02/24/14 14:50
Client ID:	SB-16_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/26/14 11:25		
Analyst:	BN		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.4	J	ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.20	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.50	1
Bromoform	ND		ug/kg	4.4	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.5	0.86	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-02 Date Collected: 02/24/14 14:50

Client ID: SB-16_7-9 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	12		ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.53	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.25	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.5	0.22	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.5	0.62	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.87	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.5	0.85	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.87	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.63	1
Methyl Acetate	ND		ug/kg	22	0.84	1
Cyclohexane	ND		ug/kg	22	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-02	Date Collected:	02/24/14 14:50
Client ID:	SB-16_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.49	1
Methyl cyclohexane	ND		ug/kg	4.4	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-03	Date Collected:	02/24/14 12:30
Client ID:	SB-17_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/26/14 11:52		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.9	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.33	1
Dibromochloromethane	ND		ug/kg	1.4	0.44	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.44	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.50	1
Trichlorofluoromethane	ND		ug/kg	7.2	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.2	0.66	1
Bromoform	ND		ug/kg	5.8	0.60	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.25	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.2	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.2	1.1	1
Bromomethane	ND		ug/kg	2.9	0.49	1
Vinyl chloride	ND		ug/kg	2.9	0.20	1
Chloroethane	ND		ug/kg	2.9	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	7.2	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.2	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.2	0.35	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-03 Date Collected: 02/24/14 12:30

Client ID: SB-17_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.9	0.15	1
p/m-Xylene	ND		ug/kg	2.9	0.46	1
o-Xylene	ND		ug/kg	2.9	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Dibromomethane	ND		ug/kg	14	0.24	1
Styrene	ND		ug/kg	2.9	0.45	1
Dichlorodifluoromethane	ND		ug/kg	14	0.32	1
Acetone	22		ug/kg	14	4.5	1
Carbon disulfide	ND		ug/kg	14	2.9	1
2-Butanone	1.7	J	ug/kg	14	0.51	1
Vinyl acetate	ND		ug/kg	14	0.69	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.27	1
Bromochloromethane	ND		ug/kg	7.2	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.2	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.8	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.2	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.46	1
Bromobenzene	ND		ug/kg	7.2	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.30	1
tert-Butylbenzene	ND		ug/kg	7.2	0.81	1
o-Chlorotoluene	ND		ug/kg	7.2	0.23	1
p-Chlorotoluene	ND		ug/kg	7.2	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.2	0.61	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.28	1
Naphthalene	ND		ug/kg	7.2	1.1	1
Acrylonitrile	ND		ug/kg	14	0.34	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.2	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.2	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.2	0.83	1
Methyl Acetate	ND		ug/kg	29	1.1	1
Cyclohexane	ND		ug/kg	29	1.5	1
1,4-Dioxane	ND		ug/kg	140	25.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-03	Date Collected:	02/24/14 12:30
Client ID:	SB-17_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	29	0.39	1
p-Diethylbenzene	ND		ug/kg	5.8	0.23	1
p-Ethyltoluene	ND		ug/kg	5.8	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.8	0.19	1
Ethyl ether	ND		ug/kg	7.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	0.65	1
Methyl cyclohexane	ND		ug/kg	5.8	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-04	Date Collected:	02/24/14 12:45
Client ID:	SB-17_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/26/14 12:20		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.46	1
Bromoform	ND		ug/kg	4.1	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-04 Date Collected: 02/24/14 12:45

Client ID: SB-17_7-9 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	23		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	2.5	J	ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.1	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.80	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.1	0.78	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.80	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.58	1
Methyl Acetate	ND		ug/kg	20	0.77	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-04	Date Collected:	02/24/14 12:45
Client ID:	SB-17_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.45	1
Methyl cyclohexane	ND		ug/kg	4.1	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-05	Date Collected:	02/24/14 10:30
Client ID:	SB-25_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/26/14 14:50		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	660	130	1
1,1-Dichloroethane	ND		ug/kg	99	12.	1
Chloroform	ND		ug/kg	99	24.	1
Carbon tetrachloride	ND		ug/kg	66	14.	1
1,2-Dichloropropane	ND		ug/kg	230	15.	1
Dibromochloromethane	ND		ug/kg	66	20.	1
1,1,2-Trichloroethane	ND		ug/kg	99	20.	1
Tetrachloroethene	ND		ug/kg	66	9.2	1
Chlorobenzene	ND		ug/kg	66	23.	1
Trichlorofluoromethane	ND		ug/kg	330	8.0	1
1,2-Dichloroethane	ND		ug/kg	66	9.6	1
1,1,1-Trichloroethane	ND		ug/kg	66	7.3	1
Bromodichloromethane	ND		ug/kg	66	15.	1
trans-1,3-Dichloropropene	ND		ug/kg	66	8.0	1
cis-1,3-Dichloropropene	ND		ug/kg	66	8.4	1
1,1-Dichloropropene	ND		ug/kg	330	30.	1
Bromoform	ND		ug/kg	260	27.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	11.	1
Benzene	200		ug/kg	66	7.8	1
Toluene	320		ug/kg	99	7.4	1
Ethylbenzene	42	J	ug/kg	66	9.7	1
Chloromethane	ND		ug/kg	330	52.	1
Bromomethane	ND		ug/kg	130	22.	1
Vinyl chloride	ND		ug/kg	130	9.3	1
Chloroethane	ND		ug/kg	130	21.	1
1,1-Dichloroethene	ND		ug/kg	66	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	99	14.	1
Trichloroethene	ND		ug/kg	66	10.	1
1,2-Dichlorobenzene	ND		ug/kg	330	12.	1
1,3-Dichlorobenzene	ND		ug/kg	330	12.	1
1,4-Dichlorobenzene	ND		ug/kg	330	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-05 Date Collected: 02/24/14 10:30

Client ID: SB-25_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	130	6.9	1
p/m-Xylene	430		ug/kg	130	21.	1
o-Xylene	59	J	ug/kg	130	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	66	9.8	1
Dibromomethane	ND		ug/kg	660	11.	1
Styrene	ND		ug/kg	130	20.	1
Dichlorodifluoromethane	ND		ug/kg	660	14.	1
Acetone	ND		ug/kg	660	200	1
Carbon disulfide	ND		ug/kg	660	130	1
2-Butanone	ND		ug/kg	660	23.	1
Vinyl acetate	ND		ug/kg	660	32.	1
4-Methyl-2-pentanone	ND		ug/kg	660	16.	1
1,2,3-Trichloropropane	ND		ug/kg	660	15.	1
2-Hexanone	ND		ug/kg	660	12.	1
Bromochloromethane	ND		ug/kg	330	13.	1
2,2-Dichloropropane	ND		ug/kg	330	15.	1
1,2-Dibromoethane	ND		ug/kg	260	12.	1
1,3-Dichloropropane	ND		ug/kg	330	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	66	21.	1
Bromobenzene	ND		ug/kg	330	14.	1
n-Butylbenzene	ND		ug/kg	66	13.	1
sec-Butylbenzene	ND		ug/kg	66	14.	1
tert-Butylbenzene	ND		ug/kg	330	37.	1
o-Chlorotoluene	ND		ug/kg	330	10.	1
p-Chlorotoluene	ND		ug/kg	330	10.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	330	52.	1
Hexachlorobutadiene	ND		ug/kg	330	28.	1
Isopropylbenzene	ND		ug/kg	66	11.	1
p-Isopropyltoluene	14	J	ug/kg	66	13.	1
Naphthalene	110	J	ug/kg	330	51.	1
Acrylonitrile	ND		ug/kg	660	16.	1
n-Propylbenzene	13	J	ug/kg	66	8.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	330	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	330	52.	1
1,3,5-Trimethylbenzene	64	J	ug/kg	330	9.5	1
1,2,4-Trimethylbenzene	76	J	ug/kg	330	38.	1
Methyl Acetate	ND		ug/kg	1300	50.	1
Cyclohexane	87	J	ug/kg	1300	71.	1
1,4-Dioxane	ND		ug/kg	6600	1100	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-05	Date Collected:	02/24/14 10:30
Client ID:	SB-25_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1300	18.	1
p-Diethylbenzene	ND		ug/kg	260	10.	1
p-Ethyltoluene	110	J	ug/kg	260	7.7	1
1,2,4,5-Tetramethylbenzene	18	J	ug/kg	260	8.6	1
Ethyl ether	ND		ug/kg	330	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	330	30.	1
Methyl cyclohexane	190	J	ug/kg	260	83.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	83		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-06	Date Collected:	02/24/14 11:00
Client ID:	SB-25_8-10	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/26/14 12:48		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.4	J	ug/kg	16	3.3	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.29	1
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.7	0.38	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.50	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.75	1
Bromoform	ND		ug/kg	6.6	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	3.0		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Bromomethane	ND		ug/kg	3.3	0.56	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-06 Date Collected: 02/24/14 11:00

Client ID: SB-25_8-10 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.3	0.17	1
p/m-Xylene	ND		ug/kg	3.3	0.53	1
o-Xylene	ND		ug/kg	3.3	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.51	1
Dichlorodifluoromethane	ND		ug/kg	16	0.36	1
Acetone	18		ug/kg	16	5.1	1
Carbon disulfide	ND		ug/kg	16	3.3	1
2-Butanone	11	J	ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.37	1
2-Hexanone	ND		ug/kg	16	0.31	1
Bromochloromethane	ND		ug/kg	8.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	8.2	0.92	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.69	1
Isopropylbenzene	ND		ug/kg	1.6	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.31	1
Naphthalene	ND		ug/kg	8.2	1.3	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.2	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.2	0.94	1
Methyl Acetate	ND		ug/kg	33	1.2	1
Cyclohexane	ND		ug/kg	33	1.8	1
1,4-Dioxane	ND		ug/kg	160	28.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-06	Date Collected:	02/24/14 11:00
Client ID:	SB-25_8-10	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	33	0.45	1
p-Diethylbenzene	ND		ug/kg	6.6	0.26	1
p-Ethyltoluene	ND		ug/kg	6.6	0.19	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.21	1
Ethyl ether	ND		ug/kg	8.2	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.74	1
Methyl cyclohexane	ND		ug/kg	6.6	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-07	Date Collected:	02/24/14 00:00
Client ID:	SODUP01_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/26/14 15:17		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	740	150	1
1,1-Dichloroethane	ND		ug/kg	110	13.	1
Chloroform	ND		ug/kg	110	27.	1
Carbon tetrachloride	ND		ug/kg	74	16.	1
1,2-Dichloropropane	ND		ug/kg	260	17.	1
Dibromochloromethane	ND		ug/kg	74	23.	1
1,1,2-Trichloroethane	ND		ug/kg	110	22.	1
Tetrachloroethene	ND		ug/kg	74	10.	1
Chlorobenzene	ND		ug/kg	74	26.	1
Trichlorofluoromethane	ND		ug/kg	370	9.0	1
1,2-Dichloroethane	ND		ug/kg	74	11.	1
1,1,1-Trichloroethane	ND		ug/kg	74	8.2	1
Bromodichloromethane	ND		ug/kg	74	17.	1
trans-1,3-Dichloropropene	ND		ug/kg	74	8.9	1
cis-1,3-Dichloropropene	ND		ug/kg	74	9.4	1
1,1-Dichloropropene	ND		ug/kg	370	34.	1
Bromoform	ND		ug/kg	300	31.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	74	13.	1
Benzene	31	J	ug/kg	74	8.7	1
Toluene	150		ug/kg	110	8.3	1
Ethylbenzene	59	J	ug/kg	74	11.	1
Chloromethane	ND		ug/kg	370	58.	1
Bromomethane	ND		ug/kg	150	25.	1
Vinyl chloride	ND		ug/kg	150	10.	1
Chloroethane	ND		ug/kg	150	23.	1
1,1-Dichloroethene	ND		ug/kg	74	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	16.	1
Trichloroethene	ND		ug/kg	74	11.	1
1,2-Dichlorobenzene	ND		ug/kg	370	14.	1
1,3-Dichlorobenzene	ND		ug/kg	370	14.	1
1,4-Dichlorobenzene	ND		ug/kg	370	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-07 Date Collected: 02/24/14 00:00

Client ID: SODUP01_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	150	7.7	1
p/m-Xylene	140	J	ug/kg	150	24.	1
o-Xylene	130	J	ug/kg	150	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	74	11.	1
Dibromomethane	ND		ug/kg	740	12.	1
Styrene	ND		ug/kg	150	23.	1
Dichlorodifluoromethane	ND		ug/kg	740	16.	1
Acetone	ND		ug/kg	740	230	1
Carbon disulfide	ND		ug/kg	740	150	1
2-Butanone	ND		ug/kg	740	26.	1
Vinyl acetate	ND		ug/kg	740	36.	1
4-Methyl-2-pentanone	ND		ug/kg	740	18.	1
1,2,3-Trichloropropane	ND		ug/kg	740	17.	1
2-Hexanone	ND		ug/kg	740	14.	1
Bromochloromethane	ND		ug/kg	370	14.	1
2,2-Dichloropropane	ND		ug/kg	370	17.	1
1,2-Dibromoethane	ND		ug/kg	300	13.	1
1,3-Dichloropropane	ND		ug/kg	370	13.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	74	24.	1
Bromobenzene	ND		ug/kg	370	15.	1
n-Butylbenzene	ND		ug/kg	74	15.	1
sec-Butylbenzene	15	J	ug/kg	74	15.	1
tert-Butylbenzene	ND		ug/kg	370	42.	1
o-Chlorotoluene	ND		ug/kg	370	12.	1
p-Chlorotoluene	ND		ug/kg	370	11.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	370	58.	1
Hexachlorobutadiene	ND		ug/kg	370	31.	1
Isopropylbenzene	48	J	ug/kg	74	12.	1
p-Isopropyltoluene	ND		ug/kg	74	14.	1
Naphthalene	120	J	ug/kg	370	57.	1
Acrylonitrile	ND		ug/kg	740	18.	1
n-Propylbenzene	46	J	ug/kg	74	9.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	370	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	370	58.	1
1,3,5-Trimethylbenzene	15	J	ug/kg	370	11.	1
1,2,4-Trimethylbenzene	67	J	ug/kg	370	42.	1
Methyl Acetate	ND		ug/kg	1500	56.	1
Cyclohexane	96	J	ug/kg	1500	79.	1
1,4-Dioxane	ND		ug/kg	7400	1300	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-07 Date Collected: 02/24/14 00:00

Client ID: SODUP01_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1500	20.	1
p-Diethylbenzene	ND		ug/kg	300	12.	1
p-Ethyltoluene	55	J	ug/kg	300	8.7	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	300	9.6	1
Ethyl ether	ND		ug/kg	370	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	370	33.	1
Methyl cyclohexane	340		ug/kg	300	93.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-08	Date Collected:	02/24/14 00:00
Client ID:	SOTB01_022414	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	02/27/14 18:35		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-08 Date Collected: 02/24/14 00:00

Client ID: SOTB01_022414 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-08	Date Collected:	02/24/14 00:00
Client ID:	SOTB01_022414	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/26/14 08:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-04,06 Batch: WG672451-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.20	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/26/14 08:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-04,06 Batch: WG672451-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	3.1	J	ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/26/14 08:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-04,06 Batch: WG672451-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/26/14 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05,07 Batch: WG672602-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/26/14 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05,07 Batch: WG672602-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/26/14 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05,07 Batch: WG672602-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	11	J	ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/27/14 11:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG672731-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/27/14 11:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG672731-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/27/14 11:25
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG672731-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-04,06 Batch: WG672451-1 WG672451-2								
Methylene chloride	95		97		70-130	2		30
1,1-Dichloroethane	97		99		70-130	2		30
Chloroform	95		94		70-130	1		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	96		98		70-130	2		30
Dibromochloromethane	91		94		70-130	3		30
1,1,2-Trichloroethane	89		94		70-130	5		30
Tetrachloroethene	96		95		70-130	1		30
Chlorobenzene	96		94		70-130	2		30
Trichlorofluoromethane	108		105		70-139	3		30
1,2-Dichloroethane	87		88		70-130	1		30
1,1,1-Trichloroethane	96		96		70-130	0		30
Bromodichloromethane	92		96		70-130	4		30
trans-1,3-Dichloropropene	91		95		70-130	4		30
cis-1,3-Dichloropropene	96		99		70-130	3		30
1,1-Dichloropropene	99		96		70-130	3		30
Bromoform	91		89		70-130	2		30
1,1,2,2-Tetrachloroethane	93		91		70-130	2		30
Benzene	97		96		70-130	1		30
Toluene	91		92		70-130	1		30
Ethylbenzene	96		93		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-04,06 Batch: WG672451-1 WG672451-2								
Chloromethane	94		88		52-130	7		30
Bromomethane	100		99		57-147	1		30
Vinyl chloride	101		93		67-130	8		30
Chloroethane	102		100		50-151	2		30
1,1-Dichloroethene	103		100		65-135	3		30
trans-1,2-Dichloroethene	101		100		70-130	1		30
Trichloroethene	97		93		70-130	4		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	95		93		70-130	2		30
1,4-Dichlorobenzene	94		92		70-130	2		30
Methyl tert butyl ether	97		102		66-130	5		30
p/m-Xylene	97		94		70-130	3		30
o-Xylene	100		95		70-130	5		30
cis-1,2-Dichloroethene	99		97		70-130	2		30
Dibromomethane	93		96		70-130	3		30
Styrene	98		93		70-130	5		30
Dichlorodifluoromethane	91		85		30-146	7		30
Acetone	107		114		54-140	6		30
Carbon disulfide	94		92		59-130	2		30
2-Butanone	89		99		70-130	11		30
Vinyl acetate	93		103		70-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-04,06 Batch: WG672451-1 WG672451-2								
4-Methyl-2-pentanone	94		98		70-130	4		30
1,2,3-Trichloropropane	93		91		68-130	2		30
2-Hexanone	90		92		70-130	2		30
Bromochloromethane	99		101		70-130	2		30
2,2-Dichloropropane	97		94		70-130	3		30
1,2-Dibromoethane	91		94		70-130	3		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	94		94		70-130	0		30
Bromobenzene	101		93		70-130	8		30
n-Butylbenzene	98		95		70-130	3		30
sec-Butylbenzene	97		92		70-130	5		30
tert-Butylbenzene	100		92		70-130	8		30
o-Chlorotoluene	98		90		70-130	9		30
p-Chlorotoluene	100		92		70-130	8		30
1,2-Dibromo-3-chloropropane	80		90		68-130	12		30
Hexachlorobutadiene	94		99		67-130	5		30
Isopropylbenzene	104		91		70-130	13		30
p-Isopropyltoluene	96		94		70-130	2		30
Naphthalene	86		93		70-130	8		30
Acrylonitrile	93		101		70-130	8		30
Isopropyl Ether	99		101		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-04,06 Batch: WG672451-1 WG672451-2								
tert-Butyl Alcohol	88		98		70-130	11		30
n-Propylbenzene	104		92		70-130	12		30
1,2,3-Trichlorobenzene	90		95		70-130	5		30
1,2,4-Trichlorobenzene	93		98		70-130	5		30
1,3,5-Trimethylbenzene	99		92		70-130	7		30
1,2,4-Trimethylbenzene	99		92		70-130	7		30
Methyl Acetate	91		100		51-146	9		30
Ethyl Acetate	88		96		70-130	9		30
Acrolein	96		105		70-130	9		30
Cyclohexane	106		102		59-142	4		30
1,4-Dioxane	87		91		65-136	4		30
Freon-113	110		108		50-139	2		30
p-Diethylbenzene	97		94		70-130	3		30
p-Ethyltoluene	102		93		70-130	9		30
1,2,4,5-Tetramethylbenzene	92		96		70-130	4		30
Tetrahydrofuran	99		102		66-130	3		30
Ethyl ether	97		100		67-130	3		30
trans-1,4-Dichloro-2-butene	99		93		70-130	6		30
Methyl cyclohexane	111		104		70-130	7		30
Ethyl-Tert-Butyl-Ether	95		102		70-130	7		30
Tertiary-Amyl Methyl Ether	91		94		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-04,06 Batch: WG672451-1 WG672451-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		90		70-130
Toluene-d8	93		98		70-130
4-Bromofluorobenzene	111		97		70-130
Dibromofluoromethane	97		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05,07 Batch: WG672602-1 WG672602-2								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	99		99		70-130	0		30
Chloroform	106		105		70-130	1		30
Carbon tetrachloride	112		108		70-130	4		30
1,2-Dichloropropane	99		97		70-130	2		30
Dibromochloromethane	92		92		70-130	0		30
1,1,2-Trichloroethane	88		89		70-130	1		30
Tetrachloroethene	97		95		70-130	2		30
Chlorobenzene	92		90		70-130	2		30
Trichlorofluoromethane	118		114		70-139	3		30
1,2-Dichloroethane	102		102		70-130	0		30
1,1,1-Trichloroethane	111		109		70-130	2		30
Bromodichloromethane	107		106		70-130	1		30
trans-1,3-Dichloropropene	92		89		70-130	3		30
cis-1,3-Dichloropropene	103		102		70-130	1		30
1,1-Dichloropropene	104		102		70-130	2		30
Bromoform	85		86		70-130	1		30
1,1,2,2-Tetrachloroethane	78		79		70-130	1		30
Benzene	100		98		70-130	2		30
Toluene	92		88		70-130	4		30
Ethylbenzene	94		91		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05,07 Batch: WG672602-1 WG672602-2								
Chloromethane	82		77		52-130	6		30
Bromomethane	102		99		57-147	3		30
Vinyl chloride	88		89		67-130	1		30
Chloroethane	104		102		50-151	2		30
1,1-Dichloroethene	97		98		65-135	1		30
trans-1,2-Dichloroethene	101		100		70-130	1		30
Trichloroethene	105		103		70-130	2		30
1,2-Dichlorobenzene	89		88		70-130	1		30
1,3-Dichlorobenzene	90		88		70-130	2		30
1,4-Dichlorobenzene	90		88		70-130	2		30
Methyl tert butyl ether	97		98		66-130	1		30
p/m-Xylene	94		91		70-130	3		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	101		100		70-130	1		30
Dibromomethane	99		98		70-130	1		30
Styrene	96		93		70-130	3		30
Dichlorodifluoromethane	75		74		30-146	1		30
Acetone	105		99		54-140	6		30
Carbon disulfide	90		89		59-130	1		30
2-Butanone	85		89		70-130	5		30
Vinyl acetate	88		90		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05,07 Batch: WG672602-1 WG672602-2								
4-Methyl-2-pentanone	92		94		70-130	2		30
1,2,3-Trichloropropane	79		80		68-130	1		30
2-Hexanone	78		76		70-130	3		30
Bromochloromethane	99		100		70-130	1		30
2,2-Dichloropropane	110		107		70-130	3		30
1,2-Dibromoethane	88		87		70-130	1		30
1,3-Dichloropropane	87		87		69-130	0		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	89		87		70-130	2		30
n-Butylbenzene	92		88		70-130	4		30
sec-Butylbenzene	90		88		70-130	2		30
tert-Butylbenzene	91		89		70-130	2		30
o-Chlorotoluene	89		86		70-130	3		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	78		83		68-130	6		30
Hexachlorobutadiene	101		98		67-130	3		30
Isopropylbenzene	97		93		70-130	4		30
p-Isopropyltoluene	92		89		70-130	3		30
Naphthalene	82		83		70-130	1		30
Acrylonitrile	86		90		70-130	5		30
Isopropyl Ether	94		94		66-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05,07 Batch: WG672602-1 WG672602-2								
tert-Butyl Alcohol	94		94		70-130	0		30
n-Propylbenzene	89		85		70-130	5		30
1,2,3-Trichlorobenzene	90		90		70-130	0		30
1,2,4-Trichlorobenzene	94		93		70-130	1		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	92		88		70-130	4		30
Methyl Acetate	80		83		51-146	4		30
Ethyl Acetate	85		88		70-130	3		30
Acrolein	89		86		70-130	3		30
Cyclohexane	103		100		59-142	3		30
1,4-Dioxane	100		96		65-136	4		30
Freon-113	109		104		50-139	5		30
p-Diethylbenzene	115		116		70-130	1		30
p-Ethyltoluene	114		112		70-130	2		30
1,2,4,5-Tetramethylbenzene	116		117		70-130	1		30
Tetrahydrofuran	88		91		66-130	3		30
Ethyl ether	101		102		67-130	1		30
trans-1,4-Dichloro-2-butene	79		78		70-130	1		30
Methyl cyclohexane	106		103		70-130	3		30
Ethyl-Tert-Butyl-Ether	100		98		70-130	2		30
Tertiary-Amyl Methyl Ether	103		102		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05,07 Batch: WG672602-1 WG672602-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG672731-1 WG672731-2								
Methylene chloride	92		95		70-130	3		20
1,1-Dichloroethane	90		91		70-130	1		20
Chloroform	94		95		70-130	1		20
2-Chloroethylvinyl ether	78		75		70-130	4		20
Carbon tetrachloride	81		76		63-132	6		20
1,2-Dichloropropane	91		88		70-130	3		20
Dibromochloromethane	92		90		63-130	2		20
1,1,2-Trichloroethane	94		92		70-130	2		20
Tetrachloroethene	98		96		70-130	2		20
Chlorobenzene	94		94		75-130	0		20
Trichlorofluoromethane	98		95		62-150	3		20
1,2-Dichloroethane	93		93		70-130	0		20
1,1,1-Trichloroethane	85		85		67-130	0		20
Bromodichloromethane	94		93		67-130	1		20
trans-1,3-Dichloropropene	80		77		70-130	4		20
cis-1,3-Dichloropropene	84		83		70-130	1		20
1,1-Dichloropropene	92		89		70-130	3		20
Bromoform	82		78		54-136	5		20
1,1,2,2-Tetrachloroethane	92		93		67-130	1		20
Benzene	92		93		70-130	1		20
Toluene	94		92		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG672731-1 WG672731-2								
Ethylbenzene	95		94		70-130	1		20
Chloromethane	**58**	Q	**54**	Q	64-130	7		20
Bromomethane	64		67		39-139	5		20
Vinyl chloride	81		78		55-140	4		20
Chloroethane	93		92		55-138	1		20
1,1-Dichloroethene	93		88		61-145	6		20
trans-1,2-Dichloroethene	96		92		70-130	4		20
Trichloroethene	96		93		70-130	3		20
1,2-Dichlorobenzene	92		93		70-130	1		20
1,3-Dichlorobenzene	93		94		70-130	1		20
1,4-Dichlorobenzene	93		94		70-130	1		20
Methyl tert butyl ether	80		81		63-130	1		20
p/m-Xylene	94		93		70-130	1		20
o-Xylene	94		93		70-130	1		20
cis-1,2-Dichloroethene	95		95		70-130	0		20
Dibromomethane	95		95		70-130	0		20
1,2,3-Trichloropropane	92		92		64-130	0		20
Acrylonitrile	81		84		70-130	4		20
Isopropyl Ether	84		85		70-130	1		20
tert-Butyl Alcohol	**62**	Q	**62**	Q	70-130	0		20
Styrene	93		92		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG672731-1 WG672731-2								
Dichlorodifluoromethane	75		74		36-147	1		20
Acetone	86		87		58-148	1		20
Carbon disulfide	91		90		51-130	1		20
2-Butanone	**62**	Q	**60**	Q	63-138	3		20
Vinyl acetate	81		77		70-130	5		20
4-Methyl-2-pentanone	80		85		59-130	6		20
2-Hexanone	72		75		57-130	4		20
Bromochloromethane	100		95		70-130	5		20
2,2-Dichloropropane	73		69		63-133	6		20
1,2-Dibromoethane	93		91		70-130	2		20
1,3-Dichloropropane	91		91		70-130	0		20
1,1,1,2-Tetrachloroethane	85		84		64-130	1		20
Bromobenzene	97		97		70-130	0		20
n-Butylbenzene	94		92		53-136	2		20
sec-Butylbenzene	94		93		70-130	1		20
tert-Butylbenzene	95		93		70-130	2		20
o-Chlorotoluene	95		93		70-130	2		20
p-Chlorotoluene	95		95		70-130	0		20
1,2-Dibromo-3-chloropropane	77		76		41-144	1		20
Hexachlorobutadiene	95		96		63-130	1		20
Isopropylbenzene	94		93		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG672731-1 WG672731-2								
p-Isopropyltoluene	94		94		70-130	0		20
Naphthalene	87		86		70-130	1		20
n-Propylbenzene	94		93		69-130	1		20
1,2,3-Trichlorobenzene	92		92		70-130	0		20
1,2,4-Trichlorobenzene	91		91		70-130	0		20
1,3,5-Trimethylbenzene	93		94		64-130	1		20
1,2,4-Trimethylbenzene	93		92		70-130	1		20
Methyl Acetate	83		72		70-130	14		20
Ethyl Acetate	85		85		70-130	0		20
Cyclohexane	90		89		70-130	1		20
Ethyl-Tert-Butyl-Ether	75		75		70-130	0		20
Tertiary-Amyl Methyl Ether	71		72		66-130	1		20
1,4-Dioxane	80		79		56-162	1		20
Freon-113	99		96		70-130	3		20
p-Diethylbenzene	91		88		70-130	3		20
p-Ethyltoluene	96		94		70-130	2		20
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		20
Ethyl ether	93		92		59-134	1		20
trans-1,4-Dichloro-2-butene	72		75		70-130	4		20
Iodomethane	**59**	Q	**68**	Q	70-130	14		20
Methyl cyclohexane	96		92		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG672731-1 WG672731-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		101		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-01	D	Date Collected:	02/24/14 14:30
Client ID:	SB-16_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/25/14 17:41
Analytical Date:	02/28/14 13:59			
Analyst:	PS			
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	290		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	93.	2
Fluoranthene	530		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	970		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	71.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	260		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-01 D Date Collected: 02/24/14 14:30

Client ID: SB-16_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	260	J	ug/kg	290	88.	2
Benzo(b)fluoranthene	350		ug/kg	220	73.	2
Benzo(k)fluoranthene	140	J	ug/kg	220	69.	2
Chrysene	330		ug/kg	220	71.	2
Acenaphthylene	ND		ug/kg	290	68.	2
Anthracene	91	J	ug/kg	220	60.	2
Benzo(ghi)perylene	210	J	ug/kg	290	75.	2
Fluorene	130	J	ug/kg	360	100	2
Phenanthrene	370		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	ND		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	190	J	ug/kg	290	80.	2
Pyrene	500		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	96.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	140	J	ug/kg	360	120	2
2-Methylnaphthalene	390	J	ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	510	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	ND		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-01 D Date Collected: 02/24/14 14:30

Client ID: SB-16_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	96		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-02	Date Collected:	02/24/14 14:50
Client ID:	SB-16_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/25/14 11:51
Analytical Date:	02/27/14 21:53		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-02 Date Collected: 02/24/14 14:50

Client ID: SB-16_7-9 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	450	66.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	43.	1
Benzaldehyde	ND		ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-02	Date Collected:	02/24/14 14:50
Client ID:	SB-16_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	60		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-03	D	Date Collected:	02/24/14 12:30
Client ID:	SB-17_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/25/14 11:52
Analytical Date:	02/27/14 22:20			
Analyst:	PS			
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	590	150	4
1,2,4-Trichlorobenzene	370	J	ug/kg	740	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	210	4
2-Chloronaphthalene	ND		ug/kg	740	240	4
1,2-Dichlorobenzene	ND		ug/kg	740	240	4
1,3-Dichlorobenzene	ND		ug/kg	740	230	4
1,4-Dichlorobenzene	ND		ug/kg	740	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	740	200	4
2,4-Dinitrotoluene	ND		ug/kg	740	160	4
2,6-Dinitrotoluene	ND		ug/kg	740	190	4
Fluoranthene	690		ug/kg	440	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	740	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	740	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	890	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	800	220	4
Hexachlorobutadiene	ND		ug/kg	740	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	590	130	4
Isophorone	ND		ug/kg	660	200	4
Naphthalene	430	J	ug/kg	740	240	4
Nitrobenzene	ND		ug/kg	660	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	590	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	740	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	740	190	4
Butyl benzyl phthalate	ND		ug/kg	740	140	4
Di-n-butylphthalate	ND		ug/kg	740	140	4
Di-n-octylphthalate	ND		ug/kg	740	180	4
Diethyl phthalate	ND		ug/kg	740	160	4
Dimethyl phthalate	ND		ug/kg	740	190	4
Benzo(a)anthracene	340	J	ug/kg	440	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-03 D Date Collected: 02/24/14 12:30
Client ID: SB-17_0-2 Date Received: 02/24/14
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	360	J	ug/kg	590	180	4
Benzo(b)fluoranthene	540		ug/kg	440	150	4
Benzo(k)fluoranthene	ND		ug/kg	440	140	4
Chrysene	610		ug/kg	440	140	4
Acenaphthylene	ND		ug/kg	590	140	4
Anthracene	150	J	ug/kg	440	120	4
Benzo(ghi)perylene	310	J	ug/kg	590	150	4
Fluorene	ND		ug/kg	740	210	4
Phenanthrene	640		ug/kg	440	140	4
Dibenzo(a,h)anthracene	ND		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	590	160	4
Pyrene	750		ug/kg	440	140	4
Biphenyl	ND		ug/kg	1700	240	4
4-Chloroaniline	ND		ug/kg	740	200	4
2-Nitroaniline	ND		ug/kg	740	210	4
3-Nitroaniline	ND		ug/kg	740	200	4
4-Nitroaniline	ND		ug/kg	740	200	4
Dibenzofuran	ND		ug/kg	740	250	4
2-Methylnaphthalene	620	J	ug/kg	890	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	740	230	4
Acetophenone	ND		ug/kg	740	230	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	740	210	4
2-Chlorophenol	ND		ug/kg	740	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	740	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	590	160	4
Phenol	ND		ug/kg	740	220	4
2-Methylphenol	ND		ug/kg	740	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	240	4
2,4,5-Trichlorophenol	ND		ug/kg	740	240	4
Benzoic Acid	ND		ug/kg	2400	750	4
Benzyl Alcohol	ND		ug/kg	740	230	4
Carbazole	ND		ug/kg	740	160	4
Benzaldehyde	ND		ug/kg	980	300	4

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-03	D	Date Collected:	02/24/14 12:30
Client ID:	SB-17_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	740	200	4
Atrazine	ND		ug/kg	590	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	740	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	66		0-136
4-Terphenyl-d14	75		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-04	Date Collected:	02/24/14 12:45
Client ID:	SB-17_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/25/14 11:52
Analytical Date:	02/27/14 22:47		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	80	J	ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	40	J	ug/kg	110	37.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-04 Date Collected: 02/24/14 12:45

Client ID: SB-17_7-9 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	40	J	ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	40	J	ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	58	J	ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	67	J	ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	77.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-04	Date Collected:	02/24/14 12:45
Client ID:	SB-17_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	77		0-136
4-Terphenyl-d14	68		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-05	D	Date Collected:	02/24/14 10:30
Client ID:	SB-25_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/25/14 11:52
Analytical Date:	02/27/14 23:14			
Analyst:	PS			
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	4900	1300	35
1,2,4-Trichlorobenzene	ND		ug/kg	6200	2000	35
Hexachlorobenzene	ND		ug/kg	3700	1100	35
Bis(2-chloroethyl)ether	ND		ug/kg	5500	1700	35
2-Chloronaphthalene	ND		ug/kg	6200	2000	35
1,2-Dichlorobenzene	ND		ug/kg	6200	2000	35
1,3-Dichlorobenzene	ND		ug/kg	6200	1900	35
1,4-Dichlorobenzene	ND		ug/kg	6200	1900	35
3,3'-Dichlorobenzidine	ND		ug/kg	6200	1600	35
2,4-Dinitrotoluene	ND		ug/kg	6200	1300	35
2,6-Dinitrotoluene	ND		ug/kg	6200	1600	35
Fluoranthene	ND		ug/kg	3700	1100	35
4-Chlorophenyl phenyl ether	ND		ug/kg	6200	1900	35
4-Bromophenyl phenyl ether	ND		ug/kg	6200	1400	35
Bis(2-chloroisopropyl)ether	ND		ug/kg	7400	2200	35
Bis(2-chloroethoxy)methane	ND		ug/kg	6600	1900	35
Hexachlorobutadiene	ND		ug/kg	6200	1700	35
Hexachlorocyclopentadiene	ND		ug/kg	18000	4000	35
Hexachloroethane	ND		ug/kg	4900	1100	35
Isophorone	ND		ug/kg	5500	1600	35
Naphthalene	ND		ug/kg	6200	2000	35
Nitrobenzene	ND		ug/kg	5500	1500	35
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	4900	1300	35
n-Nitrosodi-n-propylamine	ND		ug/kg	6200	1800	35
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	6200	1600	35
Butyl benzyl phthalate	ND		ug/kg	6200	1200	35
Di-n-butylphthalate	ND		ug/kg	6200	1200	35
Di-n-octylphthalate	ND		ug/kg	6200	1500	35
Diethyl phthalate	ND		ug/kg	6200	1300	35
Dimethyl phthalate	ND		ug/kg	6200	1600	35
Benzo(a)anthracene	ND		ug/kg	3700	1200	35

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-05 D Date Collected: 02/24/14 10:30

Client ID: SB-25_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	4900	1500	35
Benzo(b)fluoranthene	ND		ug/kg	3700	1200	35
Benzo(k)fluoranthene	ND		ug/kg	3700	1200	35
Chrysene	ND		ug/kg	3700	1200	35
Acenaphthylene	ND		ug/kg	4900	1200	35
Anthracene	ND		ug/kg	3700	1000	35
Benzo(ghi)perylene	ND		ug/kg	4900	1300	35
Fluorene	ND		ug/kg	6200	1800	35
Phenanthrene	ND		ug/kg	3700	1200	35
Dibenzo(a,h)anthracene	ND		ug/kg	3700	1200	35
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	4900	1400	35
Pyrene	ND		ug/kg	3700	1200	35
Biphenyl	ND		ug/kg	14000	2000	35
4-Chloroaniline	ND		ug/kg	6200	1600	35
2-Nitroaniline	ND		ug/kg	6200	1700	35
3-Nitroaniline	ND		ug/kg	6200	1700	35
4-Nitroaniline	ND		ug/kg	6200	1700	35
Dibenzofuran	ND		ug/kg	6200	2000	35
2-Methylnaphthalene	ND		ug/kg	7400	2000	35
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	6200	1900	35
Acetophenone	ND		ug/kg	6200	1900	35
2,4,6-Trichlorophenol	ND		ug/kg	3700	1200	35
P-Chloro-M-Cresol	ND		ug/kg	6200	1800	35
2-Chlorophenol	ND		ug/kg	6200	1900	35
2,4-Dichlorophenol	ND		ug/kg	5500	2000	35
2,4-Dimethylphenol	ND		ug/kg	6200	1800	35
2-Nitrophenol	ND		ug/kg	13000	1900	35
4-Nitrophenol	ND		ug/kg	8600	2000	35
2,4-Dinitrophenol	ND		ug/kg	30000	8400	35
4,6-Dinitro-o-cresol	ND		ug/kg	16000	2200	35
Pentachlorophenol	ND		ug/kg	4900	1300	35
Phenol	ND		ug/kg	6200	1800	35
2-Methylphenol	ND		ug/kg	6200	2000	35
3-Methylphenol/4-Methylphenol	ND		ug/kg	8900	2000	35
2,4,5-Trichlorophenol	ND		ug/kg	6200	2000	35
Benzoic Acid	ND		ug/kg	20000	6200	35
Benzyl Alcohol	ND		ug/kg	6200	1900	35
Carbazole	ND		ug/kg	6200	1300	35
Benzaldehyde	ND		ug/kg	8100	2500	35

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-05 D Date Collected: 02/24/14 10:30

Client ID: SB-25_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	6200	1700	35
Atrazine	ND		ug/kg	4900	1400	35
2,3,4,6-Tetrachlorophenol	ND		ug/kg	6200	1000	35

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-06	Date Collected:	02/24/14 11:00
Client ID:	SB-25_8-10	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/25/14 11:52
Analytical Date:	02/27/14 23:41		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	8100	E	ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	1700		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	2800		ug/kg	110	37.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-06 Date Collected: 02/24/14 11:00

Client ID: SB-25_8-10 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2700		ug/kg	150	47.	1
Benzo(b)fluoranthene	3100		ug/kg	110	39.	1
Benzo(k)fluoranthene	1100		ug/kg	110	36.	1
Chrysene	2900		ug/kg	110	38.	1
Acenaphthylene	190		ug/kg	150	36.	1
Anthracene	1600		ug/kg	110	32.	1
Benzo(ghi)perylene	1500		ug/kg	150	40.	1
Fluorene	1400		ug/kg	190	55.	1
Phenanthrene	8500	E	ug/kg	110	37.	1
Dibenzo(a,h)anthracene	340		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	1600		ug/kg	150	42.	1
Pyrene	7000		ug/kg	110	37.	1
Biphenyl	200	J	ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	1100		ug/kg	190	64.	1
2-Methylnaphthalene	700		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	80	J	ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	93	J	ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	170	J	ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	750		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	77.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-06	Date Collected:	02/24/14 11:00
Client ID:	SB-25_8-10	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	60		0-136
4-Terphenyl-d14	53		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-06	D	Date Collected:	02/24/14 11:00
Client ID:	SB-25_8-10		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/25/14 11:52
Analytical Date:	02/28/14 13:05			
Analyst:	PS			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	8900		ug/kg	230	70.	2
Phenanthrene	9800		ug/kg	230	75.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-07	D	Date Collected:	02/24/14 00:00
Client ID:	SODUP01_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/25/14 11:52
Analytical Date:	02/28/14 00:08			
Analyst:	PS			
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	430	J	ug/kg	580	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	720	240	4
Hexachlorobenzene	ND		ug/kg	430	130	4
Bis(2-chloroethyl)ether	ND		ug/kg	650	200	4
2-Chloronaphthalene	ND		ug/kg	720	240	4
1,2-Dichlorobenzene	ND		ug/kg	720	240	4
1,3-Dichlorobenzene	ND		ug/kg	720	230	4
1,4-Dichlorobenzene	ND		ug/kg	720	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	720	190	4
2,4-Dinitrotoluene	ND		ug/kg	720	160	4
2,6-Dinitrotoluene	ND		ug/kg	720	180	4
Fluoranthene	3400		ug/kg	430	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	720	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	720	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	870	250	4
Bis(2-chloroethoxy)methane	ND		ug/kg	780	220	4
Hexachlorobutadiene	ND		ug/kg	720	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	460	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	650	190	4
Naphthalene	950		ug/kg	720	240	4
Nitrobenzene	ND		ug/kg	650	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	720	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	720	190	4
Butyl benzyl phthalate	ND		ug/kg	720	140	4
Di-n-butylphthalate	ND		ug/kg	720	140	4
Di-n-octylphthalate	ND		ug/kg	720	180	4
Diethyl phthalate	ND		ug/kg	720	150	4
Dimethyl phthalate	ND		ug/kg	720	180	4
Benzo(a)anthracene	1700		ug/kg	430	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-07 D Date Collected: 02/24/14 00:00

Client ID: SODUP01_0-2 Date Received: 02/24/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1500		ug/kg	580	180	4
Benzo(b)fluoranthene	1900		ug/kg	430	150	4
Benzo(k)fluoranthene	740		ug/kg	430	140	4
Chrysene	2000		ug/kg	430	140	4
Acenaphthylene	160	J	ug/kg	580	140	4
Anthracene	750		ug/kg	430	120	4
Benzo(ghi)perylene	950		ug/kg	580	150	4
Fluorene	530	J	ug/kg	720	210	4
Phenanthrene	2400		ug/kg	430	140	4
Dibenzo(a,h)anthracene	250	J	ug/kg	430	140	4
Indeno(1,2,3-cd)Pyrene	960		ug/kg	580	160	4
Pyrene	3300		ug/kg	430	140	4
Biphenyl	ND		ug/kg	1600	240	4
4-Chloroaniline	ND		ug/kg	720	190	4
2-Nitroaniline	ND		ug/kg	720	200	4
3-Nitroaniline	ND		ug/kg	720	200	4
4-Nitroaniline	ND		ug/kg	720	200	4
Dibenzofuran	550	J	ug/kg	720	240	4
2-Methylnaphthalene	1200		ug/kg	870	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	720	220	4
Acetophenone	ND		ug/kg	720	220	4
2,4,6-Trichlorophenol	ND		ug/kg	430	140	4
P-Chloro-M-Cresol	ND		ug/kg	720	210	4
2-Chlorophenol	ND		ug/kg	720	220	4
2,4-Dichlorophenol	ND		ug/kg	650	230	4
2,4-Dimethylphenol	ND		ug/kg	720	220	4
2-Nitrophenol	ND		ug/kg	1600	220	4
4-Nitrophenol	ND		ug/kg	1000	230	4
2,4-Dinitrophenol	ND		ug/kg	3500	990	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	260	4
Pentachlorophenol	ND		ug/kg	580	150	4
Phenol	ND		ug/kg	720	210	4
2-Methylphenol	ND		ug/kg	720	230	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	720	230	4
Benzoic Acid	ND		ug/kg	2300	730	4
Benzyl Alcohol	ND		ug/kg	720	220	4
Carbazole	ND		ug/kg	720	160	4
Benzaldehyde	ND		ug/kg	950	290	4

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-07	D	Date Collected:	02/24/14 00:00
Client ID:	SODUP01_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	720	200	4
Atrazine	ND		ug/kg	580	160	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	720	120	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	81		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/27/14 16:01
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/25/14 10:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG672141-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/27/14 16:01
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/25/14 10:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG672141-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/27/14 16:01
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/25/14 10:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG672141-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	57		0-136
4-Terphenyl-d14	68		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/27/14 10:37
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/25/14 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG672260-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/27/14 10:37
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/25/14 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG672260-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/27/14 10:37
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/25/14 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG672260-1					
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	69		0-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG672141-2 WG672141-3								
Acenaphthene	52		52		31-137	0		50
Benzidine	12		12			0		50
n-Nitrosodimethylamine	44		44			0		50
1,2,4-Trichlorobenzene	49		47		38-107	4		50
Hexachlorobenzene	59		59		40-140	0		50
Bis(2-chloroethyl)ether	47		46		40-140	2		50
2-Chloronaphthalene	53		52		40-140	2		50
1,2-Dichlorobenzene	46		45		40-140	2		50
1,3-Dichlorobenzene	46		44		40-140	4		50
1,4-Dichlorobenzene	45		44		28-104	2		50
3,3'-Dichlorobenzidine	43		45		40-140	5		50
2,4-Dinitrotoluene	66		64		28-89	3		50
2,6-Dinitrotoluene	63		62		40-140	2		50
Fluoranthene	62		61		40-140	2		50
4-Chlorophenyl phenyl ether	55		55		40-140	0		50
4-Bromophenyl phenyl ether	60		59		40-140	2		50
Azobenzene	56		55		40-140	2		50
Bis(2-chloroisopropyl)ether	49		45		40-140	9		50
Bis(2-chloroethoxy)methane	52		49		40-117	6		50
Hexachlorobutadiene	48		47		40-140	2		50
Hexachlorocyclopentadiene	43		43		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG672141-2 WG672141-3								
Hexachloroethane	45		43		40-140	5		50
Isophorone	49		47		40-140	4		50
Naphthalene	48		47		40-140	2		50
Nitrobenzene	52		52		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	59		58			2		50
n-Nitrosodi-n-propylamine	50		48		32-121	4		50
Bis(2-Ethylhexyl)phthalate	68		69		40-140	1		50
Butyl benzyl phthalate	66		67		40-140	2		50
Di-n-butylphthalate	61		62		40-140	2		50
Di-n-octylphthalate	67		66		40-140	2		50
Diethyl phthalate	58		59		40-140	2		50
Dimethyl phthalate	58		56		40-140	4		50
Benzo(a)anthracene	61		59		40-140	3		50
Benzo(a)pyrene	62		58		40-140	7		50
Benzo(b)fluoranthene	59		58		40-140	2		50
Benzo(k)fluoranthene	62		57		40-140	8		50
Chrysene	61		60		40-140	2		50
Acenaphthylene	55		54		40-140	2		50
Anthracene	60		58		40-140	3		50
Benzo(ghi)perylene	58		54		40-140	7		50
Fluorene	56		56		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG672141-2 WG672141-3								
Phenanthrene	57		57		40-140	0		50
Dibenzo(a,h)anthracene	58		53		40-140	9		50
Indeno(1,2,3-cd)Pyrene	58		52		40-140	11		50
Pyrene	61		61		35-142	0		50
Biphenyl	59		58			2		50
Aniline	**24**	Q	**22**	Q	40-140	9		50
4-Chloroaniline	**35**	Q	**36**	Q	40-140	3		50
2-Nitroaniline	65		65		47-134	0		50
3-Nitroaniline	36		36		26-129	0		50
4-Nitroaniline	61		59		41-125	3		50
Dibenzofuran	54		53		40-140	2		50
2-Methylnaphthalene	52		50		40-140	4		50
1,2,4,5-Tetrachlorobenzene	58		56		40-117	4		50
Acetophenone	60		57		14-144	5		50
2,4,6-Trichlorophenol	59		61		30-130	3		50
P-Chloro-M-Cresol	61		62		26-103	2		50
2-Chlorophenol	51		48		25-102	6		50
2,4-Dichlorophenol	55		55		30-130	0		50
2,4-Dimethylphenol	56		54		30-130	4		50
2-Nitrophenol	56		56		30-130	0		50
4-Nitrophenol	71		69		11-114	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG672141-2 WG672141-3								
2,4-Dinitrophenol	64		66		4-130	3		50
4,6-Dinitro-o-cresol	74		72		10-130	3		50
Pentachlorophenol	64		63		17-109	2		50
Phenol	49		47		26-90	4		50
2-Methylphenol	53		49		30-130.	8		50
3-Methylphenol/4-Methylphenol	55		52		30-130	6		50
2,4,5-Trichlorophenol	63		61		30-130	3		50
Benzoic Acid	42		43			2		50
Benzyl Alcohol	54		50		40-140	8		50
Carbazole	61		59		54-128	3		50
Benzaldehyde	59		57			3		50
Caprolactam	75		73			3		50
Atrazine	79		76			4		50
2,3,4,6-Tetrachlorophenol	64		62			3		50
Pyridine	30		33		10-93	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG672141-2 WG672141-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		55		25-120
Phenol-d6	59		57		10-120
Nitrobenzene-d5	61		61		23-120
2-Fluorobiphenyl	60		60		30-120
2,4,6-Tribromophenol	76		75		0-136
4-Terphenyl-d14	72		69		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG672260-2 WG672260-3								
Acenaphthene	71		78		31-137	9		50
1,2,4-Trichlorobenzene	68		74		38-107	8		50
Hexachlorobenzene	65		72		40-140	10		50
Bis(2-chloroethyl)ether	76		82		40-140	8		50
2-Chloronaphthalene	68		74		40-140	8		50
1,2-Dichlorobenzene	69		75		40-140	8		50
1,3-Dichlorobenzene	69		75		40-140	8		50
1,4-Dichlorobenzene	68		74		28-104	8		50
3,3'-Dichlorobenzidine	**29**	Q	**30**	Q	40-140	3		50
2,4-Dinitrotoluene	69		76		28-89	10		50
2,6-Dinitrotoluene	70		74		40-140	6		50
Fluoranthene	69		76		40-140	10		50
4-Chlorophenyl phenyl ether	69		76		40-140	10		50
4-Bromophenyl phenyl ether	70		75		40-140	7		50
Bis(2-chloroisopropyl)ether	92		96		40-140	4		50
Bis(2-chloroethoxy)methane	79		83		40-117	5		50
Hexachlorobutadiene	64		69		40-140	8		50
Hexachlorocyclopentadiene	65		70		40-140	7		50
Hexachloroethane	71		76		40-140	7		50
Isophorone	76		80		40-140	5		50
Naphthalene	68		75		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG672260-2 WG672260-3								
Nitrobenzene	72		78		40-140	8		50
NitrosoDiPhenylAmine(NDPA)/DPA	71		79			11		50
n-Nitrosodi-n-propylamine	78		84		32-121	7		50
Bis(2-Ethylhexyl)phthalate	89		97		40-140	9		50
Butyl benzyl phthalate	71		80		40-140	12		50
Di-n-butylphthalate	78		87		40-140	11		50
Di-n-octylphthalate	83		92		40-140	10		50
Diethyl phthalate	71		80		40-140	12		50
Dimethyl phthalate	72		80		40-140	11		50
Benzo(a)anthracene	75		82		40-140	9		50
Benzo(a)pyrene	76		83		40-140	9		50
Benzo(b)fluoranthene	77		83		40-140	8		50
Benzo(k)fluoranthene	74		81		40-140	9		50
Chrysene	77		84		40-140	9		50
Acenaphthylene	68		75		40-140	10		50
Anthracene	75		82		40-140	9		50
Benzo(ghi)perylene	71		80		40-140	12		50
Fluorene	70		77		40-140	10		50
Phenanthrene	73		81		40-140	10		50
Dibenzo(a,h)anthracene	73		80		40-140	9		50
Indeno(1,2,3-cd)Pyrene	71		79		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG672260-2 WG672260-3								
Pyrene	68		75		35-142	10		50
Biphenyl	88		95			8		50
4-Chloroaniline	**32**	Q	61		40-140	**62**	Q	50
2-Nitroaniline	71		77		47-134	8		50
3-Nitroaniline	30		29		26-129	3		50
4-Nitroaniline	62		68		41-125	9		50
Dibenzofuran	71		78		40-140	9		50
2-Methylnaphthalene	70		75		40-140	7		50
1,2,4,5-Tetrachlorobenzene	84		92		40-117	9		50
Acetophenone	89		94		14-144	5		50
2,4,6-Trichlorophenol	68		74		30-130	8		50
P-Chloro-M-Cresol	71		77		26-103	8		50
2-Chlorophenol	74		78		25-102	5		50
2,4-Dichlorophenol	71		78		30-130	9		50
2,4-Dimethylphenol	78		82		30-130	5		50
2-Nitrophenol	71		78		30-130	9		50
4-Nitrophenol	76		81		11-114	6		50
2,4-Dinitrophenol	48		55		4-130	14		50
4,6-Dinitro-o-cresol	62		67		10-130	8		50
Pentachlorophenol	62		63		17-109	2		50
Phenol	75		79		26-90	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG672260-2 WG672260-3								
2-Methylphenol	77		80		30-130.	4		50
3-Methylphenol/4-Methylphenol	78		83		30-130	6		50
2,4,5-Trichlorophenol	68		75		30-130	10		50
Benzoic Acid	19		21			10		50
Benzyl Alcohol	76		82		40-140	8		50
Carbazole	72		81		54-128	12		50
Benzaldehyde	95		100			5		50
Caprolactam	96		104			8		50
Atrazine	91		103			12		50
2,3,4,6-Tetrachlorophenol	72		76			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		91		25-120
Phenol-d6	83		89		10-120
Nitrobenzene-d5	81		88		23-120
2-Fluorobiphenyl	75		82		30-120
2,4,6-Tribromophenol	77		88		0-136
4-Terphenyl-d14	72		80		18-120

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-01	D	Date Collected:	02/24/14 14:30
Client ID:	SB-16_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8082A		Extraction Date:	02/25/14 08:53
Analytical Date:	02/27/14 14:21		Cleanup Method1:	EPA 3665A
Analyst:	JW		Cleanup Date1:	02/25/14
Percent Solids:	91%		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	02/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	180	14.2	5	A
Aroclor 1221	ND		ug/kg	180	16.6	5	A
Aroclor 1232	ND		ug/kg	180	21.1	5	A
Aroclor 1242	ND		ug/kg	180	22.0	5	A
Aroclor 1248	ND		ug/kg	180	15.2	5	A
Aroclor 1254	ND		ug/kg	180	14.8	5	A
Aroclor 1260	930		ug/kg	180	13.7	5	B
Aroclor 1262	ND		ug/kg	180	8.92	5	A
Aroclor 1268	ND		ug/kg	180	26.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-02	Date Collected:	02/24/14 14:50
Client ID:	SB-16_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/25/14 08:53
Analytical Date:	02/26/14 20:47	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/25/14
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.01	1	A
Aroclor 1221	ND		ug/kg	38.1	3.51	1	A
Aroclor 1232	ND		ug/kg	38.1	4.46	1	A
Aroclor 1242	ND		ug/kg	38.1	4.66	1	A
Aroclor 1248	ND		ug/kg	38.1	3.21	1	A
Aroclor 1254	ND		ug/kg	38.1	3.13	1	A
Aroclor 1260	ND		ug/kg	38.1	2.90	1	A
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-03	D	Date Collected:	02/24/14 12:30
Client ID:	SB-17_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8082A		Extraction Date:	02/25/14 08:53
Analytical Date:	02/27/14 14:34		Cleanup Method1:	EPA 3665A
Analyst:	JW		Cleanup Date1:	02/25/14
Percent Solids:	89%		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	02/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	730	57.7	20	A
Aroclor 1221	ND		ug/kg	730	67.3	20	A
Aroclor 1232	ND		ug/kg	730	85.6	20	A
Aroclor 1242	ND		ug/kg	730	89.4	20	A
Aroclor 1248	ND		ug/kg	730	61.6	20	A
Aroclor 1254	ND		ug/kg	730	60.0	20	A
Aroclor 1260	6290		ug/kg	730	55.6	20	B
Aroclor 1262	ND		ug/kg	730	36.2	20	A
Aroclor 1268	ND		ug/kg	730	106.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-04	Date Collected:	02/24/14 12:45
Client ID:	SB-17_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/25/14 08:53
Analytical Date:	02/26/14 18:35	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/25/14
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	2.94	1	A
Aroclor 1221	ND		ug/kg	37.2	3.43	1	A
Aroclor 1232	ND		ug/kg	37.2	4.36	1	A
Aroclor 1242	ND		ug/kg	37.2	4.56	1	A
Aroclor 1248	ND		ug/kg	37.2	3.14	1	A
Aroclor 1254	ND		ug/kg	37.2	3.06	1	A
Aroclor 1260	ND		ug/kg	37.2	2.84	1	A
Aroclor 1262	ND		ug/kg	37.2	1.85	1	A
Aroclor 1268	ND		ug/kg	37.2	5.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-05	Date Collected:	02/24/14 10:30
Client ID:	SB-25_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/25/14 08:53
Analytical Date:	02/26/14 22:20	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/25/14
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	2.80	1	A
Aroclor 1221	ND		ug/kg	35.4	3.26	1	A
Aroclor 1232	ND		ug/kg	35.4	4.15	1	A
Aroclor 1242	ND		ug/kg	35.4	4.33	1	A
Aroclor 1248	256		ug/kg	35.4	2.99	1	B
Aroclor 1254	258		ug/kg	35.4	2.91	1	A
Aroclor 1260	65.2		ug/kg	35.4	2.70	1	B
Aroclor 1262	ND		ug/kg	35.4	1.76	1	A
Aroclor 1268	ND		ug/kg	35.4	5.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-06	Date Collected:	02/24/14 11:00
Client ID:	SB-25_8-10	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/25/14 08:53
Analytical Date:	02/26/14 22:33	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/25/14
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	2.97	1	A
Aroclor 1221	ND		ug/kg	37.6	3.47	1	A
Aroclor 1232	ND		ug/kg	37.6	4.41	1	A
Aroclor 1242	ND		ug/kg	37.6	4.61	1	A
Aroclor 1248	109		ug/kg	37.6	3.18	1	B
Aroclor 1254	102		ug/kg	37.6	3.09	1	B
Aroclor 1260	34.5	J	ug/kg	37.6	2.87	1	B
Aroclor 1262	ND		ug/kg	37.6	1.87	1	A
Aroclor 1268	ND		ug/kg	37.6	5.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-07	D	Date Collected:	02/24/14 00:00
Client ID:	SODUP01_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8082A		Extraction Date:	02/25/14 08:53
Analytical Date:	02/27/14 14:48		Cleanup Method1:	EPA 3665A
Analyst:	JW		Cleanup Date1:	02/25/14
Percent Solids:	92%		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	02/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	173	13.7	5	A
Aroclor 1221	ND		ug/kg	173	16.0	5	A
Aroclor 1232	ND		ug/kg	173	20.3	5	A
Aroclor 1242	ND		ug/kg	173	21.2	5	A
Aroclor 1248	ND		ug/kg	173	14.6	5	A
Aroclor 1254	ND		ug/kg	173	14.2	5	A
Aroclor 1260	886		ug/kg	173	13.2	5	B
Aroclor 1262	ND		ug/kg	173	8.58	5	A
Aroclor 1268	ND		ug/kg	173	25.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404004

Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/26/14 21:14
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 02/25/14 08:52
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/25/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG672074-1						
Aroclor 1016	ND		ug/kg	31.5	2.49	A
Aroclor 1221	ND		ug/kg	31.5	2.91	A
Aroclor 1232	ND		ug/kg	31.5	3.70	A
Aroclor 1242	ND		ug/kg	31.5	3.86	A
Aroclor 1248	ND		ug/kg	31.5	2.66	A
Aroclor 1254	ND		ug/kg	31.5	2.59	A
Aroclor 1260	ND		ug/kg	31.5	2.40	A
Aroclor 1262	ND		ug/kg	31.5	1.56	A
Aroclor 1268	ND		ug/kg	31.5	4.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	57		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG672074-2 WG672074-3									
Aroclor 1016	67		64		40-140	5		50	A
Aroclor 1260	74		70		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		58		30-150	A
Decachlorobiphenyl	66		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		56		30-150	B
Decachlorobiphenyl	68		65		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-01	Date Collected:	02/24/14 14:30
Client ID:	SB-16_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/25/14 23:50
Analytical Date:	02/26/14 17:55	Methylation Date:	02/26/14 12:05
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.2	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	98		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-01	D	Date Collected:	02/24/14 14:30
Client ID:	SB-16_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	02/25/14 10:05
Analytical Date:	02/26/14 09:15		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	02/25/14
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.4	3.41	10	A
Lindane	ND		ug/kg	7.26	3.25	10	A
Alpha-BHC	ND		ug/kg	7.26	2.06	10	A
Beta-BHC	ND		ug/kg	17.4	6.61	10	A
Heptachlor	ND		ug/kg	8.72	3.91	10	A
Aldrin	ND		ug/kg	17.4	6.14	10	A
Heptachlor epoxide	ND		ug/kg	32.7	9.81	10	A
Endrin	ND		ug/kg	7.26	2.98	10	A
Endrin ketone	ND		ug/kg	17.4	4.49	10	A
Dieldrin	ND		ug/kg	10.9	5.45	10	A
4,4'-DDE	623		ug/kg	17.4	4.03	10	B
4,4'-DDD	126		ug/kg	17.4	6.22	10	B
4,4'-DDT	624		ug/kg	32.7	14.0	10	B
Endosulfan I	ND		ug/kg	17.4	4.12	10	A
Endosulfan II	ND		ug/kg	17.4	5.83	10	A
Endosulfan sulfate	ND		ug/kg	7.26	3.46	10	A
Methoxychlor	ND		ug/kg	32.7	10.2	10	A
Toxaphene	ND		ug/kg	327	91.5	10	A
cis-Chlordane	ND		ug/kg	21.8	6.07	10	A
trans-Chlordane	ND		ug/kg	21.8	5.75	10	A
Chlordane	ND		ug/kg	142	57.8	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-02	Date Collected:	02/24/14 14:50
Client ID:	SB-16_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/25/14 10:05
Analytical Date:	02/26/14 09:29	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/25/14
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.377	1	A
Lindane	ND		ug/kg	0.803	0.359	1	A
Alpha-BHC	ND		ug/kg	0.803	0.228	1	A
Beta-BHC	ND		ug/kg	1.93	0.730	1	A
Heptachlor	ND		ug/kg	0.963	0.432	1	A
Aldrin	ND		ug/kg	1.93	0.678	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.803	0.329	1	A
Endrin ketone	ND		ug/kg	1.93	0.496	1	A
Dieldrin	ND		ug/kg	1.20	0.602	1	A
4,4'-DDE	ND		ug/kg	1.93	0.446	1	A
4,4'-DDD	ND		ug/kg	1.93	0.687	1	A
4,4'-DDT	ND		ug/kg	3.61	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.455	1	A
Endosulfan II	ND		ug/kg	1.93	0.644	1	A
Endosulfan sulfate	ND		ug/kg	0.803	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	ND		ug/kg	2.41	0.671	1	A
trans-Chlordane	ND		ug/kg	2.41	0.636	1	A
Chlordane	ND		ug/kg	15.6	6.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-02	Date Collected:	02/24/14 14:50
Client ID:	SB-16_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/25/14 23:50
Analytical Date:	02/26/14 18:15	Methylation Date:	02/26/14 12:05
Analyst:	SH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	201	24.4	1	A
2,4,5-T	ND		ug/kg	201	12.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	201	11.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	91		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-03	Date Collected:	02/24/14 12:30
Client ID:	SB-17_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/25/14 23:50
Analytical Date:	02/26/14 18:35	Methylation Date:	02/26/14 12:05
Analyst:	SH		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.3	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	106		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-03	D	Date Collected:	02/24/14 12:30
Client ID:	SB-17_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	02/25/14 10:05
Analytical Date:	02/26/14 09:42		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	02/25/14
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.5	3.42	10	A
Lindane	ND		ug/kg	7.28	3.26	10	A
Alpha-BHC	ND		ug/kg	7.28	2.07	10	A
Beta-BHC	ND		ug/kg	17.5	6.63	10	A
Heptachlor	ND		ug/kg	8.74	3.92	10	A
Aldrin	ND		ug/kg	17.5	6.16	10	A
Heptachlor epoxide	ND		ug/kg	32.8	9.83	10	A
Endrin	ND		ug/kg	7.28	2.99	10	A
Endrin ketone	ND		ug/kg	17.5	4.50	10	A
Dieldrin	ND		ug/kg	10.9	5.46	10	A
4,4'-DDE	ND		ug/kg	17.5	4.04	10	A
4,4'-DDD	ND		ug/kg	17.5	6.24	10	A
4,4'-DDT	395		ug/kg	32.8	14.0	10	B
Endosulfan I	ND		ug/kg	17.5	4.13	10	A
Endosulfan II	ND		ug/kg	17.5	5.84	10	A
Endosulfan sulfate	ND		ug/kg	7.28	3.47	10	A
Methoxychlor	ND		ug/kg	32.8	10.2	10	A
Toxaphene	ND		ug/kg	328	91.8	10	A
cis-Chlordane	ND		ug/kg	21.8	6.09	10	A
trans-Chlordane	ND		ug/kg	21.8	5.77	10	A
Chlordane	ND		ug/kg	142	57.9	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	133		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-04	Date Collected:	02/24/14 12:45
Client ID:	SB-17_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/25/14 10:05
Analytical Date:	02/26/14 09:55	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/25/14
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.881	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.991	1	A
Endrin	ND		ug/kg	0.734	0.301	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.551	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.629	1	A
4,4'-DDT	ND		ug/kg	3.30	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.589	1	A
Endosulfan sulfate	ND		ug/kg	0.734	0.350	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.25	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.3	5.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-04	Date Collected:	02/24/14 12:45
Client ID:	SB-17_7-9	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/25/14 23:50
Analytical Date:	02/26/14 18:56	Methylation Date:	02/26/14 12:05
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	23.3	1	A
2,4,5-T	ND		ug/kg	192	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	104		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-05	Date Collected:	02/24/14 10:30
Client ID:	SB-25_0-2	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/25/14 23:50
Analytical Date:	02/26/14 19:16	Methylation Date:	02/26/14 12:05
Analyst:	SH		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	21.9	1	A
2,4,5-T	ND		ug/kg	180	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	41		30-150	A
DCAA	64		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-05	D	Date Collected:	02/24/14 10:30
Client ID:	SB-25_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	02/25/14 10:05
Analytical Date:	02/26/14 10:08		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	02/25/14
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.9	3.32	10	A
Lindane	ND		ug/kg	7.06	3.15	10	A
Alpha-BHC	ND		ug/kg	7.06	2.00	10	A
Beta-BHC	ND		ug/kg	16.9	6.42	10	A
Heptachlor	ND		ug/kg	8.47	3.80	10	A
Aldrin	ND		ug/kg	16.9	5.96	10	A
Heptachlor epoxide	ND		ug/kg	31.7	9.52	10	A
Endrin	ND		ug/kg	7.06	2.89	10	A
Endrin ketone	ND		ug/kg	16.9	4.36	10	A
Dieldrin	ND		ug/kg	10.6	5.29	10	A
4,4'-DDE	ND		ug/kg	16.9	3.92	10	A
4,4'-DDD	ND		ug/kg	16.9	6.04	10	A
4,4'-DDT	20.2	J	ug/kg	31.7	13.6	10	B
Endosulfan I	ND		ug/kg	16.9	4.00	10	A
Endosulfan II	ND		ug/kg	16.9	5.66	10	A
Endosulfan sulfate	ND		ug/kg	7.06	3.36	10	A
Methoxychlor	ND		ug/kg	31.7	9.88	10	A
Toxaphene	ND		ug/kg	317	88.9	10	A
cis-Chlordane	ND		ug/kg	21.2	5.90	10	A
trans-Chlordane	ND		ug/kg	21.2	5.59	10	A
Chlordane	ND		ug/kg	138	56.1	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-06	Date Collected:	02/24/14 11:00
Client ID:	SB-25_8-10	Date Received:	02/24/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/25/14 23:50
Analytical Date:	02/26/14 19:36	Methylation Date:	02/26/14 12:05
Analyst:	SH		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	22.5	1	A
2,4,5-T	ND		ug/kg	185	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	87		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-06	D	Date Collected:	02/24/14 11:00
Client ID:	SB-25_8-10		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	02/25/14 10:05
Analytical Date:	02/26/14 10:21		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	02/25/14
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.0	3.53	10	A
Lindane	ND		ug/kg	7.50	3.35	10	A
Alpha-BHC	ND		ug/kg	7.50	2.13	10	A
Beta-BHC	ND		ug/kg	18.0	6.83	10	A
Heptachlor	ND		ug/kg	9.00	4.04	10	A
Aldrin	ND		ug/kg	18.0	6.34	10	A
Heptachlor epoxide	ND		ug/kg	33.8	10.1	10	A
Endrin	ND		ug/kg	7.50	3.08	10	A
Endrin ketone	ND		ug/kg	18.0	4.64	10	A
Dieldrin	ND		ug/kg	11.2	5.63	10	A
4,4'-DDE	ND		ug/kg	18.0	4.16	10	A
4,4'-DDD	ND		ug/kg	18.0	6.42	10	A
4,4'-DDT	ND		ug/kg	33.8	14.5	10	A
Endosulfan I	ND		ug/kg	18.0	4.25	10	A
Endosulfan II	ND		ug/kg	18.0	6.02	10	A
Endosulfan sulfate	ND		ug/kg	7.50	3.57	10	A
Methoxychlor	ND		ug/kg	33.8	10.5	10	A
Toxaphene	ND		ug/kg	338	94.5	10	A
cis-Chlordane	ND		ug/kg	22.5	6.27	10	A
trans-Chlordane	ND		ug/kg	22.5	5.94	10	A
Chlordane	ND		ug/kg	146	59.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-07	D	Date Collected:	02/24/14 00:00
Client ID:	SODUP01_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	02/25/14 10:05
Analytical Date:	02/26/14 10:35		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	02/25/14
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.5	3.23	10	A
Lindane	ND		ug/kg	6.88	3.07	10	A
Alpha-BHC	ND		ug/kg	6.88	1.95	10	A
Beta-BHC	ND		ug/kg	16.5	6.26	10	A
Heptachlor	ND		ug/kg	8.25	3.70	10	A
Aldrin	ND		ug/kg	16.5	5.81	10	A
Heptachlor epoxide	ND		ug/kg	30.9	9.28	10	A
Endrin	ND		ug/kg	6.88	2.82	10	A
Endrin ketone	ND		ug/kg	16.5	4.25	10	A
Dieldrin	ND		ug/kg	10.3	5.16	10	A
4,4'-DDE	ND		ug/kg	16.5	3.82	10	A
4,4'-DDD	ND		ug/kg	16.5	5.88	10	A
4,4'-DDT	1260		ug/kg	30.9	13.3	10	B
Endosulfan I	ND		ug/kg	16.5	3.90	10	A
Endosulfan II	ND		ug/kg	16.5	5.51	10	A
Endosulfan sulfate	ND		ug/kg	6.88	3.27	10	A
Methoxychlor	ND		ug/kg	30.9	9.62	10	A
Toxaphene	ND		ug/kg	309	86.6	10	A
cis-Chlordane	ND		ug/kg	20.6	5.75	10	A
trans-Chlordane	ND		ug/kg	20.6	5.44	10	A
Chlordane	ND		ug/kg	134	54.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

SAMPLE RESULTS

Lab ID:	L1404004-07	D	Date Collected:	02/24/14 00:00
Client ID:	SODUP01_0-2		Date Received:	02/24/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 8151A
Analytical Method:	1,8151A		Extraction Date:	02/25/14 23:50
Analytical Date:	02/27/14 07:58		Methylation Date:	02/26/14 12:05
Analyst:	SH			
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	5480		ug/kg	3580	435.	20	A
2,4,5-T	ND		ug/kg	3580	223.	20	A
2,4,5-TP (Silvex)	ND		ug/kg	3580	197.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/26/14 07:43
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 02/25/14 10:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 02/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG672120-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.58	0.598	A
Heptachlor	ND		ug/kg	0.788	0.353	A
Aldrin	ND		ug/kg	1.58	0.555	A
Heptachlor epoxide	ND		ug/kg	2.95	0.886	A
Endrin	ND		ug/kg	0.656	0.269	A
Endrin ketone	ND		ug/kg	1.58	0.406	A
Dieldrin	ND		ug/kg	0.985	0.492	A
4,4'-DDE	ND		ug/kg	1.58	0.364	A
4,4'-DDD	ND		ug/kg	1.58	0.562	A
4,4'-DDT	ND		ug/kg	2.95	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.372	A
Endosulfan II	ND		ug/kg	1.58	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.919	A
Toxaphene	ND		ug/kg	29.5	8.27	A
cis-Chlordane	ND		ug/kg	1.97	0.549	A
trans-Chlordane	ND		ug/kg	1.97	0.520	A
Chlordane	ND		ug/kg	12.8	5.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/26/14 16:55
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 02/25/14 23:50

Methylation Date: 02/26/14 12:05

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-07 Batch: WG672290-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.2	A
2,4,5-TP (Silvex)	ND		ug/kg	163	9.01	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	87		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG672120-2 WG672120-3									
Delta-BHC	70		66		30-150	6		30	A
Lindane	71		68		30-150	4		30	A
Alpha-BHC	71		69		30-150	3		30	A
Beta-BHC	66		62		30-150	6		30	A
Heptachlor	76		72		30-150	5		30	A
Aldrin	75		72		30-150	4		30	A
Heptachlor epoxide	74		71		30-150	4		30	A
Endrin	82		79		30-150	4		30	A
Endrin ketone	75		74		30-150	1		30	A
Dieldrin	78		74		30-150	5		30	A
4,4'-DDE	74		70		30-150	6		30	A
4,4'-DDD	77		74		30-150	4		30	A
4,4'-DDT	86		84		30-150	2		30	A
Endosulfan I	77		73		30-150	5		30	A
Endosulfan II	76		73		30-150	4		30	A
Endosulfan sulfate	77		76		30-150	1		30	A
Methoxychlor	73		71		30-150	3		30	A
cis-Chlordane	74		72		30-150	3		30	A
trans-Chlordane	73		70		30-150	4		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG672120-2 WG672120-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		68		30-150	A
Decachlorobiphenyl	83		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		59		30-150	B
Decachlorobiphenyl	96		91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404004

Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG672290-2 WG672290-3									
2,4-D	110		100		30-150	10		30	A
2,4,5-T	84		77		30-150	9		30	A
2,4,5-TP (Silvex)	84		76		30-150	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	81		69		30-150	A
DCAA	98		85		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-01
Client ID: SB-16_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 02/24/14 14:30
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4600		mg/kg	8.4	1.7	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Antimony, Total	1.9	J	mg/kg	4.2	0.67	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Arsenic, Total	11		mg/kg	0.84	0.17	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Barium, Total	130		mg/kg	0.84	0.25	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Beryllium, Total	0.33	J	mg/kg	0.42	0.08	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Cadmium, Total	0.16	J	mg/kg	0.84	0.06	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Calcium, Total	46000		mg/kg	8.4	2.5	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Chromium, Total	14		mg/kg	0.84	0.17	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Cobalt, Total	4.3		mg/kg	1.7	0.42	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Copper, Total	69		mg/kg	0.84	0.17	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.2	1.7	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Lead, Total	260		mg/kg	4.2	0.17	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Magnesium, Total	7800		mg/kg	8.4	0.84	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Manganese, Total	220		mg/kg	0.84	0.17	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Mercury, Total	0.24		mg/kg	0.08	0.02	1	02/26/14 11:31	02/26/14 15:24	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.34	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Potassium, Total	660		mg/kg	210	34.	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.25	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Sodium, Total	200		mg/kg	170	25.	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Vanadium, Total	22		mg/kg	0.84	0.08	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG
Zinc, Total	240		mg/kg	4.2	0.59	2	02/25/14 15:32	02/26/14 16:11	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-02
Client ID: SB-16_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 02/24/14 14:50
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9500		mg/kg	9.3	1.9	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.6	0.74	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Arsenic, Total	5.4		mg/kg	0.93	0.19	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Barium, Total	45		mg/kg	0.93	0.28	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Beryllium, Total	0.57		mg/kg	0.46	0.09	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.93	0.07	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Calcium, Total	580		mg/kg	9.3	2.8	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.93	0.19	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Cobalt, Total	7.5		mg/kg	1.9	0.46	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Copper, Total	15		mg/kg	0.93	0.19	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Iron, Total	16000		mg/kg	4.6	1.9	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Lead, Total	15		mg/kg	4.6	0.19	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Magnesium, Total	2700		mg/kg	9.3	0.93	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Manganese, Total	130		mg/kg	0.93	0.19	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/26/14 11:31	02/27/14 09:58	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.3	0.37	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Potassium, Total	570		mg/kg	230	37.	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.28	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.93	0.19	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Sodium, Total	47	J	mg/kg	190	28.	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.37	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Vanadium, Total	15		mg/kg	0.93	0.09	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG
Zinc, Total	62		mg/kg	4.6	0.65	2	02/25/14 15:32	02/26/14 16:15	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-03
Client ID: SB-17_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 02/24/14 12:30
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8100		mg/kg	8.7	1.7	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Antimony, Total	140		mg/kg	4.4	0.70	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Arsenic, Total	74		mg/kg	0.87	0.17	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Barium, Total	140		mg/kg	0.87	0.26	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.44	0.09	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Cadmium, Total	5.6		mg/kg	0.87	0.06	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Calcium, Total	62000		mg/kg	8.7	2.6	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Chromium, Total	29		mg/kg	0.87	0.17	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Cobalt, Total	8.7		mg/kg	1.7	0.44	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Copper, Total	230		mg/kg	0.87	0.17	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Iron, Total	22000		mg/kg	4.4	1.7	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Lead, Total	4600		mg/kg	4.4	0.17	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Magnesium, Total	26000		mg/kg	8.7	0.87	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Manganese, Total	160		mg/kg	0.87	0.17	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Mercury, Total	0.47		mg/kg	0.08	0.02	1	02/26/14 11:31	02/27/14 10:05	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	2.2	0.35	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Potassium, Total	590		mg/kg	220	35.	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Selenium, Total	2.0		mg/kg	1.7	0.26	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Silver, Total	0.52	J	mg/kg	0.87	0.17	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Sodium, Total	180		mg/kg	170	26.	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Thallium, Total	2.0		mg/kg	1.7	0.35	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Vanadium, Total	26		mg/kg	0.87	0.09	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG
Zinc, Total	500		mg/kg	4.4	0.61	2	02/25/14 15:32	02/26/14 16:55	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1404004
Project Number: 170229002
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-04
Client ID: SB-17_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 02/24/14 12:45
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7900		mg/kg	8.9	1.8	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.4	0.71	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Arsenic, Total	7.0		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Barium, Total	32		mg/kg	0.89	0.27	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Beryllium, Total	0.44		mg/kg	0.44	0.09	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.89	0.06	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Calcium, Total	680		mg/kg	8.9	2.7	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Cobalt, Total	4.1		mg/kg	1.8	0.44	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Copper, Total	24		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.4	1.8	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Lead, Total	29		mg/kg	4.4	0.18	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Magnesium, Total	2000		mg/kg	8.9	0.89	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Manganese, Total	140		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Mercury, Total	0.04	J	mg/kg	0.09	0.02	1	02/26/14 11:31	02/27/14 10:07	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.2	0.36	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Potassium, Total	700		mg/kg	220	36.	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Sodium, Total	31	J	mg/kg	180	27.	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	0.89	0.09	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG
Zinc, Total	53		mg/kg	4.4	0.62	2	02/25/14 15:32	02/26/14 16:59	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-05
Client ID: SB-25_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 02/24/14 10:30
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5000		mg/kg	8.5	1.7	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Antimony, Total	1.5	J	mg/kg	4.2	0.68	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Arsenic, Total	9.1		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Barium, Total	120		mg/kg	0.85	0.25	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Beryllium, Total	0.22	J	mg/kg	0.42	0.09	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Cadmium, Total	0.22	J	mg/kg	0.85	0.06	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Calcium, Total	55000		mg/kg	8.5	2.5	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Chromium, Total	10		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Cobalt, Total	5.6		mg/kg	1.7	0.42	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Copper, Total	47		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.2	1.7	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Lead, Total	300		mg/kg	4.2	0.17	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Magnesium, Total	19000		mg/kg	8.5	0.85	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Mercury, Total	0.56		mg/kg	0.08	0.02	1	02/26/14 11:31	02/27/14 10:09	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.1	0.34	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Potassium, Total	760		mg/kg	210	34.	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.25	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	170	25.	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.85	0.09	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG
Zinc, Total	130		mg/kg	4.2	0.59	2	02/25/14 15:32	02/26/14 17:03	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1404004
Project Number: 170229002
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-06
Client ID: SB-25_8-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 02/24/14 11:00
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	900		mg/kg	8.9	1.8	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Antimony, Total	0.84	J	mg/kg	4.4	0.71	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Arsenic, Total	29		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Barium, Total	32		mg/kg	0.89	0.27	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Beryllium, Total	0.10	J	mg/kg	0.44	0.09	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.89	0.06	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Calcium, Total	2000		mg/kg	8.9	2.7	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Cobalt, Total	2.3		mg/kg	1.8	0.44	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Copper, Total	53		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Iron, Total	16000		mg/kg	4.4	1.8	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Lead, Total	100		mg/kg	4.4	0.18	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Magnesium, Total	940		mg/kg	8.9	0.89	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Manganese, Total	34		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Mercury, Total	0.18		mg/kg	0.08	0.02	1	02/26/14 11:31	02/27/14 10:10	EPA 7471B	1,7471B	MC
Nickel, Total	6.6		mg/kg	2.2	0.36	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Potassium, Total	1100		mg/kg	220	36.	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Selenium, Total	0.39	J	mg/kg	1.8	0.27	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.89	0.18	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Sodium, Total	2800		mg/kg	180	27.	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Vanadium, Total	8.8		mg/kg	0.89	0.09	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG
Zinc, Total	57		mg/kg	4.4	0.62	2	02/25/14 15:32	02/26/14 17:07	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-07
Client ID: SODUP01_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 02/24/14 00:00
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3300		mg/kg	8.5	1.7	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Antimony, Total	4.9		mg/kg	4.2	0.68	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Arsenic, Total	12		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Barium, Total	320		mg/kg	0.85	0.26	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Beryllium, Total	0.24	J	mg/kg	0.42	0.09	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Cadmium, Total	1.1		mg/kg	0.85	0.06	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Calcium, Total	36000		mg/kg	8.5	2.6	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Chromium, Total	13		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Cobalt, Total	4.0		mg/kg	1.7	0.42	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Copper, Total	160		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.2	1.7	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Lead, Total	1000		mg/kg	4.2	0.17	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Magnesium, Total	10000		mg/kg	8.5	0.85	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Manganese, Total	140		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Mercury, Total	0.32		mg/kg	0.09	0.02	1	02/26/14 11:31	02/27/14 10:16	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.1	0.34	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Potassium, Total	600		mg/kg	210	34.	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Selenium, Total	0.36	J	mg/kg	1.7	0.26	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.85	0.17	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Sodium, Total	160	J	mg/kg	170	26.	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Vanadium, Total	25		mg/kg	0.85	0.09	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG
Zinc, Total	470		mg/kg	4.2	0.60	2	02/25/14 15:32	02/26/14 17:10	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07 Batch: WG672243-1										
Aluminum, Total	1.3	J	mg/kg	4.0	0.80	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Antimony, Total	0.38	J	mg/kg	2.0	0.32	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	02/25/14 15:32	02/26/14 14:53	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG672364-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/26/14 11:31	02/26/14 14:34	1,7471B	MC

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-07 Batch: WG672367-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/26/14 11:31	02/27/14 09:54	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG672243-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	112		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	92		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	95		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	92		-		83-117	-		
Copper, Total	92		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	87		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	95		-		83-117	-		
Nickel, Total	88		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	97		-		66-134	-		
Sodium, Total	98		-		74-127	-		
Thallium, Total	91		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG672243-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG672364-2 SRM Lot Number: 0518-10-02					
Mercury, Total	102	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 02-07 Batch: WG672367-2 SRM Lot Number: 0518-10-02					
Mercury, Total	133	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672243-4 QC Sample: L1403949-01 Client ID: MS Sample												
Aluminum, Total	1900	164	2200	**183**	Q	-	-		75-125	-		35
Antimony, Total	ND	40.9	40	98		-	-		75-125	-		35
Arsenic, Total	0.95	9.82	10	92		-	-		75-125	-		35
Barium, Total	4.4	164	160	95		-	-		75-125	-		35
Beryllium, Total	0.10J	4.09	4.2	103		-	-		75-125	-		35
Cadmium, Total	0.10J	4.17	4.0	96		-	-		75-125	-		35
Calcium, Total	340	818	1100	93		-	-		75-125	-		35
Chromium, Total	2.5	16.4	18	95		-	-		75-125	-		35
Cobalt, Total	0.46J	40.9	40	98		-	-		75-125	-		35
Copper, Total	2.7	20.5	22	94		-	-		75-125	-		35
Iron, Total	1900	81.8	1800	**0**	Q	-	-		75-125	-		35
Lead, Total	3.9	41.7	46	101		-	-		75-125	-		35
Magnesium, Total	250	818	980	89		-	-		75-125	-		35
Manganese, Total	23.	40.9	59	88		-	-		75-125	-		35
Nickel, Total	1.2	40.9	39	92		-	-		75-125	-		35
Potassium, Total	88.J	818	930	114		-	-		75-125	-		35
Selenium, Total	0.14J	9.82	9.2	94		-	-		75-125	-		35
Silver, Total	ND	24.6	24	98		-	-		75-125	-		35
Sodium, Total	60.J	818	880	108		-	-		75-125	-		35
Thallium, Total	ND	9.82	9.0	92		-	-		75-125	-		35
Vanadium, Total	3.3	40.9	44	99		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672243-4 QC Sample: L1403949-01 Client ID: MS Sample										
Zinc, Total	230	40.9	220	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG672364-4 QC Sample: L1403206-06 Client ID: MS Sample										
Mercury, Total	0.07J	0.159	0.22	**138**	Q	-	-	80-120	-	35
Total Metals - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG672367-4 QC Sample: L1404004-02 Client ID: SB-16_7-9										
Mercury, Total	ND	0.155	0.22	**142**	Q	-	-	80-120	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672243-3 QC Sample: L1403949-01 Client ID: DUP Sample						
Arsenic, Total	0.95	1.1	mg/kg	15		35
Lead, Total	3.9	5.4	mg/kg	32		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG672364-3 QC Sample: L1403206-06 Client ID: DUP Sample						
Mercury, Total	0.07J	0.06J	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG672367-3 QC Sample: L1404004-02 Client ID: SB-16_7-9						
Mercury, Total	ND	ND	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-01
Client ID: SB-16_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/24/14 14:30
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.88	0.88	1	-	02/27/14 10:30	107,-	JO
Solids, Total	90.5		%	0.100	NA	1	-	02/25/14 01:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	02/25/14 11:19	02/25/14 15:54	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.88	0.18	1	02/25/14 15:15	02/26/14 15:32	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-02
Client ID: SB-16_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/24/14 14:50
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.97	0.97	1	-	02/27/14 10:30	107,-	JO
Solids, Total	82.5		%	0.100	NA	1	-	02/25/14 01:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	02/25/14 11:19	02/25/14 15:55	1,9010C/9012B	JO
Chromium, Hexavalent	0.44	J	mg/kg	0.97	0.19	1	02/25/14 15:15	02/26/14 15:33	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-03
Client ID: SB-17_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/24/14 12:30
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	29		mg/kg	0.90	0.90	1	-	02/27/14 10:30	107,-	JO
Solids, Total	88.8		%	0.100	NA	1	-	02/25/14 01:44	30,2540G	RT
Cyanide, Total	0.75	J	mg/kg	1.1	0.25	1	02/25/14 14:20	02/25/14 17:06	1,9010C/9012B	JO
Chromium, Hexavalent	0.20	J	mg/kg	0.90	0.18	1	02/25/14 15:15	02/26/14 15:34	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-04
Client ID: SB-17_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/24/14 12:45
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.92	0.92	1	-	02/27/14 10:30	107,-	JO
Solids, Total	86.4		%	0.100	NA	1	-	02/25/14 01:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	02/25/14 14:20	02/25/14 17:07	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	02/25/14 15:15	02/26/14 15:35	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-05
Client ID: SB-25_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/24/14 10:30
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.87	0.87	1	-	02/27/14 10:30	107,-	JO
Solids, Total	92.1		%	0.100	NA	1	-	02/25/14 01:44	30,2540G	RT
Cyanide, Total	1.6		mg/kg	1.0	0.25	1	02/25/14 14:20	02/25/14 17:07	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	02/25/14 15:15	02/26/14 15:37	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-06
Client ID: SB-25_8-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/24/14 11:00
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	15		mg/kg	0.92	0.92	1	-	02/27/14 10:30	107,-	JO
Solids, Total	87.0		%	0.100	NA	1	-	02/25/14 01:44	30,2540G	RT
Cyanide, Total	1.3		mg/kg	1.1	0.26	1	02/25/14 14:20	02/25/14 17:08	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	02/25/14 15:15	02/26/14 15:38	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

SAMPLE RESULTS

Lab ID: L1404004-07
Client ID: SODUP01_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/24/14 00:00
Date Received: 02/24/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.87	0.87	1	-	02/27/14 10:30	107,-	JO
Solids, Total	92.0		%	0.100	NA	1	-	02/25/14 01:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	02/25/14 14:20	02/25/14 17:10	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	02/25/14 15:15	02/26/14 15:39	1,7196A	JT

Project Name: GREENPOINT LANDING **Lab Number:** L1404004

Project Number: 170229002 **Report Date:** 02/28/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG672096-1										
Cyanide, Total	ND		mg/kg	0.96	0.22	1	02/25/14 11:19	02/25/14 15:42	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 03-07 Batch: WG672097-1										
Cyanide, Total	ND		mg/kg	0.87	0.20	1	02/25/14 14:20	02/25/14 17:01	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG672186-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	02/25/14 15:15	02/26/14 15:21	1,7196A	JT

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG672096-2 WG672096-3								
Cyanide, Total	96		100		80-120	4		35
General Chemistry - Westborough Lab Associated sample(s): 03-07 Batch: WG672097-2 WG672097-3								
Cyanide, Total	93		98		80-120	5		35
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG672186-2								
Chromium, Hexavalent	96		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404004
Report Date: 02/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG672096-4 WG672096-5 QC Sample: L1404002-07 Client ID: MS Sample												
Cyanide, Total	1.1J	12	15	120		13	110		65-135	14		35
General Chemistry - Westborough Lab Associated sample(s): 03-07 QC Batch ID: WG672097-4 WG672097-5 QC Sample: L1404004-07 Client ID: SODUP01_0-2												
Cyanide, Total	ND	10	9.4	89		10	96		65-135	6		35
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672186-5 QC Sample: L1404004-02 Client ID: SB-16_7-9												
Chromium, Hexavalent	0.44J	1550	1500	97		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672027-1 QC Sample: L1403949-01 Client ID: DUP Sample						
Solids, Total	94.5	94.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672186-4 QC Sample: L1404004-02 Client ID: SB-16_7-9						
Chromium, Hexavalent	0.44J	0.42J	mg/kg	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/25/2014 01:30

Cooler Information	Custody Seal
Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404004-01A	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-01B	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-01C	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-01D	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-01E	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-01F	Plastic 2oz unpreserved for TS	B	N/A	2.9	Y	Absent	TS(7)
L1404004-01X	Vial MeOH preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-01Y	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-01Z	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-02A	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404004-02B	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-02C	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-02D	Amber 500ml unpreserved	B	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-02E	Amber 500ml unpreserved	B	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-02F	Plastic 2oz unpreserved for TS	B	N/A	2.9	Y	Absent	TS(7)
L1404004-02X	Vial MeOH preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-02Y	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-02Z	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-03A	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-03B	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-03C	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-03D	Amber 500ml unpreserved	B	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404004-03E	Amber 500ml unpreserved	B	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-03F	Plastic 2oz unpreserved for TS	B	N/A	2.9	Y	Absent	TS(7)
L1404004-03X	Vial MeOH preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-03Y	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-03Z	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-04A	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-04B	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-04C	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-04D	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-04E	Amber 500ml unpreserved	B	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-04F	Plastic 2oz unpreserved for TS	B	N/A	2.9	Y	Absent	TS(7)
L1404004-04X	Vial MeOH preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404004-04Y	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-04Z	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-05A	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-05B	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-05C	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-05D	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-05E	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-05F	Plastic 2oz unpreserved for TS	B	N/A	2.9	Y	Absent	TS(7)
L1404004-05X	Vial MeOH preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-05Y	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-05Z	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-06A	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-06B	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-06C	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404004-06D	Amber 500ml unpreserved	B	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-06E	Amber 500ml unpreserved	B	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-06F	Plastic 2oz unpreserved for TS	B	N/A	2.9	Y	Absent	TS(7)
L1404004-06X	Vial MeOH preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-06Y	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-06Z	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-07A	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-07B	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-07C	5 gram Encore Sampler	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1404004-07D	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404004
Report Date: 02/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404004-07E	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404004-07F	Plastic 2oz unpreserved for TS	B	N/A	2.9	Y	Absent	TS(7)
L1404004-07X	Vial MeOH preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-07Y	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-07Z	Vial Water preserved split	B	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1404004-08A	Vial HCl preserved	B	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1404004-08B	Vial HCl preserved	B	N/A	2.9	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404004
Project Number:	170229002	**Report Date:**	02/28/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404004
Project Number:	170229002	**Report Date:**	02/28/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1404004
Project Number: 170229002 **Report Date:** 02/28/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Soil

Serial_No:02281416:19

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/24/14

ALPHA Job #: L1404004

Client Information

Client: LANBAN D.P.C.

Address:

Phone:

Fax:

Email: gwyk@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAYGORODETSKY

ALPHA Quote #: 2014148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 2/28/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	PART 375 UU SCO / CP-51 SCO's

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDD'S

2) PROVIDE ASP CATEGORY B DELIVERABLES

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TAL LIST VOCS	TCL/TAL LIST SVOCS	TCL/TAL LIST PCBS	TCL/TAL LIST PESTS	TCL/TAL LIST HERB	TCL/TAL LIST METALS	CYANIDE	TOTAL CHROMIUM	HEX CHROMIUM			Sample Specific Comments	TOTAL # BOTTLES
04004-01	SB-16_0-2	2/24/14	14:30	Soil	SM	X	X	X	X	X	X	X	X	X			(3) EnCore + Solid Jar (2) Large Amber Jars	
-02	SB-16_7-9		14:50		SM	X	X	X	X	X	X	X	X	X				
-03	SB-17_0-2		12:30		SM	X	X	X	X	X	X	X	X	X				
-04	SB-17_7-9		12:45		SM	X	X	X	X	X	X	X	X	X				
-05	SB-25_0-2		10:30		SM	X	X	X	X	X	X	X	X	X				
-06	SB-25_8-10		11:00		SM	X	X	X	X	X	X	X	X	X				
-07	SODUP01_0-2		-		SM	X	X	X	X	X	X	X	X	X				
-08	SOTB01_022414		-		SM	X											(2) VOA Vials	

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	2/24/14 @ 1400	[illegible]	2/24/14 1640
[illegible]	2/24/14 1900	[illegible]	2-24-14 1900
[illegible]	2-24-14 23:05	[illegible]	2/24/14 23:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1404087
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	03/04/14

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Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404087-01	SB-18_0-2	BROOKLYN, NY	02/25/14 08:45
L1404087-02	SB-18_8-10	BROOKLYN, NY	02/25/14 08:55
L1404087-03	SB-21_0-2	BROOKLYN, NY	02/25/14 10:35
L1404087-04	SB-21_3.5-5.5	BROOKLYN, NY	02/25/14 10:45
L1404087-05	SB-22_0-2	BROOKLYN, NY	02/25/14 13:30
L1404087-06	SB-22_3.5-5.5	BROOKLYN, NY	02/25/14 13:40
L1404087-07	SB-22_6-8	BROOKLYN, NY	02/25/14 13:50
L1404087-08	SOFB01_022514	BROOKLYN, NY	02/25/14 16:45
L1404087-09	SOTB02_022514	BROOKLYN, NY	02/25/14 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1404087
Project Number: 170229002 **Report Date:** 03/04/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404087
Project Number:	170229002	**Report Date:**	03/04/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG672886-4/-5 MS/MSD recoveries, performed on L1404087-07, are below the acceptance criteria for tetrachloroethene (MSD at 65%), chlorobenzene (MSD at 63%), trans-1,3-dichloropropene (69%/64%), bromoform (MSD at 68%), toluene (MSD at 67%), ethylbenzene (MSD at 64%), 1,2-dichlorobenzene (64%/53%), 1,3-dichlorobenzene (61%/52%), 1,4-dichlorobenzene (59%/51%), p/m-xylene (MSD at 64%), o-xylene (MSD at 65%), styrene (69%/59%), vinyl acetate (66%/54%), 1,2-dibromoethane (MSD at 67%), bromobenzene (66%/60%), n-butylbenzene (59%/45%), sec-butylbenzene (65%/54%), tert-butylbenzene (69%/58%), o-chlorotoluene (67%/66%), p-chlorotoluene (64%/56%), 1,2-dibromo-3-chloropropane (MSD at 64%), hexachlorobutadiene (45%/31%), isopropylbenzene (MSD at 63%), p-isopropyltoluene (65%/54%), naphthalene (MS at 53%), n-propylbenzene (68%/60%), 1,2,3-trichlorobenzene (49%/37%), 1,2,4-trichlorobenzene (48%/36%), 1,3,5-trimethylbenzene (MSD at 61%), 1,2,4-trimethylbenzene (67%/57%), p-diethylbenzene (61%/50%), p-ethyltoluene (68%/59%), 1,2,4,5-tetramethylbenzene (59%/47%), trans-1,4-dichloro-2-butene (69%/64%), and methyl cyclohexane (MSD at 69%); however, the associated LCS/LCSD recoveries are within overall method allowances.

The WG672886-4/-5 MS/MSD RPDs, performed on L1404087-07, are above the acceptance criteria for 1,2-dichlorobenzene (32%), vinyl acetate (34%), n-butylbenzene (38%), tert-butylbenzene (31%), hexachlorobutadiene (49%), p-isopropyltoluene (32%), 1,2,3-trichlorobenzene (41%), 1,2,4-trichlorobenzene (40%), p-diethylbenzene (33%), 1,2,4,5-tetramethylbenzene (34%), and methyl cyclohexane (32%).

Semivolatile Organics

L1404087-01, -03, -05, and -06 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

The WG672532-4/-5 MS/MSD recoveries, performed on L1404087-07, are outside the acceptance criteria for fluoranthene (32%/6%), bis(2-chloroisopropyl)ether (MSD at 31%), hexachlorocyclopentadiene (19%/13%),

Case Narrative (continued)

hexachloroethane (MSD at 36%), benzo(a)anthracene (MSD at 31%), benzo(a)pyrene (MSD at 35%), benzo(b)fluoranthene (MSD at 34%), chrysene (MSD at 29%), benzo(ghi)perylene (MSD at 37%), phenanthrene (MS at 25%), indeno(1,2,3-cd)pyrene (MSD at 34%), pyrene (MSD at 13%), 4-chloroaniline (MSD at 35%), and 4,6-dinitro-o-cresol (6%/6%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.
The WG672532-4/-5 MS/MSD recoveries, performed on L1404087-07, are below the acceptance criteria for phenanthrene (MSD at 0%), 2,4-dinitrophenol (0%/0%), and benzoic acid (0%/0%) due to the concentration of these compounds falling below the reported detection limit.

Metals
L1404087-01 through -07 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.
The WG672464-3/-4 MS/MSD recoveries for aluminum (336%/224%), iron (2240%/19000%), lead (482%/1840%), and zinc (0%/0%), performed on L1404087-07, do not apply because the sample concentrations are greater than four times the spike amount added.
The WG672464-3/-4 MS/MSD recoveries, performed on L1404087-07, are outside the acceptance criteria for arsenic (149%/345%), cadmium (67%/67%), calcium (0%/0%), copper (67%/188%), magnesium (MS at 67%), manganese (MSD at 268%), nickel (MSD at 130%) and thallium (66%/64%). A post digestion spike was performed and was within acceptance criteria.
The WG672464-3/-4 MS/MSD RPDs, performed on L1404087-07, are above the acceptance criteria for arsenic (39%), iron (45%), lead (63%), and zinc (63%).
The WG672643-4 MS recovery for mercury (0%), performed on L1404087-06, does not apply because the sample concentration is greater than four times the spike amount added.
The WG672645-3/-4 MS/MSD recoveries, performed on L1404087-07, are outside the acceptance criteria for mercury (227%/674%). A post digestion spike was performed and was within acceptance criteria.
The WG672645-3/-4 MS/MSD RPD, performed on L1404087-07, is above the acceptance criteria for mercury (68%).
The WG672643-3 Laboratory Duplicate RPD, performed on L1404087-06, is outside the acceptance criteria

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Case Narrative (continued)

for mercury (79%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

Cyanide, Total

L1404087-03 has an elevated detection limit due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 03/04/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-01	Date Collected:	02/25/14 08:45
Client ID:	SB-18_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/27/14 14:16		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.9	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	1
Chloroform	ND		ug/kg	2.2	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.33	1
Dibromochloromethane	ND		ug/kg	1.4	0.44	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.44	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.50	1
Trichlorofluoromethane	ND		ug/kg	7.2	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.2	0.66	1
Bromoform	ND		ug/kg	5.8	0.60	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.25	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.2	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.2	1.1	1
Bromomethane	ND		ug/kg	2.9	0.49	1
Vinyl chloride	ND		ug/kg	2.9	0.20	1
Chloroethane	ND		ug/kg	2.9	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	7.2	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.2	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.2	0.35	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-01 Date Collected: 02/25/14 08:45

Client ID: SB-18_0-2 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.9	0.15	1
p/m-Xylene	ND		ug/kg	2.9	0.46	1
o-Xylene	ND		ug/kg	2.9	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Dibromomethane	ND		ug/kg	14	0.24	1
Styrene	ND		ug/kg	2.9	0.45	1
Dichlorodifluoromethane	ND		ug/kg	14	0.32	1
Acetone	22		ug/kg	14	4.5	1
Carbon disulfide	ND		ug/kg	14	2.9	1
2-Butanone	3.1	J	ug/kg	14	0.51	1
Vinyl acetate	ND		ug/kg	14	0.69	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.27	1
Bromochloromethane	ND		ug/kg	7.2	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.2	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.8	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.2	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.46	1
Bromobenzene	ND		ug/kg	7.2	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.30	1
tert-Butylbenzene	ND		ug/kg	7.2	0.81	1
o-Chlorotoluene	ND		ug/kg	7.2	0.23	1
p-Chlorotoluene	ND		ug/kg	7.2	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.2	0.61	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.28	1
Naphthalene	ND		ug/kg	7.2	1.1	1
Acrylonitrile	ND		ug/kg	14	0.34	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.2	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.2	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.2	0.83	1
Methyl Acetate	ND		ug/kg	29	1.1	1
Cyclohexane	ND		ug/kg	29	1.5	1
1,4-Dioxane	ND		ug/kg	140	25.	1

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Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-01	Date Collected:	02/25/14 08:45
Client ID:	SB-18_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	29	0.39	1
p-Diethylbenzene	ND		ug/kg	5.8	0.23	1
p-Ethyltoluene	ND		ug/kg	5.8	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.8	0.19	1
Ethyl ether	ND		ug/kg	7.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	0.65	1
Methyl cyclohexane	ND		ug/kg	5.8	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-02	Date Collected:	02/25/14 08:55
Client ID:	SB-18_8-10	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/27/14 14:44		
Analyst:	BN		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.18	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.57	1
Bromoform	ND		ug/kg	5.0	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.2	0.98	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.30	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

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SAMPLE RESULTS

Lab ID: L1404087-02 Date Collected: 02/25/14 08:55

Client ID: SB-18_8-10 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	1.2	J	ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.40	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	31		ug/kg	12	3.9	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	4.6	J	ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.60	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.24	1
Bromochloromethane	ND		ug/kg	6.2	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.25	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.2	0.70	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.99	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.53	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.2	0.96	1
Acrylonitrile	ND		ug/kg	12	0.30	1
n-Propylbenzene	ND		ug/kg	1.2	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.99	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.72	1
Methyl Acetate	ND		ug/kg	25	0.95	1
Cyclohexane	ND		ug/kg	25	1.3	1
1,4-Dioxane	ND		ug/kg	120	22.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-02	Date Collected:	02/25/14 08:55
Client ID:	SB-18_8-10	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	25	0.34	1
p-Diethylbenzene	ND		ug/kg	5.0	0.20	1
p-Ethyltoluene	ND		ug/kg	5.0	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.56	1
Methyl cyclohexane	ND		ug/kg	5.0	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-03	Date Collected:	02/25/14 10:35
Client ID:	SB-21_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/27/14 15:12		
Analyst:	BN		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.46	1
Bromoform	ND		ug/kg	4.0	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.79	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	20		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-03 Date Collected: 02/25/14 10:35

Client ID: SB-21_0-2 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	ND		ug/kg	10	3.1	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.0	0.57	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.80	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.0	0.78	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.80	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.58	1
Methyl Acetate	ND		ug/kg	20	0.77	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-03	Date Collected:	02/25/14 10:35
Client ID:	SB-21_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45	1
Methyl cyclohexane	ND		ug/kg	4.0	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-04	Date Collected:	02/25/14 10:45
Client ID:	SB-21_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/27/14 15:40		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.23	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.40	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.5	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.5	0.59	1
Bromoform	ND		ug/kg	5.2	0.54	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.5	1.0	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	1.1	J	ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.5	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.5	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.5	0.31	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-04 Date Collected: 02/25/14 10:45

Client ID: SB-21_3.5-5.5 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.6	0.13	1
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.40	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	20		ug/kg	13	4.0	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	2.9	J	ug/kg	13	0.46	1
Vinyl acetate	ND		ug/kg	13	0.62	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.29	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.5	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.5	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.5	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.5	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.5	0.72	1
o-Chlorotoluene	ND		ug/kg	6.5	0.21	1
p-Chlorotoluene	ND		ug/kg	6.5	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.5	0.55	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.5	1.0	1
Acrylonitrile	ND		ug/kg	13	0.31	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.5	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.5	0.74	1
Methyl Acetate	ND		ug/kg	26	0.99	1
Cyclohexane	ND		ug/kg	26	1.4	1
1,4-Dioxane	ND		ug/kg	130	22.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-04	Date Collected:	02/25/14 10:45
Client ID:	SB-21_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	26	0.35	1
p-Diethylbenzene	ND		ug/kg	5.2	0.21	1
p-Ethyltoluene	ND		ug/kg	5.2	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.2	0.17	1
Ethyl ether	ND		ug/kg	6.5	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	0.58	1
Methyl cyclohexane	ND		ug/kg	5.2	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-05	Date Collected:	02/25/14 13:30
Client ID:	SB-22_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/27/14 09:32		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	730	140	1
1,1-Dichloroethane	ND		ug/kg	110	13.	1
Chloroform	ND		ug/kg	110	27.	1
Carbon tetrachloride	ND		ug/kg	73	15.	1
1,2-Dichloropropane	ND		ug/kg	260	17.	1
Dibromochloromethane	ND		ug/kg	73	22.	1
1,1,2-Trichloroethane	ND		ug/kg	110	22.	1
Tetrachloroethene	ND		ug/kg	73	10.	1
Chlorobenzene	ND		ug/kg	73	25.	1
Trichlorofluoromethane	ND		ug/kg	360	8.8	1
1,2-Dichloroethane	ND		ug/kg	73	11.	1
1,1,1-Trichloroethane	ND		ug/kg	73	8.1	1
Bromodichloromethane	ND		ug/kg	73	17.	1
trans-1,3-Dichloropropene	ND		ug/kg	73	8.8	1
cis-1,3-Dichloropropene	ND		ug/kg	73	9.3	1
1,1-Dichloropropene	ND		ug/kg	360	33.	1
Bromoform	ND		ug/kg	290	30.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	73	12.	1
Benzene	ND		ug/kg	73	8.6	1
Toluene	ND		ug/kg	110	8.2	1
Ethylbenzene	20	J	ug/kg	73	11.	1
Chloromethane	ND		ug/kg	360	57.	1
Bromomethane	ND		ug/kg	140	25.	1
Vinyl chloride	ND		ug/kg	140	10.	1
Chloroethane	ND		ug/kg	140	23.	1
1,1-Dichloroethene	ND		ug/kg	73	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	15.	1
Trichloroethene	170		ug/kg	73	11.	1
1,2-Dichlorobenzene	ND		ug/kg	360	13.	1
1,3-Dichlorobenzene	ND		ug/kg	360	13.	1
1,4-Dichlorobenzene	ND		ug/kg	360	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-05 Date Collected: 02/25/14 13:30

Client ID: SB-22_0-2 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	140	7.6	1
p/m-Xylene	ND		ug/kg	140	24.	1
o-Xylene	ND		ug/kg	140	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	73	11.	1
Dibromomethane	ND		ug/kg	730	12.	1
Styrene	ND		ug/kg	140	22.	1
Dichlorodifluoromethane	ND		ug/kg	730	16.	1
Acetone	ND		ug/kg	730	230	1
Carbon disulfide	ND		ug/kg	730	140	1
2-Butanone	ND		ug/kg	730	26.	1
Vinyl acetate	ND		ug/kg	730	35.	1
4-Methyl-2-pentanone	ND		ug/kg	730	18.	1
1,2,3-Trichloropropane	ND		ug/kg	730	16.	1
2-Hexanone	ND		ug/kg	730	14.	1
Bromochloromethane	ND		ug/kg	360	14.	1
2,2-Dichloropropane	ND		ug/kg	360	16.	1
1,2-Dibromoethane	ND		ug/kg	290	13.	1
1,3-Dichloropropane	ND		ug/kg	360	13.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	73	23.	1
Bromobenzene	ND		ug/kg	360	15.	1
n-Butylbenzene	ND		ug/kg	73	14.	1
sec-Butylbenzene	ND		ug/kg	73	15.	1
tert-Butylbenzene	ND		ug/kg	360	41.	1
o-Chlorotoluene	ND		ug/kg	360	12.	1
p-Chlorotoluene	ND		ug/kg	360	11.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	360	58.	1
Hexachlorobutadiene	ND		ug/kg	360	31.	1
Isopropylbenzene	ND		ug/kg	73	12.	1
p-Isopropyltoluene	ND		ug/kg	73	14.	1
Naphthalene	7900		ug/kg	360	56.	1
Acrylonitrile	ND		ug/kg	730	17.	1
n-Propylbenzene	ND		ug/kg	73	9.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	360	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	58.	1
1,3,5-Trimethylbenzene	ND		ug/kg	360	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	360	42.	1
Methyl Acetate	ND		ug/kg	1400	56.	1
Cyclohexane	ND		ug/kg	1400	78.	1
1,4-Dioxane	ND		ug/kg	7300	1300	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-05	Date Collected:	02/25/14 13:30
Client ID:	SB-22_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1400	20.	1
p-Diethylbenzene	51	J	ug/kg	290	12.	1
p-Ethyltoluene	56	J	ug/kg	290	8.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	290	9.5	1
Ethyl ether	ND		ug/kg	360	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	360	33.	1
Methyl cyclohexane	ND		ug/kg	290	92.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-06	Date Collected:	02/25/14 13:40
Client ID:	SB-22_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/27/14 09:59		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	680	140	1
1,1-Dichloroethane	ND		ug/kg	100	12.	1
Chloroform	ND		ug/kg	100	25.	1
Carbon tetrachloride	ND		ug/kg	68	14.	1
1,2-Dichloropropane	ND		ug/kg	240	16.	1
Dibromochloromethane	ND		ug/kg	68	21.	1
1,1,2-Trichloroethane	ND		ug/kg	100	21.	1
Tetrachloroethene	ND		ug/kg	68	9.5	1
Chlorobenzene	ND		ug/kg	68	24.	1
Trichlorofluoromethane	ND		ug/kg	340	8.3	1
1,2-Dichloroethane	ND		ug/kg	68	10.	1
1,1,1-Trichloroethane	ND		ug/kg	68	7.5	1
Bromodichloromethane	ND		ug/kg	68	16.	1
trans-1,3-Dichloropropene	ND		ug/kg	68	8.2	1
cis-1,3-Dichloropropene	ND		ug/kg	68	8.6	1
1,1-Dichloropropene	ND		ug/kg	340	31.	1
Bromoform	ND		ug/kg	270	28.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	68	12.	1
Benzene	ND		ug/kg	68	8.0	1
Toluene	ND		ug/kg	100	7.6	1
Ethylbenzene	ND		ug/kg	68	10.	1
Chloromethane	ND		ug/kg	340	53.	1
Bromomethane	ND		ug/kg	140	23.	1
Vinyl chloride	ND		ug/kg	140	9.6	1
Chloroethane	ND		ug/kg	140	22.	1
1,1-Dichloroethene	ND		ug/kg	68	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	14.	1
Trichloroethene	670		ug/kg	68	10.	1
1,2-Dichlorobenzene	ND		ug/kg	340	12.	1
1,3-Dichlorobenzene	ND		ug/kg	340	12.	1
1,4-Dichlorobenzene	ND		ug/kg	340	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-06 Date Collected: 02/25/14 13:40

Client ID: SB-22_3.5-5.5 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	140	7.1	1
p/m-Xylene	ND		ug/kg	140	22.	1
o-Xylene	ND		ug/kg	140	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	68	10.	1
Dibromomethane	ND		ug/kg	680	11.	1
Styrene	ND		ug/kg	140	21.	1
Dichlorodifluoromethane	ND		ug/kg	680	15.	1
Acetone	ND		ug/kg	680	210	1
Carbon disulfide	ND		ug/kg	680	140	1
2-Butanone	ND		ug/kg	680	24.	1
Vinyl acetate	ND		ug/kg	680	33.	1
4-Methyl-2-pentanone	ND		ug/kg	680	17.	1
1,2,3-Trichloropropane	ND		ug/kg	680	15.	1
2-Hexanone	ND		ug/kg	680	13.	1
Bromochloromethane	ND		ug/kg	340	13.	1
2,2-Dichloropropane	ND		ug/kg	340	15.	1
1,2-Dibromoethane	ND		ug/kg	270	12.	1
1,3-Dichloropropane	ND		ug/kg	340	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	68	22.	1
Bromobenzene	ND		ug/kg	340	14.	1
n-Butylbenzene	ND		ug/kg	68	13.	1
sec-Butylbenzene	ND		ug/kg	68	14.	1
tert-Butylbenzene	ND		ug/kg	340	38.	1
o-Chlorotoluene	ND		ug/kg	340	11.	1
p-Chlorotoluene	ND		ug/kg	340	10.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	340	54.	1
Hexachlorobutadiene	ND		ug/kg	340	29.	1
Isopropylbenzene	ND		ug/kg	68	11.	1
p-Isopropyltoluene	ND		ug/kg	68	13.	1
Naphthalene	1500		ug/kg	340	52.	1
Acrylonitrile	ND		ug/kg	680	16.	1
n-Propylbenzene	ND		ug/kg	68	8.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	340	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	54.	1
1,3,5-Trimethylbenzene	ND		ug/kg	340	9.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	340	39.	1
Methyl Acetate	ND		ug/kg	1400	52.	1
Cyclohexane	ND		ug/kg	1400	73.	1
1,4-Dioxane	ND		ug/kg	6800	1200	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-06	Date Collected:	02/25/14 13:40
Client ID:	SB-22_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1400	18.	1
p-Diethylbenzene	ND		ug/kg	270	11.	1
p-Ethyltoluene	ND		ug/kg	270	8.0	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	270	8.9	1
Ethyl ether	ND		ug/kg	340	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	340	30.	1
Methyl cyclohexane	ND		ug/kg	270	86.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-07	Date Collected:	02/25/14 13:50
Client ID:	SB-22_6-8	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/27/14 16:08		
Analyst:	BN		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.3	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.83	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	0.84	J	ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-07 Date Collected: 02/25/14 13:50

Client ID: SB-22_6-8 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	3.7	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	2.7	J	ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1
Methyl Acetate	ND		ug/kg	21	0.81	1
Cyclohexane	ND		ug/kg	21	1.1	1
1,4-Dioxane	ND		ug/kg	110	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-07	Date Collected:	02/25/14 13:50
Client ID:	SB-22_6-8	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1
Methyl cyclohexane	ND		ug/kg	4.3	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-08	Date Collected:	02/25/14 16:45
Client ID:	SOFB01_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	02/28/14 12:59		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-08 Date Collected: 02/25/14 16:45

Client ID: SOFB01_022514 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-08	Date Collected:	02/25/14 16:45
Client ID:	SOFB01_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-09	Date Collected:	02/25/14 00:00
Client ID:	SOTB02_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	02/28/14 13:34		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-09 Date Collected: 02/25/14 00:00

Client ID: SOTB02_022514 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-09	Date Collected:	02/25/14 00:00
Client ID:	SOTB02_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/27/14 08:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06 Batch: WG672670-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/27/14 08:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06 Batch: WG672670-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/27/14 08:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06 Batch: WG672670-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	11	J	ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/27/14 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,07 Batch: WG672886-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/27/14 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,07 Batch: WG672886-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/27/14 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,07 Batch: WG672886-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/14 10:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG672968-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/14 10:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG672968-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/14 10:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG672968-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG672670-1 WG672670-2								
Methylene chloride	98		98		70-130	0		30
1,1-Dichloroethane	106		106		70-130	0		30
Chloroform	111		111		70-130	0		30
Carbon tetrachloride	125		122		70-130	2		30
1,2-Dichloropropane	101		101		70-130	0		30
Dibromochloromethane	95		94		70-130	1		30
1,1,2-Trichloroethane	89		87		70-130	2		30
Tetrachloroethene	102		101		70-130	1		30
Chlorobenzene	91		91		70-130	0		30
Trichlorofluoromethane	139		134		70-139	4		30
1,2-Dichloroethane	109		109		70-130	0		30
1,1,1-Trichloroethane	120		117		70-130	3		30
Bromodichloromethane	112		113		70-130	1		30
trans-1,3-Dichloropropene	92		91		70-130	1		30
cis-1,3-Dichloropropene	108		106		70-130	2		30
1,1-Dichloropropene	112		108		70-130	4		30
Bromoform	86		88		70-130	2		30
1,1,2,2-Tetrachloroethane	75		75		70-130	0		30
Benzene	103		102		70-130	1		30
Toluene	92		90		70-130	2		30
Ethylbenzene	94		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG672670-1 WG672670-2								
Chloromethane	100		93		52-130	7		30
Bromomethane	115		112		57-147	3		30
Vinyl chloride	110		106		67-130	4		30
Chloroethane	118		114		50-151	3		30
1,1-Dichloroethene	108		106		65-135	2		30
trans-1,2-Dichloroethene	108		107		70-130	1		30
Trichloroethene	111		109		70-130	2		30
1,2-Dichlorobenzene	88		87		70-130	1		30
1,3-Dichlorobenzene	89		88		70-130	1		30
1,4-Dichlorobenzene	90		88		70-130	2		30
Methyl tert butyl ether	104		104		66-130	0		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	106		104		70-130	2		30
Dibromomethane	103		103		70-130	0		30
Styrene	95		93		70-130	2		30
Dichlorodifluoromethane	107		102		30-146	5		30
Acetone	111		106		54-140	5		30
Carbon disulfide	101		99		59-130	2		30
2-Butanone	89		83		70-130	7		30
Vinyl acetate	98		96		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG672670-1 WG672670-2								
4-Methyl-2-pentanone	94		94		70-130	0		30
1,2,3-Trichloropropane	78		77		68-130	1		30
2-Hexanone	78		76		70-130	3		30
Bromochloromethane	108		106		70-130	2		30
2,2-Dichloropropane	118		116		70-130	2		30
1,2-Dibromoethane	91		90		70-130	1		30
1,3-Dichloropropane	88		87		69-130	1		30
1,1,1,2-Tetrachloroethane	97		96		70-130	1		30
Bromobenzene	88		88		70-130	0		30
n-Butylbenzene	92		89		70-130	3		30
sec-Butylbenzene	90		88		70-130	2		30
tert-Butylbenzene	90		88		70-130	2		30
o-Chlorotoluene	86		86		70-130	0		30
p-Chlorotoluene	89		88		70-130	1		30
1,2-Dibromo-3-chloropropane	79		80		68-130	1		30
Hexachlorobutadiene	98		100		67-130	2		30
Isopropylbenzene	98		95		70-130	3		30
p-Isopropyltoluene	92		90		70-130	2		30
Naphthalene	78		79		70-130	1		30
Acrylonitrile	96		94		70-130	2		30
Isopropyl Ether	100		100		66-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG672670-1 WG672670-2								
tert-Butyl Alcohol	95		91		70-130	4		30
n-Propylbenzene	87		86		70-130	1		30
1,2,3-Trichlorobenzene	87		90		70-130	3		30
1,2,4-Trichlorobenzene	91		92		70-130	1		30
1,3,5-Trimethylbenzene	89		88		70-130	1		30
1,2,4-Trimethylbenzene	90		89		70-130	1		30
Methyl Acetate	88		88		51-146	0		30
Ethyl Acetate	94		86		70-130	9		30
Acrolein	93		93		70-130	0		30
Cyclohexane	116		113		59-142	3		30
1,4-Dioxane	99		95		65-136	4		30
Freon-113	120		117		50-139	3		30
p-Diethylbenzene	123		115		70-130	7		30
p-Ethyltoluene	120		114		70-130	5		30
1,2,4,5-Tetramethylbenzene	121		117		70-130	3		30
Tetrahydrofuran	94		94		66-130	0		30
Ethyl ether	110		106		67-130	4		30
trans-1,4-Dichloro-2-butene	80		81		70-130	1		30
Methyl cyclohexane	117		113		70-130	3		30
Ethyl-Tert-Butyl-Ether	106		106		70-130	0		30
Tertiary-Amyl Methyl Ether	106		107		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG672670-1 WG672670-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		105		70-130
Toluene-d8	90		92		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	108		108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 Batch: WG672886-1 WG672886-2								
Methylene chloride	95		95		70-130	0		30
1,1-Dichloroethane	99		100		70-130	1		30
Chloroform	95		92		70-130	3		30
Carbon tetrachloride	102		97		70-130	5		30
1,2-Dichloropropane	95		97		70-130	2		30
Dibromochloromethane	87		93		70-130	7		30
1,1,2-Trichloroethane	86		92		70-130	7		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	111		108		70-139	3		30
1,2-Dichloroethane	88		87		70-130	1		30
1,1,1-Trichloroethane	97		93		70-130	4		30
Bromodichloromethane	92		98		70-130	6		30
trans-1,3-Dichloropropene	89		91		70-130	2		30
cis-1,3-Dichloropropene	97		99		70-130	2		30
1,1-Dichloropropene	101		93		70-130	8		30
Bromoform	94		86		70-130	9		30
1,1,2,2-Tetrachloroethane	88		87		70-130	1		30
Benzene	97		93		70-130	4		30
Toluene	87		90		70-130	3		30
Ethylbenzene	95		90		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 Batch: WG672886-1 WG672886-2								
Chloromethane	94		84		52-130	11		30
Bromomethane	102		96		57-147	6		30
Vinyl chloride	103		95		67-130	8		30
Chloroethane	100		96		50-151	4		30
1,1-Dichloroethene	102		100		65-135	2		30
trans-1,2-Dichloroethene	102		98		70-130	4		30
Trichloroethene	97		92		70-130	5		30
1,2-Dichlorobenzene	92		94		70-130	2		30
1,3-Dichlorobenzene	97		92		70-130	5		30
1,4-Dichlorobenzene	94		91		70-130	3		30
Methyl tert butyl ether	95		100		66-130	5		30
p/m-Xylene	97		92		70-130	5		30
o-Xylene	98		92		70-130	6		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Dibromomethane	92		96		70-130	4		30
Styrene	96		91		70-130	5		30
Dichlorodifluoromethane	93		84		30-146	10		30
Acetone	103		105		54-140	2		30
Carbon disulfide	94		93		59-130	1		30
2-Butanone	90		93		70-130	3		30
Vinyl acetate	89		96		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 Batch: WG672886-1 WG672886-2								
4-Methyl-2-pentanone	88		97		70-130	10		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	85		92		70-130	8		30
Bromochloromethane	98		100		70-130	2		30
2,2-Dichloropropane	97		93		70-130	4		30
1,2-Dibromoethane	86		94		70-130	9		30
1,3-Dichloropropane	86		92		69-130	7		30
1,1,1,2-Tetrachloroethane	92		92		70-130	0		30
Bromobenzene	96		89		70-130	8		30
n-Butylbenzene	100		95		70-130	5		30
sec-Butylbenzene	100		91		70-130	9		30
tert-Butylbenzene	98		89		70-130	10		30
o-Chlorotoluene	95		86		70-130	10		30
p-Chlorotoluene	98		89		70-130	10		30
1,2-Dibromo-3-chloropropane	82		90		68-130	9		30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	104		87		70-130	18		30
p-Isopropyltoluene	99		92		70-130	7		30
Naphthalene	86		91		70-130	6		30
Acrylonitrile	90		99		70-130	10		30
Isopropyl Ether	98		100		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 Batch: WG672886-1 WG672886-2								
tert-Butyl Alcohol	84		98		70-130	15		30
n-Propylbenzene	99		89		70-130	11		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	94		95		70-130	1		30
1,3,5-Trimethylbenzene	99		88		70-130	12		30
1,2,4-Trimethylbenzene	96		91		70-130	5		30
Methyl Acetate	89		96		51-146	8		30
Ethyl Acetate	85		92		70-130	8		30
Acrolein	90		96		70-130	6		30
Cyclohexane	109		103		59-142	6		30
1,4-Dioxane	86		93		65-136	8		30
Freon-113	114		111		50-139	3		30
p-Diethylbenzene	99		95		70-130	4		30
p-Ethyltoluene	99		89		70-130	11		30
1,2,4,5-Tetramethylbenzene	95		97		70-130	2		30
Tetrahydrofuran	95		102		66-130	7		30
Ethyl ether	95		95		67-130	0		30
trans-1,4-Dichloro-2-butene	93		91		70-130	2		30
Methyl cyclohexane	113		106		70-130	6		30
Ethyl-Tert-Butyl-Ether	93		96		70-130	3		30
Tertiary-Amyl Methyl Ether	91		94		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 Batch: WG672886-1 WG672886-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	91		97		70-130
4-Bromofluorobenzene	103		94		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG672968-1 WG672968-2								
Methylene chloride	120		98		70-130	20		20
1,1-Dichloroethane	112		93		70-130	19		20
Chloroform	116		97		70-130	18		20
2-Chloroethylvinyl ether	88		73		70-130	19		20
Carbon tetrachloride	100		83		63-132	19		20
1,2-Dichloropropane	110		92		70-130	18		20
Dibromochloromethane	112		92		63-130	20		20
1,1,2-Trichloroethane	114		96		70-130	17		20
Tetrachloroethene	117		100		70-130	16		20
Chlorobenzene	112		94		75-130	17		20
Trichlorofluoromethane	117		93		62-150	**23**	Q	20
1,2-Dichloroethane	114		95		70-130	18		20
1,1,1-Trichloroethane	105		90		67-130	15		20
Bromodichloromethane	116		96		67-130	19		20
trans-1,3-Dichloropropene	97		80		70-130	19		20
cis-1,3-Dichloropropene	102		84		70-130	19		20
1,1-Dichloropropene	109		92		70-130	17		20
Bromoform	98		84		54-136	15		20
1,1,2,2-Tetrachloroethane	103		90		67-130	13		20
Benzene	112		94		70-130	17		20
Toluene	113		94		70-130	18		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG672968-1 WG672968-2								
Ethylbenzene	113		94		70-130	18		20
Chloromethane	83		72		64-130	14		20
Bromomethane	90		83		39-139	8		20
Vinyl chloride	100		81		55-140	**21**	Q	20
Chloroethane	113		89		55-138	**24**	Q	20
1,1-Dichloroethene	115		93		61-145	**21**	Q	20
trans-1,2-Dichloroethene	117		97		70-130	19		20
Trichloroethene	111		94		70-130	17		20
1,2-Dichlorobenzene	110		95		70-130	15		20
1,3-Dichlorobenzene	111		94		70-130	17		20
1,4-Dichlorobenzene	111		96		70-130	14		20
Methyl tert butyl ether	95		81		63-130	16		20
p/m-Xylene	112		94		70-130	17		20
o-Xylene	114		94		70-130	19		20
cis-1,2-Dichloroethene	111		96		70-130	14		20
Dibromomethane	112		95		70-130	16		20
1,2,3-Trichloropropane	103		90		64-130	13		20
Acrylonitrile	102		91		70-130	11		20
Isopropyl Ether	102		84		70-130	19		20
tert-Butyl Alcohol	74		**69**	Q	70-130	7		20
Styrene	112		93		70-130	19		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG672968-1 WG672968-2								
Dichlorodifluoromethane	86		71		36-147	19		20
Acetone	120		94		58-148	**24**	Q	20
Carbon disulfide	117		91		51-130	**25**	Q	20
2-Butanone	125		113		63-138	10		20
Vinyl acetate	88		77		70-130	13		20
4-Methyl-2-pentanone	97		83		59-130	16		20
2-Hexanone	92		79		57-130	15		20
Bromochloromethane	118		100		70-130	17		20
2,2-Dichloropropane	90		72		63-133	**22**	Q	20
1,2-Dibromoethane	112		94		70-130	17		20
1,3-Dichloropropane	111		92		70-130	19		20
1,1,1,2-Tetrachloroethane	107		86		64-130	**22**	Q	20
Bromobenzene	110		97		70-130	13		20
n-Butylbenzene	117		94		53-136	**22**	Q	20
sec-Butylbenzene	113		95		70-130	17		20
tert-Butylbenzene	112		95		70-130	16		20
o-Chlorotoluene	109		93		70-130	16		20
p-Chlorotoluene	109		94		70-130	15		20
1,2-Dibromo-3-chloropropane	92		77		41-144	18		20
Hexachlorobutadiene	124		100		63-130	**21**	Q	20
Isopropylbenzene	114		94		70-130	19		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG672968-1 WG672968-2								
p-Isopropyltoluene	116		95		70-130	20		20
Naphthalene	101		86		70-130	16		20
n-Propylbenzene	109		93		69-130	16		20
1,2,3-Trichlorobenzene	113		96		70-130	16		20
1,2,4-Trichlorobenzene	113		96		70-130	16		20
1,3,5-Trimethylbenzene	111		95		64-130	16		20
1,2,4-Trimethylbenzene	110		94		70-130	16		20
Methyl Acetate	86		77		70-130	11		20
Ethyl Acetate	102		84		70-130	19		20
Cyclohexane	105		88		70-130	18		20
Ethyl-Tert-Butyl-Ether	89		76		70-130	16		20
Tertiary-Amyl Methyl Ether	86		73		66-130	16		20
1,4-Dioxane	122		90		56-162	**30**	Q	20
Freon-113	117		98		70-130	18		20
p-Diethylbenzene	112		92		70-130	20		20
p-Ethyltoluene	112		95		70-130	16		20
1,2,4,5-Tetramethylbenzene	115		95		70-130	19		20
Ethyl ether	115		92		59-134	**22**	Q	20
trans-1,4-Dichloro-2-butene	89		74		70-130	18		20
Iodomethane	82		76		70-130	8		20
Methyl cyclohexane	117		92		70-130	**24**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG672968-1 WG672968-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	94		98		70-130
Dibromofluoromethane	99		102		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 QC Batch ID: WG672886-4 WG672886-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Methylene chloride	ND	27.1	24	89		20	83		70-130	20		30
1,1-Dichloroethane	ND	27.1	24	87		19	79		70-130	22		30
Chloroform	ND	27.1	23	84		18	76		70-130	23		30
Carbon tetrachloride	ND	27.1	25	91		19	78		70-130	29		30
1,2-Dichloropropane	ND	27.1	24	88		19	80		70-130	23		30
Dibromochloromethane	ND	27.1	22	81		17	72		70-130	24		30
2-Chloroethylvinyl ether	ND	27.1	21J	77		17.J	72		70-130	19		30
1,1,2-Trichloroethane	ND	27.1	22	83		18	74		70-130	23		30
Tetrachloroethene	ND	27.1	20	75		16	**65**	Q	70-130	26		30
Chlorobenzene	ND	27.1	19	72		15	**63**	Q	70-130	26		30
Trichlorofluoromethane	ND	27.1	28	103		23	95		70-139	21		30
1,2-Dichloroethane	ND	27.1	20	75		18	73		70-130	15		30
1,1,1-Trichloroethane	ND	27.1	25	93		19	78		70-130	30		30
Bromodichloromethane	ND	27.1	24	87		18	77		70-130	24		30
trans-1,3-Dichloropropene	ND	27.1	19	**69**	Q	15	**64**	Q	70-130	21		30
cis-1,3-Dichloropropene	ND	27.1	22	81		17	70		70-130	26		30
1,1-Dichloropropene	ND	27.1	22	81		17	71		70-130	25		30
Bromoform	ND	27.1	20	74		16	**68**	Q	70-130	22		30
1,1,2,2-Tetrachloroethane	ND	27.1	21	78		17	72		70-130	21		30
Benzene	ND	27.1	23	86		18	76		70-130	24		30
Toluene	ND	27.1	21	77		16	**67**	Q	70-130	25		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 QC Batch ID: WG672886-4 WG672886-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Ethylbenzene	ND	27.1	20	74		15	**64**	Q	70-130	27		30
Chloromethane	ND	27.1	21	78		17	72		52-130	21		30
Bromomethane	ND	27.1	25	92		19	80		57-147	28		30
Vinyl chloride	ND	27.1	23	83		19	81		67-130	16		30
Chloroethane	ND	27.1	29	105		23	97		50-151	21		30
1,1-Dichloroethene	ND	27.1	23	84		19	80		65-135	18		30
trans-1,2-Dichloroethene	ND	27.1	21	77		17	72		70-130	20		30
Trichloroethene	0.84J	27.1	22	81		19	80		70-130	14		30
1,2-Dichlorobenzene	ND	27.1	18	**64**	Q	13	**53**	Q	70-130	**32**	Q	30
1,3-Dichlorobenzene	ND	27.1	17	**61**	Q	12	**52**	Q	70-130	28		30
1,4-Dichlorobenzene	ND	27.1	16	**59**	Q	12	**51**	Q	70-130	28		30
Methyl tert butyl ether	ND	27.1	24	88		20	82		66-130	20		30
p/m-Xylene	ND	54.2	41	75		31	**64**	Q	70-130	28		30
o-Xylene	ND	54.2	42	77		31	**65**	Q	70-130	29		30
cis-1,2-Dichloroethene	ND	27.1	21	79		18	73		70-130	20		30
Dibromomethane	ND	27.1	22	82		18	74		70-130	22		30
Styrene	ND	54.2	37	**69**	Q	28	**59**	Q	70-130	28		30
Dichlorodifluoromethane	ND	27.1	20	74		17	72		30-146	17		30
Acetone	3.7J	27.1	30	110		25	103		54-140	19		30
Carbon disulfide	ND	27.1	19	69		15	64		59-130	20		30
2-Butanone	ND	27.1	31	113		23	96		70-130	29		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 QC Batch ID: WG672886-4 WG672886-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Vinyl acetate	ND	27.1	18	**66**	Q	13	**54**	Q	70-130	**34**	Q	30
4-Methyl-2-pentanone	ND	27.1	25	91		20	83		70-130	22		30
1,2,3-Trichloropropane	ND	27.1	22	80		18	74		68-130	21		30
2-Hexanone	ND	27.1	22	80		18	75		70-130	20		30
Bromochloromethane	ND	27.1	23	84		19	79		70-130	19		30
2,2-Dichloropropane	ND	27.1	23	85		18	75		70-130	25		30
1,2-Dibromoethane	ND	27.1	20	75		16	**67**	Q	70-130	25		30
1,3-Dichloropropane	ND	27.1	22	80		17	71		69-130	25		30
1,1,1,2-Tetrachloroethane	ND	27.1	22	82		17	71		70-130	27		30
Bromobenzene	ND	27.1	18	**66**	Q	14	**60**	Q	70-130	22		30
n-Butylbenzene	ND	27.1	16	**59**	Q	11	**45**	Q	70-130	**38**	Q	30
sec-Butylbenzene	ND	27.1	18	**65**	Q	13	**54**	Q	70-130	30		30
tert-Butylbenzene	ND	27.1	19	**69**	Q	14	**58**	Q	70-130	**31**	Q	30
o-Chlorotoluene	ND	27.1	18	**67**	Q	16	**66**	Q	70-130	14		30
p-Chlorotoluene	ND	27.1	17	**64**	Q	13	**56**	Q	70-130	26		30
1,2-Dibromo-3-chloropropane	ND	27.1	19	71		15	**64**	Q	68-130	23		30
Hexachlorobutadiene	ND	27.1	12	**45**	Q	7.4	**31**	Q	67-130	**49**	Q	30
Isopropylbenzene	ND	27.1	20	73		15	**63**	Q	70-130	27		30
p-Isopropyltoluene	ND	27.1	18	**65**	Q	13	**54**	Q	70-130	**32**	Q	30
Naphthalene	2.7J	27.1	14	**53**	Q	18	75		70-130	22		30
Acrylonitrile	ND	27.1	23	85		18	77		70-130	23		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 QC Batch ID: WG672886-4 WG672886-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Isopropyl Ether	ND	27.1	23	84		18	77		66-130	22		30
tert-Butyl Alcohol	ND	136	120	88		94	79			24		30
n-Propylbenzene	ND	27.1	19	**68**	Q	14	**60**	Q	70-130	26		30
1,2,3-Trichlorobenzene	ND	27.1	13	**49**	Q	8.8	**37**	Q	70-130	**41**	Q	30
1,2,4-Trichlorobenzene	ND	27.1	13	**48**	Q	8.7	**36**	Q	70-130	**40**	Q	30
1,3,5-Trimethylbenzene	ND	27.1	19	71		15	**61**	Q	70-130	28		30
1,2,4-Trimethylbenzene	ND	27.1	18	**67**	Q	14	**57**	Q	70-130	29		30
Methyl Acetate	ND	27.1	25J	91		21.J	86		51-146	18		30
Ethyl Acetate	ND	27.1	23J	83		18.J	75			24		30
Acrolein	ND	27.1	27J	100		22.J	91			22		30
Cyclohexane	ND	27.1	24J	90		18.J	77		59-142	28		30
1,4-Dioxane	ND	1360	1200	86		930	78		65-136	22		30
Freon-113	ND	27.1	26J	96		20.J	86		50-139	25		30
p-Diethylbenzene	ND	27.1	17	**61**	Q	12	**50**	Q	70-130	**33**	Q	30
p-Ethyltoluene	ND	27.1	18	**68**	Q	14	**59**	Q	70-130	26		30
1,2,4,5-Tetramethylbenzene	ND	27.1	16	**59**	Q	11	**47**	Q	70-130	**34**	Q	30
Tetrahydrofuran	ND	27.1	21J	78		17.J	71		66-130	22		30
Ethyl ether	ND	27.1	26	95		21	89		67-130	19		30
trans-1,4-Dichloro-2-butene	ND	27.1	19	**69**	Q	15	**64**	Q	70-130	19		30
Methyl cyclohexane	ND	27.1	23	84		17	**69**	Q	70-130	**32**	Q	30
Ethyl-Tert-Butyl-Ether	ND	27.1	23	85		18	77		70-130	23		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,07 QC Batch ID: WG672886-4 WG672886-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Tertiary-Amyl Methyl Ether	ND	27.1	23	84		19	78		70-130	21		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
4-Bromofluorobenzene	97		100		70-130
Dibromofluoromethane	104		102		70-130
Toluene-d8	99		96		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-01	Date Collected:	02/25/14 08:45
Client ID:	SB-18_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 00:29
Analytical Date:	03/01/14 18:14		
Analyst:	JB		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	290	76.	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	120	2
Hexachlorobenzene	ND		ug/kg	220	69.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	100	2
2-Chloronaphthalene	ND		ug/kg	370	120	2
1,2-Dichlorobenzene	ND		ug/kg	370	120	2
1,3-Dichlorobenzene	ND		ug/kg	370	120	2
1,4-Dichlorobenzene	ND		ug/kg	370	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	98.	2
2,4-Dinitrotoluene	ND		ug/kg	370	79.	2
2,6-Dinitrotoluene	ND		ug/kg	370	94.	2
Fluoranthene	170	J	ug/kg	220	68.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	85.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	110	2
Hexachlorobutadiene	ND		ug/kg	370	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	240	2
Hexachloroethane	ND		ug/kg	290	67.	2
Isophorone	ND		ug/kg	330	98.	2
Naphthalene	ND		ug/kg	370	120	2
Nitrobenzene	ND		ug/kg	330	88.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	77.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	370	96.	2
Butyl benzyl phthalate	ND		ug/kg	370	72.	2
Di-n-butylphthalate	ND		ug/kg	370	71.	2
Di-n-octylphthalate	ND		ug/kg	370	90.	2
Diethyl phthalate	ND		ug/kg	370	78.	2
Dimethyl phthalate	ND		ug/kg	370	94.	2
Benzo(a)anthracene	130	J	ug/kg	220	72.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-01 Date Collected: 02/25/14 08:45

Client ID: SB-18_0-2 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	170	J	ug/kg	290	90.	2
Benzo(b)fluoranthene	210	J	ug/kg	220	74.	2
Benzo(k)fluoranthene	76	J	ug/kg	220	70.	2
Chrysene	170	J	ug/kg	220	72.	2
Acenaphthylene	ND		ug/kg	290	69.	2
Anthracene	ND		ug/kg	220	61.	2
Benzo(ghi)perylene	190	J	ug/kg	290	76.	2
Fluorene	ND		ug/kg	370	100	2
Phenanthrene	86	J	ug/kg	220	72.	2
Dibenzo(a,h)anthracene	ND		ug/kg	220	71.	2
Indeno(1,2,3-cd)Pyrene	150	J	ug/kg	290	82.	2
Pyrene	160	J	ug/kg	220	72.	2
Biphenyl	ND		ug/kg	840	120	2
4-Chloroaniline	ND		ug/kg	370	97.	2
2-Nitroaniline	ND		ug/kg	370	100	2
3-Nitroaniline	ND		ug/kg	370	100	2
4-Nitroaniline	ND		ug/kg	370	99.	2
Dibenzofuran	ND		ug/kg	370	120	2
2-Methylnaphthalene	ND		ug/kg	440	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	110	2
Acetophenone	ND		ug/kg	370	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	69.	2
P-Chloro-M-Cresol	ND		ug/kg	370	110	2
2-Chlorophenol	ND		ug/kg	370	110	2
2,4-Dichlorophenol	ND		ug/kg	330	120	2
2,4-Dimethylphenol	ND		ug/kg	370	110	2
2-Nitrophenol	ND		ug/kg	800	110	2
4-Nitrophenol	ND		ug/kg	520	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	500	2
4,6-Dinitro-o-cresol	ND		ug/kg	960	130	2
Pentachlorophenol	ND		ug/kg	290	79.	2
Phenol	ND		ug/kg	370	110	2
2-Methylphenol	ND		ug/kg	370	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	120	2
2,4,5-Trichlorophenol	ND		ug/kg	370	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	370	110	2
Carbazole	ND		ug/kg	370	79.	2
Benzaldehyde	ND		ug/kg	490	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-01	Date Collected:	02/25/14 08:45
Client ID:	SB-18_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	370	100	2
Atrazine	ND		ug/kg	290	83.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	370	63.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	12		0-136
4-Terphenyl-d14	58		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-02	Date Collected:	02/25/14 08:55
Client ID:	SB-18_8-10	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 00:29
Analytical Date:	03/01/14 18:41		
Analyst:	JB		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	290		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	130		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-02 Date Collected: 02/25/14 08:55

Client ID: SB-18_8-10 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	120	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	130		ug/kg	120	40.	1
Benzo(k)fluoranthene	54	J	ug/kg	120	38.	1
Chrysene	150		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	47	J	ug/kg	120	33.	1
Benzo(ghi)perylene	71	J	ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	220		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	72	J	ug/kg	160	44.	1
Pyrene	240		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-02	Date Collected:	02/25/14 08:55
Client ID:	SB-18_8-10	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	58		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-03	Date Collected:	02/25/14 10:35
Client ID:	SB-21_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 00:29
Analytical Date:	03/01/14 19:09		
Analyst:	JB		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	280	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	95.	2
2,4-Dinitrotoluene	ND		ug/kg	360	77.	2
2,6-Dinitrotoluene	ND		ug/kg	360	91.	2
Fluoranthene	1300		ug/kg	210	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	82.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	65.	2
Isophorone	ND		ug/kg	320	95.	2
Naphthalene	ND		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	85.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	75.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	750		ug/kg	210	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-03 Date Collected: 02/25/14 10:35

Client ID: SB-21_0-2 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	880		ug/kg	280	87.	2
Benzo(b)fluoranthene	970		ug/kg	210	72.	2
Benzo(k)fluoranthene	470		ug/kg	210	68.	2
Chrysene	840		ug/kg	210	70.	2
Acenaphthylene	140	J	ug/kg	280	67.	2
Anthracene	220		ug/kg	210	59.	2
Benzo(ghi)perylene	740		ug/kg	280	74.	2
Fluorene	ND		ug/kg	360	100	2
Phenanthrene	690		ug/kg	210	70.	2
Dibenzo(a,h)anthracene	140	J	ug/kg	210	69.	2
Indeno(1,2,3-cd)Pyrene	720		ug/kg	280	79.	2
Pyrene	1200		ug/kg	210	69.	2
Biphenyl	ND		ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	360	94.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	96.	2
Dibenzofuran	ND		ug/kg	360	120	2
2-Methylnaphthalene	ND		ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	770	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	930	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	360	100	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	140	J	ug/kg	360	77.	2
Benzaldehyde	ND		ug/kg	470	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-03	Date Collected:	02/25/14 10:35
Client ID:	SB-21_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	280	81.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	74		0-136
4-Terphenyl-d14	59		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-04	Date Collected:	02/25/14 10:45
Client ID:	SB-21_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 00:29
Analytical Date:	03/01/14 19:37		
Analyst:	JB		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	48.	1
Fluoranthene	220		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	49.	1
Butyl benzyl phthalate	36	J	ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1
Benzo(a)anthracene	120		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-04 Date Collected: 02/25/14 10:45

Client ID: SB-21_3.5-5.5 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	140	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	160		ug/kg	110	37.	1
Benzo(k)fluoranthene	50	J	ug/kg	110	35.	1
Chrysene	130		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	38	J	ug/kg	110	31.	1
Benzo(ghi)perylene	120	J	ug/kg	150	39.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	150		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	110	J	ug/kg	150	41.	1
Pyrene	190		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	58.	1
Acetophenone	ND		ug/kg	180	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1
Benzaldehyde	ND		ug/kg	240	75.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-04	Date Collected:	02/25/14 10:45
Client ID:	SB-21_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	51.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	57		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-05	Date Collected:	02/25/14 13:30
Client ID:	SB-22_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 00:29
Analytical Date:	03/01/14 20:04		
Analyst:	JB		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	9000		ug/kg	280	73.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	99.	2
2-Chloronaphthalene	ND		ug/kg	350	120	2
1,2-Dichlorobenzene	ND		ug/kg	350	120	2
1,3-Dichlorobenzene	ND		ug/kg	350	110	2
1,4-Dichlorobenzene	ND		ug/kg	350	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	76.	2
2,6-Dinitrotoluene	ND		ug/kg	350	91.	2
Fluoranthene	51000	E	ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	82.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	350	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	64.	2
Isophorone	ND		ug/kg	320	94.	2
Naphthalene	6800		ug/kg	350	120	2
Nitrobenzene	ND		ug/kg	320	84.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	74.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	100	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	350	93.	2
Butyl benzyl phthalate	ND		ug/kg	350	69.	2
Di-n-butylphthalate	ND		ug/kg	350	68.	2
Di-n-octylphthalate	ND		ug/kg	350	87.	2
Diethyl phthalate	ND		ug/kg	350	75.	2
Dimethyl phthalate	ND		ug/kg	350	90.	2
Benzo(a)anthracene	24000	E	ug/kg	210	69.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-05 Date Collected: 02/25/14 13:30

Client ID: SB-22_0-2 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	19000	E	ug/kg	280	87.	2
Benzo(b)fluoranthene	26000	E	ug/kg	210	72.	2
Benzo(k)fluoranthene	6100		ug/kg	210	68.	2
Chrysene	22000	E	ug/kg	210	70.	2
Acenaphthylene	ND		ug/kg	280	66.	2
Anthracene	19000	E	ug/kg	210	59.	2
Benzo(ghi)perylene	11000		ug/kg	280	74.	2
Fluorene	12000		ug/kg	350	100	2
Phenanthrene	65000	E	ug/kg	210	69.	2
Dibenzo(a,h)anthracene	3000		ug/kg	210	69.	2
Indeno(1,2,3-cd)Pyrene	12000		ug/kg	280	79.	2
Pyrene	44000	E	ug/kg	210	69.	2
Biphenyl	980		ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	350	94.	2
2-Nitroaniline	ND		ug/kg	350	100	2
3-Nitroaniline	ND		ug/kg	350	98.	2
4-Nitroaniline	ND		ug/kg	350	96.	2
Dibenzofuran	8000		ug/kg	350	120	2
2-Methylnaphthalene	3400		ug/kg	420	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	110	2
Acetophenone	ND		ug/kg	350	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	350	100	2
2-Chlorophenol	ND		ug/kg	350	110	2
2,4-Dichlorophenol	ND		ug/kg	320	110	2
2,4-Dimethylphenol	ND		ug/kg	350	100	2
2-Nitrophenol	ND		ug/kg	760	110	2
4-Nitrophenol	ND		ug/kg	500	110	2
2,4-Dinitrophenol	ND		ug/kg	1700	480	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	350	110	2
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	9100		ug/kg	350	76.	2
Benzaldehyde	ND		ug/kg	470	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-05	Date Collected:	02/25/14 13:30
Client ID:	SB-22_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	350	98.	2
Atrazine	ND		ug/kg	280	80.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	60.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	64		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-05	D	Date Collected:	02/25/14 13:30
Client ID:	SB-22_0-2		Date Received:	02/25/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/27/14 00:29
Analytical Date:	03/04/14 13:36			
Analyst:	JB			
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	47000		ug/kg	2100	650	20
Benzo(a)anthracene	18000		ug/kg	2100	690	20
Benzo(a)pyrene	15000		ug/kg	2800	870	20
Benzo(b)fluoranthene	19000		ug/kg	2100	720	20
Chrysene	18000		ug/kg	2100	700	20
Anthracene	16000		ug/kg	2100	590	20
Phenanthrene	56000		ug/kg	2100	690	20
Pyrene	36000		ug/kg	2100	690	20

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-06	Date Collected:	02/25/14 13:40
Client ID:	SB-22_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 00:29
Analytical Date:	03/01/14 20:32		
Analyst:	JB		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2200		ug/kg	730	190	5
1,2,4-Trichlorobenzene	ND		ug/kg	910	300	5
Hexachlorobenzene	ND		ug/kg	540	170	5
Bis(2-chloroethyl)ether	ND		ug/kg	820	250	5
2-Chloronaphthalene	ND		ug/kg	910	300	5
1,2-Dichlorobenzene	ND		ug/kg	910	300	5
1,3-Dichlorobenzene	ND		ug/kg	910	290	5
1,4-Dichlorobenzene	ND		ug/kg	910	280	5
3,3'-Dichlorobenzidine	ND		ug/kg	910	240	5
2,4-Dinitrotoluene	ND		ug/kg	910	200	5
2,6-Dinitrotoluene	ND		ug/kg	910	230	5
Fluoranthene	33000		ug/kg	540	170	5
4-Chlorophenyl phenyl ether	ND		ug/kg	910	280	5
4-Bromophenyl phenyl ether	ND		ug/kg	910	210	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	320	5
Bis(2-chloroethoxy)methane	ND		ug/kg	980	280	5
Hexachlorobutadiene	ND		ug/kg	910	260	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	580	5
Hexachloroethane	ND		ug/kg	730	160	5
Isophorone	ND		ug/kg	820	240	5
Naphthalene	1700		ug/kg	910	300	5
Nitrobenzene	ND		ug/kg	820	220	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	730	190	5
n-Nitrosodi-n-propylamine	ND		ug/kg	910	270	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	910	240	5
Butyl benzyl phthalate	ND		ug/kg	910	180	5
Di-n-butylphthalate	ND		ug/kg	910	180	5
Di-n-octylphthalate	ND		ug/kg	910	220	5
Diethyl phthalate	ND		ug/kg	910	190	5
Dimethyl phthalate	ND		ug/kg	910	230	5
Benzo(a)anthracene	11000		ug/kg	540	180	5

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-06 Date Collected: 02/25/14 13:40

Client ID: SB-22_3.5-5.5 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	11000		ug/kg	730	220	5
Benzo(b)fluoranthene	13000		ug/kg	540	180	5
Benzo(k)fluoranthene	5000		ug/kg	540	170	5
Chrysene	12000		ug/kg	540	180	5
Acenaphthylene	1700		ug/kg	730	170	5
Anthracene	6300		ug/kg	540	150	5
Benzo(ghi)perylene	7300		ug/kg	730	190	5
Fluorene	2400		ug/kg	910	260	5
Phenanthrene	30000		ug/kg	540	180	5
Dibenzo(a,h)anthracene	1200		ug/kg	540	180	5
Indeno(1,2,3-cd)Pyrene	7400		ug/kg	730	200	5
Pyrene	28000		ug/kg	540	180	5
Biphenyl	340	J	ug/kg	2100	300	5
4-Chloroaniline	ND		ug/kg	910	240	5
2-Nitroaniline	ND		ug/kg	910	260	5
3-Nitroaniline	ND		ug/kg	910	250	5
4-Nitroaniline	ND		ug/kg	910	240	5
Dibenzofuran	1900		ug/kg	910	300	5
2-Methylnaphthalene	850	J	ug/kg	1100	290	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	910	280	5
Acetophenone	ND		ug/kg	910	280	5
2,4,6-Trichlorophenol	ND		ug/kg	540	170	5
P-Chloro-M-Cresol	ND		ug/kg	910	260	5
2-Chlorophenol	ND		ug/kg	910	270	5
2,4-Dichlorophenol	ND		ug/kg	820	290	5
2,4-Dimethylphenol	ND		ug/kg	910	270	5
2-Nitrophenol	ND		ug/kg	2000	280	5
4-Nitrophenol	ND		ug/kg	1300	290	5
2,4-Dinitrophenol	ND		ug/kg	4400	1200	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	330	5
Pentachlorophenol	ND		ug/kg	730	190	5
Phenol	ND		ug/kg	910	270	5
2-Methylphenol	ND		ug/kg	910	290	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	300	5
2,4,5-Trichlorophenol	ND		ug/kg	910	290	5
Benzoic Acid	ND		ug/kg	2900	920	5
Benzyl Alcohol	ND		ug/kg	910	280	5
Carbazole	2200		ug/kg	910	200	5
Benzaldehyde	ND		ug/kg	1200	370	5

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-06	Date Collected:	02/25/14 13:40
Client ID:	SB-22_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	910	250	5
Atrazine	ND		ug/kg	730	200	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	910	150	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	97		0-136
4-Terphenyl-d14	61		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-07	Date Collected:	02/25/14 13:50
Client ID:	SB-22_6-8	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 00:29
Analytical Date:	03/01/14 21:00		
Analyst:	JB		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	250		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	2200		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	83	J	ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	910		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-07 Date Collected: 02/25/14 13:50

Client ID: SB-22_6-8 Date Received: 02/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	750		ug/kg	160	48.	1
Benzo(b)fluoranthene	870		ug/kg	120	40.	1
Benzo(k)fluoranthene	380		ug/kg	120	38.	1
Chrysene	940		ug/kg	120	39.	1
Acenaphthylene	54	J	ug/kg	160	37.	1
Anthracene	510		ug/kg	120	33.	1
Benzo(ghi)perylene	420		ug/kg	160	41.	1
Fluorene	240		ug/kg	200	57.	1
Phenanthrene	2300		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	97	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	470		ug/kg	160	44.	1
Pyrene	1800		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	140	J	ug/kg	200	66.	1
2-Methylnaphthalene	63	J	ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	190	J	ug/kg	200	43.	1
Benzaldehyde	ND		ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-07	Date Collected:	02/25/14 13:50
Client ID:	SB-22_6-8	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	55.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	68		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-08	Date Collected:	02/25/14 16:45
Client ID:	SOFB01_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/26/14 08:43
Analytical Date:	03/01/14 19:25		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-08	Date Collected:	02/25/14 16:45
Client ID:	SOFB01_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	73		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-08	Date Collected:	02/25/14 16:45
Client ID:	SOFB01_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/26/14 08:45
Analytical Date:	02/27/14 19:13		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	79		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/01/14 13:07
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 02/26/14 08:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG672348-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/01/14 13:07
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 02/26/14 08:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG672348-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	76		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/27/14 16:45
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 02/26/14 08:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG672349-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/27/14 16:45
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 02/26/14 08:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG672349-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	78		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/01/14 13:36
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/27/14 00:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG672532-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/01/14 13:36
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/27/14 00:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG672532-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/01/14 13:36
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/27/14 00:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG672532-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	74		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG672348-2 WG672348-3								
1,2,4-Trichlorobenzene	43		41		39-98	5		30
Bis(2-chloroethyl)ether	58		53		40-140	9		30
1,2-Dichlorobenzene	45		42		40-140	7		30
1,3-Dichlorobenzene	42		41		40-140	2		30
1,4-Dichlorobenzene	43		40		36-97	7		30
3,3'-Dichlorobenzidine	56		60		40-140	7		30
2,4-Dinitrotoluene	88		77		24-96	13		30
2,6-Dinitrotoluene	90		72		40-140	22		30
4-Chlorophenyl phenyl ether	65		57		40-140	13		30
4-Bromophenyl phenyl ether	75		64		40-140	16		30
Bis(2-chloroisopropyl)ether	55		48		40-140	14		30
Bis(2-chloroethoxy)methane	68		59		40-140	14		30
Hexachlorocyclopentadiene	**28**	Q	**26**	Q	40-140	7		30
Isophorone	69		57		40-140	19		30
Nitrobenzene	61		55		40-140	10		30
NitrosoDiPhenylAmine(NDPA)/DPA	74		65		40-140	13		30
n-Nitrosodi-n-propylamine	66		56		29-132	16		30
Bis(2-Ethylhexyl)phthalate	77		67		40-140	14		30
Butyl benzyl phthalate	87		68		40-140	25		30
Di-n-butylphthalate	79		67		40-140	16		30
Di-n-octylphthalate	81		67		40-140	19		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG672348-2 WG672348-3								
Diethyl phthalate	77		66		40-140	15		30
Dimethyl phthalate	72		61		40-140	17		30
Biphenyl	57		54			5		30
4-Chloroaniline	**36**	Q	**36**	Q	40-140	0		30
2-Nitroaniline	95		78		52-143	20		30
3-Nitroaniline	48		50		25-145	4		30
4-Nitroaniline	78		65		51-143	18		30
Dibenzofuran	59		54		40-140	9		30
1,2,4,5-Tetrachlorobenzene	50		50		2-134	0		30
Acetophenone	78		66		39-129	17		30
2,4,6-Trichlorophenol	80		67		30-130	18		30
P-Chloro-M-Cresol	80		66		23-97	19		30
2-Chlorophenol	62		54		27-123	14		30
2,4-Dichlorophenol	69		60		30-130	14		30
2,4-Dimethylphenol	72		54		30-130	29		30
2-Nitrophenol	80		71		30-130	12		30
4-Nitrophenol	59		48		10-80	21		30
2,4-Dinitrophenol	106		92		20-130	14		30
4,6-Dinitro-o-cresol	108		94		20-164	14		30
Phenol	30		26		12-110	14		30
2-Methylphenol	62		51		30-130	19		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG672348-2 WG672348-3								
3-Methylphenol/4-Methylphenol	60		50		30-130	18		30
2,4,5-Trichlorophenol	85		70		30-130	19		30
Benzoic Acid	51		54			6		30
Benzyl Alcohol	57		49			15		30
Carbazole	78		64		55-144	20		30
Benzaldehyde	75		67		40-140	11		30
Caprolactam	27		24		10-130	12		30
Atrazine	100		85		40-140	16		30
2,3,4,6-Tetrachlorophenol	78		69		54-145	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		40		21-120
Phenol-d6	32		28		10-120
Nitrobenzene-d5	79		71		23-120
2-Fluorobiphenyl	72		62		15-120
2,4,6-Tribromophenol	88		80		10-120
4-Terphenyl-d14	89		73		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG672349-2 WG672349-3								
Acenaphthene	68		62		37-111	9		40
2-Chloronaphthalene	67		60		40-140	11		40
Fluoranthene	89		82		40-140	8		40
Hexachlorobutadiene	62		58		40-140	7		40
Naphthalene	64		58		40-140	10		40
Benzo(a)anthracene	82		76		40-140	8		40
Benzo(a)pyrene	80		72		40-140	11		40
Benzo(b)fluoranthene	76		71		40-140	7		40
Benzo(k)fluoranthene	92		75		40-140	20		40
Chrysene	77		69		40-140	11		40
Acenaphthylene	73		64		40-140	13		40
Anthracene	74		68		40-140	8		40
Benzo(ghi)perylene	86		78		40-140	10		40
Fluorene	72		66		40-140	9		40
Phenanthrene	72		65		40-140	10		40
Dibenzo(a,h)anthracene	86		78		40-140	10		40
Indeno(1,2,3-cd)Pyrene	88		79		40-140	11		40
Pyrene	86		79		26-127	8		40
2-Methylnaphthalene	66		60		40-140	10		40
Pentachlorophenol	80		74		9-103	8		40
Hexachlorobenzene	74		68		40-140	8		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG672349-2 WG672349-3								
Hexachloroethane	61		56		40-140	9		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	40		38		21-120
Phenol-d6	27		24		10-120
Nitrobenzene-d5	63		58		23-120
2-Fluorobiphenyl	65		61		15-120
2,4,6-Tribromophenol	73		69		10-120
4-Terphenyl-d14	81		79		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG672532-2 WG672532-3								
Acenaphthene	62		73		31-137	16		50
1,2,4-Trichlorobenzene	54		63		38-107	15		50
Hexachlorobenzene	76		83		40-140	9		50
Bis(2-chloroethyl)ether	42		51		40-140	19		50
2-Chloronaphthalene	60		70		40-140	15		50
1,2-Dichlorobenzene	47		57		40-140	19		50
1,3-Dichlorobenzene	46		56		40-140	20		50
1,4-Dichlorobenzene	46		56		28-104	20		50
3,3'-Dichlorobenzidine	64		62		40-140	3		50
2,4-Dinitrotoluene	71		78		28-89	9		50
2,6-Dinitrotoluene	70		72		40-140	3		50
Fluoranthene	72		79		40-140	9		50
4-Chlorophenyl phenyl ether	72		80		40-140	11		50
4-Bromophenyl phenyl ether	73		83		40-140	13		50
Bis(2-chloroisopropyl)ether	**33**	Q	42		40-140	24		50
Bis(2-chloroethoxy)methane	45		54		40-117	18		50
Hexachlorobutadiene	56		65		40-140	15		50
Hexachlorocyclopentadiene	45		56		40-140	22		50
Hexachloroethane	43		52		40-140	19		50
Isophorone	45		54		40-140	18		50
Naphthalene	50		60		40-140	18		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG672532-2 WG672532-3								
Nitrobenzene	48		57		40-140	17		50
NitrosoDiPhenylAmine(NDPA)/DPA	71		78			9		50
n-Nitrosodi-n-propylamine	42		53		32-121	23		50
Bis(2-Ethylhexyl)phthalate	68		77		40-140	12		50
Butyl benzyl phthalate	68		74		40-140	8		50
Di-n-butylphthalate	72		77		40-140	7		50
Di-n-octylphthalate	70		77		40-140	10		50
Diethyl phthalate	70		75		40-140	7		50
Dimethyl phthalate	70		77		40-140	10		50
Benzo(a)anthracene	71		78		40-140	9		50
Benzo(a)pyrene	68		75		40-140	10		50
Benzo(b)fluoranthene	69		70		40-140	1		50
Benzo(k)fluoranthene	69		86		40-140	22		50
Chrysene	72		80		40-140	11		50
Acenaphthylene	63		70		40-140	11		50
Anthracene	71		77		40-140	8		50
Benzo(ghi)perylene	67		81		40-140	19		50
Fluorene	67		75		40-140	11		50
Phenanthrene	70		76		40-140	8		50
Dibenzo(a,h)anthracene	69		82		40-140	17		50
Indeno(1,2,3-cd)Pyrene	69		83		40-140	18		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG672532-2 WG672532-3								
Pyrene	72		77		35-142	7		50
Biphenyl	75		88			16		50
4-Chloroaniline	44		53		40-140	19		50
2-Nitroaniline	66		72		47-134	9		50
3-Nitroaniline	33		38		26-129	14		50
4-Nitroaniline	65		71		41-125	9		50
Dibenzofuran	68		78		40-140	14		50
2-Methylnaphthalene	57		66		40-140	15		50
1,2,4,5-Tetrachlorobenzene	72		85		40-117	17		50
Acetophenone	56		69		14-144	21		50
2,4,6-Trichlorophenol	70		78		30-130	11		50
P-Chloro-M-Cresol	67		72		26-103	7		50
2-Chlorophenol	47		57		25-102	19		50
2,4-Dichlorophenol	59		69		30-130	16		50
2,4-Dimethylphenol	50		59		30-130	17		50
2-Nitrophenol	48		56		30-130	15		50
4-Nitrophenol	67		74		11-114	10		50
2,4-Dinitrophenol	43		42		4-130	2		50
4,6-Dinitro-o-cresol	61		60		10-130	2		50
Pentachlorophenol	73		76		17-109	4		50
Phenol	46		56		26-90	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG672532-2 WG672532-3								
2-Methylphenol	48		56		30-130.	15		50
3-Methylphenol/4-Methylphenol	50		60		30-130	18		50
2,4,5-Trichlorophenol	72		77		30-130	7		50
Benzoic Acid	33		43			26		50
Benzyl Alcohol	47		58		40-140	21		50
Carbazole	71		77		54-128	8		50
Benzaldehyde	53		67			23		50
Caprolactam	69		74			7		50
Atrazine	103		95			8		50
2,3,4,6-Tetrachlorophenol	74		80			8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		66		25-120
Phenol-d6	53		63		10-120
Nitrobenzene-d5	52		62		23-120
2-Fluorobiphenyl	68		79		30-120
2,4,6-Tribromophenol	90		99		0-136
4-Terphenyl-d14	84		88		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672532-4 WG672532-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Acenaphthene	250	1570	1300	67		970	46		31-137	29		50
1,2,4-Trichlorobenzene	ND	1570	1100	70		790	50		38-107	33		50
Hexachlorobenzene	ND	1570	1200	76		840	54		40-140	35		50
Bis(2-chloroethyl)ether	ND	1570	880	56		630	40		40-140	33		50
2-Chloronaphthalene	ND	1570	1200	76		840	54		40-140	35		50
1,2-Dichlorobenzene	ND	1570	980	62		700	45		40-140	33		50
1,3-Dichlorobenzene	ND	1570	940	60		660	42		40-140	35		50
1,4-Dichlorobenzene	ND	1570	970	62		660	42		28-104	38		50
3,3'-Dichlorobenzidine	ND	1570	950	60		750	48		40-140	24		50
2,4-Dinitrotoluene	ND	1570	1100	70		790	50		28-89	33		50
2,6-Dinitrotoluene	ND	1570	1000	64		780	50		40-140	25		50
Fluoranthene	2200	1570	2700	**32**	Q	2300	**6**	Q	40-140	16		50
4-Chlorophenyl phenyl ether	ND	1570	1200	76		840	54		40-140	35		50
4-Bromophenyl phenyl ether	ND	1570	1200	76		880	56		40-140	31		50
Bis(2-chloroisopropyl)ether	ND	1570	710	45		480	**31**	Q	40-140	39		50
Bis(2-chloroethoxy)methane	ND	1570	960	61		670	43		40-117	36		50
Hexachlorobutadiene	ND	1570	1100	70		730	47		40-140	40		50
Hexachlorocyclopentadiene	ND	1570	300J	**19**	Q	200J	**13**	Q	40-140	40		50
Hexachloroethane	ND	1570	840	53		570	**36**	Q	40-140	38		50
Isophorone	ND	1570	960	61		680	43		40-140	34		50
Naphthalene	83.J	1570	1200	76		870	55		40-140	32		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672532-4 WG672532-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Nitrobenzene	ND	1570	960	61		750	48		40-140	25		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1570	1100	70		830	53			28		50
n-Nitrosodi-n-propylamine	ND	1570	920	58		650	41		32-121	34		50
Bis(2-Ethylhexyl)phthalate	ND	1570	1000	64		720	46		40-140	33		50
Butyl benzyl phthalate	ND	1570	1000	64		720	46		40-140	33		50
Di-n-butylphthalate	ND	1570	1100	70		750	48		40-140	38		50
Di-n-octylphthalate	ND	1570	1000	64		730	47		40-140	31		50
Diethyl phthalate	ND	1570	1100	70		820	52		40-140	29		50
Dimethyl phthalate	ND	1570	1200	76		840	54		40-140	35		50
Benzo(a)anthracene	910	1570	1700	50		1400	**31**	Q	40-140	19		50
Benzo(a)pyrene	750	1570	1600	54		1300	**35**	Q	40-140	21		50
Benzo(b)fluoranthene	870	1570	1700	53		1400	**34**	Q	40-140	19		50
Benzo(k)fluoranthene	380	1570	1400	65		1000	40		40-140	33		50
Chrysene	940	1570	1800	55		1400	**29**	Q	40-140	25		50
Acenaphthylene	54.J	1570	1100	70		850	54		40-140	26		50
Anthracene	510	1570	1500	63		1200	44		40-140	22		50
Benzo(ghi)perylene	420	1570	1400	62		1000	**37**	Q	40-140	33		50
Fluorene	240	1570	1300	67		980	47		40-140	28		50
Phenanthrene	2300	1570	2700	**25**	Q	2300	**0**	Q	40-140	16		50
Dibenzo(a,h)anthracene	97.J	1570	1200	76		800	51		40-140	40		50
Indeno(1,2,3-cd)Pyrene	470	1570	1400	59		1000	**34**	Q	40-140	33		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672532-4 WG672532-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Pyrene	1800	1570	2400	38		2000	**13**	Q	35-142	18		50
Biphenyl	ND	1570	1500	95		1000	64			40		50
4-Chloroaniline	ND	1570	800	51		550	**35**	Q	40-140	37		50
2-Nitroaniline	ND	1570	1200	76		860	55		47-134	33		50
3-Nitroaniline	ND	1570	640	41		650	41		26-129	2		50
4-Nitroaniline	ND	1570	1100	70		860	55		41-125	24		50
Dibenzofuran	140J	1570	1300	83		950	61		40-140	31		50
2-Methylnaphthalene	63.J	1570	1200	76		870	55		40-140	32		50
1,2,4,5-Tetrachlorobenzene	ND	1570	1400	89		1000	64		40-117	33		50
Acetophenone	ND	1570	1200	76		860	55		14-144	33		50
2,4,6-Trichlorophenol	ND	1570	1200	76		920	59		30-130	26		50
P-Chloro-M-Cresol	ND	1570	1100	70		820	52		26-103	29		50
2-Chlorophenol	ND	1570	960	61		690	44		25-102	33		50
2,4-Dichlorophenol	ND	1570	1200	76		890	57		30-130	30		50
2,4-Dimethylphenol	ND	1570	980	62		710	45		30-130	32		50
2-Nitrophenol	ND	1570	840	53		630	40		30-130	29		50
4-Nitrophenol	ND	1570	1000	64		760	48		11-114	27		50
2,4-Dinitrophenol	ND	1570	ND	**0**	Q	ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1570	100J	**6**	Q	100J	**6**	Q	10-130	0		50
Pentachlorophenol	ND	1570	1300	83		890	57		17-109	37		50
Phenol	ND	1570	970	62		700	45		26-90	32		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672532-4 WG672532-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
2-Methylphenol	ND	1570	960	61		700	45		30-130.	31		50
3-Methylphenol/4-Methylphenol	ND	1570	1000	64		740	47		30-130	30		50
2,4,5-Trichlorophenol	ND	1570	1200	76		900	57		30-130	29		50
Benzoic Acid	ND	1570	ND	0	Q	ND	0	Q		NC		50
Benzyl Alcohol	ND	1570	960	61		710	45		40-140	30		50
Carbazole	190J	1570	1300	83		1000	64		54-128	26		50
Benzaldehyde	ND	1570	1200	76		840	54			35		50
Caprolactam	ND	1570	1100	70		830	53			28		50
Atrazine	ND	1570	1400	89		1000	64			33		50
2,3,4,6-Tetrachlorophenol	ND	1570	1200	76		920	59			26		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	95		69		0-136
2-Fluorobiphenyl	78		58		30-120
2-Fluorophenol	65		47		25-120
4-Terphenyl-d14	75		57		18-120
Nitrobenzene-d5	69		49		23-120
Phenol-d6	67		50		10-120

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-01	Date Collected:	02/25/14 08:45
Client ID:	SB-18_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/26/14 14:32
Analytical Date:	02/27/14 14:27	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	2.90	1	A
Aroclor 1221	ND		ug/kg	36.8	3.39	1	A
Aroclor 1232	ND		ug/kg	36.8	4.31	1	A
Aroclor 1242	ND		ug/kg	36.8	4.50	1	A
Aroclor 1248	ND		ug/kg	36.8	3.10	1	A
Aroclor 1254	ND		ug/kg	36.8	3.02	1	A
Aroclor 1260	79.2		ug/kg	36.8	2.80	1	B
Aroclor 1262	ND		ug/kg	36.8	1.82	1	A
Aroclor 1268	ND		ug/kg	36.8	5.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-02	Date Collected:	02/25/14 08:55
Client ID:	SB-18_8-10	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/26/14 14:32
Analytical Date:	02/27/14 14:39	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	3.02	1	A
Aroclor 1221	ND		ug/kg	38.2	3.52	1	A
Aroclor 1232	ND		ug/kg	38.2	4.48	1	A
Aroclor 1242	ND		ug/kg	38.2	4.68	1	A
Aroclor 1248	ND		ug/kg	38.2	3.22	1	A
Aroclor 1254	ND		ug/kg	38.2	3.14	1	A
Aroclor 1260	ND		ug/kg	38.2	2.91	1	A
Aroclor 1262	ND		ug/kg	38.2	1.90	1	A
Aroclor 1268	ND		ug/kg	38.2	5.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-03	Date Collected:	02/25/14 10:35
Client ID:	SB-21_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/28/14 17:44
Analytical Date:	03/01/14 20:24	Cleanup Method1:	EPA 3665A
Analyst:	TQ	Cleanup Date1:	03/01/14
Percent Solids:	93%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/01/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	2.75	1	A
Aroclor 1221	ND		ug/kg	34.8	3.21	1	A
Aroclor 1232	ND		ug/kg	34.8	4.08	1	A
Aroclor 1242	ND		ug/kg	34.8	4.26	1	A
Aroclor 1248	ND		ug/kg	34.8	2.94	1	A
Aroclor 1254	ND		ug/kg	34.8	2.86	1	A
Aroclor 1260	45.3	P	ug/kg	34.8	2.65	1	B
Aroclor 1262	ND		ug/kg	34.8	1.72	1	A
Aroclor 1268	ND		ug/kg	34.8	5.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-04	Date Collected:	02/25/14 10:45
Client ID:	SB-21_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/26/14 14:32
Analytical Date:	02/27/14 15:04	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	2.87	1	A
Aroclor 1221	ND		ug/kg	36.3	3.35	1	A
Aroclor 1232	ND		ug/kg	36.3	4.26	1	A
Aroclor 1242	ND		ug/kg	36.3	4.45	1	A
Aroclor 1248	ND		ug/kg	36.3	3.07	1	A
Aroclor 1254	ND		ug/kg	36.3	2.99	1	A
Aroclor 1260	ND		ug/kg	36.3	2.77	1	A
Aroclor 1262	ND		ug/kg	36.3	1.80	1	A
Aroclor 1268	ND		ug/kg	36.3	5.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-05	Date Collected:	02/25/14 13:30
Client ID:	SB-22_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/26/14 14:32
Analytical Date:	02/27/14 15:16	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.5	2.73	1	A
Aroclor 1221	ND		ug/kg	34.5	3.18	1	A
Aroclor 1232	ND		ug/kg	34.5	4.05	1	A
Aroclor 1242	ND		ug/kg	34.5	4.23	1	A
Aroclor 1248	ND		ug/kg	34.5	2.92	1	A
Aroclor 1254	ND		ug/kg	34.5	2.84	1	A
Aroclor 1260	11.6	J	ug/kg	34.5	2.63	1	B
Aroclor 1262	ND		ug/kg	34.5	1.71	1	A
Aroclor 1268	ND		ug/kg	34.5	5.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-06	Date Collected:	02/25/14 13:40
Client ID:	SB-22_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/26/14 14:32
Analytical Date:	02/27/14 15:29	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	2.91	1	A
Aroclor 1221	ND		ug/kg	36.8	3.39	1	A
Aroclor 1232	ND		ug/kg	36.8	4.31	1	A
Aroclor 1242	ND		ug/kg	36.8	4.50	1	A
Aroclor 1248	ND		ug/kg	36.8	3.10	1	A
Aroclor 1254	ND		ug/kg	36.8	3.02	1	A
Aroclor 1260	ND		ug/kg	36.8	2.80	1	A
Aroclor 1262	ND		ug/kg	36.8	1.82	1	A
Aroclor 1268	ND		ug/kg	36.8	5.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-07	Date Collected:	02/25/14 13:50
Client ID:	SB-22_6-8	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/26/14 14:32
Analytical Date:	02/27/14 16:30	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.11	1	A
Aroclor 1221	ND		ug/kg	39.4	3.63	1	A
Aroclor 1232	ND		ug/kg	39.4	4.62	1	A
Aroclor 1242	ND		ug/kg	39.4	4.82	1	A
Aroclor 1248	ND		ug/kg	39.4	3.33	1	A
Aroclor 1254	ND		ug/kg	39.4	3.24	1	A
Aroclor 1260	ND		ug/kg	39.4	3.00	1	A
Aroclor 1262	ND		ug/kg	39.4	1.95	1	A
Aroclor 1268	ND		ug/kg	39.4	5.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	**29**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	37		30-150	B
Decachlorobiphenyl	30		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-08	Date Collected:	02/25/14 16:45
Client ID:	SOFB01_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/26/14 11:45
Analytical Date:	02/27/14 14:48	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/26/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/26/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404087

Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/27/14 15:01
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 02/26/14 11:45
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/26/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/26/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG672412-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404087

Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/27/14 15:41
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 02/26/14 14:32
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/27/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02,04-07 Batch: WG672454-1						
Aroclor 1016	ND		ug/kg	31.5	2.49	A
Aroclor 1221	ND		ug/kg	31.5	2.90	A
Aroclor 1232	ND		ug/kg	31.5	3.69	A
Aroclor 1242	ND		ug/kg	31.5	3.85	A
Aroclor 1248	ND		ug/kg	31.5	2.66	A
Aroclor 1254	ND		ug/kg	31.5	2.59	A
Aroclor 1260	ND		ug/kg	31.5	2.40	A
Aroclor 1262	ND		ug/kg	31.5	1.56	A
Aroclor 1268	ND		ug/kg	31.5	4.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404087

Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/01/14 20:38
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 02/28/14 17:44
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/01/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/01/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG673009-1						
Aroclor 1016	ND		ug/kg	32.9	2.60	A
Aroclor 1221	ND		ug/kg	32.9	3.03	A
Aroclor 1232	ND		ug/kg	32.9	3.86	A
Aroclor 1242	ND		ug/kg	32.9	4.03	A
Aroclor 1248	ND		ug/kg	32.9	2.78	A
Aroclor 1254	ND		ug/kg	32.9	2.70	A
Aroclor 1260	ND		ug/kg	32.9	2.51	A
Aroclor 1262	ND		ug/kg	32.9	1.63	A
Aroclor 1268	ND		ug/kg	32.9	4.77	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	80		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,04-07 QC Batch ID: WG672454-4 WG672454-5 QC Sample: L1404087-07 Client ID: SB-22_6-8													
Aroclor 1016	ND	235	193	82		201	84		40-140	4		50	A
Aroclor 1260	ND	235	161	69		178	74		40-140	10		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		69		30-150	A
Decachlorobiphenyl	65		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		72		30-150	B
Decachlorobiphenyl	65		70		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG672412-2 WG672412-3									
Aroclor 1016	75		82		40-140	9		50	A
Aroclor 1260	84		90		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		69		30-150	A
Decachlorobiphenyl	79		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		71		30-150	B
Decachlorobiphenyl	78		82		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,04-07 Batch: WG672454-2 WG672454-3									
Aroclor 1016	86		79		40-140	8		50	A
Aroclor 1260	76		71		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		66		30-150	A
Decachlorobiphenyl	76		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		68		30-150	B
Decachlorobiphenyl	76		66		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG673009-2 WG673009-3									
Aroclor 1016	95		84		40-140	12		50	A
Aroclor 1260	93		84		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		78		30-150	A
Decachlorobiphenyl	91		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		82		30-150	B
Decachlorobiphenyl	105		94		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-01	Date Collected:	02/25/14 08:45
Client ID:	SB-18_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/26/14 11:42
Analytical Date:	02/27/14 13:50	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/27/14
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	65.8		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.22	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.3	5.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-01	Date Collected:	02/25/14 08:45
Client ID:	SB-18_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/26/14 16:07
Analytical Date:	02/28/14 11:47	Methylation Date:	02/28/14 08:07
Analyst:	SH		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.1	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	100		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-02	Date Collected:	02/25/14 08:55
Client ID:	SB-18_8-10	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/26/14 11:42
Analytical Date:	02/27/14 14:03	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/27/14
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.364	1	A
Lindane	ND		ug/kg	0.774	0.346	1	A
Alpha-BHC	ND		ug/kg	0.774	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.704	1	A
Heptachlor	ND		ug/kg	0.928	0.416	1	A
Aldrin	ND		ug/kg	1.86	0.654	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.774	0.317	1	A
Endrin ketone	ND		ug/kg	1.86	0.478	1	A
Dieldrin	2.96	P	ug/kg	1.16	0.580	1	B
4,4'-DDE	ND		ug/kg	1.86	0.429	1	A
4,4'-DDD	ND		ug/kg	1.86	0.662	1	A
4,4'-DDT	ND		ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.86	0.438	1	A
Endosulfan II	ND		ug/kg	1.86	0.620	1	A
Endosulfan sulfate	ND		ug/kg	0.774	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.75	1	A
cis-Chlordane	ND		ug/kg	2.32	0.647	1	A
trans-Chlordane	ND		ug/kg	2.32	0.613	1	A
Chlordane	ND		ug/kg	15.1	6.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-02	Date Collected:	02/25/14 08:55
Client ID:	SB-18_8-10	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/26/14 16:07
Analytical Date:	02/28/14 12:07	Methylation Date:	02/28/14 08:07
Analyst:	SH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	24.0	1	A
2,4,5-T	ND		ug/kg	197	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	10.9	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	64		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-03	Date Collected:	02/25/14 10:35
Client ID:	SB-21_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/26/14 11:42
Analytical Date:	02/27/14 14:16	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/27/14
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.324	1	A
Lindane	ND		ug/kg	0.688	0.308	1	A
Alpha-BHC	ND		ug/kg	0.688	0.196	1	A
Beta-BHC	ND		ug/kg	1.65	0.626	1	A
Heptachlor	ND		ug/kg	0.826	0.370	1	A
Aldrin	ND		ug/kg	1.65	0.582	1	A
Heptachlor epoxide	ND		ug/kg	3.10	0.929	1	A
Endrin	ND		ug/kg	0.688	0.282	1	A
Endrin ketone	ND		ug/kg	1.65	0.425	1	A
Dieldrin	ND		ug/kg	1.03	0.516	1	A
4,4'-DDE	7.30		ug/kg	1.65	0.382	1	A
4,4'-DDD	1.55	J	ug/kg	1.65	0.589	1	B
4,4'-DDT	10.1		ug/kg	3.10	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.390	1	A
Endosulfan II	ND		ug/kg	1.65	0.552	1	A
Endosulfan sulfate	ND		ug/kg	0.688	0.328	1	A
Methoxychlor	ND		ug/kg	3.10	0.964	1	A
Toxaphene	ND		ug/kg	31.0	8.67	1	A
cis-Chlordane	ND		ug/kg	2.06	0.575	1	A
trans-Chlordane	ND		ug/kg	2.06	0.545	1	A
Chlordane	ND		ug/kg	13.4	5.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-03	Date Collected:	02/25/14 10:35
Client ID:	SB-21_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/26/14 16:07
Analytical Date:	02/28/14 12:27	Methylation Date:	02/28/14 08:07
Analyst:	SH		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	21.4	1	A
2,4,5-T	ND		ug/kg	176	11.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	9.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	96		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-04	Date Collected:	02/25/14 10:45
Client ID:	SB-21_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/26/14 11:42
Analytical Date:	02/27/14 14:29	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/27/14
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.878	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	ND		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.626	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.22	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.3	5.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**714**	Q	30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-04	Date Collected:	02/25/14 10:45
Client ID:	SB-21_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/26/14 16:07
Analytical Date:	02/28/14 12:47	Methylation Date:	02/28/14 08:07
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	22.8	1	A
2,4,5-T	ND		ug/kg	188	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-05	Date Collected:	02/25/14 13:30
Client ID:	SB-22_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/26/14 11:42
Analytical Date:	02/27/14 14:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/27/14
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.691	0.309	1	A
Alpha-BHC	ND		ug/kg	0.691	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.629	1	A
Heptachlor	ND		ug/kg	0.829	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.584	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.933	1	A
Endrin	ND		ug/kg	0.691	0.283	1	A
Endrin ketone	ND		ug/kg	1.66	0.427	1	A
Dieldrin	ND		ug/kg	1.04	0.518	1	A
4,4'-DDE	1.98	P	ug/kg	1.66	0.383	1	A
4,4'-DDD	ND		ug/kg	1.66	0.591	1	A
4,4'-DDT	7.05	P	ug/kg	3.11	1.33	1	A
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.554	1	A
Endosulfan sulfate	ND		ug/kg	0.691	0.329	1	A
Methoxychlor	ND		ug/kg	3.11	0.967	1	A
Toxaphene	ND		ug/kg	31.1	8.70	1	A
cis-Chlordane	ND		ug/kg	2.07	0.578	1	A
trans-Chlordane	ND		ug/kg	2.07	0.547	1	A
Chlordane	ND		ug/kg	13.5	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-05	Date Collected:	02/25/14 13:30
Client ID:	SB-22_0-2	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/26/14 16:07
Analytical Date:	02/28/14 13:07	Methylation Date:	02/28/14 08:07
Analyst:	SH		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	21.6	1	A
2,4,5-T	ND		ug/kg	178	11.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	9.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	54		30-150	A
DCAA	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-06	Date Collected:	02/25/14 13:40
Client ID:	SB-22_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/26/14 11:42
Analytical Date:	02/27/14 14:56	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/27/14
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.878	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	ND		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.22	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.3	5.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**156**	Q	30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-06	Date Collected:	02/25/14 13:40
Client ID:	SB-22_3.5-5.5	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/26/14 16:07
Analytical Date:	02/28/14 13:27	Methylation Date:	02/28/14 08:07
Analyst:	SH		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.2	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	56		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-07	Date Collected:	02/25/14 13:50
Client ID:	SB-22_6-8	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	02/26/14 11:42
Analytical Date:	02/27/14 15:09	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/27/14
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.368	1	A
Lindane	ND		ug/kg	0.783	0.350	1	A
Alpha-BHC	ND		ug/kg	0.783	0.222	1	A
Beta-BHC	ND		ug/kg	1.88	0.712	1	A
Heptachlor	ND		ug/kg	0.940	0.421	1	A
Aldrin	ND		ug/kg	1.88	0.662	1	A
Heptachlor epoxide	ND		ug/kg	3.52	1.06	1	A
Endrin	ND		ug/kg	0.783	0.321	1	A
Endrin ketone	ND		ug/kg	1.88	0.484	1	A
Dieldrin	ND		ug/kg	1.17	0.587	1	A
4,4'-DDE	ND		ug/kg	1.88	0.434	1	A
4,4'-DDD	ND		ug/kg	1.88	0.670	1	A
4,4'-DDT	ND		ug/kg	3.52	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.444	1	A
Endosulfan II	ND		ug/kg	1.88	0.628	1	A
Endosulfan sulfate	ND		ug/kg	0.783	0.373	1	A
Methoxychlor	ND		ug/kg	3.52	1.10	1	A
Toxaphene	ND		ug/kg	35.2	9.87	1	A
cis-Chlordane	ND		ug/kg	2.35	0.655	1	A
trans-Chlordane	ND		ug/kg	2.35	0.620	1	A
Chlordane	ND		ug/kg	15.3	6.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-07	Date Collected:	02/25/14 13:50
Client ID:	SB-22_6-8	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/26/14 16:07
Analytical Date:	02/28/14 16:02	Methylation Date:	02/28/14 08:07
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.9	1	A
2,4,5-T	ND		ug/kg	196	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-08	Date Collected:	02/25/14 16:45
Client ID:	SOFB01_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	02/26/14 11:46
Analytical Date:	02/27/14 11:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

SAMPLE RESULTS

Lab ID:	L1404087-08	Date Collected:	02/25/14 16:45
Client ID:	SOFB01_022514	Date Received:	02/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/26/14 06:45
Analytical Date:	02/27/14 07:37	Methylation Date:	02/26/14 13:03
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	73		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/27/14 06:37
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 02/26/14 06:45

Methylation Date: 02/26/14 13:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08 Batch: WG672319-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/27/14 12:44
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 02/26/14 11:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG672366-1						
Delta-BHC	ND		ug/kg	1.60	0.313	A
Lindane	ND		ug/kg	0.666	0.298	A
Alpha-BHC	ND		ug/kg	0.666	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.606	A
Heptachlor	ND		ug/kg	0.799	0.358	A
Aldrin	ND		ug/kg	1.60	0.563	A
Heptachlor epoxide	ND		ug/kg	3.00	0.899	A
Endrin	ND		ug/kg	0.666	0.273	A
Endrin ketone	ND		ug/kg	1.60	0.412	A
Dieldrin	ND		ug/kg	0.999	0.500	A
4,4'-DDE	ND		ug/kg	1.60	0.370	A
4,4'-DDD	ND		ug/kg	1.60	0.570	A
4,4'-DDT	ND		ug/kg	3.00	1.28	A
Endosulfan I	ND		ug/kg	1.60	0.378	A
Endosulfan II	ND		ug/kg	1.60	0.534	A
Endosulfan sulfate	ND		ug/kg	0.666	0.317	A
Methoxychlor	ND		ug/kg	3.00	0.933	A
Toxaphene	ND		ug/kg	30.0	8.39	A
cis-Chlordane	ND		ug/kg	2.00	0.557	A
trans-Chlordane	ND		ug/kg	2.00	0.528	A
Chlordane	ND		ug/kg	13.0	5.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/27/14 11:11
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 02/26/14 11:46
Cleanup Method1: EPA 3620B
Cleanup Date1: 02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG672413-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/28/14 10:07
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 02/26/14 16:07

Methylation Date: 02/28/14 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-07 Batch: WG672479-1						
2,4-D	ND		ug/kg	166	20.1	A
2,4,5-T	ND		ug/kg	166	10.3	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.14	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08 Batch: WG672319-2 WG672319-3									
2,4-D	122		107		30-150	13		25	A
2,4,5-T	97		89		30-150	9		25	A
2,4,5-TP (Silvex)	95		86		30-150	10		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	82		74		30-150	A
DCAA	90		84		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG672366-2 WG672366-3									
Delta-BHC	73		64		30-150	13		30	A
Lindane	75		66		30-150	13		30	A
Alpha-BHC	76		66		30-150	14		30	A
Beta-BHC	72		63		30-150	13		30	A
Heptachlor	81		72		30-150	12		30	A
Aldrin	82		72		30-150	13		30	A
Heptachlor epoxide	79		70		30-150	12		30	A
Endrin	90		78		30-150	14		30	A
Endrin ketone	79		71		30-150	11		30	A
Dieldrin	85		74		30-150	14		30	A
4,4'-DDE	80		70		30-150	13		30	A
4,4'-DDD	82		72		30-150	13		30	A
4,4'-DDT	94		82		30-150	14		30	A
Endosulfan I	83		73		30-150	13		30	A
Endosulfan II	82		72		30-150	13		30	A
Endosulfan sulfate	78		72		30-150	8		30	A
Methoxychlor	82		72		30-150	13		30	A
cis-Chlordane	81		72		30-150	12		30	A
trans-Chlordane	79		69		30-150	14		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG672366-2 WG672366-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		60		30-150	A
Decachlorobiphenyl	78		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		52		30-150	B
Decachlorobiphenyl	99		84		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG672413-2 WG672413-3									
Delta-BHC	81		78		30-150	4		20	A
Lindane	82		80		30-150	2		20	A
Alpha-BHC	82		81		30-150	2		20	A
Beta-BHC	78		77		30-150	2		20	A
Heptachlor	63		63		30-150	0		20	A
Aldrin	54		54		30-150	1		20	A
Heptachlor epoxide	84		82		30-150	3		20	A
Endrin	97		94		30-150	3		20	A
Endrin ketone	90		86		30-150	5		20	A
Dieldrin	91		88		30-150	4		20	A
4,4'-DDE	83		81		30-150	2		20	A
4,4'-DDD	89		84		30-150	6		20	A
4,4'-DDT	105		103		30-150	2		20	A
Endosulfan I	89		87		30-150	2		20	A
Endosulfan II	89		87		30-150	2		20	A
Endosulfan sulfate	93		87		30-150	6		20	A
Methoxychlor	91		87		30-150	5		20	A
cis-Chlordane	80		77		30-150	4		20	A
trans-Chlordane	77		74		30-150	5		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG672413-2 WG672413-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		44		30-150	A
Decachlorobiphenyl	68		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		40		30-150	B
Decachlorobiphenyl	78		75		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG672479-2 WG672479-3									
2,4-D	72		92		30-150	24		30	A
2,4,5-T	65		79		30-150	19		30	A
2,4,5-TP (Silvex)	64		77		30-150	18		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	59		64		30-150	A
DCAA	63		70		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672366-4 WG672366-5 QC Sample: L1404087-07 Client ID: SB-22_6-8													
Delta-BHC	ND	38.6	28.5	74		30.9	79		30-150	8		50	A
Lindane	ND	38.6	28.0	73		31.1	80		30-150	10		50	A
Alpha-BHC	ND	38.6	29.2	76		31.8	81		30-150	9		50	A
Beta-BHC	ND	38.6	24.6	64		25.1	64		30-150	2		50	A
Heptachlor	ND	38.6	31.6	82		33.2	85		30-150	5		50	A
Aldrin	ND	38.6	27.4	71		31.9	82		30-150	15		50	A
Heptachlor epoxide	ND	38.6	25.0	65		29.3	75		30-150	16		50	A
Endrin	ND	38.6	34.0	88		38.1	97		30-150	11		50	A
Endrin ketone	ND	38.6	26.1	68		30.5	78		30-150	16		50	A
Dieldrin	ND	38.6	25.7	67		31.2	80		30-150	19		50	A
4,4'-DDE	ND	38.6	18.5	48		23.1	59		30-150	22		50	A
4,4'-DDD	ND	38.6	23.7	61		29.2	75		30-150	21		50	A
4,4'-DDT	ND	38.6	29.9	78		36.0	92		30-150	19		50	A
Endosulfan I	ND	38.6	24.3	63		29.6	76		30-150	20		50	A
Endosulfan II	ND	38.6	24.9	65		30.5	78		30-150	20		50	A
Endosulfan sulfate	ND	38.6	21.0	54		25.7	66		30-150	20		50	A
Methoxychlor	ND	38.6	28.1	73		30.3	78		30-150	8		50	A
cis-Chlordane	ND	38.6	23.2	60		28.4	73		30-150	20		50	A
trans-Chlordane	ND	38.6	23.0	60		28.0	72		30-150	20		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672366-4 WG672366-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		74		30-150	A
Decachlorobiphenyl	61		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		55		30-150	B
Decachlorobiphenyl	64		72		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672479-4 WG672479-5 QC Sample: L1404087-07 Client ID: SB-22_6-8													
2,4-D	ND	386	369	96		388	99		30-150	5		30	A
2,4,5-T	ND	386	288	75		302	77		30-150	5		30	A
2,4,5-TP (Silvex)	ND	386	285	74		279	71		30-150	2		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	79		71		30-150	A
DCAA	91		80		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-01
Client ID: SB-18_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 02/25/14 08:45
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	8.7	1.7	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Arsenic, Total	6.6		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Barium, Total	96		mg/kg	0.87	0.26	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Beryllium, Total	0.43	J	mg/kg	0.44	0.09	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Cadmium, Total	0.28	J	mg/kg	0.87	0.06	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Calcium, Total	62000		mg/kg	8.7	2.6	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Cobalt, Total	4.8		mg/kg	1.7	0.44	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Copper, Total	10		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Iron, Total	13000		mg/kg	4.4	1.7	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Lead, Total	82		mg/kg	4.4	0.17	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Magnesium, Total	5600		mg/kg	8.7	0.87	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Manganese, Total	240		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Mercury, Total	0.29		mg/kg	0.08	0.02	1	02/26/14 11:31	02/27/14 10:39	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Potassium, Total	2500		mg/kg	220	35.	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Sodium, Total	540		mg/kg	170	26.	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.87	0.09	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT
Zinc, Total	170		mg/kg	4.4	0.61	2	02/26/14 15:44	02/26/14 21:36	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-02
Client ID: SB-18_8-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 02/25/14 08:55
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7200		mg/kg	9.4	1.9	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.75	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Arsenic, Total	37		mg/kg	0.94	0.19	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Barium, Total	54		mg/kg	0.94	0.28	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Beryllium, Total	0.31	J	mg/kg	0.47	0.09	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.94	0.07	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Calcium, Total	1200		mg/kg	9.4	2.8	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.94	0.19	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Cobalt, Total	7.7		mg/kg	1.9	0.47	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Copper, Total	49		mg/kg	0.94	0.19	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.7	1.9	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Lead, Total	100		mg/kg	4.7	0.19	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Magnesium, Total	2200		mg/kg	9.4	0.94	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Manganese, Total	330		mg/kg	0.94	0.19	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Mercury, Total	0.24		mg/kg	0.09	0.02	1	02/26/14 11:31	02/27/14 10:41	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.3	0.38	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	230	38.	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Selenium, Total	0.51	J	mg/kg	1.9	0.28	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.94	0.19	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Sodium, Total	92	J	mg/kg	190	28.	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Vanadium, Total	29		mg/kg	0.94	0.09	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT
Zinc, Total	150		mg/kg	4.7	0.66	2	02/26/14 15:44	02/26/14 21:40	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-03
Client ID: SB-21_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 93%

Date Collected: 02/25/14 10:35
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	8.2	1.6	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.1	0.66	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Arsenic, Total	8.7		mg/kg	0.82	0.16	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Barium, Total	180		mg/kg	0.82	0.25	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Beryllium, Total	0.49		mg/kg	0.41	0.08	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Cadmium, Total	0.16	J	mg/kg	0.82	0.06	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Calcium, Total	75000		mg/kg	8.2	2.5	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.82	0.16	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Cobalt, Total	5.4		mg/kg	1.6	0.41	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Copper, Total	75		mg/kg	0.82	0.16	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Iron, Total	11000		mg/kg	4.1	1.6	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Lead, Total	770		mg/kg	4.1	0.16	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Magnesium, Total	32000		mg/kg	8.2	0.82	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Manganese, Total	160		mg/kg	0.82	0.16	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Mercury, Total	0.07	J	mg/kg	0.08	0.02	1	02/26/14 11:31	02/27/14 10:43	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.0	0.33	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Potassium, Total	540		mg/kg	200	33.	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.6	0.25	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.82	0.16	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Sodium, Total	220		mg/kg	160	25.	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.33	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.82	0.08	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT
Zinc, Total	470		mg/kg	4.1	0.57	2	02/26/14 15:44	02/26/14 21:44	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-04
Client ID: SB-21_3.5-5.5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 02/25/14 10:45
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	8.7	1.7	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Barium, Total	55		mg/kg	0.87	0.26	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Beryllium, Total	0.32	J	mg/kg	0.44	0.09	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Cadmium, Total	0.23	J	mg/kg	0.87	0.06	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Calcium, Total	26000		mg/kg	8.7	2.6	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Chromium, Total	9.6		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Cobalt, Total	6.5		mg/kg	1.7	0.44	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Copper, Total	77		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Iron, Total	9700		mg/kg	4.4	1.7	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Lead, Total	160		mg/kg	4.4	0.17	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Magnesium, Total	3600		mg/kg	8.7	0.87	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Manganese, Total	91		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Mercury, Total	1.4		mg/kg	0.09	0.02	1	02/26/14 11:31	02/27/14 10:44	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.2	0.35	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Potassium, Total	590		mg/kg	220	35.	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Selenium, Total	0.62	J	mg/kg	1.7	0.26	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Sodium, Total	490		mg/kg	170	26.	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Vanadium, Total	12		mg/kg	0.87	0.09	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT
Zinc, Total	190		mg/kg	4.4	0.61	2	02/26/14 15:44	02/26/14 21:48	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-05
Client ID: SB-22_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 02/25/14 13:30
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	14000		mg/kg	8.6	1.7	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Antimony, Total	5.0		mg/kg	4.3	0.69	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Arsenic, Total	17		mg/kg	0.86	0.17	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Barium, Total	550		mg/kg	0.86	0.26	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Beryllium, Total	15		mg/kg	0.43	0.09	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.86	0.06	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Calcium, Total	30000		mg/kg	8.6	2.6	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Chromium, Total	170		mg/kg	0.86	0.17	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Cobalt, Total	130		mg/kg	1.7	0.43	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Copper, Total	2500		mg/kg	0.86	0.17	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Iron, Total	98000		mg/kg	430	170	200	02/26/14 15:44	02/27/14 12:29	EPA 3050B	1,6010C	MG
Lead, Total	3300		mg/kg	4.3	0.17	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Magnesium, Total	5800		mg/kg	8.6	0.86	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Manganese, Total	870		mg/kg	0.86	0.17	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Mercury, Total	0.05	J	mg/kg	0.09	0.02	1	02/26/14 11:31	02/27/14 10:46	EPA 7471B	1,7471B	MC
Nickel, Total	320		mg/kg	2.1	0.34	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Potassium, Total	1600		mg/kg	210	34.	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Silver, Total	0.66	J	mg/kg	0.86	0.17	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Sodium, Total	2100		mg/kg	170	26.	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Thallium, Total	0.62	J	mg/kg	1.7	0.34	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Vanadium, Total	32		mg/kg	0.86	0.09	2	02/26/14 15:44	02/26/14 22:07	EPA 3050B	1,6010C	TT
Zinc, Total	19000		mg/kg	430	60.	200	02/26/14 15:44	02/27/14 12:29	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-06
Client ID: SB-22_3.5-5.5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 02/25/14 13:40
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4500		mg/kg	8.5	1.7	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Antimony, Total	12		mg/kg	4.3	0.68	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Arsenic, Total	33		mg/kg	0.85	0.17	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Barium, Total	390		mg/kg	0.85	0.26	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Beryllium, Total	0.80		mg/kg	0.43	0.09	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Cadmium, Total	22		mg/kg	0.85	0.06	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Calcium, Total	40000		mg/kg	8.5	2.6	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Chromium, Total	17		mg/kg	0.85	0.17	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Cobalt, Total	9.1		mg/kg	1.7	0.43	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Copper, Total	200		mg/kg	0.85	0.17	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Iron, Total	90000		mg/kg	430	170	200	02/26/14 15:44	02/27/14 12:33	EPA 3050B	1,6010C	MG
Lead, Total	910		mg/kg	4.3	0.17	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Magnesium, Total	1900		mg/kg	8.5	0.85	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Manganese, Total	310		mg/kg	0.85	0.17	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Mercury, Total	2.2		mg/kg	0.08	0.02	1	02/27/14 12:38	02/27/14 15:27	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.1	0.34	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Potassium, Total	620		mg/kg	210	34.	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Selenium, Total	1.3	J	mg/kg	1.7	0.26	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Silver, Total	0.66	J	mg/kg	0.85	0.17	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Sodium, Total	880		mg/kg	170	26.	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Thallium, Total	0.35	J	mg/kg	1.7	0.34	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Vanadium, Total	13		mg/kg	0.85	0.09	2	02/26/14 15:44	02/26/14 22:11	EPA 3050B	1,6010C	TT
Zinc, Total	14000		mg/kg	430	60.	200	02/26/14 15:44	02/27/14 12:33	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-07
Client ID: SB-22_6-8
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 02/25/14 13:50
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6100		mg/kg	9.2	1.8	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Antimony, Total	0.91	J	mg/kg	4.6	0.73	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Arsenic, Total	28		mg/kg	0.92	0.18	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Barium, Total	58		mg/kg	0.92	0.28	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Beryllium, Total	0.52		mg/kg	0.46	0.09	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Cadmium, Total	0.94		mg/kg	0.92	0.06	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Calcium, Total	2800		mg/kg	9.2	2.8	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.92	0.18	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Cobalt, Total	7.8		mg/kg	1.8	0.46	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Copper, Total	78		mg/kg	0.92	0.18	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Iron, Total	24000		mg/kg	4.6	1.8	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Lead, Total	460		mg/kg	4.6	0.18	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Magnesium, Total	2000		mg/kg	9.2	0.92	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Manganese, Total	160		mg/kg	0.92	0.18	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Mercury, Total	0.25		mg/kg	0.09	0.02	1	03/04/14 10:09	03/04/14 11:11	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.3	0.37	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Potassium, Total	1400		mg/kg	230	37.	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Selenium, Total	0.76	J	mg/kg	1.8	0.28	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.92	0.18	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Sodium, Total	220		mg/kg	180	28.	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Thallium, Total	1.8		mg/kg	1.8	0.37	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.92	0.09	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT
Zinc, Total	580		mg/kg	4.6	0.64	2	02/26/14 15:44	02/26/14 20:44	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-08
Client ID: SOFB01_022514
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 02/25/14 16:45
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.00328	J	mg/l	0.0100	0.00200	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Antimony, Total	0.00071	J	mg/l	0.00100	0.00010	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Barium, Total	0.00028	J	mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Chromium, Total	0.00033	J	mg/l	0.00100	0.00020	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Copper, Total	0.00016	J	mg/l	0.00100	0.00010	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Manganese, Total	0.00015	J	mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/26/14 07:25	02/26/14 10:12	EPA 7470A	1,7470A	AK
Nickel, Total	0.00011	J	mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Sodium, Total	0.0350	J	mg/l	0.100	0.0150	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM
Zinc, Total	0.00268	J	mg/l	0.01000	0.00120	1	02/26/14 09:32	02/26/14 17:57	EPA 3005A	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 08 Batch: WG672321-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	02/26/14 07:25	02/26/14 10:08	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 08 Batch: WG672352-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Antimony, Total	0.00011	J	mg/l	0.00100	0.00010	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Chromium, Total	ND		mg/l	0.00100	0.00020	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Copper, Total	0.00053	J	mg/l	0.00100	0.00010	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Manganese, Total	ND		mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Sodium, Total	0.0363	J	mg/l	0.100	0.0150	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM
Zinc, Total	0.00230	J	mg/l	0.01000	0.00120	1	02/26/14 09:32	02/26/14 17:45	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG672367-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/26/14 11:31	02/27/14 09:54	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07 Batch: WG672464-1										
Aluminum, Total	1.0	J	mg/kg	4.0	0.80	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND	mg/kg	2.0	0.28	1	02/26/14 15:44	02/26/14 20:36	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 06 Batch: WG672643-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/27/14 12:38	02/27/14 15:23	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07 Batch: WG672645-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/04/14 10:09	03/04/14 11:07	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 Batch: WG672321-2								
Mercury, Total	105		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 Batch: WG672352-2					
Aluminum, Total	94	-	80-120	-	
Antimony, Total	81	-	80-120	-	
Arsenic, Total	96	-	80-120	-	
Barium, Total	89	-	80-120	-	
Beryllium, Total	90	-	80-120	-	
Cadmium, Total	90	-	80-120	-	
Calcium, Total	94	-	80-120	-	
Chromium, Total	94	-	80-120	-	
Cobalt, Total	97	-	80-120	-	
Copper, Total	94	-	80-120	-	
Iron, Total	88	-	80-120	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	98	-	80-120	-	
Manganese, Total	95	-	80-120	-	
Nickel, Total	94	-	80-120	-	
Potassium, Total	98	-	80-120	-	
Selenium, Total	101	-	80-120	-	
Silver, Total	90	-	80-120	-	
Sodium, Total	98	-	80-120	-	
Thallium, Total	93	-	80-120	-	
Vanadium, Total	92	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 Batch: WG672352-2					
Zinc, Total	98	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG672367-2 SRM Lot Number: 0518-10-02					
Mercury, Total	133	-	67-133	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG672464-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	82	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	92	-	83-118	-	
Beryllium, Total	92	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	83	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	95	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	93	-	80-120	-	
Magnesium, Total	92	-	74-126	-	
Manganese, Total	90	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	91	-	74-126	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	97	-	66-134	-	
Sodium, Total	95	-	74-127	-	
Thallium, Total	91	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG672464-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 06 Batch: WG672643-2 SRM Lot Number: 0518-10-02					
Mercury, Total	124	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG672645-2 SRM Lot Number: 0518-10-02					
Mercury, Total	111	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672321-4 QC Sample: L1404087-08 Client ID: SOFB01_022514												
Mercury, Total	ND	0.005	0.00525	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672352-4 QC Sample: L1404087-08 Client ID: SOFB01_022514									
Aluminum, Total	0.00328J	2	1.97	98	-	-	75-125	-	20
Antimony, Total	0.00071J	0.5	0.4267	85	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1183	98	-	-	75-125	-	20
Barium, Total	0.00028J	2	1.881	94	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04709	94	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.04761	93	-	-	75-125	-	20
Calcium, Total	ND	10	9.88	99	-	-	75-125	-	20
Chromium, Total	0.00033J	0.2	0.1969	98	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.5053	101	-	-	75-125	-	20
Copper, Total	0.00016J	0.25	0.2474	99	-	-	75-125	-	20
Iron, Total	ND	1	0.969	97	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5101	100	-	-	75-125	-	20
Magnesium, Total	ND	10	10.2	102	-	-	75-125	-	20
Manganese, Total	0.00015J	0.5	0.4963	99	-	-	75-125	-	20
Nickel, Total	0.00011J	0.5	0.4926	98	-	-	75-125	-	20
Potassium, Total	ND	10	10.2	102	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.119	99	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04660	93	-	-	75-125	-	20
Sodium, Total	0.0350J	10	10.1	101	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1163	97	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4777	96	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672352-4 QC Sample: L1404087-08 Client ID: SOFB01_022514										
Zinc, Total	0.00268J	0.5	0.5069	101		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG672367-4 QC Sample: L1404004-02 Client ID: MS Sample										
Mercury, Total	ND	0.155	0.22	**142**	Q	-	-	80-120	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672464-3 WG672464-4 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Aluminum, Total	6100	179	6700	**336**	Q	6500	**224**	Q	75-125	3		35
Antimony, Total	0.91J	44.7	41	92		42	94		75-125	2		35
Arsenic, Total	28.	10.7	44	**149**	Q	65	**345**	Q	75-125	**39**	Q	35
Barium, Total	58.	179	210	85		220	91		75-125	5		35
Beryllium, Total	0.52	4.47	4.4	87		4.5	89		75-125	2		35
Cadmium, Total	0.94	4.56	4.0	**67**	Q	4.0	**67**	Q	75-125	0		35
Calcium, Total	2800	894	2600	**0**	Q	2300	**0**	Q	75-125	12		35
Chromium, Total	14.	17.9	29	84		30	89		75-125	3		35
Cobalt, Total	7.8	44.7	51	97		56	108		75-125	9		35
Copper, Total	78.	22.3	93	**67**	Q	120	**188**	Q	75-125	25		35
Iron, Total	24000	89.4	26000	**2240**	Q	41000	**19000**	Q	75-125	**45**	Q	35
Lead, Total	460	45.6	680	**482**	Q	1300	**1840**	Q	75-125	**63**	Q	35
Magnesium, Total	2000	894	2600	**67**	Q	2800	89		75-125	7		35
Manganese, Total	160	44.7	210	112		280	**268**	Q	75-125	29		35
Nickel, Total	18.	44.7	62	98		76	**130**	Q	75-125	20		35
Potassium, Total	1400	894	2100	78		2200	89		75-125	5		35
Selenium, Total	0.76J	10.7	10	93		9.9	92		75-125	1		35
Silver, Total	ND	26.8	25	93		24	89		75-125	4		35
Sodium, Total	220	894	1200	110		1100	98		75-125	9		35
Thallium, Total	1.8	10.7	7.1	**66**	Q	6.9	**64**	Q	75-125	3		35
Vanadium, Total	18.	44.7	59	92		59	92		75-125	0		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672464-3 WG672464-4 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Zinc, Total	580	44.7	230	**0**	Q	440	**0**	Q	75-125	**63**	Q	35
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG672643-4 QC Sample: L1404087-06 Client ID: SB-22_3.5-5.5												
Mercury, Total	2.2	0.144	1.7	**0**	Q	-	-		80-120	-		35
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG672645-3 WG672645-4 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Mercury, Total	0.25	0.171	0.64	**227**	Q	1.3	**674**	Q	80-120	**68**	Q	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672321-3 QC Sample: L1404087-08 Client ID: SOFB01_022514						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672352-3 QC Sample: L1404087-08 Client ID: SOFB01_022514					
Aluminum, Total	0.00328J	0.00238J	mg/l	NC	20
Antimony, Total	0.00071J	0.00032J	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.00028J	0.00018J	mg/l	NC	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	ND	ND	mg/l	NC	20
Chromium, Total	0.00033J	0.00031J	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	0.00016J	ND	mg/l	NC	20
Iron, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	ND	ND	mg/l	NC	20
Manganese, Total	0.00015J	ND	mg/l	NC	20
Nickel, Total	0.00011J	0.00010J	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	0.0350J	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672352-3 QC Sample: L1404087-08 Client ID: SOFB01_022514						
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.00268J	0.00303J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG672367-3 QC Sample: L1404004-02 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG672643-3 QC Sample: L1404087-06 Client ID: SB-22_3.5-5.5						
Mercury, Total	2.2	0.95	mg/kg	**79**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-01
Client ID: SB-18_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/25/14 08:45
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.90	0.90	1	-	02/28/14 13:15	107,-	JO
Solids, Total	88.8		%	0.100	NA	1	-	02/26/14 01:11	30,2540G	RT
Cyanide, Total	0.52	J	mg/kg	1.1	0.25	1	02/26/14 12:00	02/27/14 12:25	1,9010C/9012B	JO
Chromium, Hexavalent	0.20	J	mg/kg	0.90	0.18	1	02/26/14 20:15	02/27/14 18:05	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-02
Client ID: SB-18_8-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/25/14 08:55
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.96	0.96	1	-	02/28/14 13:15	107,-	JO
Solids, Total	83.3		%	0.100	NA	1	-	02/26/14 01:11	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	02/26/14 12:00	02/27/14 12:26	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.96	0.19	1	02/26/14 20:15	02/27/14 18:06	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-03
Client ID: SB-21_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/25/14 10:35
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.86	0.86	1	-	02/28/14 13:15	107,-	JO
Solids, Total	93.3		%	0.100	NA	1	-	02/26/14 01:11	30,2540G	RT
Cyanide, Total	ND		mg/kg	2.1	0.48	2	02/26/14 12:00	02/27/14 13:11	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	02/26/14 20:15	02/27/14 18:08	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-04
Client ID: SB-21_3.5-5.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/25/14 10:45
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	9.6		mg/kg	0.91	0.91	1	-	02/28/14 13:15	107,-	JO
Solids, Total	87.8		%	0.100	NA	1	-	02/26/14 01:11	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	02/26/14 12:00	02/27/14 12:28	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.91	0.18	1	02/26/14 20:15	02/27/14 18:09	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-05
Client ID: SB-22_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/25/14 13:30
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	170		mg/kg	0.87	0.87	1	-	02/28/14 13:15	107,-	JO
Solids, Total	91.5		%	0.100	NA	1	-	02/26/14 01:11	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	02/26/14 12:00	02/27/14 12:28	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	02/26/14 20:15	02/27/14 18:10	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-06
Client ID: SB-22_3.5-5.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/25/14 13:40
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	17		mg/kg	0.89	0.89	1	-	02/28/14 13:15	107,-	JO
Solids, Total	89.4		%	0.100	NA	1	-	02/26/14 01:11	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	02/26/14 12:00	02/27/14 13:12	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.89	0.18	1	02/26/14 20:15	02/27/14 18:11	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-07
Client ID: SB-22_6-8
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/25/14 13:50
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.95	0.95	1	-	02/28/14 13:15	107,-	JO
Solids, Total	83.8		%	0.100	NA	1	-	02/26/14 01:11	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	02/26/14 12:00	02/27/14 13:12	1,9010C/9012B	JO
Chromium, Hexavalent	0.56	J	mg/kg	0.95	0.19	1	02/26/14 20:15	02/27/14 18:12	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

SAMPLE RESULTS

Lab ID: L1404087-08
Client ID: SOFB01_022514
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 02/25/14 16:45
Date Received: 02/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	02/28/14 13:30	107,-	JO
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	02/26/14 09:00	02/27/14 13:58	30,4500CN-CE	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	02/26/14 00:40	02/26/14 00:50	1,7196A	EL

Project Name: GREENPOINT LANDING **Lab Number:** L1404087

Project Number: 170229002 **Report Date:** 03/04/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG672294-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	02/26/14 00:40	02/26/14 00:49	1,7196A	EL
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG672343-1										
Cyanide, Total	ND		mg/kg	0.88	0.21	1	02/26/14 12:00	02/27/14 12:22	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG672344-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	02/26/14 09:00	02/27/14 13:20	30,4500CN-CE	JO
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG672500-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	02/26/14 20:15	02/27/14 18:01	1,7196A	JT

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG672294-2								
Chromium, Hexavalent	96		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG672343-2 WG672343-3								
Cyanide, Total	100		101		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG672344-2								
Cyanide, Total	101		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG672500-2								
Chromium, Hexavalent	104		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672294-4 QC Sample: L1404087-08 Client ID: SOFB01_022514												
Chromium, Hexavalent	ND	0.1	0.102	102		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672343-4 WG672343-5 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Cyanide, Total	ND	11	11	97		12	100		65-135	9		35
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672344-3 QC Sample: L1404053-02 Client ID: MS Sample												
Cyanide, Total	0.031	0.2	0.238	103		-	-		90-110	-		30
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672500-5 WG672500-6 QC Sample: L1404087-07 Client ID: SB-22_6-8												
Chromium, Hexavalent	0.56J	1460	1400	96		1500	95		75-125	7		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672294-3 QC Sample: L1404087-08 Client ID: SOFB01_022514						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672303-1 QC Sample: L1404087-01 Client ID: SB-18_0-2						
Solids, Total	88.8	88.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG672344-4 QC Sample: L1404053-02 Client ID: DUP Sample						
Cyanide, Total	0.031	0.041	mg/l	27		30

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/25/2014 23:54

Cooler Information	Custody Seal
Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404087-01A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-01B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-01C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-01D	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-01E	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-01F	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1404087-01X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-01Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-01Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-02A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404087-02B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-02C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-02D	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-02E	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-02F	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1404087-02X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-02Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-02Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-03A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-03B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-03C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-03D	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404087-03E	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-03F	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1404087-03X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-03Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-03Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-04A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-04B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-04C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-04D	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-04E	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-04F	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1404087-04X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404087-04Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-04Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-05A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-05B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-05C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-05D	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-05E	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-05F	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1404087-05X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-05Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-05Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-06A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-06B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-06C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404087-06D	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-06E	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-06F	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1404087-06X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-06Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-06Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-07A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-07A1	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-07B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-07B1	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-07C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1404087-07C1	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404087-07D	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-07D1	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-07E	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404087-07E1	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404087
Report Date: 03/04/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404087-07F	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1404087-07F1	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1404087-07X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-07Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-07Y1	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-07Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1404087-08A	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404087-08B	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404087-08C	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404087-08D	Plastic 500ml HNO3 preserved	B	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404087-08E	Plastic 250ml NaOH preserved	B	>12	2.8	Y	Absent	TCN-4500(14)
L1404087-08F	Plastic 500ml unpreserved	B	7	2.8	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1404087-08G	Amber 500ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8081(7)
L1404087-08H	Amber 500ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8081(7)
L1404087-08I	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1404087-08J	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1404087-08K	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	HERB-APA(7)
L1404087-08L	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	HERB-APA(7)
L1404087-08M	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404087-08N	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404087-09A	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404087-09B	Vial HCl preserved	B	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404087
Project Number:	170229002	**Report Date:**	03/04/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404087
Project Number:	170229002	**Report Date:**	03/04/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1404087
Project Number: 170229002 **Report Date:** 03/04/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone, MEK), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Revised COC - mmm 3/4/14

SOIL

Serial_No:03041416:44

CHAIN OF CUSTODY

PAGE 1 OF

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/25/14

ALPHA Job #: L1404087

Client Information

Client: LANGAN D.P.C.

Address:

Phone:

Fax:

Email: gwy@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAYGOLDETSKY

ALPHA Quote #: 2014148

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/4/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC

Criteria: PART 375 UNSCO/CP-51 SCO'S

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDD'S
2) PROVIDE ASP CATEGORY B DELIVERABLES

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TAL LIST VOCS	SVOCS	PCBS	PESTS	HERBS	METALS	CYANIDE	SULFIDE	HEX CHROMIUM	TOTAL # BOTTLES	Sample Specific Comments
04087.01	SB-18_0-2	2/25/14	8:45	SOIL	[illegible]	X	X	X	X	X	X	X	X	X		(3) ENT., (2) L6. AMBERS
.02	SB-18_8-10		8:55			X	X	X	X	X	X	X	X	X		
.03	SB-21_0-2		10:35			X	X	X	X	X	X	X	X	X		
.04	SB-21_3.5-5.5		10:45			X	X	X	X	X	X	X	X	X		
.05	SB-22_0-2		13:30			X	X	X	X	X	X	X	X	X		
.06	SB-22_3.5-5.5		13:50			X	X	X	X	X	X	X	X	X		
.07	SB-22_6-8_MS		13:50			X	X	X	X	X	X	X	X	X		
-07 ~~.08~~	SB-22_6-8_MSD		13:50			X	X	X	X	X	X	X	X	X		
-08 ~~.09~~	SOFB01_022514		16:45	AQ.		X	X	X	X	X	X	X	X	X		(6) L6. AMBERS, (2) 500 ML AMB., (2) PLASTIC 500 ML, (1) 250 ML PLASTIC
-09 ~~.10~~	SOTB02_022514	-	-	AQ.		X										(3) VOA'S

Container Type: ENC.

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	2/25/14 1700	[illegible]	2-25-14 1700
[illegible]	2-25-14 1849	[illegible]	2-25-14 1849
[illegible]	2-25-14 23:05	[illegible]	2/25/14 23:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

SOIL

Serial_No:03041416:44

CHAIN OF CUSTODY

PAGE 1 OF

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/25/14

ALPHA Job #: L1404087

Client Information

Client: LANGAN D.P.C.

Address:

Phone:

Fax:

Email: gwy@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAYGOLD DETSKY

ALPHA Quote #: 2014148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/4/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC

Criteria: PART 375 UNSCO/CP-51 SCO'S

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDD'S
2) PROVIDE ASP CATEGORY B DELIVERABLES

ANALYSIS: TCL/TAL LIST VOCS, SVOCS, PCBS, PESTS, HERBS, METALS, CYANIDE, TAL METALS (ALUMINUM), HEX CHROMIUM

SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TAL LIST VOCS	SVOCS	PCBS	PESTS	HERBS	METALS	CYANIDE	TAL METALS (ALUMINUM)	HEX CHROMIUM	TOTAL # BOTTLES	Sample Specific Comments
04087.01	SB-18_0-2	2/25/14	8:45	SOIL		X	X	X	X	X	X	X	X	X		(3) ENT., (2) L6. AMBERS
.02	SB-18_8-10		8:55			X	X	X	X	X	X	X	X	X		
.03	SB-21_0-2		10:35			X	X	X	X	X	X	X	X	X		
.04	SB-21_3.5-5.5		10:45			X	X	X	X	X	X	X	X	X		
.05	SB-22_0-2		13:30			X	X	X	X	X	X	X	X	X		
.06	SB-22_3.5-5.5		13:50			X	X	X	X	X	X	X	X	X		
.07	SB-22_6-8_MS		13:50			X	X	X	X	X	X	X	X	X		
.08	SB-22_6-8_MSD		13:50			X	X	X	X	X	X	X	X	X		
.09	SOFB01_022514		16:45	AQ.		X	X	X	X	X	X	X	X	X		(6) L6. AMBERS, (2) 500 mL AMB., (2) PLASTIC 500 mL, (1) 250 mL PLASTIC
.10	SOTB02_022514	-	-	AQ.		X										(3) VOA'S

Container Type: GL.

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	2/25 MC 17:00		2-25-14 1700
	2-25-14 1849		2-25-14 1849
	2-25-14 23:05		2/25/14 23:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1404172
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	03/05/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404172-01	SB-19_0-2	BROOKLYN, NY	02/26/14 08:45
L1404172-02	SB-19_7-9	BROOKLYN, NY	02/26/14 08:55
L1404172-03	SB-23_0-2	BROOKLYN, NY	02/26/14 11:20
L1404172-04	SB-23_6.5-8.5	BROOKLYN, NY	02/26/14 11:30
L1404172-05	SB-24_0-2	BROOKLYN, NY	02/26/14 13:55
L1404172-06	SB-24_5.5-7.5	BROOKLYN, NY	02/26/14 14:05
L1404172-07	SODUP02_7-9	BROOKLYN, NY	02/26/14 00:00
L1404172-08	SOTB03_022614	BROOKLYN, NY	02/26/14 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1404172
Project Number: 170229002 **Report Date:** 03/05/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1404172
Project Number: 170229002 **Report Date:** 03/05/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1404172-01 and -03 have elevated detection limits due to the dilutions required by the sample matrices.

Pesticides

L1404172-04 and -05 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1404172-01 through -07 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 03/05/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-01	Date Collected:	02/26/14 08:45
Client ID:	SB-19_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/28/14 12:37		
Analyst:	MV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.28	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-01 Date Collected: 02/26/14 08:45

Client ID: SB-19_0-2 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	3.8	J	ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.56	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.26	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.9	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.9	0.91	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
Methyl Acetate	ND		ug/kg	24	0.90	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-01	Date Collected:	02/26/14 08:45
Client ID:	SB-19_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.32	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-02	Date Collected:	02/26/14 08:55
Client ID:	SB-19_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/28/14 13:05		
Analyst:	MV		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.7	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.17	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.97	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.97	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.97	0.14	1
Chlorobenzene	ND		ug/kg	0.97	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.97	0.11	1
Bromodichloromethane	ND		ug/kg	0.97	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.97	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.44	1
Bromoform	ND		ug/kg	3.9	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.97	0.17	1
Benzene	ND		ug/kg	0.97	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	4.9	0.76	1
Bromomethane	ND		ug/kg	1.9	0.33	1
Vinyl chloride	ND		ug/kg	1.9	0.14	1
Chloroethane	ND		ug/kg	1.9	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.97	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-02 Date Collected: 02/26/14 08:55

Client ID: SB-19_7-9 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.9	0.10	1
p/m-Xylene	ND		ug/kg	1.9	0.31	1
o-Xylene	ND		ug/kg	1.9	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.14	1
Dibromomethane	ND		ug/kg	9.7	0.16	1
Styrene	ND		ug/kg	1.9	0.30	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.21	1
Acetone	12		ug/kg	9.7	3.0	1
Carbon disulfide	ND		ug/kg	9.7	1.9	1
2-Butanone	1.3	J	ug/kg	9.7	0.35	1
Vinyl acetate	ND		ug/kg	9.7	0.47	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.7	0.22	1
2-Hexanone	ND		ug/kg	9.7	0.18	1
Bromochloromethane	ND		ug/kg	4.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.97	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.20	1
n-Butylbenzene	ND		ug/kg	0.97	0.19	1
sec-Butylbenzene	ND		ug/kg	0.97	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.77	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.41	1
Isopropylbenzene	ND		ug/kg	0.97	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.19	1
Naphthalene	ND		ug/kg	4.9	0.75	1
Acrylonitrile	ND		ug/kg	9.7	0.23	1
n-Propylbenzene	ND		ug/kg	0.97	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.77	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.56	1
Methyl Acetate	ND		ug/kg	19	0.74	1
Cyclohexane	ND		ug/kg	19	1.0	1
1,4-Dioxane	ND		ug/kg	97	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-02	Date Collected:	02/26/14 08:55
Client ID:	SB-19_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	19	0.27	1
p-Diethylbenzene	ND		ug/kg	3.9	0.16	1
p-Ethyltoluene	ND		ug/kg	3.9	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.44	1
Methyl cyclohexane	ND		ug/kg	3.9	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-03	Date Collected:	02/26/14 11:20
Client ID:	SB-23_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/28/14 13:33		
Analyst:	MV		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.24	1
Chloroform	ND		ug/kg	2.1	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.42	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.9	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	6.9	0.63	1
Bromoform	ND		ug/kg	5.5	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.1	0.15	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	6.9	1.1	1
Bromomethane	ND		ug/kg	2.8	0.47	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	6.9	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.9	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.9	0.33	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-03 Date Collected: 02/26/14 11:20

Client ID: SB-23_0-2 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.14	1
p/m-Xylene	ND		ug/kg	2.8	0.44	1
o-Xylene	ND		ug/kg	2.8	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.8	0.43	1
Dichlorodifluoromethane	ND		ug/kg	14	0.30	1
Acetone	ND		ug/kg	14	4.3	1
Carbon disulfide	ND		ug/kg	14	2.8	1
2-Butanone	ND		ug/kg	14	0.49	1
Vinyl acetate	ND		ug/kg	14	0.66	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.31	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	6.9	0.27	1
2,2-Dichloropropane	ND		ug/kg	6.9	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	6.9	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.27	1
sec-Butylbenzene	ND		ug/kg	1.4	0.28	1
tert-Butylbenzene	ND		ug/kg	6.9	0.77	1
o-Chlorotoluene	ND		ug/kg	6.9	0.22	1
p-Chlorotoluene	ND		ug/kg	6.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.9	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.9	0.58	1
Isopropylbenzene	ND		ug/kg	1.4	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.26	1
Naphthalene	ND		ug/kg	6.9	1.1	1
Acrylonitrile	ND		ug/kg	14	0.33	1
n-Propylbenzene	ND		ug/kg	1.4	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.9	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.9	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.9	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.9	0.79	1
Methyl Acetate	ND		ug/kg	28	1.0	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	24.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-03	Date Collected:	02/26/14 11:20
Client ID:	SB-23_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.38	1
p-Diethylbenzene	ND		ug/kg	5.5	0.22	1
p-Ethyltoluene	ND		ug/kg	5.5	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.18	1
Ethyl ether	ND		ug/kg	6.9	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	0.62	1
Methyl cyclohexane	ND		ug/kg	5.5	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-04	Date Collected:	02/26/14 11:30
Client ID:	SB-23_6.5-8.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/28/14 14:01		
Analyst:	MV		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.27	1
Chloroform	ND		ug/kg	2.3	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.46	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.5	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.5	0.69	1
Bromoform	ND		ug/kg	6.0	0.63	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.26	1
Benzene	1.7		ug/kg	1.5	0.18	1
Toluene	3.8		ug/kg	2.3	0.17	1
Ethylbenzene	2.3		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.5	1.2	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.32	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	7.5	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-04 Date Collected: 02/26/14 11:30

Client ID: SB-23_6.5-8.5 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.16	1
p/m-Xylene	7.5		ug/kg	3.0	0.49	1
o-Xylene	5.4		ug/kg	3.0	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.25	1
Styrene	ND		ug/kg	3.0	0.47	1
Dichlorodifluoromethane	ND		ug/kg	15	0.33	1
Acetone	20		ug/kg	15	4.7	1
Carbon disulfide	ND		ug/kg	15	3.0	1
2-Butanone	2.7	J	ug/kg	15	0.54	1
Vinyl acetate	ND		ug/kg	15	0.72	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.34	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	7.5	0.34	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.5	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.5	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.30	1
sec-Butylbenzene	ND		ug/kg	1.5	0.31	1
tert-Butylbenzene	ND		ug/kg	7.5	0.85	1
o-Chlorotoluene	ND		ug/kg	7.5	0.24	1
p-Chlorotoluene	ND		ug/kg	7.5	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.64	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.29	1
Naphthalene	200		ug/kg	7.5	1.2	1
Acrylonitrile	ND		ug/kg	15	0.36	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	1.2	1
1,3,5-Trimethylbenzene	2.8	J	ug/kg	7.5	0.22	1
1,2,4-Trimethylbenzene	6.3	J	ug/kg	7.5	0.86	1
Methyl Acetate	ND		ug/kg	30	1.2	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-04	Date Collected:	02/26/14 11:30
Client ID:	SB-23_6.5-8.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.41	1
p-Diethylbenzene	ND		ug/kg	6.0	0.24	1
p-Ethyltoluene	3.3	J	ug/kg	6.0	0.18	1
1,2,4,5-Tetramethylbenzene	0.54	J	ug/kg	6.0	0.20	1
Ethyl ether	ND		ug/kg	7.5	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	0.68	1
Methyl cyclohexane	ND		ug/kg	6.0	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-05	Date Collected:	02/26/14 13:55
Client ID:	SB-24_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/28/14 11:12		
Analyst:	MV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	810	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	30.	1
Carbon tetrachloride	ND		ug/kg	81	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	81	25.	1
1,1,2-Trichloroethane	ND		ug/kg	120	24.	1
Tetrachloroethene	ND		ug/kg	81	11.	1
Chlorobenzene	ND		ug/kg	81	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.8	1
1,2-Dichloroethane	ND		ug/kg	81	12.	1
1,1,1-Trichloroethane	ND		ug/kg	81	9.0	1
Bromodichloromethane	ND		ug/kg	81	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	81	9.8	1
cis-1,3-Dichloropropene	ND		ug/kg	81	10.	1
1,1-Dichloropropene	ND		ug/kg	400	37.	1
Bromoform	ND		ug/kg	320	34.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	81	14.	1
Benzene	ND		ug/kg	81	9.5	1
Toluene	19	J	ug/kg	120	9.0	1
Ethylbenzene	ND		ug/kg	81	12.	1
Chloromethane	ND		ug/kg	400	63.	1
Bromomethane	ND		ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	26.	1
1,1-Dichloroethene	ND		ug/kg	81	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	ND		ug/kg	81	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	15.	1
1,3-Dichlorobenzene	ND		ug/kg	400	15.	1
1,4-Dichlorobenzene	ND		ug/kg	400	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-05 Date Collected: 02/26/14 13:55

Client ID: SB-24_0-2 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.4	1
p/m-Xylene	ND		ug/kg	160	26.	1
o-Xylene	ND		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	81	12.	1
Dibromomethane	ND		ug/kg	810	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	810	18.	1
Acetone	ND		ug/kg	810	250	1
Carbon disulfide	ND		ug/kg	810	160	1
2-Butanone	ND		ug/kg	810	29.	1
Vinyl acetate	ND		ug/kg	810	39.	1
4-Methyl-2-pentanone	ND		ug/kg	810	20.	1
1,2,3-Trichloropropane	ND		ug/kg	810	18.	1
2-Hexanone	ND		ug/kg	810	15.	1
Bromochloromethane	ND		ug/kg	400	16.	1
2,2-Dichloropropane	ND		ug/kg	400	18.	1
1,2-Dibromoethane	ND		ug/kg	320	14.	1
1,3-Dichloropropane	ND		ug/kg	400	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	81	26.	1
Bromobenzene	ND		ug/kg	400	17.	1
n-Butylbenzene	ND		ug/kg	81	16.	1
sec-Butylbenzene	ND		ug/kg	81	17.	1
tert-Butylbenzene	ND		ug/kg	400	45.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	64.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	ND		ug/kg	81	14.	1
p-Isopropyltoluene	ND		ug/kg	81	15.	1
Naphthalene	5300		ug/kg	400	62.	1
Acrylonitrile	ND		ug/kg	810	19.	1
n-Propylbenzene	ND		ug/kg	81	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	64.	1
1,3,5-Trimethylbenzene	ND		ug/kg	400	12.	1
1,2,4-Trimethylbenzene	61	J	ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	62.	1
Cyclohexane	ND		ug/kg	1600	87.	1
1,4-Dioxane	ND		ug/kg	8100	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-05	Date Collected:	02/26/14 13:55
Client ID:	SB-24_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	110	J	ug/kg	320	13.	1
p-Ethyltoluene	60	J	ug/kg	320	9.4	1
1,2,4,5-Tetramethylbenzene	22	J	ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	ND		ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-06	Date Collected:	02/26/14 14:05
Client ID:	SB-24_5.5-7.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/28/14 14:29		
Analyst:	MV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17	3.5	1
1,1-Dichloroethane	ND		ug/kg	2.6	0.31	1
Chloroform	ND		ug/kg	2.6	0.64	1
Carbon tetrachloride	ND		ug/kg	1.7	0.36	1
1,2-Dichloropropane	ND		ug/kg	6.1	0.40	1
Dibromochloromethane	ND		ug/kg	1.7	0.53	1
1,1,2-Trichloroethane	ND		ug/kg	2.6	0.53	1
Tetrachloroethene	ND		ug/kg	1.7	0.24	1
Chlorobenzene	ND		ug/kg	1.7	0.60	1
Trichlorofluoromethane	ND		ug/kg	8.7	0.21	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	0.19	1
Bromodichloromethane	ND		ug/kg	1.7	0.40	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.7	0.22	1
1,1-Dichloropropene	ND		ug/kg	8.7	0.79	1
Bromoform	ND		ug/kg	6.9	0.72	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.7	0.30	1
Benzene	ND		ug/kg	1.7	0.20	1
Toluene	ND		ug/kg	2.6	0.19	1
Ethylbenzene	ND		ug/kg	1.7	0.26	1
Chloromethane	ND		ug/kg	8.7	1.4	1
Bromomethane	ND		ug/kg	3.5	0.58	1
Vinyl chloride	ND		ug/kg	3.5	0.24	1
Chloroethane	ND		ug/kg	3.5	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.37	1
Trichloroethene	ND		ug/kg	1.7	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	8.7	0.32	1
1,3-Dichlorobenzene	ND		ug/kg	8.7	0.32	1
1,4-Dichlorobenzene	ND		ug/kg	8.7	0.42	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-06 Date Collected: 02/26/14 14:05

Client ID: SB-24_5.5-7.5 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.5	0.18	1
p/m-Xylene	ND		ug/kg	3.5	0.56	1
o-Xylene	ND		ug/kg	3.5	0.47	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.26	1
Dibromomethane	ND		ug/kg	17	0.28	1
Styrene	ND		ug/kg	3.5	0.54	1
Dichlorodifluoromethane	ND		ug/kg	17	0.38	1
Acetone	13	J	ug/kg	17	5.4	1
Carbon disulfide	ND		ug/kg	17	3.5	1
2-Butanone	ND		ug/kg	17	0.62	1
Vinyl acetate	ND		ug/kg	17	0.83	1
4-Methyl-2-pentanone	ND		ug/kg	17	0.42	1
1,2,3-Trichloropropane	ND		ug/kg	17	0.39	1
2-Hexanone	ND		ug/kg	17	0.32	1
Bromochloromethane	ND		ug/kg	8.7	0.34	1
2,2-Dichloropropane	ND		ug/kg	8.7	0.39	1
1,2-Dibromoethane	ND		ug/kg	6.9	0.31	1
1,3-Dichloropropane	ND		ug/kg	8.7	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.7	0.55	1
Bromobenzene	ND		ug/kg	8.7	0.36	1
n-Butylbenzene	ND		ug/kg	1.7	0.34	1
sec-Butylbenzene	ND		ug/kg	1.7	0.36	1
tert-Butylbenzene	ND		ug/kg	8.7	0.97	1
o-Chlorotoluene	ND		ug/kg	8.7	0.28	1
p-Chlorotoluene	ND		ug/kg	8.7	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.7	1.4	1
Hexachlorobutadiene	ND		ug/kg	8.7	0.73	1
Isopropylbenzene	ND		ug/kg	1.7	0.29	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.33	1
Naphthalene	ND		ug/kg	8.7	1.3	1
Acrylonitrile	ND		ug/kg	17	0.41	1
n-Propylbenzene	ND		ug/kg	1.7	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.7	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.7	1.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.7	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.7	0.99	1
Methyl Acetate	ND		ug/kg	35	1.3	1
Cyclohexane	ND		ug/kg	35	1.8	1
1,4-Dioxane	ND		ug/kg	170	30.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-06	Date Collected:	02/26/14 14:05
Client ID:	SB-24_5.5-7.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	35	0.47	1
p-Diethylbenzene	ND		ug/kg	6.9	0.28	1
p-Ethyltoluene	ND		ug/kg	6.9	0.20	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.9	0.22	1
Ethyl ether	ND		ug/kg	8.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.7	0.78	1
Methyl cyclohexane	ND		ug/kg	6.9	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-07	Date Collected:	02/26/14 00:00
Client ID:	SODUP02_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	02/28/14 14:57		
Analyst:	MV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.49	1
Bromoform	ND		ug/kg	4.3	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.84	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-07 Date Collected: 02/26/14 00:00

Client ID: SODUP02_7-9 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.35	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	12		ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.60	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.85	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	ND		ug/kg	5.4	0.83	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.85	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
Methyl Acetate	ND		ug/kg	21	0.82	1
Cyclohexane	ND		ug/kg	21	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-07	Date Collected:	02/26/14 00:00
Client ID:	SODUP02_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.48	1
Methyl cyclohexane	ND		ug/kg	4.3	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-08	Date Collected:	02/26/14 00:00
Client ID:	SOTB03_022614	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/03/14 19:49		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-08 Date Collected: 02/26/14 00:00

Client ID: SOTB03_022614 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-08	Date Collected:	02/26/14 00:00
Client ID:	SOTB03_022614	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	117		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/14 10:45
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,06-07 Batch: WG672976-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.26	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/14 10:45
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,06-07 Batch: WG672976-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/14 10:45
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04,06-07 Batch: WG672976-3					
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/14 10:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG673167-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	15.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/14 10:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG673167-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/28/14 10:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG673167-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/03/14 12:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG673377-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/03/14 12:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG673377-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/03/14 12:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG673377-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG672976-1 WG672976-2								
Methylene chloride	94		94		70-130	0		30
1,1-Dichloroethane	88		89		70-130	1		30
Chloroform	88		87		70-130	1		30
Carbon tetrachloride	86		87		70-130	1		30
1,2-Dichloropropane	92		94		70-130	2		30
Dibromochloromethane	89		91		70-130	2		30
1,1,2-Trichloroethane	90		92		70-130	2		30
Tetrachloroethene	88		84		70-130	5		30
Chlorobenzene	86		88		70-130	2		30
Trichlorofluoromethane	99		99		70-139	0		30
1,2-Dichloroethane	86		86		70-130	0		30
1,1,1-Trichloroethane	85		85		70-130	0		30
Bromodichloromethane	91		94		70-130	3		30
trans-1,3-Dichloropropene	90		90		70-130	0		30
cis-1,3-Dichloropropene	95		95		70-130	0		30
1,1-Dichloropropene	87		87		70-130	0		30
Bromoform	82		88		70-130	7		30
1,1,2,2-Tetrachloroethane	88		94		70-130	7		30
Benzene	90		87		70-130	3		30
Toluene	85		86		70-130	1		30
Ethylbenzene	85		86		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG672976-1 WG672976-2								
Chloromethane	90		87		52-130	3		30
Bromomethane	98		96		57-147	2		30
Vinyl chloride	92		91		67-130	1		30
Chloroethane	106		100		50-151	6		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	91		90		70-130	1		30
Trichloroethene	87		89		70-130	2		30
1,2-Dichlorobenzene	86		88		70-130	2		30
1,3-Dichlorobenzene	86		87		70-130	1		30
1,4-Dichlorobenzene	86		86		70-130	0		30
Methyl tert butyl ether	95		98		66-130	3		30
p/m-Xylene	86		86		70-130	0		30
o-Xylene	85		85		70-130	0		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	92		94		70-130	2		30
Styrene	85		85		70-130	0		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	102		107		54-140	5		30
Carbon disulfide	85		85		59-130	0		30
2-Butanone	90		89		70-130	1		30
Vinyl acetate	89		92		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG672976-1 WG672976-2								
4-Methyl-2-pentanone	95		99		70-130	4		30
1,2,3-Trichloropropane	88		91		68-130	3		30
2-Hexanone	86		92		70-130	7		30
Bromochloromethane	96		95		70-130	1		30
2,2-Dichloropropane	85		84		70-130	1		30
1,2-Dibromoethane	90		91		70-130	1		30
1,3-Dichloropropane	88		90		69-130	2		30
1,1,1,2-Tetrachloroethane	88		88		70-130	0		30
Bromobenzene	86		92		70-130	7		30
n-Butylbenzene	84		87		70-130	4		30
sec-Butylbenzene	84		89		70-130	6		30
tert-Butylbenzene	85		87		70-130	2		30
o-Chlorotoluene	85		85		70-130	0		30
p-Chlorotoluene	85		86		70-130	1		30
1,2-Dibromo-3-chloropropane	84		88		68-130	5		30
Hexachlorobutadiene	84		84		67-130	0		30
Isopropylbenzene	83		87		70-130	5		30
p-Isopropyltoluene	85		86		70-130	1		30
Naphthalene	82		87		70-130	6		30
Acrylonitrile	94		97		70-130	3		30
Isopropyl Ether	88		89		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG672976-1 WG672976-2								
tert-Butyl Alcohol	91		96		70-130	5		30
n-Propylbenzene	85		87		70-130	2		30
1,2,3-Trichlorobenzene	84		87		70-130	4		30
1,2,4-Trichlorobenzene	87		86		70-130	1		30
1,3,5-Trimethylbenzene	86		88		70-130	2		30
1,2,4-Trimethylbenzene	87		91		70-130	4		30
Methyl Acetate	93		96		51-146	3		30
Ethyl Acetate	89		93		70-130	4		30
Acrolein	95		100		70-130	5		30
Cyclohexane	90		89		59-142	1		30
1,4-Dioxane	92		97		65-136	5		30
Freon-113	94		93		50-139	1		30
p-Diethylbenzene	84		86		70-130	2		30
p-Ethyltoluene	86		90		70-130	5		30
1,2,4,5-Tetramethylbenzene	85		86		70-130	1		30
Tetrahydrofuran	97		103		66-130	6		30
Ethyl ether	98		95		67-130	3		30
trans-1,4-Dichloro-2-butene	93		100		70-130	7		30
Methyl cyclohexane	92		93		70-130	1		30
Ethyl-Tert-Butyl-Ether	90		91		70-130	1		30
Tertiary-Amyl Methyl Ether	90		90		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG672976-1 WG672976-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		88		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	97		103		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG673167-1 WG673167-2								
Methylene chloride	114		113		70-130	1		30
1,1-Dichloroethane	107		107		70-130	0		30
Chloroform	106		107		70-130	1		30
Carbon tetrachloride	107		108		70-130	1		30
1,2-Dichloropropane	105		105		70-130	0		30
Dibromochloromethane	89		90		70-130	1		30
1,1,2-Trichloroethane	93		97		70-130	4		30
Tetrachloroethene	89		90		70-130	1		30
Chlorobenzene	91		92		70-130	1		30
Trichlorofluoromethane	114		114		70-139	0		30
1,2-Dichloroethane	110		109		70-130	1		30
1,1,1-Trichloroethane	103		103		70-130	0		30
Bromodichloromethane	104		105		70-130	1		30
trans-1,3-Dichloropropene	90		93		70-130	3		30
cis-1,3-Dichloropropene	100		100		70-130	0		30
1,1-Dichloropropene	106		106		70-130	0		30
Bromoform	83		86		70-130	4		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	103		103		70-130	0		30
Toluene	89		91		70-130	2		30
Ethylbenzene	90		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG673167-1 WG673167-2								
Chloromethane	98		99		52-130	1		30
Bromomethane	138		135		57-147	2		30
Vinyl chloride	104		103		67-130	1		30
Chloroethane	119		120		50-151	1		30
1,1-Dichloroethene	103		102		65-135	1		30
trans-1,2-Dichloroethene	102		104		70-130	2		30
Trichloroethene	105		105		70-130	0		30
1,2-Dichlorobenzene	88		90		70-130	2		30
1,3-Dichlorobenzene	89		92		70-130	3		30
1,4-Dichlorobenzene	92		93		70-130	1		30
Methyl tert butyl ether	95		98		66-130	3		30
p/m-Xylene	90		91		70-130	1		30
o-Xylene	87		89		70-130	2		30
cis-1,2-Dichloroethene	102		103		70-130	1		30
Dibromomethane	107		107		70-130	0		30
Styrene	87		90		70-130	3		30
Dichlorodifluoromethane	90		90		30-146	0		30
Acetone	122		116		54-140	5		30
Carbon disulfide	106		105		59-130	1		30
2-Butanone	100		100		70-130	0		30
Vinyl acetate	95		98		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG673167-1 WG673167-2								
4-Methyl-2-pentanone	93		92		70-130	1		30
1,2,3-Trichloropropane	94		93		68-130	1		30
2-Hexanone	70		75		70-130	7		30
Bromochloromethane	104		106		70-130	2		30
2,2-Dichloropropane	103		101		70-130	2		30
1,2-Dibromoethane	90		92		70-130	2		30
1,3-Dichloropropane	92		94		69-130	2		30
1,1,1,2-Tetrachloroethane	88		89		70-130	1		30
Bromobenzene	85		87		70-130	2		30
n-Butylbenzene	99		101		70-130	2		30
sec-Butylbenzene	91		93		70-130	2		30
tert-Butylbenzene	86		88		70-130	2		30
o-Chlorotoluene	98		100		70-130	2		30
p-Chlorotoluene	92		94		70-130	2		30
1,2-Dibromo-3-chloropropane	84		90		68-130	7		30
Hexachlorobutadiene	84		88		67-130	5		30
Isopropylbenzene	86		88		70-130	2		30
p-Isopropyltoluene	90		92		70-130	2		30
Naphthalene	83		90		70-130	8		30
Acrylonitrile	107		106		70-130	1		30
Isopropyl Ether	98		99		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG673167-1 WG673167-2								
tert-Butyl Alcohol	91		95		70-130	4		30
n-Propylbenzene	91		94		70-130	3		30
1,2,3-Trichlorobenzene	87		90		70-130	3		30
1,2,4-Trichlorobenzene	90		95		70-130	5		30
1,3,5-Trimethylbenzene	90		91		70-130	1		30
1,2,4-Trimethylbenzene	90		92		70-130	2		30
Methyl Acetate	101		102		51-146	1		30
Ethyl Acetate	89		91		70-130	2		30
Acrolein	95		95		70-130	0		30
Cyclohexane	103		106		59-142	3		30
1,4-Dioxane	98		105		65-136	7		30
Freon-113	110		110		50-139	0		30
p-Diethylbenzene	93		95		70-130	2		30
p-Ethyltoluene	92		93		70-130	1		30
1,2,4,5-Tetramethylbenzene	87		90		70-130	3		30
Tetrahydrofuran	95		92		66-130	3		30
Ethyl ether	101		104		67-130	3		30
trans-1,4-Dichloro-2-butene	98		98		70-130	0		30
Methyl cyclohexane	104		105		70-130	1		30
Ethyl-Tert-Butyl-Ether	96		98		70-130	2		30
Tertiary-Amyl Methyl Ether	92		94		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG673167-1 WG673167-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	92		94		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	106		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG673377-1 WG673377-2								
Methylene chloride	98		98		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	102		102		70-130	0		20
2-Chloroethylvinyl ether	98		102		70-130	4		20
Carbon tetrachloride	101		100		63-132	1		20
1,2-Dichloropropane	98		99		70-130	1		20
Dibromochloromethane	97		99		63-130	2		20
1,1,2-Trichloroethane	101		103		70-130	2		20
Tetrachloroethene	96		97		70-130	1		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	102		101		62-150	1		20
1,2-Dichloroethane	100		102		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	100		103		70-130	3		20
cis-1,3-Dichloropropene	85		86		70-130	1		20
1,1-Dichloropropene	102		103		70-130	1		20
Bromoform	93		96		54-136	3		20
1,1,2,2-Tetrachloroethane	92		96		67-130	4		20
Benzene	102		103		70-130	1		20
Toluene	100		101		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG673377-1 WG673377-2								
Ethylbenzene	104		104		70-130	0		20
Chloromethane	92		93		64-130	1		20
Bromomethane	86		91		39-139	6		20
Vinyl chloride	95		96		55-140	1		20
Chloroethane	91		94		55-138	3		20
1,1-Dichloroethene	99		99		61-145	0		20
trans-1,2-Dichloroethene	99		96		70-130	3		20
Trichloroethene	101		102		70-130	1		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	94		96		70-130	2		20
Methyl tert butyl ether	96		97		63-130	1		20
p/m-Xylene	107		107		70-130	0		20
o-Xylene	98		99		70-130	1		20
cis-1,2-Dichloroethene	100		103		70-130	3		20
Dibromomethane	97		100		70-130	3		20
1,2,3-Trichloropropane	94		97		64-130	3		20
Acrylonitrile	92		96		70-130	4		20
Isopropyl Ether	93		98		70-130	5		20
tert-Butyl Alcohol	103		104		70-130	1		20
Styrene	100		102		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG673377-1 WG673377-2								
Dichlorodifluoromethane	96		96		36-147	0		20
Acetone	97		91		58-148	6		20
Carbon disulfide	98		97		51-130	1		20
2-Butanone	94		96		63-138	2		20
Vinyl acetate	100		104		70-130	4		20
4-Methyl-2-pentanone	77		80		59-130	4		20
2-Hexanone	74		77		57-130	4		20
Acrolein	94		91		40-160	3		20
Bromochloromethane	102		103		70-130	1		20
2,2-Dichloropropane	101		101		63-133	0		20
1,2-Dibromoethane	97		100		70-130	3		20
1,3-Dichloropropane	99		102		70-130	3		20
1,1,1,2-Tetrachloroethane	98		99		64-130	1		20
Bromobenzene	95		98		70-130	3		20
n-Butylbenzene	104		105		53-136	1		20
sec-Butylbenzene	96		96		70-130	0		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	104		105		70-130	1		20
p-Chlorotoluene	104		105		70-130	1		20
1,2-Dibromo-3-chloropropane	97		99		41-144	2		20
Hexachlorobutadiene	98		98		63-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG673377-1 WG673377-2								
Isopropylbenzene	93		94		70-130	1		20
p-Isopropyltoluene	92		93		70-130	1		20
Naphthalene	75		78		70-130	4		20
n-Propylbenzene	103		104		69-130	1		20
1,2,3-Trichlorobenzene	92		94		70-130	2		20
1,2,4-Trichlorobenzene	89		90		70-130	1		20
1,3,5-Trimethylbenzene	105		106		64-130	1		20
1,2,4-Trimethylbenzene	99		100		70-130	1		20
Methyl Acetate	99		84		70-130	16		20
Ethyl Acetate	93		97		70-130	4		20
Cyclohexane	101		100		70-130	1		20
Ethyl-Tert-Butyl-Ether	100		103		70-130	3		20
Tertiary-Amyl Methyl Ether	94		96		66-130	2		20
1,4-Dioxane	112		114		56-162	2		20
Freon-113	102		101		70-130	1		20
p-Diethylbenzene	95		95		70-130	0		20
p-Ethyltoluene	104		105		70-130	1		20
1,2,4,5-Tetramethylbenzene	88		89		70-130	1		20
Ethyl ether	101		102		59-134	1		20
trans-1,4-Dichloro-2-butene	94		95		70-130	1		20
Iodomethane	101		110		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG673377-1 WG673377-2								
Methyl cyclohexane	103		103		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	102		100		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-01	D	Date Collected:	02/26/14 08:45
Client ID:	SB-19_0-2		Date Received:	02/26/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/27/14 08:56
Analytical Date:	03/03/14 15:25			
Analyst:	PS			
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	310	79.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	130	2
Hexachlorobenzene	ND		ug/kg	230	72.	2
Bis(2-chloroethyl)ether	ND		ug/kg	350	110	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	130	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	83.	2
2,6-Dinitrotoluene	ND		ug/kg	380	98.	2
Fluoranthene	2100		ug/kg	230	71.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	88.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	420	120	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	250	2
Hexachloroethane	ND		ug/kg	310	70.	2
Isophorone	ND		ug/kg	350	100	2
Naphthalene	ND		ug/kg	380	130	2
Nitrobenzene	ND		ug/kg	350	92.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	310	81.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	100	2
Butyl benzyl phthalate	ND		ug/kg	380	75.	2
Di-n-butylphthalate	ND		ug/kg	380	74.	2
Di-n-octylphthalate	ND		ug/kg	380	94.	2
Diethyl phthalate	ND		ug/kg	380	81.	2
Dimethyl phthalate	ND		ug/kg	380	98.	2
Benzo(a)anthracene	1300		ug/kg	230	75.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-01 D Date Collected: 02/26/14 08:45
Client ID: SB-19_0-2 Date Received: 02/26/14
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1600		ug/kg	310	94.	2
Benzo(b)fluoranthene	1800		ug/kg	230	78.	2
Benzo(k)fluoranthene	800		ug/kg	230	73.	2
Chrysene	1300		ug/kg	230	76.	2
Acenaphthylene	87	J	ug/kg	310	72.	2
Anthracene	150	J	ug/kg	230	64.	2
Benzo(ghi)perylene	1200		ug/kg	310	80.	2
Fluorene	ND		ug/kg	380	110	2
Phenanthrene	790		ug/kg	230	75.	2
Dibenzo(a,h)anthracene	270		ug/kg	230	74.	2
Indeno(1,2,3-cd)Pyrene	1200		ug/kg	310	85.	2
Pyrene	1900		ug/kg	230	75.	2
Biphenyl	ND		ug/kg	880	130	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	110	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	ND		ug/kg	380	130	2
2-Methylnaphthalene	ND		ug/kg	460	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	120	2
2,4-Dichlorophenol	ND		ug/kg	350	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	830	120	2
4-Nitrophenol	ND		ug/kg	540	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	530	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	140	2
Pentachlorophenol	ND		ug/kg	310	82.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	130	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	390	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	ND		ug/kg	380	83.	2
Benzaldehyde	ND		ug/kg	510	160	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-01	D	Date Collected:	02/26/14 08:45
Client ID:	SB-19_0-2		Date Received:	02/26/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	380	110	2
Atrazine	ND		ug/kg	310	87.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	380	65.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	61		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-02	Date Collected:	02/26/14 08:55
Client ID:	SB-19_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 08:56
Analytical Date:	03/03/14 15:53		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	120		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	67	J	ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-02 Date Collected: 02/26/14 08:55

Client ID: SB-19_7-9 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	63	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	78	J	ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	74	J	ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	44	J	ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	63	J	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	46	J	ug/kg	150	43.	1
Pyrene	110	J	ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-02	Date Collected:	02/26/14 08:55
Client ID:	SB-19_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	42		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	51		0-136
4-Terphenyl-d14	45		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-03	D	Date Collected:	02/26/14 11:20
Client ID:	SB-23_0-2		Date Received:	02/26/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/27/14 08:56
Analytical Date:	03/03/14 16:21			
Analyst:	PS			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	760	200	5
1,2,4-Trichlorobenzene	ND		ug/kg	950	310	5
Hexachlorobenzene	ND		ug/kg	570	180	5
Bis(2-chloroethyl)ether	ND		ug/kg	860	270	5
2-Chloronaphthalene	ND		ug/kg	950	310	5
1,2-Dichlorobenzene	ND		ug/kg	950	310	5
1,3-Dichlorobenzene	ND		ug/kg	950	300	5
1,4-Dichlorobenzene	ND		ug/kg	950	290	5
3,3'-Dichlorobenzidine	ND		ug/kg	950	250	5
2,4-Dinitrotoluene	ND		ug/kg	950	200	5
2,6-Dinitrotoluene	ND		ug/kg	950	240	5
Fluoranthene	1800		ug/kg	570	170	5
4-Chlorophenyl phenyl ether	ND		ug/kg	950	290	5
4-Bromophenyl phenyl ether	ND		ug/kg	950	220	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	330	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	290	5
Hexachlorobutadiene	ND		ug/kg	950	270	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	610	5
Hexachloroethane	ND		ug/kg	760	170	5
Isophorone	ND		ug/kg	860	250	5
Naphthalene	ND		ug/kg	950	320	5
Nitrobenzene	ND		ug/kg	860	230	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	760	200	5
n-Nitrosodi-n-propylamine	ND		ug/kg	950	280	5
Bis(2-Ethylhexyl)phthalate	260	J	ug/kg	950	250	5
Butyl benzyl phthalate	ND		ug/kg	950	180	5
Di-n-butylphthalate	ND		ug/kg	950	180	5
Di-n-octylphthalate	ND		ug/kg	950	230	5
Diethyl phthalate	ND		ug/kg	950	200	5
Dimethyl phthalate	ND		ug/kg	950	240	5
Benzo(a)anthracene	980		ug/kg	570	190	5

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-03 D Date Collected: 02/26/14 11:20

Client ID: SB-23_0-2 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1100		ug/kg	760	230	5
Benzo(b)fluoranthene	1300		ug/kg	570	190	5
Benzo(k)fluoranthene	580		ug/kg	570	180	5
Chrysene	1100		ug/kg	570	190	5
Acenaphthylene	200	J	ug/kg	760	180	5
Anthracene	300	J	ug/kg	570	160	5
Benzo(ghi)perylene	760		ug/kg	760	200	5
Fluorene	ND		ug/kg	950	270	5
Phenanthrene	1200		ug/kg	570	190	5
Dibenzo(a,h)anthracene	200	J	ug/kg	570	180	5
Indeno(1,2,3-cd)Pyrene	790		ug/kg	760	210	5
Pyrene	1700		ug/kg	570	180	5
Biphenyl	ND		ug/kg	2200	310	5
4-Chloroaniline	ND		ug/kg	950	250	5
2-Nitroaniline	ND		ug/kg	950	270	5
3-Nitroaniline	ND		ug/kg	950	260	5
4-Nitroaniline	ND		ug/kg	950	260	5
Dibenzofuran	ND		ug/kg	950	320	5
2-Methylnaphthalene	ND		ug/kg	1100	300	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	950	290	5
Acetophenone	ND		ug/kg	950	290	5
2,4,6-Trichlorophenol	ND		ug/kg	570	180	5
P-Chloro-M-Cresol	ND		ug/kg	950	280	5
2-Chlorophenol	ND		ug/kg	950	290	5
2,4-Dichlorophenol	ND		ug/kg	860	310	5
2,4-Dimethylphenol	ND		ug/kg	950	280	5
2-Nitrophenol	ND		ug/kg	2000	300	5
4-Nitrophenol	ND		ug/kg	1300	310	5
2,4-Dinitrophenol	ND		ug/kg	4600	1300	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	350	5
Pentachlorophenol	ND		ug/kg	760	200	5
Phenol	ND		ug/kg	950	280	5
2-Methylphenol	ND		ug/kg	950	310	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	310	5
2,4,5-Trichlorophenol	ND		ug/kg	950	310	5
Benzoic Acid	ND		ug/kg	3100	960	5
Benzyl Alcohol	ND		ug/kg	950	290	5
Carbazole	ND		ug/kg	950	200	5
Benzaldehyde	ND		ug/kg	1200	380	5

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-03	D	Date Collected:	02/26/14 11:20
Client ID:	SB-23_0-2		Date Received:	02/26/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	950	260	5
Atrazine	ND		ug/kg	760	220	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	950	160	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**21**	Q	25-120
Phenol-d6	35		10-120
Nitrobenzene-d5	36		23-120
2-Fluorobiphenyl	41		30-120
2,4,6-Tribromophenol	28		0-136
4-Terphenyl-d14	37		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-04	Date Collected:	02/26/14 11:30
Client ID:	SB-23_6.5-8.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 08:56
Analytical Date:	03/03/14 16:48		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	720		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	7600		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	440		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	3000		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-04 Date Collected: 02/26/14 11:30

Client ID: SB-23_6.5-8.5 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	2800		ug/kg	160	48.	1
Benzo(b)fluoranthene	3000		ug/kg	120	40.	1
Benzo(k)fluoranthene	1300		ug/kg	120	38.	1
Chrysene	3100		ug/kg	120	39.	1
Acenaphthylene	68	J	ug/kg	160	37.	1
Anthracene	1600		ug/kg	120	33.	1
Benzo(ghi)perylene	1600		ug/kg	160	41.	1
Fluorene	740		ug/kg	200	56.	1
Phenanthrene	6600		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	460		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	1700		ug/kg	160	44.	1
Pyrene	6400		ug/kg	120	38.	1
Biphenyl	100	J	ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	410		ug/kg	200	66.	1
2-Methylnaphthalene	240		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	510		ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-04	Date Collected:	02/26/14 11:30
Client ID:	SB-23_6.5-8.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	74		0-136
4-Terphenyl-d14	54		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-05	D2	Date Collected:	02/26/14 13:55
Client ID:	SB-24_0-2		Date Received:	02/26/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/27/14 08:56
Analytical Date:	03/04/14 12:44			
Analyst:	PS			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	44000		ug/kg	1100	370	10

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-05	D	Date Collected:	02/26/14 13:55
Client ID:	SB-24_0-2		Date Received:	02/26/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	02/27/14 08:56
Analytical Date:	03/03/14 17:16			
Analyst:	PS			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	4400		ug/kg	760	200	5
1,2,4-Trichlorobenzene	ND		ug/kg	950	310	5
Hexachlorobenzene	ND		ug/kg	570	180	5
Bis(2-chloroethyl)ether	ND		ug/kg	850	260	5
2-Chloronaphthalene	ND		ug/kg	950	310	5
1,2-Dichlorobenzene	ND		ug/kg	950	310	5
1,3-Dichlorobenzene	ND		ug/kg	950	300	5
1,4-Dichlorobenzene	ND		ug/kg	950	290	5
3,3'-Dichlorobenzidine	ND		ug/kg	950	250	5
2,4-Dinitrotoluene	ND		ug/kg	950	200	5
2,6-Dinitrotoluene	ND		ug/kg	950	240	5
Fluoranthene	36000		ug/kg	570	170	5
4-Chlorophenyl phenyl ether	ND		ug/kg	950	290	5
4-Bromophenyl phenyl ether	ND		ug/kg	950	220	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	330	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	290	5
Hexachlorobutadiene	ND		ug/kg	950	270	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	610	5
Hexachloroethane	ND		ug/kg	760	170	5
Isophorone	ND		ug/kg	850	250	5
Naphthalene	3700		ug/kg	950	310	5
Nitrobenzene	ND		ug/kg	850	220	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	760	200	5
n-Nitrosodi-n-propylamine	ND		ug/kg	950	280	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	950	250	5
Butyl benzyl phthalate	ND		ug/kg	950	180	5
Di-n-butylphthalate	ND		ug/kg	950	180	5
Di-n-octylphthalate	ND		ug/kg	950	230	5
Diethyl phthalate	ND		ug/kg	950	200	5
Dimethyl phthalate	ND		ug/kg	950	240	5
Benzo(a)anthracene	16000		ug/kg	570	180	5

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-05 D Date Collected: 02/26/14 13:55
Client ID: SB-24_0-2 Date Received: 02/26/14
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	11000		ug/kg	760	230	5
Benzo(b)fluoranthene	14000		ug/kg	570	190	5
Benzo(k)fluoranthene	5600		ug/kg	570	180	5
Chrysene	16000		ug/kg	570	190	5
Acenaphthylene	300	J	ug/kg	760	180	5
Anthracene	10000		ug/kg	570	160	5
Benzo(ghi)perylene	6400		ug/kg	760	200	5
Fluorene	5700		ug/kg	950	270	5
Phenanthrene	47000	E	ug/kg	570	180	5
Dibenzo(a,h)anthracene	2000		ug/kg	570	180	5
Indeno(1,2,3-cd)Pyrene	6800		ug/kg	760	210	5
Pyrene	32000		ug/kg	570	180	5
Biphenyl	640	J	ug/kg	2200	310	5
4-Chloroaniline	ND		ug/kg	950	250	5
2-Nitroaniline	ND		ug/kg	950	270	5
3-Nitroaniline	ND		ug/kg	950	260	5
4-Nitroaniline	ND		ug/kg	950	260	5
Dibenzofuran	3200		ug/kg	950	320	5
2-Methylnaphthalene	2500		ug/kg	1100	300	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	950	290	5
Acetophenone	ND		ug/kg	950	290	5
2,4,6-Trichlorophenol	ND		ug/kg	570	180	5
P-Chloro-M-Cresol	ND		ug/kg	950	280	5
2-Chlorophenol	ND		ug/kg	950	290	5
2,4-Dichlorophenol	ND		ug/kg	850	310	5
2,4-Dimethylphenol	ND		ug/kg	950	280	5
2-Nitrophenol	ND		ug/kg	2000	300	5
4-Nitrophenol	ND		ug/kg	1300	310	5
2,4-Dinitrophenol	ND		ug/kg	4600	1300	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	350	5
Pentachlorophenol	ND		ug/kg	760	200	5
Phenol	ND		ug/kg	950	280	5
2-Methylphenol	ND		ug/kg	950	300	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	310	5
2,4,5-Trichlorophenol	ND		ug/kg	950	310	5
Benzoic Acid	ND		ug/kg	3100	960	5
Benzyl Alcohol	ND		ug/kg	950	290	5
Carbazole	2900		ug/kg	950	200	5
Benzaldehyde	ND		ug/kg	1200	380	5

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-05	D	Date Collected:	02/26/14 13:55
Client ID:	SB-24_0-2		Date Received:	02/26/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	950	260	5
Atrazine	ND		ug/kg	760	210	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	950	160	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	57		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-06	Date Collected:	02/26/14 14:05
Client ID:	SB-24_5.5-7.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 08:56
Analytical Date:	03/03/14 17:44		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	68	J	ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	620		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	180	J	ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	260		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-06 Date Collected: 02/26/14 14:05

Client ID: SB-24_5.5-7.5 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	220		ug/kg	150	47.	1
Benzo(b)fluoranthene	250		ug/kg	120	39.	1
Benzo(k)fluoranthene	110	J	ug/kg	120	37.	1
Chrysene	270		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	130		ug/kg	120	32.	1
Benzo(ghi)perylene	120	J	ug/kg	150	40.	1
Fluorene	75	J	ug/kg	190	55.	1
Phenanthrene	570		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	130	J	ug/kg	150	43.	1
Pyrene	520		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	58	J	ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-06	Date Collected:	02/26/14 14:05
Client ID:	SB-24_5.5-7.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	68		0-136
4-Terphenyl-d14	43		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-07	Date Collected:	02/26/14 00:00
Client ID:	SODUP02_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	02/27/14 08:56
Analytical Date:	03/03/14 18:11		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	84	J	ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	51	J	ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-07 Date Collected: 02/26/14 00:00

Client ID: SODUP02_7-9 Date Received: 02/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	58	J	ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	58	J	ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	41	J	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	43.	1
Pyrene	79	J	ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1
Benzaldehyde	ND		ug/kg	260	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-07	Date Collected:	02/26/14 00:00
Client ID:	SODUP02_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	42		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	56		0-136
4-Terphenyl-d14	68		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/03/14 13:07
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/27/14 08:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG672608-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/03/14 13:07
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/27/14 08:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG672608-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/03/14 13:07
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/27/14 08:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG672608-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	65.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	54		0-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG672608-2 WG672608-3								
Acenaphthene	64		68		31-137	6		50
Benzidine	6		3			**76**	Q	50
n-Nitrosodimethylamine	53		56			6		50
1,2,4-Trichlorobenzene	62		68		38-107	9		50
Hexachlorobenzene	80		86		40-140	7		50
Bis(2-chloroethyl)ether	57		60		40-140	5		50
2-Chloronaphthalene	68		72		40-140	6		50
1,2-Dichlorobenzene	60		65		40-140	8		50
1,3-Dichlorobenzene	58		62		40-140	7		50
1,4-Dichlorobenzene	59		62		28-104	5		50
3,3'-Dichlorobenzidine	**37**	Q	**39**	Q	40-140	5		50
2,4-Dinitrotoluene	89		**93**	Q	28-89	4		50
2,6-Dinitrotoluene	84		89		40-140	6		50
Fluoranthene	77		83		40-140	8		50
4-Chlorophenyl phenyl ether	72		77		40-140	7		50
4-Bromophenyl phenyl ether	79		85		40-140	7		50
Azobenzene	62		65		40-140	5		50
Bis(2-chloroisopropyl)ether	50		54		40-140	8		50
Bis(2-chloroethoxy)methane	60		65		40-117	8		50
Hexachlorobutadiene	62		68		40-140	9		50
Hexachlorocyclopentadiene	41		44		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG672608-2 WG672608-3								
Hexachloroethane	55		58		40-140	5		50
Isophorone	59		64		40-140	8		50
Naphthalene	60		64		40-140	6		50
Nitrobenzene	64		67		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	76		79			4		50
n-Nitrosodi-n-propylamine	57		63		32-121	10		50
Bis(2-Ethylhexyl)phthalate	67		75		40-140	11		50
Butyl benzyl phthalate	76		80		40-140	5		50
Di-n-butylphthalate	71		77		40-140	8		50
Di-n-octylphthalate	72		77		40-140	7		50
Diethyl phthalate	72		76		40-140	5		50
Dimethyl phthalate	71		76		40-140	7		50
Benzo(a)anthracene	73		78		40-140	7		50
Benzo(a)pyrene	73		79		40-140	8		50
Benzo(b)fluoranthene	72		79		40-140	9		50
Benzo(k)fluoranthene	73		75		40-140	3		50
Chrysene	74		79		40-140	7		50
Acenaphthylene	70		75		40-140	7		50
Anthracene	69		77		40-140	11		50
Benzo(ghi)perylene	75		82		40-140	9		50
Fluorene	71		73		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG672608-2 WG672608-3								
Phenanthrene	71		76		40-140	7		50
Dibenzo(a,h)anthracene	73		80		40-140	9		50
Indeno(1,2,3-cd)Pyrene	73		80		40-140	9		50
Pyrene	76		82		35-142	8		50
Biphenyl	65		69			6		50
Aniline	**26**	Q	**23**	Q	40-140	12		50
4-Chloroaniline	**20**	Q	**33**	Q	40-140	49		50
2-Nitroaniline	89		91		47-134	2		50
3-Nitroaniline	32		39		26-129	20		50
4-Nitroaniline	73		73		41-125	0		50
Dibenzofuran	68		73		40-140	7		50
2-Methylnaphthalene	66		70		40-140	6		50
1,2,4,5-Tetrachlorobenzene	66		69		40-117	4		50
Acetophenone	64		70		14-144	9		50
2,4,6-Trichlorophenol	82		86		30-130	5		50
P-Chloro-M-Cresol	80		82		26-103	2		50
2-Chlorophenol	66		70		25-102	6		50
2,4-Dichlorophenol	73		78		30-130	7		50
2,4-Dimethylphenol	67		64		30-130	5		50
2-Nitrophenol	81		87		30-130	7		50
4-Nitrophenol	88		88		11-114	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG672608-2 WG672608-3								
2,4-Dinitrophenol	108		108		4-130	0		50
4,6-Dinitro-o-cresol	107		112		10-130	5		50
Pentachlorophenol	82		89		17-109	8		50
Phenol	60		65		26-90	8		50
2-Methylphenol	64		68		30-130.	6		50
3-Methylphenol/4-Methylphenol	68		74		30-130	8		50
2,4,5-Trichlorophenol	87		91		30-130	4		50
Benzoic Acid	80		83			4		50
Benzyl Alcohol	67		67		40-140	0		50
Carbazole	74		80		54-128	8		50
Benzaldehyde	44		52			17		50
Caprolactam	74		80			8		50
Atrazine	89		95			7		50
2,3,4,6-Tetrachlorophenol	88		90			2		50
Pyridine	42		47		10-93	11		50
Parathion, ethyl	**19**	Q	**19**	Q	40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG672608-2 WG672608-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		66		25-120
Phenol-d6	67		68		10-120
Nitrobenzene-d5	73		73		23-120
2-Fluorobiphenyl	72		73		30-120
2,4,6-Tribromophenol	92		95		0-136
4-Terphenyl-d14	80		85		18-120

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-01	Date Collected:	02/26/14 08:45
Client ID:	SB-19_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/27/14 11:05
Analytical Date:	02/28/14 10:18	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.01	1	A
Aroclor 1221	ND		ug/kg	38.1	3.51	1	A
Aroclor 1232	ND		ug/kg	38.1	4.46	1	A
Aroclor 1242	ND		ug/kg	38.1	4.66	1	A
Aroclor 1248	ND		ug/kg	38.1	3.22	1	A
Aroclor 1254	ND		ug/kg	38.1	3.13	1	A
Aroclor 1260	ND		ug/kg	38.1	2.90	1	A
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-02	Date Collected:	02/26/14 08:55
Client ID:	SB-19_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/27/14 11:05
Analytical Date:	02/28/14 10:30	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.04	1	A
Aroclor 1221	ND		ug/kg	38.4	3.54	1	A
Aroclor 1232	ND		ug/kg	38.4	4.51	1	A
Aroclor 1242	ND		ug/kg	38.4	4.71	1	A
Aroclor 1248	ND		ug/kg	38.4	3.24	1	A
Aroclor 1254	ND		ug/kg	38.4	3.16	1	A
Aroclor 1260	ND		ug/kg	38.4	2.93	1	A
Aroclor 1262	ND		ug/kg	38.4	1.91	1	A
Aroclor 1268	ND		ug/kg	38.4	5.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-03	Date Collected:	02/26/14 11:20
Client ID:	SB-23_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/27/14 11:05
Analytical Date:	02/28/14 10:43	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	2.99	1	A
Aroclor 1221	ND		ug/kg	37.9	3.49	1	A
Aroclor 1232	ND		ug/kg	37.9	4.44	1	A
Aroclor 1242	ND		ug/kg	37.9	4.64	1	A
Aroclor 1248	ND		ug/kg	37.9	3.20	1	A
Aroclor 1254	ND		ug/kg	37.9	3.11	1	A
Aroclor 1260	9.78	J	ug/kg	37.9	2.89	1	A
Aroclor 1262	ND		ug/kg	37.9	1.88	1	A
Aroclor 1268	ND		ug/kg	37.9	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-04	Date Collected:	02/26/14 11:30
Client ID:	SB-23_6.5-8.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/27/14 11:05
Analytical Date:	02/28/14 17:46	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	3.02	1	A
Aroclor 1221	ND		ug/kg	38.3	3.53	1	A
Aroclor 1232	ND		ug/kg	38.3	4.49	1	A
Aroclor 1242	ND		ug/kg	38.3	4.69	1	A
Aroclor 1248	ND		ug/kg	38.3	3.23	1	A
Aroclor 1254	ND		ug/kg	38.3	3.15	1	A
Aroclor 1260	ND		ug/kg	38.3	2.92	1	A
Aroclor 1262	ND		ug/kg	38.3	1.90	1	A
Aroclor 1268	ND		ug/kg	38.3	5.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-05	Date Collected:	02/26/14 13:55
Client ID:	SB-24_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/27/14 11:05
Analytical Date:	02/28/14 11:07	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	2.92	1	A
Aroclor 1221	ND		ug/kg	36.9	3.40	1	A
Aroclor 1232	ND		ug/kg	36.9	4.33	1	A
Aroclor 1242	ND		ug/kg	36.9	4.52	1	A
Aroclor 1248	ND		ug/kg	36.9	3.12	1	A
Aroclor 1254	ND		ug/kg	36.9	3.03	1	A
Aroclor 1260	ND		ug/kg	36.9	2.81	1	A
Aroclor 1262	ND		ug/kg	36.9	1.83	1	A
Aroclor 1268	ND		ug/kg	36.9	5.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-06	Date Collected:	02/26/14 14:05
Client ID:	SB-24_5.5-7.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/27/14 11:05
Analytical Date:	02/28/14 11:19	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	2.92	1	A
Aroclor 1221	ND		ug/kg	37.0	3.41	1	A
Aroclor 1232	ND		ug/kg	37.0	4.34	1	A
Aroclor 1242	ND		ug/kg	37.0	4.53	1	A
Aroclor 1248	ND		ug/kg	37.0	3.12	1	A
Aroclor 1254	ND		ug/kg	37.0	3.04	1	A
Aroclor 1260	ND		ug/kg	37.0	2.82	1	A
Aroclor 1262	ND		ug/kg	37.0	1.84	1	A
Aroclor 1268	ND		ug/kg	37.0	5.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-07	Date Collected:	02/26/14 00:00
Client ID:	SODUP02_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	02/27/14 11:05
Analytical Date:	02/28/14 11:32	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/27/14
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	3.01	1	A
Aroclor 1221	ND		ug/kg	38.2	3.52	1	A
Aroclor 1232	ND		ug/kg	38.2	4.47	1	A
Aroclor 1242	ND		ug/kg	38.2	4.67	1	A
Aroclor 1248	ND		ug/kg	38.2	3.22	1	A
Aroclor 1254	ND		ug/kg	38.2	3.14	1	A
Aroclor 1260	ND		ug/kg	38.2	2.91	1	A
Aroclor 1262	ND		ug/kg	38.2	1.89	1	A
Aroclor 1268	ND		ug/kg	38.2	5.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404172

Report Date: 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/28/14 11:44
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 02/27/14 11:05
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/27/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG672658-1						
Aroclor 1016	ND		ug/kg	33.0	2.61	A
Aroclor 1221	ND		ug/kg	33.0	3.04	A
Aroclor 1232	ND		ug/kg	33.0	3.87	A
Aroclor 1242	ND		ug/kg	33.0	4.04	A
Aroclor 1248	ND		ug/kg	33.0	2.78	A
Aroclor 1254	ND		ug/kg	33.0	2.71	A
Aroclor 1260	ND		ug/kg	33.0	2.51	A
Aroclor 1262	ND		ug/kg	33.0	1.64	A
Aroclor 1268	ND		ug/kg	33.0	4.78	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG672658-2 WG672658-3									
Aroclor 1016	97		110		40-140	13		50	A
Aroclor 1260	92		103		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		86		30-150	A
Decachlorobiphenyl	82		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		89		30-150	B
Decachlorobiphenyl	82		88		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-01	Date Collected:	02/26/14 08:45
Client ID:	SB-19_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 00:19
Analytical Date:	03/03/14 21:53	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.897	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.747	0.306	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	ND		ug/kg	1.79	0.415	1	A
4,4'-DDD	ND		ug/kg	1.79	0.640	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.05	1	A
Toxaphene	ND		ug/kg	33.6	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.6	5.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	139		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-01	Date Collected:	02/26/14 08:45
Client ID:	SB-19_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/27/14 07:07
Analytical Date:	02/28/14 17:41	Methylation Date:	02/28/14 08:22
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.3	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	88		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-02	Date Collected:	02/26/14 08:55
Client ID:	SB-19_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 00:19
Analytical Date:	03/03/14 22:06	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.372	1	A
Lindane	ND		ug/kg	0.792	0.354	1	A
Alpha-BHC	ND		ug/kg	0.792	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.720	1	A
Heptachlor	ND		ug/kg	0.950	0.426	1	A
Aldrin	ND		ug/kg	1.90	0.669	1	A
Heptachlor epoxide	ND		ug/kg	3.56	1.07	1	A
Endrin	ND		ug/kg	0.792	0.324	1	A
Endrin ketone	ND		ug/kg	1.90	0.489	1	A
Dieldrin	ND		ug/kg	1.19	0.594	1	A
4,4'-DDE	ND		ug/kg	1.90	0.439	1	A
4,4'-DDD	ND		ug/kg	1.90	0.678	1	A
4,4'-DDT	ND		ug/kg	3.56	1.53	1	A
Endosulfan I	ND		ug/kg	1.90	0.449	1	A
Endosulfan II	ND		ug/kg	1.90	0.635	1	A
Endosulfan sulfate	ND		ug/kg	0.792	0.377	1	A
Methoxychlor	ND		ug/kg	3.56	1.11	1	A
Toxaphene	ND		ug/kg	35.6	9.97	1	A
cis-Chlordane	ND		ug/kg	2.37	0.662	1	A
trans-Chlordane	ND		ug/kg	2.37	0.627	1	A
Chlordane	ND		ug/kg	15.4	6.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-02	Date Collected:	02/26/14 08:55
Client ID:	SB-19_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/27/14 07:07
Analytical Date:	02/28/14 18:01	Methylation Date:	02/28/14 08:22
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	23.7	1	A
2,4,5-T	ND		ug/kg	195	12.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	10.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	88		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-03	Date Collected:	02/26/14 11:20
Client ID:	SB-23_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 00:19
Analytical Date:	03/03/14 22:19	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.881	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.991	1	A
Endrin	ND		ug/kg	0.734	0.301	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.551	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	7.75		ug/kg	1.76	0.628	1	B
4,4'-DDT	ND		ug/kg	3.30	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.589	1	A
Endosulfan sulfate	ND		ug/kg	0.734	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.25	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.3	5.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-03	Date Collected:	02/26/14 11:20
Client ID:	SB-23_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/27/14 07:07
Analytical Date:	02/28/14 18:21	Methylation Date:	02/28/14 08:22
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	191	23.3	1	A
2,4,5-T	ND		ug/kg	191	11.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	191	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	A
DCAA	90		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-04	Date Collected:	02/26/14 11:30
Client ID:	SB-23_6.5-8.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/27/14 07:07
Analytical Date:	02/28/14 18:41	Methylation Date:	02/28/14 08:22
Analyst:	SH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	199	24.2	1	A
2,4,5-T	ND		ug/kg	199	12.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	199	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	A
DCAA	119		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-04	D	Date Collected:	02/26/14 11:30
Client ID:	SB-23_6.5-8.5		Date Received:	02/26/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	03/01/14 00:19
Analytical Date:	03/04/14 08:18		Cleanup Method1:	EPA 3620B
Analyst:	TQ		Cleanup Date1:	03/03/14
Percent Solids:	83%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.1	3.74	10	A
Lindane	ND		ug/kg	7.97	3.56	10	A
Alpha-BHC	ND		ug/kg	7.97	2.26	10	A
Beta-BHC	ND		ug/kg	19.1	7.25	10	A
Heptachlor	ND		ug/kg	9.56	4.29	10	A
Aldrin	ND		ug/kg	19.1	6.73	10	A
Heptachlor epoxide	ND		ug/kg	35.8	10.8	10	A
Endrin	ND		ug/kg	7.97	3.27	10	A
Endrin ketone	ND		ug/kg	19.1	4.92	10	A
Dieldrin	ND		ug/kg	11.9	5.97	10	A
4,4'-DDE	ND		ug/kg	19.1	4.42	10	A
4,4'-DDD	ND		ug/kg	19.1	6.82	10	A
4,4'-DDT	ND		ug/kg	35.8	15.4	10	A
Endosulfan I	ND		ug/kg	19.1	4.52	10	A
Endosulfan II	ND		ug/kg	19.1	6.39	10	A
Endosulfan sulfate	ND		ug/kg	7.97	3.79	10	A
Methoxychlor	ND		ug/kg	35.8	11.2	10	A
Toxaphene	ND		ug/kg	358	100.	10	A
cis-Chlordane	ND		ug/kg	23.9	6.66	10	A
trans-Chlordane	ND		ug/kg	23.9	6.31	10	A
Chlordane	ND		ug/kg	155	63.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**431**	Q	30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-05	Date Collected:	02/26/14 13:55
Client ID:	SB-24_0-2	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/27/14 07:07
Analytical Date:	02/28/14 19:01	Methylation Date:	02/28/14 08:22
Analyst:	SH		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	22.9	1	A
2,4,5-T	ND		ug/kg	188	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	A
DCAA	87		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-05	D	Date Collected:	02/26/14 13:55
Client ID:	SB-24_0-2		Date Received:	02/26/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	03/01/14 00:19
Analytical Date:	03/04/14 08:31		Cleanup Method1:	EPA 3620B
Analyst:	TQ		Cleanup Date1:	03/03/14
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.4	3.40	10	A
Lindane	ND		ug/kg	7.24	3.24	10	A
Alpha-BHC	ND		ug/kg	7.24	2.06	10	A
Beta-BHC	ND		ug/kg	17.4	6.59	10	A
Heptachlor	ND		ug/kg	8.69	3.90	10	A
Aldrin	ND		ug/kg	17.4	6.12	10	A
Heptachlor epoxide	ND		ug/kg	32.6	9.78	10	A
Endrin	ND		ug/kg	7.24	2.97	10	A
Endrin ketone	ND		ug/kg	17.4	4.48	10	A
Dieldrin	ND		ug/kg	10.9	5.43	10	A
4,4'-DDE	ND		ug/kg	17.4	4.02	10	A
4,4'-DDD	ND		ug/kg	17.4	6.20	10	A
4,4'-DDT	ND		ug/kg	32.6	14.0	10	A
Endosulfan I	ND		ug/kg	17.4	4.11	10	A
Endosulfan II	ND		ug/kg	17.4	5.81	10	A
Endosulfan sulfate	ND		ug/kg	7.24	3.45	10	A
Methoxychlor	ND		ug/kg	32.6	10.1	10	A
Toxaphene	ND		ug/kg	326	91.3	10	A
cis-Chlordane	ND		ug/kg	21.7	6.06	10	A
trans-Chlordane	ND		ug/kg	21.7	5.74	10	A
Chlordane	ND		ug/kg	141	57.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	30		30-150	B
Decachlorobiphenyl	**203**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-06	Date Collected:	02/26/14 14:05
Client ID:	SB-24_5.5-7.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 00:19
Analytical Date:	03/03/14 22:59	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.759	0.339	1	A
Alpha-BHC	ND		ug/kg	0.759	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.691	1	A
Heptachlor	ND		ug/kg	0.911	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.641	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.759	0.311	1	A
Endrin ketone	ND		ug/kg	1.82	0.469	1	A
Dieldrin	ND		ug/kg	1.14	0.569	1	A
4,4'-DDE	ND		ug/kg	1.82	0.421	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	ND		ug/kg	3.42	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.759	0.361	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.56	1	A
cis-Chlordane	ND		ug/kg	2.28	0.634	1	A
trans-Chlordane	ND		ug/kg	2.28	0.601	1	A
Chlordane	ND		ug/kg	14.8	6.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	125		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-06	Date Collected:	02/26/14 14:05
Client ID:	SB-24_5.5-7.5	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/27/14 07:07
Analytical Date:	02/28/14 19:21	Methylation Date:	02/28/14 08:22
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	194	23.6	1	A
2,4,5-T	ND		ug/kg	194	12.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	10.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	A
DCAA	89		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-07	Date Collected:	02/26/14 00:00
Client ID:	SODUP02_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 00:19
Analytical Date:	03/03/14 23:12	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.766	0.342	1	A
Alpha-BHC	ND		ug/kg	0.766	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.697	1	A
Heptachlor	ND		ug/kg	0.919	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.647	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.03	1	A
Endrin	ND		ug/kg	0.766	0.314	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	ND		ug/kg	1.15	0.574	1	A
4,4'-DDE	ND		ug/kg	1.84	0.425	1	A
4,4'-DDD	ND		ug/kg	1.84	0.656	1	A
4,4'-DDT	ND		ug/kg	3.45	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.614	1	A
Endosulfan sulfate	ND		ug/kg	0.766	0.365	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
Toxaphene	ND		ug/kg	34.5	9.65	1	A
cis-Chlordane	ND		ug/kg	2.30	0.640	1	A
trans-Chlordane	ND		ug/kg	2.30	0.607	1	A
Chlordane	ND		ug/kg	14.9	6.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

SAMPLE RESULTS

Lab ID:	L1404172-07	Date Collected:	02/26/14 00:00
Client ID:	SODUP02_7-9	Date Received:	02/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/27/14 07:07
Analytical Date:	02/28/14 19:41	Methylation Date:	02/28/14 08:22
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	194	23.5	1	A
2,4,5-T	ND		ug/kg	194	12.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	10.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 02/28/14 16:41
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 02/27/14 07:07

Methylation Date: 02/28/14 08:22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-07 Batch: WG672564-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.94	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	A
DCAA	63		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/01/14 23:01
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 03/01/14 00:19
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/01/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG673041-1						
Delta-BHC	ND		ug/kg	1.60	0.313	A
Lindane	ND		ug/kg	0.665	0.297	A
Alpha-BHC	ND		ug/kg	0.665	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.605	A
Heptachlor	ND		ug/kg	0.798	0.358	A
Aldrin	ND		ug/kg	1.60	0.562	A
Heptachlor epoxide	ND		ug/kg	2.99	0.898	A
Endrin	ND		ug/kg	0.665	0.273	A
Endrin ketone	ND		ug/kg	1.60	0.411	A
Dieldrin	ND		ug/kg	0.998	0.499	A
4,4'-DDE	ND		ug/kg	1.60	0.369	A
4,4'-DDD	ND		ug/kg	1.60	0.570	A
4,4'-DDT	ND		ug/kg	2.99	1.28	A
Endosulfan I	ND		ug/kg	1.60	0.377	A
Endosulfan II	ND		ug/kg	1.60	0.534	A
Endosulfan sulfate	ND		ug/kg	0.665	0.317	A
Methoxychlor	ND		ug/kg	2.99	0.931	A
Toxaphene	ND		ug/kg	29.9	8.38	A
cis-Chlordane	ND		ug/kg	2.00	0.556	A
trans-Chlordane	ND		ug/kg	2.00	0.527	A
Chlordane	ND		ug/kg	13.0	5.29	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG672564-2 WG672564-3									
2,4-D	112		94		30-150	17		30	A
2,4,5-T	93		79		30-150	16		30	A
2,4,5-TP (Silvex)	89		76		30-150	16		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	80		67		30-150	A
DCAA	86		67		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG673041-2 WG673041-3									
Delta-BHC	58		75		30-150	26		30	A
Lindane	59		77		30-150	26		30	A
Alpha-BHC	61		79		30-150	26		30	A
Beta-BHC	58		75		30-150	26		30	A
Heptachlor	66		83		30-150	23		30	A
Aldrin	65		85		30-150	27		30	A
Heptachlor epoxide	63		82		30-150	26		30	A
Endrin	71		91		30-150	25		30	A
Endrin ketone	63		81		30-150	25		30	A
Dieldrin	67		86		30-150	25		30	A
4,4'-DDE	63		83		30-150	27		30	A
4,4'-DDD	64		82		30-150	25		30	A
4,4'-DDT	74		95		30-150	25		30	A
Endosulfan I	65		83		30-150	24		30	A
Endosulfan II	64		82		30-150	25		30	A
Endosulfan sulfate	65		80		30-150	21		30	A
Methoxychlor	66		82		30-150	22		30	A
cis-Chlordane	65		83		30-150	24		30	A
trans-Chlordane	62		80		30-150	25		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG673041-2 WG673041-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		65		30-150	A
Decachlorobiphenyl	66		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		56		30-150	B
Decachlorobiphenyl	71		87		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG673041-4 WG673041-5 QC Sample: L1404281-05 Client ID: MS Sample													
Delta-BHC	ND	36	23.0	64		19.4	54		30-150	17		50	A
Lindane	ND	36	24.2	67		19.0	53		30-150	24		50	A
Alpha-BHC	ND	36	26.1	72		21.3	60		30-150	20		50	A
Beta-BHC	ND	36	18.5	51		13.7	38		30-150	30		50	A
Heptachlor	ND	36	23.4	65		20.7	58		30-150	12		50	A
Aldrin	ND	36	22.9	64		20.3	57		30-150	12		50	A
Heptachlor epoxide	ND	36	22.9	64		19.0	53		30-150	19		50	A
Endrin	ND	36	23.4	65		18.2	51		30-150	25		50	A
Endrin ketone	ND	36	29.8	83		23.4	65		30-150	24		50	A
Dieldrin	ND	36	14.3	40		18.1	51		30-150	23		50	A
4,4'-DDE	ND	36	12.8	36		13.7	38		30-150	7		50	A
4,4'-DDD	ND	36	19.4	54		16.0	45		30-150	19		50	A
4,4'-DDT	ND	36	31.3	87		25.1	70		30-150	22		50	A
Endosulfan I	ND	36	16.7	46		17.4	49		30-150	4		50	A
Endosulfan II	ND	36	20.9	58		17.6	49		30-150	17		50	A
Endosulfan sulfate	ND	36	18.4	51		14.1	39		30-150	26		50	A
Methoxychlor	ND	36	26.4	73		23.6	66		30-150	11		50	A
cis-Chlordane	ND	36	19.5	54		16.5	46		30-150	17		50	A
trans-Chlordane	ND	36	20.1	56		16.6	46		30-150	19		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG673041-4 WG673041-5 QC Sample: L1404281-05 Client ID: MS Sample												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		52		30-150	A
Decachlorobiphenyl	84		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		37		30-150	B
Decachlorobiphenyl	126		**156**	Q	30-150	B

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1404172
Project Number: 170229002
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-01
Client ID: SB-19_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 02/26/14 08:45
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8800		mg/kg	8.9	1.8	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Antimony, Total	7.3		mg/kg	4.5	0.72	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Arsenic, Total	25		mg/kg	0.89	0.18	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.89	0.27	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Beryllium, Total	1.2		mg/kg	0.45	0.09	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.89	0.06	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Calcium, Total	2300		mg/kg	8.9	2.7	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Chromium, Total	23		mg/kg	0.89	0.18	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Cobalt, Total	6.2		mg/kg	1.8	0.45	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Copper, Total	80		mg/kg	0.89	0.18	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Iron, Total	32000		mg/kg	4.5	1.8	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Lead, Total	1800		mg/kg	4.5	0.18	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Magnesium, Total	2200		mg/kg	8.9	0.89	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Manganese, Total	120		mg/kg	0.89	0.18	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Mercury, Total	0.40		mg/kg	0.09	0.02	1	02/27/14 12:38	02/27/14 15:38	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.2	0.36	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Potassium, Total	920		mg/kg	220	36.	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Selenium, Total	2.0		mg/kg	1.8	0.27	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Silver, Total	0.46	J	mg/kg	0.89	0.18	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Sodium, Total	1000		mg/kg	180	27.	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Vanadium, Total	22		mg/kg	0.89	0.09	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG
Zinc, Total	91		mg/kg	4.5	0.63	2	02/27/14 15:05	02/28/14 14:13	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-02
Client ID: SB-19_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 02/26/14 08:55
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2300		mg/kg	9.1	1.8	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Antimony, Total	1.5	J	mg/kg	4.5	0.73	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Arsenic, Total	10		mg/kg	0.91	0.18	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Barium, Total	30		mg/kg	0.91	0.27	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28	J	mg/kg	0.45	0.09	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.91	0.06	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Calcium, Total	4500		mg/kg	9.1	2.7	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Chromium, Total	7.8		mg/kg	0.91	0.18	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Cobalt, Total	4.7		mg/kg	1.8	0.45	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Copper, Total	34		mg/kg	0.91	0.18	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.5	1.8	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Lead, Total	87		mg/kg	4.5	0.18	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Magnesium, Total	860		mg/kg	9.1	0.91	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Manganese, Total	150		mg/kg	0.91	0.18	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Mercury, Total	0.28		mg/kg	0.08	0.02	1	02/27/14 12:38	02/27/14 15:44	EPA 7471B	1,7471B	MC
Nickel, Total	8.8		mg/kg	2.3	0.36	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Potassium, Total	330		mg/kg	230	36.	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Selenium, Total	0.71	J	mg/kg	1.8	0.27	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Silver, Total	0.37	J	mg/kg	0.91	0.18	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Sodium, Total	150	J	mg/kg	180	27.	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Vanadium, Total	12		mg/kg	0.91	0.09	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG
Zinc, Total	58		mg/kg	4.5	0.64	2	02/27/14 15:05	02/28/14 14:17	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-03
Client ID: SB-23_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 02/26/14 11:20
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7700		mg/kg	8.8	1.8	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Antimony, Total	1.3	J	mg/kg	4.4	0.70	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Arsenic, Total	14		mg/kg	0.88	0.18	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Barium, Total	140		mg/kg	0.88	0.26	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Beryllium, Total	2.6		mg/kg	0.44	0.09	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.88	0.06	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Calcium, Total	80000		mg/kg	8.8	2.6	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Chromium, Total	30		mg/kg	0.88	0.18	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Cobalt, Total	8.9		mg/kg	1.8	0.44	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Copper, Total	140		mg/kg	0.88	0.18	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.4	1.8	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Lead, Total	210		mg/kg	4.4	0.18	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Magnesium, Total	19000		mg/kg	8.8	0.88	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Manganese, Total	200		mg/kg	0.88	0.18	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Mercury, Total	0.31		mg/kg	0.08	0.02	1	02/27/14 12:38	02/27/14 15:46	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	2.2	0.35	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Potassium, Total	920		mg/kg	220	35.	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Selenium, Total	0.71	J	mg/kg	1.8	0.26	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Silver, Total	0.44	J	mg/kg	0.88	0.18	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	180	26.	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.35	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Vanadium, Total	18		mg/kg	0.88	0.09	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG
Zinc, Total	690		mg/kg	4.4	0.61	2	02/27/14 15:05	02/28/14 14:20	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1404172
Project Number: 170229002
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-04
Client ID: SB-23_6.5-8.5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 02/26/14 11:30
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2700		mg/kg	9.6	1.9	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Antimony, Total	0.89	J	mg/kg	4.8	0.76	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Arsenic, Total	16		mg/kg	0.96	0.19	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Barium, Total	90		mg/kg	0.96	0.29	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28	J	mg/kg	0.48	0.10	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.96	0.07	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Calcium, Total	2300		mg/kg	9.6	2.9	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Chromium, Total	7.3		mg/kg	0.96	0.19	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Cobalt, Total	6.5		mg/kg	1.9	0.48	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Copper, Total	57		mg/kg	0.96	0.19	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Iron, Total	18000		mg/kg	4.8	1.9	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Lead, Total	290		mg/kg	4.8	0.19	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Magnesium, Total	740		mg/kg	9.6	0.96	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Manganese, Total	200		mg/kg	0.96	0.19	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Mercury, Total	1.4		mg/kg	0.10	0.02	1	02/27/14 12:38	02/27/14 15:48	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.4	0.38	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Potassium, Total	420		mg/kg	240	38.	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Selenium, Total	1.8	J	mg/kg	1.9	0.29	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Silver, Total	0.54	J	mg/kg	0.96	0.19	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Sodium, Total	290		mg/kg	190	29.	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Vanadium, Total	11		mg/kg	0.96	0.10	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG
Zinc, Total	170		mg/kg	4.8	0.67	2	02/27/14 15:05	02/28/14 14:24	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1404172
Project Number: 170229002
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-05
Client ID: SB-24_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 02/26/14 13:55
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7300		mg/kg	8.7	1.7	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.3	0.69	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Arsenic, Total	5.6		mg/kg	0.87	0.17	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Barium, Total	380		mg/kg	0.87	0.26	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.43	0.09	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Cadmium, Total	0.22	J	mg/kg	0.87	0.06	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Calcium, Total	53000		mg/kg	8.7	2.6	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Chromium, Total	11		mg/kg	0.87	0.17	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Cobalt, Total	3.1		mg/kg	1.7	0.43	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Copper, Total	28		mg/kg	0.87	0.17	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	4.3	1.7	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Lead, Total	830		mg/kg	4.3	0.17	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Magnesium, Total	5900		mg/kg	8.7	0.87	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.87	0.17	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	02/27/14 12:38	02/27/14 15:49	EPA 7471B	1,7471B	MC
Nickel, Total	7.4		mg/kg	2.2	0.35	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Potassium, Total	610		mg/kg	220	35.	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Silver, Total	0.48	J	mg/kg	0.87	0.17	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Sodium, Total	420		mg/kg	170	26.	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	0.87	0.09	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG
Zinc, Total	390		mg/kg	4.3	0.61	2	02/27/14 15:05	02/28/14 14:28	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1404172
Project Number: 170229002
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-06
Client ID: SB-24_5.5-7.5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 02/26/14 14:05
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3400		mg/kg	9.0	1.8	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Antimony, Total	0.93	J	mg/kg	4.5	0.72	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Arsenic, Total	14		mg/kg	0.90	0.18	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Barium, Total	42		mg/kg	0.90	0.27	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Beryllium, Total	0.59		mg/kg	0.45	0.09	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.90	0.06	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Calcium, Total	2100		mg/kg	9.0	2.7	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Chromium, Total	6.4		mg/kg	0.90	0.18	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Cobalt, Total	5.1		mg/kg	1.8	0.45	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Copper, Total	65		mg/kg	0.90	0.18	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Iron, Total	24000		mg/kg	4.5	1.8	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Lead, Total	49		mg/kg	4.5	0.18	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Magnesium, Total	860		mg/kg	9.0	0.90	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Manganese, Total	130		mg/kg	0.90	0.18	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Mercury, Total	0.08		mg/kg	0.08	0.02	1	02/27/14 12:38	02/27/14 15:51	EPA 7471B	1,7471B	MC
Nickel, Total	9.9		mg/kg	2.2	0.36	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Potassium, Total	300		mg/kg	220	36.	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Selenium, Total	0.80	J	mg/kg	1.8	0.27	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.90	0.18	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Sodium, Total	93	J	mg/kg	180	27.	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Vanadium, Total	9.5		mg/kg	0.90	0.09	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG
Zinc, Total	30		mg/kg	4.5	0.63	2	02/27/14 15:05	02/28/14 15:38	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1404172
Project Number: 170229002
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-07
Client ID: SODUP02_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 02/26/14 00:00
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	9.2	1.8	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.6	0.74	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Arsenic, Total	11		mg/kg	0.92	0.18	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Barium, Total	32		mg/kg	0.92	0.28	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Beryllium, Total	0.36	J	mg/kg	0.46	0.09	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.92	0.06	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Calcium, Total	2800		mg/kg	9.2	2.8	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Chromium, Total	11		mg/kg	0.92	0.18	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Cobalt, Total	8.8		mg/kg	1.8	0.46	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Copper, Total	21		mg/kg	0.92	0.18	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Iron, Total	22000		mg/kg	4.6	1.8	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Lead, Total	82		mg/kg	4.6	0.18	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Magnesium, Total	1100		mg/kg	9.2	0.92	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Manganese, Total	300		mg/kg	0.92	0.18	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Mercury, Total	0.42		mg/kg	0.08	0.02	1	02/27/14 12:38	02/27/14 15:53	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.3	0.37	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Potassium, Total	440		mg/kg	230	37.	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Selenium, Total	1.9		mg/kg	1.8	0.28	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Silver, Total	0.47	J	mg/kg	0.92	0.18	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Sodium, Total	110	J	mg/kg	180	28.	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Vanadium, Total	18		mg/kg	0.92	0.09	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG
Zinc, Total	55		mg/kg	4.6	0.64	2	02/27/14 15:05	02/28/14 15:42	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07 Batch: WG672643-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	02/27/14 12:38	02/27/14 15:23	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07 Batch: WG672723-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Copper, Total	0.09	J	mg/kg	0.40	0.08	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Silver, Total	0.13	J	mg/kg	0.40	0.08	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	02/27/14 15:05	02/28/14 13:13	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG672643-2 SRM Lot Number: 0518-10-02								
Mercury, Total	124		-		67-133	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG672723-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	91	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	95	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	108	-	51-150	-	
Lead, Total	91	-	80-120	-	
Magnesium, Total	92	-	74-126	-	
Manganese, Total	102	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	96	-	66-134	-	
Sodium, Total	100	-	74-127	-	
Thallium, Total	91	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG672723-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672643-4 QC Sample: L1404087-06 Client ID: MS Sample												
Mercury, Total	2.2	0.144	1.7	**0**	Q	-	-		80-120	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672723-4 QC Sample: L1404122-01 Client ID: MS Sample										
Aluminum, Total	7900	177	9600	**959**	Q	-	-	75-125	-	35
Antimony, Total	ND	44.3	36	81		-	-	75-125	-	35
Arsenic, Total	6.0	10.6	16	94		-	-	75-125	-	35
Barium, Total	100	177	300	113		-	-	75-125	-	35
Beryllium, Total	0.58	4.43	4.8	95		-	-	75-125	-	35
Cadmium, Total	ND	4.52	3.4	75		-	-	75-125	-	35
Calcium, Total	20000	886	21000	113		-	-	75-125	-	35
Chromium, Total	17.	17.7	36	107		-	-	75-125	-	35
Cobalt, Total	7.3	44.3	46	87		-	-	75-125	-	35
Copper, Total	14.	22.2	36	99		-	-	75-125	-	35
Iron, Total	20000	88.6	22000	**2260**	Q	-	-	75-125	-	35
Lead, Total	7.1	45.2	47	88		-	-	75-125	-	35
Magnesium, Total	5700	886	7100	**158**	Q	-	-	75-125	-	35
Manganese, Total	510	44.3	600	**203**	Q	-	-	75-125	-	35
Nickel, Total	16.	44.3	55	88		-	-	75-125	-	35
Potassium, Total	1700	886	2900	**135**	Q	-	-	75-125	-	35
Selenium, Total	ND	10.6	8.5	80		-	-	75-125	-	35
Silver, Total	0.50J	26.6	24	90		-	-	75-125	-	35
Sodium, Total	340	886	1200	97		-	-	75-125	-	35
Thallium, Total	ND	10.6	7.7	**72**	Q	-	-	75-125	-	35
Vanadium, Total	23.	44.3	68	102		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672723-4 QC Sample: L1404122-01 Client ID: MS Sample									
Zinc, Total	40.	44.3	84	99	-	-	75-125	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672643-3 QC Sample: L1404087-06 Client ID: DUP Sample						
Mercury, Total	2.2	0.95	mg/kg	**79**	Q	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672723-3 QC Sample: L1404122-01 Client ID: DUP Sample					
Aluminum, Total	7900	8400	mg/kg	6	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	6.0	5.8	mg/kg	3	35
Barium, Total	100	120	mg/kg	18	35
Beryllium, Total	0.58	0.60	mg/kg	3	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Calcium, Total	20000	20000	mg/kg	0	35
Chromium, Total	17.	18	mg/kg	6	35
Cobalt, Total	7.3	8.2	mg/kg	12	35
Copper, Total	14.	15	mg/kg	7	35
Iron, Total	20000	21000	mg/kg	5	35
Lead, Total	7.1	8.2	mg/kg	14	35
Magnesium, Total	5700	6100	mg/kg	7	35
Manganese, Total	510	550	mg/kg	8	35
Nickel, Total	16.	18	mg/kg	12	35
Potassium, Total	1700	1800	mg/kg	6	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	0.50J	0.42J	mg/kg	NC	35
Sodium, Total	340	360	mg/kg	6	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672723-3 QC Sample: L1404122-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	23.	24	mg/kg	4	35
Zinc, Total	40.	44	mg/kg	10	35

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-01
Client ID: SB-19_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/26/14 08:45
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	23		mg/kg	0.94	0.94	1	-	03/04/14 17:50	107,-	JO
Solids, Total	84.9		%	0.100	NA	1	-	02/27/14 20:36	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	02/27/14 11:00	02/28/14 15:15	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	03/03/14 15:20	03/04/14 15:38	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-02
Client ID: SB-19_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/26/14 08:55
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	7.8		mg/kg	0.95	0.95	1	-	03/04/14 17:50	107,-	JO
Solids, Total	84.1		%	0.100	NA	1	-	02/27/14 20:36	30,2540G	RT
Cyanide, Total	0.28	J	mg/kg	1.1	0.26	1	02/27/14 11:00	02/28/14 15:16	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.95	0.19	1	03/03/14 15:20	03/04/14 15:39	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-03
Client ID: SB-23_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/26/14 11:20
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	30		mg/kg	0.93	0.93	1	-	03/04/14 17:50	107,-	JO
Solids, Total	86.2		%	0.100	NA	1	-	02/27/14 20:36	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	02/27/14 11:00	02/28/14 15:17	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.93	0.18	1	03/03/14 15:20	03/04/14 15:40	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-04
Client ID: SB-23_6.5-8.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/26/14 11:30
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	7.3		mg/kg	0.97	0.97	1	-	03/04/14 17:50	107,-	JO
Solids, Total	82.8		%	0.100	NA	1	-	02/27/14 20:36	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	02/27/14 11:00	02/28/14 15:19	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.97	0.19	1	03/03/14 15:20	03/04/14 15:40	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-05
Client ID: SB-24_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/26/14 13:55
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.92	0.92	1	-	03/04/14 17:50	107,-	JO
Solids, Total	87.2		%	0.100	NA	1	-	02/27/14 20:36	30,2540G	RT
Cyanide, Total	0.68	J	mg/kg	1.1	0.26	1	02/27/14 11:00	02/28/14 15:20	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	03/03/14 15:20	03/04/14 15:41	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-06
Client ID: SB-24_5.5-7.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/26/14 14:05
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	6.4		mg/kg	0.94	0.94	1	-	03/04/14 17:50	107,-	JO
Solids, Total	84.9		%	0.100	NA	1	-	02/27/14 20:36	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	02/27/14 11:00	02/28/14 15:21	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	03/03/14 15:20	03/04/14 15:41	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

SAMPLE RESULTS

Lab ID: L1404172-07
Client ID: SODUP02_7-9
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/26/14 00:00
Date Received: 02/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.94	0.94	1	-	03/04/14 17:50	107,-	JO
Solids, Total	84.6		%	0.100	NA	1	-	02/27/14 20:36	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	02/27/14 11:00	02/28/14 15:22	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	03/03/14 15:20	03/04/14 15:42	1,7196A	JT

Project Name: GREENPOINT LANDING **Lab Number:** L1404172

Project Number: 170229002 **Report Date:** 03/05/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG672575-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	02/27/14 11:00	02/28/14 15:12	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG673297-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	03/03/14 15:20	03/04/14 15:36	1,7196A	JT

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG672575-2 WG672575-3								
Cyanide, Total	96		94		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG673297-2								
Chromium, Hexavalent	104		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672575-4 WG672575-5 QC Sample: L1404187-18 Client ID: MS Sample												
Cyanide, Total	0.59J	12	11	91		12	97		65-135	9		35
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG673297-5 QC Sample: L1404172-05 Client ID: SB-24_0-2												
Chromium, Hexavalent	ND	1400	1300	93		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG672774-1 QC Sample: L1404122-01 Client ID: DUP Sample						
Solids, Total	84.5	84.1	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG673297-4 QC Sample: L1404172-05 Client ID: SB-24_0-2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/27/2014 03:33

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404172-01A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-01B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-01C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-01D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1404172-01E	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-01F	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-01X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-01Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-01Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-02A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-02B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404172-02C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-02D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1404172-02E	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-02F	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-02X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-02Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-02Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-03A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-03B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-03C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-03D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1404172-03E	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404172-03F	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-03X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-03Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-03Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-04A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-04B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-04C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-04D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1404172-04E	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-04F	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-04X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-04Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404172-04Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-05A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-05B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-05C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-05D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1404172-05E	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-05F	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-05X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-05Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-05Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-06A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-06B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-06C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-06D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404172-06E	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-06F	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-06X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-06Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-06Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-07A	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-07B	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-07C	5 gram Encore Sampler	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(2)
L1404172-07D	Plastic 2oz unpreserved for TS	A	N/A	2.2	Y	Absent	TS(7)
L1404172-07E	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404172
Report Date: 03/05/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404172-07F	Amber 500ml unpreserved	A	N/A	2.2	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404172-07X	Vial MeOH preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-07Y	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-07Z	Vial Water preserved split	A	N/A	2.2	Y	Absent	NYTCL-8260HLW(14)
L1404172-08A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1404172-08B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404172
Project Number:	170229002	**Report Date:**	03/05/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404172
Project Number:	170229002	**Report Date:**	03/05/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1404172
Project Number: 170229002 **Report Date:** 03/05/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Soil

Serial_No:03051412:32

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/26/14 ~~3/5/14~~

ALPHA Job #: L1404172

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN D.P.C.

Address:

Phone:

Fax:

Email: guy.kae@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAYGORODETSKY

ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/5/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC

Criteria: PART 375 UUSCO / CP-51 SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDD'S

2) PROVIDE ASP CATEGORY B DELIVERABLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TAL LISTINGS	SVOCS	PCBS	PEST.	HERBS.	METALS	CYANIDE	TEMPERATURE	HEX CHROMIUM				Sample Specific Comments (SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below))	TOTAL # BOTTLES
04172-01	SB-19_0-2	2/26/14	08:45	Soil	SM	X	X	X	X	X	X	X	X	X				(3) ENCORE + SOLID JAR (2) LARGE AMBER JARS	
02	SB-19_7-9		08:55			X	X	X	X	X	X	X	X	X					
03	SB-23_0-2		11:20			X	X	X	X	X	X	X	X	X					
04	SB-23_6.5-8.5		11:30			X	X	X	X	X	X	X	X	X					
05	SB-24_0-2		13:55			X	X	X	X	X	X	X	X	X					
06	SB-24_5.5-7.5		14:05			X	X	X	X	X	X	X	X	X					
07	SODUP02_7-9	-	-			X	X	X	X	X	X	X	X	X					
08	SOTB03_022614	-	-	AQ.		X												(2) VOA VIALS	

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
	2/26/14 1100		2-26-14 1700
Tom Fisher	2-26-14 1918	Tom Fisher	2-26-14 1918
Tom Fisher	2-26-14 2330	Miller	2/26/14 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1404281
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	03/06/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404281-01	SB-20_0-2	BROOKLYN, NY	02/27/14 08:40
L1404281-02	SB-20_8-10	BROOKLYN, NY	02/27/14 08:55
L1404281-03	SB-26_0-2	BROOKLYN, NY	02/27/14 12:30
L1404281-04	SB-26_8.5-10.5	BROOKLYN, NY	02/27/14 12:40
L1404281-05	SB-20_3-5	BROOKLYN, NY	02/27/14 08:45
L1404281-06	SOFB02_022714	BROOKLYN, NY	02/27/14 15:15
L1404281-07	SOTB04_022714	BROOKLYN, NY	02/27/14 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1404281
Project Number: 170229002 **Report Date:** 03/06/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404281
Project Number:	170229002	**Report Date:**	03/06/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG673196-4/-5 MS/MSD recoveries, performed on L1404281-05, are outside the acceptance criteria for dibromochloromethane (MS at 68%), chlorobenzene (MS at 59%), trans-1,3-dichloropropene (54%/66%), cis-1,3-dichloropropene (MS at 65%), bromoform (59%/69%), 1,1,2,2-tetrachloroethane (66%/69%), ethylbenzene (MS at 68%), 1,2-dichlorobenzene (39%/58%), 1,3-dichlorobenzene (38%/59%), 1,4-dichlorobenzene (35%/56%), p/m-xylene (MS at 66%), o-xylene (MS at 66%), dibromomethane (MS at 69%), styrene (49%/65%), vinyl acetate (31%/43%), 1,2,3-trichloropropane (MS at 66%), 2-hexanone (MS at 66%), 1,2-dibromoethane (61%/69%), bromobenzene (47%/63%), n-butylbenzene (46%/65%), sec-butylbenzene (MS at 62%), tert-butylbenzene (MS at 66%), o-chlorotoluene (53%/66%), p-chlorotoluene (44%/62%), 1,2-dibromo-3-chloropropane (MS at 55%), hexachlorobutadiene (36%/57%), isopropylbenzene (MS at 68%), p-isopropyltoluene (MS at 57%), naphthalene (19%/48%), n-propylbenzene (MS at 60%), 1,2,3-trichlorobenzene (18%/46%), 1,2,4-trichlorobenzene (18%/45%), 1,3,5-trimethylbenzene (MS at 60%), 1,2,4-trimethylbenzene (54%/68%), p-diethylbenzene (48%/65%), p-ethyltoluene (MS at 58%), 1,2,4,5-tetramethylbenzene (39%/59%), and trans-1,4-dichloro-2-butene (47%/60%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

The WG673196-4/-5 MS/MSD RPDs, performed on L1404281-05, are above the acceptance criteria for 1,2-dichlorobenzene (40%), 1,3-dichlorobenzene (42%), 1,4-dichlorobenzene (46%), vinyl acetate (33%), n-butylbenzene (33%), p-chlorotoluene (34%), hexachlorobutadiene (46%), naphthalene (88%), 1,2,3-trichlorobenzene (85%), 1,2,4-trichlorobenzene (87%), and 1,2,4,5-tetramethylbenzene (41%).

Semivolatile Organics

The WG673054-4/-5 MS/MSD recoveries, performed on L1404281-05, are outside the acceptance criteria for hexachlorocyclopentadiene (13%/14%), 4-chloroaniline (35%/37%), 2,4-dinitrotoluene (MSD at 94%), and carbazole (MS at 52%); however, the associated LCS/LCSD recoveries are within overall method allowances.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404281
Project Number:	170229002	**Report Date:**	03/06/14

Case Narrative (continued)

No further action was required.
The WG673054-4/-5 MS/MSD recoveries, performed on L1404281-05, are outside the acceptance criteria for fluoranthene (MS at 13%), phenanthrene (MS at 0%), and pyrene (33%/150%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the sample utilized for the MS/MSD.
The WG673054-4/-5 MS/MSD recoveries, performed on L1404281-05, are below the acceptance criteria for 2,4-dinitrophenol (0%/0%) and benzoic acid (0%/0%) due to the concentration of these compounds falling below the reported detection limit.

PCBs
The WG673136-4 MS recoveries, performed on L1404281-05, are outside the acceptance criteria for aroclor 1016 (35%) and aroclor 1260 (28%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.
The WG673136-4/-5 MS/MSD RPDs, performed on L1404281-05, are above the acceptance criteria for aroclor 1016 (68%) and aroclor 1260 (71%).

Metals
L1404281-01 through -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.
The WG673256-3/-4 MS/MSD recoveries for aluminum (0%/0%), calcium (0%/0%), copper (140%/0%), iron (2340%/9300%), lead (0%/0%), and manganese (257%/0%), performed on L1404281-05, do not apply because the sample concentrations are greater than four times the spike amount added.
The WG673256-3/-4 MS/MSD recoveries, performed on L1404281-05, are outside the acceptance criteria for chromium (134%/145%), magnesium (187%/128%), potassium (144%/154%), sodium (70%/58%), vanadium (128%/137%), and zinc (280%/163%). A post digestion spike was performed and was within acceptance criteria.
The WG673256-3/-4 MS/MSD RPD, performed on L1404281-05, is above the acceptance criteria for lead (50%).

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404281
Project Number:	170229002	**Report Date:**	03/06/14

Case Narrative (continued)

The WG673685-3/-4 MS/MSD recoveries for mercury (0%/0%), performed on L1404281-05, do not apply because the sample concentration is greater than four times the spike amount added.
The WG673685-3/-4 MS/MSD RPD, performed on L1404281-05, is above the acceptance criteria for mercury (39%).

Chromium, Hexavalent
The WG673338-6 MSD recovery (71%), performed on L1404281-05, is outside the acceptance criteria; however, the associated LCS and MS recoveries were within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 03/06/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-01	Date Collected:	02/27/14 08:40
Client ID:	SB-20_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/02/14 15:15		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.2	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.28	1
Chloroform	ND		ug/kg	2.4	0.59	1
Carbon tetrachloride	ND		ug/kg	1.6	0.33	1
1,2-Dichloropropane	ND		ug/kg	5.5	0.36	1
Dibromochloromethane	ND		ug/kg	1.6	0.49	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.48	1
Tetrachloroethene	ND		ug/kg	1.6	0.22	1
Chlorobenzene	ND		ug/kg	1.6	0.55	1
Trichlorofluoromethane	ND		ug/kg	7.9	0.19	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.36	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
1,1-Dichloropropene	ND		ug/kg	7.9	0.72	1
Bromoform	ND		ug/kg	6.3	0.66	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.27	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	7.9	1.2	1
Bromomethane	ND		ug/kg	3.2	0.54	1
Vinyl chloride	ND		ug/kg	3.2	0.22	1
Chloroethane	ND		ug/kg	3.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	7.9	0.29	1
1,3-Dichlorobenzene	ND		ug/kg	7.9	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	7.9	0.38	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

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SAMPLE RESULTS

Lab ID: L1404281-01 Date Collected: 02/27/14 08:40

Client ID: SB-20_0-2 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.2	0.16	1
p/m-Xylene	ND		ug/kg	3.2	0.51	1
o-Xylene	ND		ug/kg	3.2	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.2	0.49	1
Dichlorodifluoromethane	ND		ug/kg	16	0.34	1
Acetone	5.6	J	ug/kg	16	4.9	1
Carbon disulfide	ND		ug/kg	16	3.2	1
2-Butanone	ND		ug/kg	16	0.56	1
Vinyl acetate	ND		ug/kg	16	0.76	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.39	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.36	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	7.9	0.31	1
2,2-Dichloropropane	ND		ug/kg	7.9	0.36	1
1,2-Dibromoethane	ND		ug/kg	6.3	0.28	1
1,3-Dichloropropane	ND		ug/kg	7.9	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.50	1
Bromobenzene	ND		ug/kg	7.9	0.33	1
n-Butylbenzene	ND		ug/kg	1.6	0.31	1
sec-Butylbenzene	ND		ug/kg	1.6	0.33	1
tert-Butylbenzene	ND		ug/kg	7.9	0.89	1
o-Chlorotoluene	ND		ug/kg	7.9	0.25	1
p-Chlorotoluene	ND		ug/kg	7.9	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.9	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.9	0.67	1
Isopropylbenzene	ND		ug/kg	1.6	0.26	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.30	1
Naphthalene	1.7	J	ug/kg	7.9	1.2	1
Acrylonitrile	ND		ug/kg	16	0.38	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.9	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.9	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.9	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.9	0.91	1
Methyl Acetate	ND		ug/kg	32	1.2	1
Cyclohexane	ND		ug/kg	32	1.7	1
1,4-Dioxane	ND		ug/kg	160	28.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-01	Date Collected:	02/27/14 08:40
Client ID:	SB-20_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	32	0.43	1
p-Diethylbenzene	ND		ug/kg	6.3	0.25	1
p-Ethyltoluene	ND		ug/kg	6.3	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.3	0.21	1
Ethyl ether	ND		ug/kg	7.9	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.9	0.71	1
Methyl cyclohexane	ND		ug/kg	6.3	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

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SAMPLE RESULTS

Lab ID:	L1404281-02	Date Collected:	02/27/14 08:55
Client ID:	SB-20_8-10	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/02/14 15:42		
Analyst:	BN		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.42	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.8	0.62	1
Bromoform	ND		ug/kg	5.5	0.57	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.23	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	6.8	1.1	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.33	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-02 Date Collected: 02/27/14 08:55

Client ID: SB-20_8-10 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.44	1
o-Xylene	ND		ug/kg	2.7	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	14	0.30	1
Acetone	5.3	J	ug/kg	14	4.2	1
Carbon disulfide	ND		ug/kg	14	2.7	1
2-Butanone	ND		ug/kg	14	0.48	1
Vinyl acetate	ND		ug/kg	14	0.66	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.31	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	6.8	0.27	1
2,2-Dichloropropane	ND		ug/kg	6.8	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.8	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.43	1
Bromobenzene	ND		ug/kg	6.8	0.28	1
n-Butylbenzene	ND		ug/kg	1.4	0.27	1
sec-Butylbenzene	ND		ug/kg	1.4	0.28	1
tert-Butylbenzene	ND		ug/kg	6.8	0.77	1
o-Chlorotoluene	ND		ug/kg	6.8	0.22	1
p-Chlorotoluene	ND		ug/kg	6.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.58	1
Isopropylbenzene	ND		ug/kg	1.4	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.26	1
Naphthalene	ND		ug/kg	6.8	1.0	1
Acrylonitrile	ND		ug/kg	14	0.32	1
n-Propylbenzene	ND		ug/kg	1.4	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	0.78	1
Methyl Acetate	ND		ug/kg	27	1.0	1
Cyclohexane	ND		ug/kg	27	1.5	1
1,4-Dioxane	ND		ug/kg	140	24.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-02	Date Collected:	02/27/14 08:55
Client ID:	SB-20_8-10	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	27	0.37	1
p-Diethylbenzene	ND		ug/kg	5.5	0.22	1
p-Ethyltoluene	ND		ug/kg	5.5	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.18	1
Ethyl ether	ND		ug/kg	6.8	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	0.61	1
Methyl cyclohexane	ND		ug/kg	5.5	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-03	Date Collected:	02/27/14 12:30
Client ID:	SB-26_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/02/14 16:10		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.43	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.0	0.64	1
Bromoform	ND		ug/kg	5.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.0	1.1	1
Bromomethane	ND		ug/kg	2.8	0.47	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.34	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-03 Date Collected: 02/27/14 12:30

Client ID: SB-26_0-2 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.14	1
p/m-Xylene	ND		ug/kg	2.8	0.45	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.43	1
Dichlorodifluoromethane	ND		ug/kg	14	0.30	1
Acetone	ND		ug/kg	14	4.3	1
Carbon disulfide	ND		ug/kg	14	2.8	1
2-Butanone	ND		ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.67	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.31	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	7.0	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.0	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.0	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	7.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.0	0.78	1
o-Chlorotoluene	ND		ug/kg	7.0	0.22	1
p-Chlorotoluene	ND		ug/kg	7.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.59	1
Isopropylbenzene	ND		ug/kg	1.4	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.27	1
Naphthalene	ND		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	14	0.33	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.0	0.80	1
Methyl Acetate	ND		ug/kg	28	1.1	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	24.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-03	Date Collected:	02/27/14 12:30
Client ID:	SB-26_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.38	1
p-Diethylbenzene	ND		ug/kg	5.6	0.22	1
p-Ethyltoluene	ND		ug/kg	5.6	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.18	1
Ethyl ether	ND		ug/kg	7.0	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	0.63	1
Methyl cyclohexane	ND		ug/kg	5.6	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-04	Date Collected:	02/27/14 12:40
Client ID:	SB-26_8.5-10.5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/02/14 16:39		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.52	1
Bromoform	ND		ug/kg	4.6	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	0.40	J	ug/kg	1.2	0.14	1
Toluene	0.81	J	ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.90	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-04 Date Collected: 02/27/14 12:40

Client ID: SB-26_8.5-10.5 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1
p/m-Xylene	ND		ug/kg	2.3	0.37	1
o-Xylene	ND		ug/kg	2.3	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.25	1
Acetone	7.7	J	ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	0.41	1
Vinyl acetate	ND		ug/kg	12	0.55	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.26	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.8	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.8	0.65	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.91	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.49	1
Isopropylbenzene	ND		ug/kg	1.2	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.8	0.89	1
Acrylonitrile	ND		ug/kg	12	0.27	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.91	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.66	1
Methyl Acetate	ND		ug/kg	23	0.88	1
Cyclohexane	ND		ug/kg	23	1.2	1
1,4-Dioxane	ND		ug/kg	120	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-04	Date Collected:	02/27/14 12:40
Client ID:	SB-26_8.5-10.5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	23	0.32	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.52	1
Methyl cyclohexane	ND		ug/kg	4.6	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-05	Date Collected:	02/27/14 08:45
Client ID:	SB-20_3-5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/02/14 17:07		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.2	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.29	1
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.6	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.49	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.56	1
Trichlorofluoromethane	ND		ug/kg	8.1	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
1,1-Dichloropropene	ND		ug/kg	8.1	0.74	1
Bromoform	ND		ug/kg	6.4	0.67	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.4	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.1	1.3	1
Bromomethane	ND		ug/kg	3.2	0.54	1
Vinyl chloride	ND		ug/kg	3.2	0.23	1
Chloroethane	ND		ug/kg	3.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.1	0.39	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-05 Date Collected: 02/27/14 08:45

Client ID: SB-20_3-5 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.2	0.17	1
p/m-Xylene	ND		ug/kg	3.2	0.52	1
o-Xylene	ND		ug/kg	3.2	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.2	0.50	1
Dichlorodifluoromethane	ND		ug/kg	16	0.35	1
Acetone	9.2	J	ug/kg	16	5.0	1
Carbon disulfide	ND		ug/kg	16	3.2	1
2-Butanone	ND		ug/kg	16	0.57	1
Vinyl acetate	ND		ug/kg	16	0.77	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.39	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.36	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	8.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.1	0.36	1
1,2-Dibromoethane	ND		ug/kg	6.4	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.1	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.51	1
Bromobenzene	ND		ug/kg	8.1	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.33	1
tert-Butylbenzene	ND		ug/kg	8.1	0.90	1
o-Chlorotoluene	ND		ug/kg	8.1	0.26	1
p-Chlorotoluene	ND		ug/kg	8.1	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.1	0.68	1
Isopropylbenzene	ND		ug/kg	1.6	0.27	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.31	1
Naphthalene	ND		ug/kg	8.1	1.2	1
Acrylonitrile	ND		ug/kg	16	0.38	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.1	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.1	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.1	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.1	0.92	1
Methyl Acetate	ND		ug/kg	32	1.2	1
Cyclohexane	ND		ug/kg	32	1.7	1
1,4-Dioxane	ND		ug/kg	160	28.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-05	Date Collected:	02/27/14 08:45
Client ID:	SB-20_3-5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	32	0.44	1
p-Diethylbenzene	ND		ug/kg	6.4	0.26	1
p-Ethyltoluene	ND		ug/kg	6.4	0.19	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.4	0.21	1
Ethyl ether	ND		ug/kg	8.1	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.1	0.72	1
Methyl cyclohexane	ND		ug/kg	6.4	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-06	Date Collected:	02/27/14 15:15
Client ID:	SOFB02_022714	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/03/14 19:57		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-06 Date Collected: 02/27/14 15:15

Client ID: SOFB02_022714 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.5	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	4.5	J	ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-06	Date Collected:	02/27/14 15:15
Client ID:	SOFB02_022714	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-07	Date Collected:	02/27/14 00:00
Client ID:	SOTB04_022714	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/03/14 20:24		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-07 Date Collected: 02/27/14 00:00

Client ID: SOTB04_022714 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-07	Date Collected:	02/27/14 00:00
Client ID:	SOTB04_022714	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/02/14 09:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG673196-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/02/14 09:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG673196-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/02/14 09:39
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG673196-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/03/14 12:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG673457-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/03/14 12:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG673457-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/03/14 12:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG673457-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG673196-1 WG673196-2								
Methylene chloride	95		92		70-130	3		30
1,1-Dichloroethane	99		94		70-130	5		30
Chloroform	98		95		70-130	3		30
Carbon tetrachloride	105		99		70-130	6		30
1,2-Dichloropropane	98		94		70-130	4		30
Dibromochloromethane	89		94		70-130	5		30
1,1,2-Trichloroethane	91		92		70-130	1		30
Tetrachloroethene	98		92		70-130	6		30
Chlorobenzene	93		89		70-130	4		30
Trichlorofluoromethane	110		100		70-139	10		30
1,2-Dichloroethane	90		92		70-130	2		30
1,1,1-Trichloroethane	100		96		70-130	4		30
Bromodichloromethane	97		94		70-130	3		30
trans-1,3-Dichloropropene	95		94		70-130	1		30
cis-1,3-Dichloropropene	100		95		70-130	5		30
1,1-Dichloropropene	101		96		70-130	5		30
Bromoform	85		88		70-130	3		30
1,1,2,2-Tetrachloroethane	85		86		70-130	1		30
Benzene	96		91		70-130	5		30
Toluene	93		86		70-130	8		30
Ethylbenzene	93		87		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG673196-1 WG673196-2								
Chloromethane	99		86		52-130	14		30
Bromomethane	93		83		57-147	11		30
Vinyl chloride	104		92		67-130	12		30
Chloroethane	90		86		50-151	5		30
1,1-Dichloroethene	103		95		65-135	8		30
trans-1,2-Dichloroethene	101		94		70-130	7		30
Trichloroethene	96		90		70-130	6		30
1,2-Dichlorobenzene	86		83		70-130	4		30
1,3-Dichlorobenzene	90		88		70-130	2		30
1,4-Dichlorobenzene	91		86		70-130	6		30
Methyl tert butyl ether	97		98		66-130	1		30
p/m-Xylene	96		87		70-130	10		30
o-Xylene	95		92		70-130	3		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	94		92		70-130	2		30
Styrene	95		88		70-130	8		30
Dichlorodifluoromethane	100		86		30-146	15		30
Acetone	108		107		54-140	1		30
Carbon disulfide	95		89		59-130	7		30
2-Butanone	89		100		70-130	12		30
Vinyl acetate	96		100		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG673196-1 WG673196-2								
4-Methyl-2-pentanone	94		98		70-130	4		30
1,2,3-Trichloropropane	81		88		68-130	8		30
2-Hexanone	87		96		70-130	10		30
Bromochloromethane	100		97		70-130	3		30
2,2-Dichloropropane	103		97		70-130	6		30
1,2-Dibromoethane	88		93		70-130	6		30
1,3-Dichloropropane	88		92		69-130	4		30
1,1,1,2-Tetrachloroethane	92		89		70-130	3		30
Bromobenzene	90		86		70-130	5		30
n-Butylbenzene	94		85		70-130	10		30
sec-Butylbenzene	95		90		70-130	5		30
tert-Butylbenzene	92		86		70-130	7		30
o-Chlorotoluene	92		86		70-130	7		30
p-Chlorotoluene	88		89		70-130	1		30
1,2-Dibromo-3-chloropropane	82		84		68-130	2		30
Hexachlorobutadiene	93		86		67-130	8		30
Isopropylbenzene	91		89		70-130	2		30
p-Isopropyltoluene	94		89		70-130	5		30
Naphthalene	80		84		70-130	5		30
Acrylonitrile	97		99		70-130	2		30
Isopropyl Ether	100		96		66-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG673196-1 WG673196-2								
tert-Butyl Alcohol	89		95		70-130	7		30
n-Propylbenzene	92		87		70-130	6		30
1,2,3-Trichlorobenzene	85		87		70-130	2		30
1,2,4-Trichlorobenzene	89		88		70-130	1		30
1,3,5-Trimethylbenzene	90		88		70-130	2		30
1,2,4-Trimethylbenzene	92		87		70-130	6		30
Methyl Acetate	94		97		51-146	3		30
Ethyl Acetate	90		101		70-130	12		30
Acrolein	**55**	Q	**54**	Q	70-130	2		30
Cyclohexane	116		106		59-142	9		30
1,4-Dioxane	90		92		65-136	2		30
Freon-113	114		104		50-139	9		30
p-Diethylbenzene	93		89		70-130	4		30
p-Ethyltoluene	94		88		70-130	7		30
1,2,4,5-Tetramethylbenzene	90		85		70-130	6		30
Tetrahydrofuran	103		110		66-130	7		30
Ethyl ether	95		95		67-130	0		30
trans-1,4-Dichloro-2-butene	86		97		70-130	12		30
Methyl cyclohexane	113		103		70-130	9		30
Ethyl-Tert-Butyl-Ether	97		97		70-130	0		30
Tertiary-Amyl Methyl Ether	93		92		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG673196-1 WG673196-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	98		95		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	99		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG673457-1 WG673457-2								
Methylene chloride	91		93		70-130	2		20
1,1-Dichloroethane	100		109		70-130	9		20
Chloroform	96		109		70-130	13		20
2-Chloroethylvinyl ether	90		99		70-130	10		20
Carbon tetrachloride	93		99		63-132	6		20
1,2-Dichloropropane	102		109		70-130	7		20
Dibromochloromethane	91		97		63-130	6		20
1,1,2-Trichloroethane	103		108		70-130	5		20
Tetrachloroethene	88		96		70-130	9		20
Chlorobenzene	94		101		75-130	7		20
Trichlorofluoromethane	111		116		62-150	4		20
1,2-Dichloroethane	100		108		70-130	8		20
1,1,1-Trichloroethane	93		100		67-130	7		20
Bromodichloromethane	97		108		67-130	11		20
trans-1,3-Dichloropropene	97		109		70-130	12		20
cis-1,3-Dichloropropene	94		105		70-130	11		20
1,1-Dichloropropene	98		104		70-130	6		20
Bromoform	82		94		54-136	14		20
1,1,2,2-Tetrachloroethane	95		103		67-130	8		20
Benzene	100		110		70-130	10		20
Toluene	97		103		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG673457-1 WG673457-2								
Ethylbenzene	96		104		70-130	8		20
Chloromethane	114		119		64-130	4		20
Bromomethane	117		125		39-139	7		20
Vinyl chloride	110		118		55-140	7		20
Chloroethane	118		128		55-138	8		20
1,1-Dichloroethene	92		98		61-145	6		20
trans-1,2-Dichloroethene	89		98		70-130	10		20
Trichloroethene	94		103		70-130	9		20
1,2-Dichlorobenzene	89		98		70-130	10		20
1,3-Dichlorobenzene	90		99		70-130	10		20
1,4-Dichlorobenzene	89		98		70-130	10		20
Methyl tert butyl ether	90		98		63-130	9		20
p/m-Xylene	98		106		70-130	8		20
o-Xylene	98		105		70-130	7		20
cis-1,2-Dichloroethene	90		102		70-130	13		20
Dibromomethane	94		103		70-130	9		20
1,2,3-Trichloropropane	97		105		64-130	8		20
Acrylonitrile	105		110		70-130	5		20
Isopropyl Ether	104		118		70-130	13		20
tert-Butyl Alcohol	104		106		70-130	2		20
Styrene	90		98		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG673457-1 WG673457-2								
Dichlorodifluoromethane	102		100		36-147	2		20
Acetone	104		106		58-148	2		20
Carbon disulfide	95		101		51-130	6		20
2-Butanone	101		105		63-138	4		20
Vinyl acetate	108		113		70-130	5		20
4-Methyl-2-pentanone	86		89		59-130	3		20
2-Hexanone	83		86		57-130	4		20
Bromochloromethane	92		101		70-130	9		20
2,2-Dichloropropane	92		99		63-133	7		20
1,2-Dibromoethane	91		95		70-130	4		20
1,3-Dichloropropane	100		107		70-130	7		20
1,1,1,2-Tetrachloroethane	93		102		64-130	9		20
Bromobenzene	87		94		70-130	8		20
n-Butylbenzene	99		108		53-136	9		20
sec-Butylbenzene	96		106		70-130	10		20
tert-Butylbenzene	90		99		70-130	10		20
o-Chlorotoluene	90		98		70-130	9		20
p-Chlorotoluene	93		104		70-130	11		20
1,2-Dibromo-3-chloropropane	96		105		41-144	9		20
Hexachlorobutadiene	86		96		63-130	11		20
Isopropylbenzene	91		100		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG673457-1 WG673457-2								
p-Isopropyltoluene	94		104		70-130	10		20
Naphthalene	87		92		70-130	6		20
n-Propylbenzene	96		105		69-130	9		20
1,2,3-Trichlorobenzene	91		98		70-130	7		20
1,2,4-Trichlorobenzene	90		99		70-130	10		20
1,3,5-Trimethylbenzene	94		104		64-130	10		20
1,2,4-Trimethylbenzene	95		105		70-130	10		20
Methyl Acetate	106		108		70-130	2		20
Ethyl Acetate	102		108		70-130	6		20
Cyclohexane	111		117		70-130	5		20
Ethyl-Tert-Butyl-Ether	98		108		70-130	10		20
Tertiary-Amyl Methyl Ether	92		104		66-130	12		20
1,4-Dioxane	130		135		56-162	4		20
Freon-113	95		97		70-130	2		20
p-Diethylbenzene	91		101		70-130	10		20
p-Ethyltoluene	94		104		70-130	10		20
1,2,4,5-Tetramethylbenzene	87		99		70-130	13		20
Ethyl ether	91		97		59-134	6		20
trans-1,4-Dichloro-2-butene	83		90		70-130	8		20
Iodomethane	96		103		70-130	7		20
Methyl cyclohexane	99		107		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG673457-1 WG673457-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	94		98		70-130
Dibromofluoromethane	97		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673196-4 WG673196-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												
Methylene chloride	ND	22.6	19	84		19	83		70-130	1		30
1,1-Dichloroethane	ND	22.6	20	88		19	86		70-130	2		30
Chloroform	ND	22.6	19	83		19	83		70-130	0		30
Carbon tetrachloride	ND	22.6	21	94		21	94		70-130	0		30
1,2-Dichloropropane	ND	22.6	18	80		18	80		70-130	1		30
Dibromochloromethane	ND	22.6	15	**68**	Q	16	73		70-130	7		30
1,1,2-Trichloroethane	ND	22.6	16	70		17	74		70-130	6		30
Tetrachloroethene	ND	22.6	17	75		18	81		70-130	8		30
Chlorobenzene	ND	22.6	13	**59**	Q	16	71		70-130	18		30
Trichlorofluoromethane	ND	22.6	24	108		24	105		70-139	2		30
1,2-Dichloroethane	ND	22.6	18	79		18	81		70-130	3		30
1,1,1-Trichloroethane	ND	22.6	21	94		21	92		70-130	3		30
Bromodichloromethane	ND	22.6	17	76		18	80		70-130	6		30
trans-1,3-Dichloropropene	ND	22.6	12	**54**	Q	15	**66**	Q	70-130	20		30
cis-1,3-Dichloropropene	ND	22.6	15	**65**	Q	17	73		70-130	12		30
1,1-Dichloropropene	ND	22.6	19	86		20	88		70-130	3		30
Bromoform	ND	22.6	13	**59**	Q	16	**69**	Q	70-130	15		30
1,1,2,2-Tetrachloroethane	ND	22.6	15	**66**	Q	16	**69**	Q	70-130	5		30
Benzene	ND	22.6	19	82		19	85		70-130	3		30
Toluene	ND	22.6	16	70		18	78		70-130	11		30
Ethylbenzene	ND	22.6	15	**68**	Q	17	76		70-130	11		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673196-4 WG673196-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												
Chloromethane	ND	22.6	19	83		19	85		52-130	2		30
Bromomethane	ND	22.6	19	84		20	88		57-147	4		30
Vinyl chloride	ND	22.6	21	94		22	96		67-130	1		30
Chloroethane	ND	22.6	23	103		22	99		50-151	4		30
1,1-Dichloroethene	ND	22.6	20	89		20	87		65-135	2		30
trans-1,2-Dichloroethene	ND	22.6	17	77		19	84		70-130	9		30
Trichloroethene	ND	22.6	18	80		19	85		70-130	6		30
1,2-Dichlorobenzene	ND	22.6	8.8	**39**	Q	13	**58**	Q	70-130	**40**	Q	30
1,3-Dichlorobenzene	ND	22.6	8.7	**38**	Q	13	**59**	Q	70-130	**42**	Q	30
1,4-Dichlorobenzene	ND	22.6	7.9	**35**	Q	13	**56**	Q	70-130	**46**	Q	30
Methyl tert butyl ether	ND	22.6	18	79		17	77		66-130	3		30
p/m-Xylene	ND	45.2	30	**66**	Q	34	76		70-130	14		30
o-Xylene	ND	45.2	30	**66**	Q	34	75		70-130	14		30
cis-1,2-Dichloroethene	ND	22.6	17	76		18	80		70-130	6		30
Dibromomethane	ND	22.6	16	**69**	Q	17	74		70-130	8		30
Styrene	ND	45.2	22	**49**	Q	29	**65**	Q	70-130	28		30
Dichlorodifluoromethane	ND	22.6	20	89		19	86		30-146	4		30
Acetone	9.2J	22.6	21	92		21	92		54-140	0		30
Carbon disulfide	ND	22.6	17	75		19	82		59-130	9		30
2-Butanone	ND	22.6	18	81		18	78		70-130	4		30
Vinyl acetate	ND	22.6	7.0J	**31**	Q	9.8J	**43**	Q	70-130	**33**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673196-4 WG673196-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												
4-Methyl-2-pentanone	ND	22.6	18	80		17	76		70-130	5		30
1,2,3-Trichloropropane	ND	22.6	15	**66**	Q	16	69		68-130	3		30
2-Hexanone	ND	22.6	15	**66**	Q	16	70		70-130	5		30
Bromochloromethane	ND	22.6	17	77		18	81		70-130	6		30
2,2-Dichloropropane	ND	22.6	20	88		19	86		70-130	2		30
1,2-Dibromoethane	ND	22.6	14	**61**	Q	16	**69**	Q	70-130	13		30
1,3-Dichloropropane	ND	22.6	16	69		17	74		69-130	7		30
1,1,1,2-Tetrachloroethane	ND	22.6	17	73		17	76		70-130	4		30
Bromobenzene	ND	22.6	11	**47**	Q	14	**63**	Q	70-130	29		30
n-Butylbenzene	ND	22.6	11	**46**	Q	15	**65**	Q	70-130	**33**	Q	30
sec-Butylbenzene	ND	22.6	14	**62**	Q	16	73		70-130	17		30
tert-Butylbenzene	ND	22.6	15	**66**	Q	17	74		70-130	12		30
o-Chlorotoluene	ND	22.6	12	**53**	Q	15	**66**	Q	70-130	22		30
p-Chlorotoluene	ND	22.6	10	**44**	Q	14	**62**	Q	70-130	**34**	Q	30
1,2-Dibromo-3-chloropropane	ND	22.6	13	**55**	Q	16	70		68-130	23		30
Hexachlorobutadiene	ND	22.6	8.0	**36**	Q	13	**57**	Q	67-130	**46**	Q	30
Isopropylbenzene	ND	22.6	15	**68**	Q	17	76		70-130	10		30
p-Isopropyltoluene	ND	22.6	13	**57**	Q	16	70		70-130	20		30
Naphthalene	ND	22.6	4.2J	**19**	Q	11	**48**	Q	70-130	**88**	Q	30
Acrylonitrile	ND	22.6	17	75		17	77		70-130	2		30
Isopropyl Ether	ND	22.6	18	80		17	77		66-130	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673196-4 WG673196-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												
tert-Butyl Alcohol	ND	113	93	82		84	74			10		30
n-Propylbenzene	ND	22.6	14	**60**	Q	16	72		70-130	18		30
1,2,3-Trichlorobenzene	ND	22.6	4.2J	**18**	Q	10	**46**	Q	70-130	**85**	Q	30
1,2,4-Trichlorobenzene	ND	22.6	4.0J	**18**	Q	10	**45**	Q	70-130	**87**	Q	30
1,3,5-Trimethylbenzene	ND	22.6	14	**60**	Q	16	70		70-130	16		30
1,2,4-Trimethylbenzene	ND	22.6	12	**54**	Q	15	**68**	Q	70-130	23		30
Methyl Acetate	ND	22.6	17J	77		18.J	80		51-146	5		30
Ethyl Acetate	ND	22.6	14J	62		16.J	71			13		30
Acrolein	ND	22.6	16J	72		16.J	69			4		30
Cyclohexane	ND	22.6	22	99		22	99		59-142	0		30
1,4-Dioxane	ND	1130	1300	112		1000	90		65-136	22		30
Freon-113	ND	22.6	22	99		21.J	95		50-139	5		30
p-Diethylbenzene	ND	22.6	11	**48**	Q	15	**65**	Q	70-130	30		30
p-Ethyltoluene	ND	22.6	13	**58**	Q	16	70		70-130	20		30
1,2,4,5-Tetramethylbenzene	ND	22.6	8.8	**39**	Q	13	**59**	Q	70-130	**41**	Q	30
Tetrahydrofuran	ND	22.6	19J	85		19.J	85		66-130	0		30
Ethyl ether	ND	22.6	19	84		18	80		67-130	6		30
trans-1,4-Dichloro-2-butene	ND	22.6	11	**47**	Q	14	**60**	Q	70-130	25		30
Methyl cyclohexane	ND	22.6	21	91		22	96		70-130	5		30
Ethyl-Tert-Butyl-Ether	ND	22.6	18	78		17	76		70-130	2		30
Tertiary-Amyl Methyl Ether	ND	22.6	18	80		18	77		70-130	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673196-4 WG673196-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	101		100		70-130
Toluene-d8	95		95		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-01	D2	Date Collected:	02/27/14 08:40
Client ID:	SB-20_0-2		Date Received:	02/27/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	03/01/14 01:28
Analytical Date:	03/06/14 10:19			
Analyst:	JB			
Percent Solids:	88%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	39000		ug/kg	1100	340	10
Benzo(b)fluoranthene	16000		ug/kg	1100	380	10
Phenanthrene	34000		ug/kg	1100	360	10
Pyrene	34000		ug/kg	1100	360	10

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-01	D	Date Collected:	02/27/14 08:40
Client ID:	SB-20_0-2		Date Received:	02/27/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	03/01/14 01:28
Analytical Date:	03/05/14 20:41			
Analyst:	JB			
Percent Solids:	88%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2600		ug/kg	300	77.	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	120	2
Hexachlorobenzene	ND		ug/kg	220	69.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	370	120	2
1,2-Dichlorobenzene	ND		ug/kg	370	120	2
1,3-Dichlorobenzene	ND		ug/kg	370	120	2
1,4-Dichlorobenzene	ND		ug/kg	370	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	99.	2
2,4-Dinitrotoluene	ND		ug/kg	370	80.	2
2,6-Dinitrotoluene	ND		ug/kg	370	95.	2
Fluoranthene	36000	E	ug/kg	220	68.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	86.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	110	2
Hexachlorobutadiene	ND		ug/kg	370	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	99.	2
Naphthalene	3400		ug/kg	370	120	2
Nitrobenzene	ND		ug/kg	340	89.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	78.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	370	98.	2
Butyl benzyl phthalate	ND		ug/kg	370	73.	2
Di-n-butylphthalate	ND		ug/kg	370	72.	2
Di-n-octylphthalate	ND		ug/kg	370	92.	2
Diethyl phthalate	ND		ug/kg	370	79.	2
Dimethyl phthalate	ND		ug/kg	370	95.	2
Benzo(a)anthracene	13000		ug/kg	220	73.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-01 D Date Collected: 02/27/14 08:40
Client ID: SB-20_0-2 Date Received: 02/27/14
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	13000		ug/kg	300	91.	2
Benzo(b)fluoranthene	16000	E	ug/kg	220	75.	2
Benzo(k)fluoranthene	5900		ug/kg	220	71.	2
Chrysene	14000		ug/kg	220	73.	2
Acenaphthylene	3800		ug/kg	300	70.	2
Anthracene	6900		ug/kg	220	62.	2
Benzo(ghi)perylene	8400		ug/kg	300	77.	2
Fluorene	3100		ug/kg	370	110	2
Phenanthrene	32000	E	ug/kg	220	73.	2
Dibenzo(a,h)anthracene	1800		ug/kg	220	72.	2
Indeno(1,2,3-cd)Pyrene	9100		ug/kg	300	83.	2
Pyrene	31000	E	ug/kg	220	72.	2
Biphenyl	410	J	ug/kg	850	120	2
4-Chloroaniline	ND		ug/kg	370	98.	2
2-Nitroaniline	ND		ug/kg	370	100	2
3-Nitroaniline	ND		ug/kg	370	100	2
4-Nitroaniline	ND		ug/kg	370	100	2
Dibenzofuran	2500		ug/kg	370	120	2
2-Methylnaphthalene	1500		ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	120	2
Acetophenone	180	J	ug/kg	370	120	2
2,4,6-Trichlorophenol	ND		ug/kg	220	70.	2
P-Chloro-M-Cresol	ND		ug/kg	370	110	2
2-Chlorophenol	ND		ug/kg	370	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	240	J	ug/kg	370	110	2
2-Nitrophenol	ND		ug/kg	800	120	2
4-Nitrophenol	ND		ug/kg	520	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	510	2
4,6-Dinitro-o-cresol	ND		ug/kg	970	140	2
Pentachlorophenol	ND		ug/kg	300	80.	2
Phenol	ND		ug/kg	370	110	2
2-Methylphenol	150	J	ug/kg	370	120	2
3-Methylphenol/4-Methylphenol	480	J	ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	370	120	2
Benzoic Acid	1000	J	ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	370	110	2
Carbazole	3300		ug/kg	370	80.	2
Benzaldehyde	1400		ug/kg	490	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-01	D	Date Collected:	02/27/14 08:40
Client ID:	SB-20_0-2		Date Received:	02/27/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	370	100	2
Atrazine	ND		ug/kg	300	84.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	370	63.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	97		0-136
4-Terphenyl-d14	72		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-02	Date Collected:	02/27/14 08:55
Client ID:	SB-20_8-10	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/01/14 01:28
Analytical Date:	03/05/14 21:09		
Analyst:	JB		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	210		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	2300		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	85	J	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	990		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-02 Date Collected: 02/27/14 08:55

Client ID: SB-20_8-10 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	980		ug/kg	150	47.	1
Benzo(b)fluoranthene	1200		ug/kg	120	39.	1
Benzo(k)fluoranthene	480		ug/kg	120	37.	1
Chrysene	1100		ug/kg	120	38.	1
Acenaphthylene	94	J	ug/kg	150	36.	1
Anthracene	300		ug/kg	120	32.	1
Benzo(ghi)perylene	580		ug/kg	150	40.	1
Fluorene	140	J	ug/kg	190	55.	1
Phenanthrene	1900		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	160		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	600		ug/kg	150	43.	1
Pyrene	2000		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	99	J	ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	140	J	ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-02	Date Collected:	02/27/14 08:55
Client ID:	SB-20_8-10	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	81		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-03	D2	Date Collected:	02/27/14 12:30
Client ID:	SB-26_0-2		Date Received:	02/27/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	03/01/14 01:28
Analytical Date:	03/06/14 10:46			
Analyst:	JB			
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	21000		ug/kg	430	130	4
Phenanthrene	19000		ug/kg	430	140	4
Pyrene	17000		ug/kg	430	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-03	D	Date Collected:	02/27/14 12:30
Client ID:	SB-26_0-2		Date Received:	02/27/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	03/01/14 01:28
Analytical Date:	03/05/14 21:36			
Analyst:	JB			
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1200		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	19000	E	ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	920		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	6500		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-03 D Date Collected: 02/27/14 12:30
Client ID: SB-26_0-2 Date Received: 02/27/14
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	6300		ug/kg	290	88.	2
Benzo(b)fluoranthene	9000		ug/kg	220	73.	2
Benzo(k)fluoranthene	3200		ug/kg	220	69.	2
Chrysene	7700		ug/kg	220	71.	2
Acenaphthylene	610		ug/kg	290	67.	2
Anthracene	2600		ug/kg	220	60.	2
Benzo(ghi)perylene	4500		ug/kg	290	75.	2
Fluorene	1400		ug/kg	360	100	2
Phenanthrene	18000	E	ug/kg	220	70.	2
Dibenzo(a,h)anthracene	1200		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	5000		ug/kg	290	80.	2
Pyrene	15000	E	ug/kg	220	70.	2
Biphenyl	160	J	ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	1200		ug/kg	360	120	2
2-Methylnaphthalene	710		ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	2000		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-03	D	Date Collected:	02/27/14 12:30
Client ID:	SB-26_0-2		Date Received:	02/27/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	85		0-136
4-Terphenyl-d14	74		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-04	Date Collected:	02/27/14 12:40
Client ID:	SB-26_8.5-10.5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/01/14 01:28
Analytical Date:	03/05/14 22:02		
Analyst:	JB		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	57.	1
Hexachlorobenzene	ND		ug/kg	100	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	180	57.	1
1,2-Dichlorobenzene	ND		ug/kg	180	57.	1
1,3-Dichlorobenzene	ND		ug/kg	180	55.	1
1,4-Dichlorobenzene	ND		ug/kg	180	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	46.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	53.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	180	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	46.	1
Naphthalene	ND		ug/kg	180	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	44.	1
Benzo(a)anthracene	ND		ug/kg	100	34.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-04 Date Collected: 02/27/14 12:40

Client ID: SB-26_8.5-10.5 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	180	50.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	46.	1
2-Nitroaniline	ND		ug/kg	180	49.	1
3-Nitroaniline	ND		ug/kg	180	48.	1
4-Nitroaniline	ND		ug/kg	180	47.	1
Dibenzofuran	ND		ug/kg	180	58.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	54.	1
Acetophenone	ND		ug/kg	180	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	52.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	240	57.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	64.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	57.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	38.	1
Benzaldehyde	ND		ug/kg	230	71.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-04	Date Collected:	02/27/14 12:40
Client ID:	SB-26_8.5-10.5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	48.	1
Atrazine	ND		ug/kg	140	40.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	30.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	82		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-05	Date Collected:	02/27/14 08:45
Client ID:	SB-20_3-5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/01/14 01:28
Analytical Date:	03/05/14 22:28		
Analyst:	JB		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	400		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	4800		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	300		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	39.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1
Benzo(a)anthracene	2000		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-05 Date Collected: 02/27/14 08:45

Client ID: SB-20_3-5 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	1800		ug/kg	150	46.	1
Benzo(b)fluoranthene	2400		ug/kg	110	38.	1
Benzo(k)fluoranthene	820		ug/kg	110	36.	1
Chrysene	2400		ug/kg	110	37.	1
Acenaphthylene	210		ug/kg	150	35.	1
Anthracene	990		ug/kg	110	31.	1
Benzo(ghi)perylene	980		ug/kg	150	39.	1
Fluorene	470		ug/kg	190	53.	1
Phenanthrene	4600		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	280		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	1100		ug/kg	150	41.	1
Pyrene	4000		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	52.	1
3-Nitroaniline	ND		ug/kg	190	51.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	400		ug/kg	190	62.	1
2-Methylnaphthalene	200	J	ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	410		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	75.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-05	Date Collected:	02/27/14 08:45
Client ID:	SB-20_3-5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	51.	1
Atrazine	ND		ug/kg	150	42.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-06	Date Collected:	02/27/14 15:15
Client ID:	SOFB02_022714	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/28/14 01:29
Analytical Date:	03/03/14 15:46		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-06 Date Collected: 02/27/14 15:15

Client ID: SOFB02_022714 Date Received: 02/27/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	67		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-06	Date Collected:	02/27/14 15:15
Client ID:	SOFB02_022714	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/28/14 01:28
Analytical Date:	03/04/14 11:10		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.08	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	96		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/03/14 13:56
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 02/28/14 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG672807-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/03/14 13:56
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 02/28/14 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG672807-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	66		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/04/14 10:45
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 02/28/14 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG672808-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/04/14 10:45
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 02/28/14 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG672808-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	89		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/04/14 19:01
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 03/01/14 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG673054-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/04/14 19:01
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 03/01/14 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG673054-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/04/14 19:01
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 03/01/14 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG673054-1					
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	58		0-136
4-Terphenyl-d14	65		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG672807-2 WG672807-3								
1,2,4-Trichlorobenzene	**38**	Q	41		39-98	8		30
Bis(2-chloroethyl)ether	62		58		40-140	7		30
1,2-Dichlorobenzene	43		45		40-140	5		30
1,3-Dichlorobenzene	41		43		40-140	5		30
1,4-Dichlorobenzene	40		42		36-97	5		30
3,3'-Dichlorobenzidine	**38**	Q	50		40-140	27		30
2,4-Dinitrotoluene	68		76		24-96	11		30
2,6-Dinitrotoluene	72		83		40-140	14		30
4-Chlorophenyl phenyl ether	58		59		40-140	2		30
4-Bromophenyl phenyl ether	59		64		40-140	8		30
Bis(2-chloroisopropyl)ether	69		77		40-140	11		30
Bis(2-chloroethoxy)methane	77		60		40-140	25		30
Hexachlorocyclopentadiene	**23**	Q	**22**	Q	40-140	4		30
Isophorone	78		60		40-140	26		30
Nitrobenzene	53		66		40-140	22		30
NitrosoDiPhenylAmine(NDPA)/DPA	66		69		40-140	4		30
n-Nitrosodi-n-propylamine	74		69		29-132	7		30
Bis(2-Ethylhexyl)phthalate	79		86		40-140	8		30
Butyl benzyl phthalate	65		70		40-140	7		30
Di-n-butylphthalate	68		76		40-140	11		30
Di-n-octylphthalate	74		83		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG672807-2 WG672807-3								
Diethyl phthalate	70		72		40-140	3		30
Dimethyl phthalate	71		73		40-140	3		30
Biphenyl	50		54			8		30
4-Chloroaniline	58		66		40-140	13		30
2-Nitroaniline	68		80		52-143	16		30
3-Nitroaniline	40		48		25-145	18		30
4-Nitroaniline	67		71		51-143	6		30
Dibenzofuran	56		61		40-140	9		30
1,2,4,5-Tetrachlorobenzene	43		45		2-134	5		30
Acetophenone	71		69		39-129	3		30
2,4,6-Trichlorophenol	59		69		30-130	16		30
P-Chloro-M-Cresol	61		72		23-97	17		30
2-Chlorophenol	52		50		27-123	4		30
2,4-Dichlorophenol	58		56		30-130	4		30
2,4-Dimethylphenol	62		51		30-130	19		30
2-Nitrophenol	66		54		30-130	20		30
4-Nitrophenol	46		47		10-80	2		30
2,4-Dinitrophenol	59		56		20-130	5		30
4,6-Dinitro-o-cresol	70		71		20-164	1		30
Phenol	28		22		12-110	24		30
2-Methylphenol	47		48		30-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG672807-2 WG672807-3								
3-Methylphenol/4-Methylphenol	50		43		30-130	15		30
2,4,5-Trichlorophenol	63		73		30-130	15		30
Benzoic Acid	17		12			**34**	Q	30
Benzyl Alcohol	51		51			0		30
Carbazole	71		74		55-144	4		30
Benzaldehyde	57		46		40-140	21		30
Caprolactam	21		23		10-130	9		30
Atrazine	71		83		40-140	16		30
2,3,4,6-Tetrachlorophenol	64		70		54-145	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	33		31		21-120
Phenol-d6	23		22		10-120
Nitrobenzene-d5	66		66		23-120
2-Fluorobiphenyl	56		64		15-120
2,4,6-Tribromophenol	59		65		10-120
4-Terphenyl-d14	58		68		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG672808-2 WG672808-3								
Acenaphthene	48		50		37-111	4		40
2-Chloronaphthalene	48		51		40-140	6		40
Fluoranthene	68		67		40-140	1		40
Hexachlorobutadiene	44		47		40-140	7		40
Naphthalene	46		48		40-140	4		40
Benzo(a)anthracene	61		61		40-140	0		40
Benzo(a)pyrene	56		57		40-140	2		40
Benzo(b)fluoranthene	58		56		40-140	4		40
Benzo(k)fluoranthene	60		63		40-140	5		40
Chrysene	56		57		40-140	2		40
Acenaphthylene	54		56		40-140	4		40
Anthracene	52		53		40-140	2		40
Benzo(ghi)perylene	59		63		40-140	7		40
Fluorene	54		56		40-140	4		40
Phenanthrene	52		52		40-140	0		40
Dibenzo(a,h)anthracene	62		64		40-140	3		40
Indeno(1,2,3-cd)Pyrene	62		64		40-140	3		40
Pyrene	65		64		26-127	2		40
2-Methylnaphthalene	47		50		40-140	6		40
Pentachlorophenol	63		65		9-103	3		40
Hexachlorobenzene	54		55		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG672808-2 WG672808-3								
Hexachloroethane	41		44		40-140	7		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	23		24		21-120
Phenol-d6	14		14		10-120
Nitrobenzene-d5	45		47		23-120
2-Fluorobiphenyl	49		52		15-120
2,4,6-Tribromophenol	64		67		10-120
4-Terphenyl-d14	66		66		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG673054-2 WG673054-3								
Acenaphthene	65		67		31-137	3		50
1,2,4-Trichlorobenzene	65		63		38-107	3		50
Hexachlorobenzene	84		85		40-140	1		50
Bis(2-chloroethyl)ether	57		59		40-140	3		50
2-Chloronaphthalene	73		71		40-140	3		50
1,2-Dichlorobenzene	59		63		40-140	7		50
1,3-Dichlorobenzene	59		61		40-140	3		50
1,4-Dichlorobenzene	58		58		28-104	0		50
3,3'-Dichlorobenzidine	46		45		40-140	2		50
2,4-Dinitrotoluene	89		**91**	Q	28-89	2		50
2,6-Dinitrotoluene	87		89		40-140	2		50
Fluoranthene	80		81		40-140	1		50
4-Chlorophenyl phenyl ether	75		76		40-140	1		50
4-Bromophenyl phenyl ether	83		83		40-140	0		50
Bis(2-chloroisopropyl)ether	50		50		40-140	0		50
Bis(2-chloroethoxy)methane	63		65		40-117	3		50
Hexachlorobutadiene	64		67		40-140	5		50
Hexachlorocyclopentadiene	43		**39**	Q	40-140	10		50
Hexachloroethane	56		58		40-140	4		50
Isophorone	62		66		40-140	6		50
Naphthalene	60		61		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG673054-2 WG673054-3								
Nitrobenzene	64		62		40-140	3		50
NitrosoDiPhenylAmine(NDPA)/DPA	78		77			1		50
n-Nitrosodi-n-propylamine	60		63		32-121	5		50
Bis(2-Ethylhexyl)phthalate	69		72		40-140	4		50
Butyl benzyl phthalate	81		81		40-140	0		50
Di-n-butylphthalate	74		73		40-140	1		50
Di-n-octylphthalate	75		75		40-140	0		50
Diethyl phthalate	73		75		40-140	3		50
Dimethyl phthalate	73		75		40-140	3		50
Benzo(a)anthracene	73		74		40-140	1		50
Benzo(a)pyrene	72		75		40-140	4		50
Benzo(b)fluoranthene	71		72		40-140	1		50
Benzo(k)fluoranthene	72		72		40-140	0		50
Chrysene	75		75		40-140	0		50
Acenaphthylene	76		75		40-140	1		50
Anthracene	72		74		40-140	3		50
Benzo(ghi)perylene	67		72		40-140	7		50
Fluorene	73		73		40-140	0		50
Phenanthrene	70		73		40-140	4		50
Dibenzo(a,h)anthracene	70		74		40-140	6		50
Indeno(1,2,3-cd)Pyrene	68		71		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG673054-2 WG673054-3								
Pyrene	77		79		35-142	3		50
Biphenyl	66		66			0		50
4-Chloroaniline	**37**	Q	**38**	Q	40-140	3		50
2-Nitroaniline	91		93		47-134	2		50
3-Nitroaniline	45		45		26-129	0		50
4-Nitroaniline	74		77		41-125	4		50
Dibenzofuran	69		72		40-140	4		50
2-Methylnaphthalene	68		66		40-140	3		50
1,2,4,5-Tetrachlorobenzene	66		67		40-117	2		50
Acetophenone	66		68		14-144	3		50
2,4,6-Trichlorophenol	87		87		30-130	0		50
P-Chloro-M-Cresol	82		82		26-103	0		50
2-Chlorophenol	65		68		25-102	5		50
2,4-Dichlorophenol	75		75		30-130	0		50
2,4-Dimethylphenol	72		75		30-130	4		50
2-Nitrophenol	82		86		30-130	5		50
4-Nitrophenol	75		78		11-114	4		50
2,4-Dinitrophenol	102		101		4-130	1		50
4,6-Dinitro-o-cresol	108		109		10-130	1		50
Pentachlorophenol	82		81		17-109	1		50
Phenol	59		61		26-90	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG673054-2 WG673054-3								
2-Methylphenol	65		67		30-130.	3		50
3-Methylphenol/4-Methylphenol	70		73		30-130	4		50
2,4,5-Trichlorophenol	92		91		30-130	1		50
Benzoic Acid	57		55			4		50
Benzyl Alcohol	62		64		40-140	3		50
Carbazole	74		75		54-128	1		50
Benzaldehyde	51		50			2		50
Caprolactam	79		79			0		50
Atrazine	90		90			0		50
2,3,4,6-Tetrachlorophenol	85		90			6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		66		25-120
Phenol-d6	65		68		10-120
Nitrobenzene-d5	69		73		23-120
2-Fluorobiphenyl	74		75		30-120
2,4,6-Tribromophenol	93		94		0-136
4-Terphenyl-d14	83		85		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673054-4 WG673054-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												
Acenaphthene	400	1500	1300	60		1600	80		31-137	21		50
1,2,4-Trichlorobenzene	ND	1500	900	60		980	65		38-107	9		50
Hexachlorobenzene	ND	1500	1300	86		1300	87		40-140	0		50
Bis(2-chloroethyl)ether	ND	1500	750	50		850	57		40-140	13		50
2-Chloronaphthalene	ND	1500	1100	73		1100	73		40-140	0		50
1,2-Dichlorobenzene	ND	1500	780	52		850	57		40-140	9		50
1,3-Dichlorobenzene	ND	1500	740	49		820	55		40-140	10		50
1,4-Dichlorobenzene	ND	1500	740	49		820	55		28-104	10		50
3,3'-Dichlorobenzidine	ND	1500	610	41		680	45		40-140	11		50
2,4-Dinitrotoluene	ND	1500	1300	86		1400	**94**	Q	28-89	7		50
2,6-Dinitrotoluene	ND	1500	1300	86		1400	94		40-140	7		50
Fluoranthene	4800	1500	5000	**13**	Q	6900	140		40-140	32		50
4-Chlorophenyl phenyl ether	ND	1500	1100	73		1200	80		40-140	9		50
4-Bromophenyl phenyl ether	ND	1500	1200	80		1300	87		40-140	8		50
Bis(2-chloroisopropyl)ether	ND	1500	680	45		750	50		40-140	10		50
Bis(2-chloroethoxy)methane	ND	1500	920	61		1000	67		40-117	8		50
Hexachlorobutadiene	ND	1500	880	58		940	63		40-140	7		50
Hexachlorocyclopentadiene	ND	1500	200J	**13**	Q	210J	**14**	Q	40-140	5		50
Hexachloroethane	ND	1500	700	47		780	52		40-140	11		50
Isophorone	ND	1500	920	61		980	65		40-140	6		50
Naphthalene	300	1500	1100	53		1400	73		40-140	24		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673054-4 WG673054-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												
Nitrobenzene	ND	1500	870	58		910	61		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1500	1100	73		1100	73			0		50
n-Nitrosodi-n-propylamine	ND	1500	850	56		960	64		32-121	12		50
Bis(2-Ethylhexyl)phthalate	ND	1500	940	62		1000	67		40-140	6		50
Butyl benzyl phthalate	ND	1500	1100	73		1100	73		40-140	0		50
Di-n-butylphthalate	ND	1500	1000	66		1000	67		40-140	0		50
Di-n-octylphthalate	ND	1500	1000	66		1100	73		40-140	10		50
Diethyl phthalate	ND	1500	1100	73		1100	73		40-140	0		50
Dimethyl phthalate	ND	1500	1000	66		1100	73		40-140	10		50
Benzo(a)anthracene	2000	1500	2900	60		3800	120		40-140	27		50
Benzo(a)pyrene	1800	1500	2800	66		3500	110		40-140	22		50
Benzo(b)fluoranthene	2400	1500	3200	53		4100	110		40-140	25		50
Benzo(k)fluoranthene	820	1500	1900	72		2400	110		40-140	23		50
Chrysene	2400	1500	3100	47		4200	120		40-140	30		50
Acenaphthylene	210	1500	1300	72		1400	80		40-140	7		50
Anthracene	990	1500	1900	60		2200	81		40-140	15		50
Benzo(ghi)perylene	980	1500	1900	61		2400	95		40-140	23		50
Fluorene	470	1500	1400	62		1700	82		40-140	19		50
Phenanthrene	4600	1500	4400	**0**	Q	6400	120		40-140	37		50
Dibenzo(a,h)anthracene	280	1500	1200	61		1400	75		40-140	15		50
Indeno(1,2,3-cd)Pyrene	1100	1500	2000	60		2400	87		40-140	18		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673054-4 WG673054-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												
Pyrene	4000	1500	4500	**33**	Q	6200	**150**	Q	35-142	32		50
Biphenyl	ND	1500	1000	66		1100	73			10		50
4-Chloroaniline	ND	1500	530	**35**	Q	560	**37**	Q	40-140	6		50
2-Nitroaniline	ND	1500	1400	93		1400	94		47-134	0		50
3-Nitroaniline	ND	1500	820	54		890	59		26-129	8		50
4-Nitroaniline	ND	1500	780	52		930	62		41-125	18		50
Dibenzofuran	400	1500	1400	66		1600	80		40-140	13		50
2-Methylnaphthalene	200J	1500	1200	80		1300	87		40-140	8		50
1,2,4,5-Tetrachlorobenzene	ND	1500	1000	66		1100	73		40-117	10		50
Acetophenone	ND	1500	940	62		1000	67		14-144	6		50
2,4,6-Trichlorophenol	ND	1500	1200	80		1300	87		30-130	8		50
P-Chloro-M-Cresol	ND	1500	1200	80		1200	80		26-103	0		50
2-Chlorophenol	ND	1500	830	55		940	63		25-102	12		50
2,4-Dichlorophenol	ND	1500	1100	73		1100	73		30-130	0		50
2,4-Dimethylphenol	ND	1500	930	62		1000	67		30-130	7		50
2-Nitrophenol	ND	1500	1200	80		1300	87		30-130	8		50
4-Nitrophenol	ND	1500	800	53		850	57		11-114	6		50
2,4-Dinitrophenol	ND	1500	ND	**0**	Q	ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1500	580	39		540	36		10-130	7		50
Pentachlorophenol	ND	1500	720	48		680	45		17-109	6		50
Phenol	ND	1500	800	53		900	60		26-90	12		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673054-4 WG673054-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												
2-Methylphenol	ND	1500	850	56		990	66		30-130.	15		50
3-Methylphenol/4-Methylphenol	ND	1500	1000	66		1100	73		30-130	10		50
2,4,5-Trichlorophenol	ND	1500	1200	80		1400	94		30-130	15		50
Benzoic Acid	ND	1500	ND	0	Q	ND	0	Q		NC		50
Benzyl Alcohol	ND	1500	890	59		860	57		40-140	3		50
Carbazole	410	1500	1200	**52**	Q	1500	73		54-128	22		50
Benzaldehyde	ND	1500	1000	66		1100	73			10		50
Caprolactam	ND	1500	990	66		1000	67			1		50
Atrazine	ND	1500	1200	80		1300	87			8		50
2,3,4,6-Tetrachlorophenol	ND	1500	1100	73		1200	80			9		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	82		86		0-136
2-Fluorobiphenyl	72		77		30-120
2-Fluorophenol	49		56		25-120
4-Terphenyl-d14	76		80		18-120
Nitrobenzene-d5	66		73		23-120
Phenol-d6	56		64		10-120

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-01	Date Collected:	02/27/14 08:40
Client ID:	SB-20_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/02/14 12:36
Analytical Date:	03/03/14 18:16	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/03/14
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	2.98	1	A
Aroclor 1221	ND		ug/kg	37.7	3.47	1	A
Aroclor 1232	ND		ug/kg	37.7	4.42	1	A
Aroclor 1242	ND		ug/kg	37.7	4.61	1	A
Aroclor 1248	ND		ug/kg	37.7	3.18	1	A
Aroclor 1254	ND		ug/kg	37.7	3.10	1	A
Aroclor 1260	ND		ug/kg	37.7	2.87	1	A
Aroclor 1262	ND		ug/kg	37.7	1.87	1	A
Aroclor 1268	ND		ug/kg	37.7	5.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-02	Date Collected:	02/27/14 08:55
Client ID:	SB-20_8-10	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/02/14 12:36
Analytical Date:	03/03/14 18:29	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/03/14
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	2.94	1	A
Aroclor 1221	ND		ug/kg	37.2	3.43	1	A
Aroclor 1232	ND		ug/kg	37.2	4.36	1	A
Aroclor 1242	ND		ug/kg	37.2	4.55	1	A
Aroclor 1248	ND		ug/kg	37.2	3.14	1	A
Aroclor 1254	ND		ug/kg	37.2	3.05	1	A
Aroclor 1260	ND		ug/kg	37.2	2.83	1	A
Aroclor 1262	ND		ug/kg	37.2	1.84	1	A
Aroclor 1268	ND		ug/kg	37.2	5.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-03	Date Collected:	02/27/14 12:30
Client ID:	SB-26_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/02/14 12:36
Analytical Date:	03/03/14 18:43	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/03/14
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	2.75	1	A
Aroclor 1221	ND		ug/kg	34.9	3.21	1	A
Aroclor 1232	ND		ug/kg	34.9	4.08	1	A
Aroclor 1242	ND		ug/kg	34.9	4.27	1	A
Aroclor 1248	ND		ug/kg	34.9	2.94	1	A
Aroclor 1254	ND		ug/kg	34.9	2.86	1	A
Aroclor 1260	ND		ug/kg	34.9	2.66	1	A
Aroclor 1262	ND		ug/kg	34.9	1.73	1	A
Aroclor 1268	ND		ug/kg	34.9	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-04	Date Collected:	02/27/14 12:40
Client ID:	SB-26_8.5-10.5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/02/14 12:36
Analytical Date:	03/03/14 18:56	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/03/14
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	2.77	1	A
Aroclor 1221	ND		ug/kg	35.1	3.24	1	A
Aroclor 1232	ND		ug/kg	35.1	4.11	1	A
Aroclor 1242	ND		ug/kg	35.1	4.30	1	A
Aroclor 1248	ND		ug/kg	35.1	2.96	1	A
Aroclor 1254	ND		ug/kg	35.1	2.88	1	A
Aroclor 1260	ND		ug/kg	35.1	2.67	1	A
Aroclor 1262	ND		ug/kg	35.1	1.74	1	A
Aroclor 1268	ND		ug/kg	35.1	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-05	Date Collected:	02/27/14 08:45
Client ID:	SB-20_3-5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/02/14 12:36
Analytical Date:	03/03/14 19:09	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/03/14
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	2.88	1	A
Aroclor 1221	ND		ug/kg	36.4	3.36	1	A
Aroclor 1232	ND		ug/kg	36.4	4.27	1	A
Aroclor 1242	ND		ug/kg	36.4	4.46	1	A
Aroclor 1248	ND		ug/kg	36.4	3.08	1	A
Aroclor 1254	ND		ug/kg	36.4	3.00	1	A
Aroclor 1260	ND		ug/kg	36.4	2.78	1	A
Aroclor 1262	ND		ug/kg	36.4	1.81	1	A
Aroclor 1268	ND		ug/kg	36.4	5.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-06	Date Collected:	02/27/14 15:15
Client ID:	SOFB02_022714	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	02/28/14 04:18
Analytical Date:	02/28/14 16:11	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/28/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404281

Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/28/14 17:25
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 02/28/14 04:18
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/28/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 06 Batch: WG672825-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404281

Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/03/14 19:22
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/02/14 12:36
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/03/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/03/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG673136-1						
Aroclor 1016	ND		ug/kg	32.8	2.59	A
Aroclor 1221	ND		ug/kg	32.8	3.02	A
Aroclor 1232	ND		ug/kg	32.8	3.84	A
Aroclor 1242	ND		ug/kg	32.8	4.02	A
Aroclor 1248	ND		ug/kg	32.8	2.77	A
Aroclor 1254	ND		ug/kg	32.8	2.70	A
Aroclor 1260	ND		ug/kg	32.8	2.50	A
Aroclor 1262	ND		ug/kg	32.8	1.63	A
Aroclor 1268	ND		ug/kg	32.8	4.76	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	80		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673136-4 WG673136-5 QC Sample: L1404281-05 Client ID: SB-20_3-5													
Aroclor 1016	ND	231	80.4	**35**	Q	163	73		40-140	**68**	Q	50	A
Aroclor 1260	ND	231	65.5	**28**	Q	138	62		40-140	**71**	Q	50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		65		30-150	A
Decachlorobiphenyl	**27**	Q	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		63		30-150	B
Decachlorobiphenyl	32		62		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 06 Batch: WG672825-2 WG672825-3									
Aroclor 1016	55		54		40-140	2		50	A
Aroclor 1260	61		61		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		42		30-150	A
Decachlorobiphenyl	65		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		46		30-150	B
Decachlorobiphenyl	66		66		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG673136-2 WG673136-3									
Aroclor 1016	84		85		40-140	1		50	A
Aroclor 1260	86		87		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		79		30-150	A
Decachlorobiphenyl	74		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		75		30-150	B
Decachlorobiphenyl	83		79		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-01	Date Collected:	02/27/14 08:40
Client ID:	SB-20_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 00:19
Analytical Date:	03/03/14 23:39	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.718	0.321	1	A
Alpha-BHC	ND		ug/kg	0.718	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.653	1	A
Heptachlor	ND		ug/kg	0.861	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.969	1	A
Endrin	ND		ug/kg	0.718	0.294	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.08	0.538	1	A
4,4'-DDE	ND		ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.614	1	A
4,4'-DDT	ND		ug/kg	3.23	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.407	1	A
Endosulfan II	ND		ug/kg	1.72	0.575	1	A
Endosulfan sulfate	ND		ug/kg	0.718	0.342	1	A
Methoxychlor	ND		ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.04	1	A
cis-Chlordane	ND		ug/kg	2.15	0.600	1	A
trans-Chlordane	ND		ug/kg	2.15	0.568	1	A
Chlordane	ND		ug/kg	14.0	5.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	**366**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-01	Date Collected:	02/27/14 08:40
Client ID:	SB-20_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/28/14 06:38
Analytical Date:	03/03/14 20:34	Methylation Date:	03/03/14 14:06
Analyst:	SS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	23.0	1	A
2,4,5-T	ND		ug/kg	189	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	116		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-02	Date Collected:	02/27/14 08:55
Client ID:	SB-20_8-10	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 00:19
Analytical Date:	03/03/14 23:52	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.358	1	A
Lindane	ND		ug/kg	0.762	0.340	1	A
Alpha-BHC	ND		ug/kg	0.762	0.216	1	A
Beta-BHC	ND		ug/kg	1.83	0.693	1	A
Heptachlor	ND		ug/kg	0.914	0.410	1	A
Aldrin	ND		ug/kg	1.83	0.644	1	A
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1	A
Endrin	ND		ug/kg	0.762	0.312	1	A
Endrin ketone	ND		ug/kg	1.83	0.471	1	A
Dieldrin	ND		ug/kg	1.14	0.571	1	A
4,4'-DDE	ND		ug/kg	1.83	0.423	1	A
4,4'-DDD	ND		ug/kg	1.83	0.652	1	A
4,4'-DDT	ND		ug/kg	3.43	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.432	1	A
Endosulfan II	ND		ug/kg	1.83	0.611	1	A
Endosulfan sulfate	ND		ug/kg	0.762	0.362	1	A
Methoxychlor	ND		ug/kg	3.43	1.07	1	A
Toxaphene	ND		ug/kg	34.3	9.60	1	A
cis-Chlordane	ND		ug/kg	2.28	0.637	1	A
trans-Chlordane	ND		ug/kg	2.28	0.603	1	A
Chlordane	ND		ug/kg	14.8	6.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	**191**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-02	Date Collected:	02/27/14 08:55
Client ID:	SB-20_8-10	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/28/14 06:38
Analytical Date:	03/03/14 20:53	Methylation Date:	03/03/14 14:06
Analyst:	SS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	23.1	1	A
2,4,5-T	ND		ug/kg	190	11.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	118		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-03	Date Collected:	02/27/14 12:30
Client ID:	SB-26_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 01:10
Analytical Date:	03/04/14 00:05	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.849	0.380	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.955	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.70	0.392	1	A
4,4'-DDD	ND		ug/kg	1.70	0.605	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	ND		ug/kg	0.707	0.337	1	A
Methoxychlor	ND		ug/kg	3.18	0.990	1	A
Toxaphene	ND		ug/kg	31.8	8.91	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	13.8	5.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	**418**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-03	Date Collected:	02/27/14 12:30
Client ID:	SB-26_0-2	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/28/14 06:38
Analytical Date:	03/03/14 21:14	Methylation Date:	03/03/14 14:06
Analyst:	SS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	172	21.0	1	A
2,4,5-T	ND		ug/kg	172	10.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	172	9.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	98		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-04	Date Collected:	02/27/14 12:40
Client ID:	SB-26_8.5-10.5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 01:11
Analytical Date:	03/04/14 00:18	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.315	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.844	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.950	1	A
Endrin	ND		ug/kg	0.704	0.288	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.602	1	A
4,4'-DDT	ND		ug/kg	3.17	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.985	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	ND		ug/kg	2.11	0.588	1	A
trans-Chlordane	ND		ug/kg	2.11	0.557	1	A
Chlordane	ND		ug/kg	13.7	5.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-04	Date Collected:	02/27/14 12:40
Client ID:	SB-26_8.5-10.5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/28/14 06:38
Analytical Date:	03/03/14 21:34	Methylation Date:	03/03/14 14:06
Analyst:	SS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	175	21.3	1	A
2,4,5-T	ND		ug/kg	175	10.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	175	9.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	110		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-05	Date Collected:	02/27/14 08:45
Client ID:	SB-20_3-5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/01/14 01:24
Analytical Date:	03/04/14 00:31	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	03/03/14
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.977	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.344	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	ND		ug/kg	2.17	0.605	1	A
trans-Chlordane	ND		ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.1	5.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-05	Date Collected:	02/27/14 08:45
Client ID:	SB-20_3-5	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/28/14 06:38
Analytical Date:	03/03/14 21:53	Methylation Date:	03/03/14 14:06
Analyst:	SS		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	22.4	1	A
2,4,5-T	ND		ug/kg	185	11.5	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	131		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-06	Date Collected:	02/27/14 15:15
Client ID:	SOFB02_022714	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	02/28/14 06:51
Analytical Date:	03/02/14 00:07	Cleanup Method1:	EPA 3620B
Analyst:	TQ	Cleanup Date1:	02/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

SAMPLE RESULTS

Lab ID:	L1404281-06	Date Collected:	02/27/14 15:15
Client ID:	SOFB02_022714	Date Received:	02/27/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	02/28/14 08:39
Analytical Date:	03/03/14 18:54	Methylation Date:	03/01/14 10:34
Analyst:	SS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	95		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/03/14 22:13
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 02/28/14 06:38

Methylation Date: 03/03/14 14:06

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-05 Batch: WG672845-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.93	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	99		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/01/14 23:53
Analyst: TQ

Extraction Method: EPA 3510C
Extraction Date: 02/28/14 06:51
Cleanup Method1: EPA 3620B
Cleanup Date1: 02/28/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06 Batch: WG672847-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	146		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/03/14 19:14
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 02/28/14 08:39

Methylation Date: 03/01/14 10:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 06 Batch: WG672869-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	89		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/01/14 23:01
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 03/01/14 00:19
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/01/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG673041-1						
Delta-BHC	ND		ug/kg	1.60	0.313	A
Lindane	ND		ug/kg	0.665	0.297	A
Alpha-BHC	ND		ug/kg	0.665	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.605	A
Heptachlor	ND		ug/kg	0.798	0.358	A
Aldrin	ND		ug/kg	1.60	0.562	A
Heptachlor epoxide	ND		ug/kg	2.99	0.898	A
Endrin	ND		ug/kg	0.665	0.273	A
Endrin ketone	ND		ug/kg	1.60	0.411	A
Dieldrin	ND		ug/kg	0.998	0.499	A
4,4'-DDE	ND		ug/kg	1.60	0.369	A
4,4'-DDD	ND		ug/kg	1.60	0.570	A
4,4'-DDT	ND		ug/kg	2.99	1.28	A
Endosulfan I	ND		ug/kg	1.60	0.377	A
Endosulfan II	ND		ug/kg	1.60	0.534	A
Endosulfan sulfate	ND		ug/kg	0.665	0.317	A
Methoxychlor	ND		ug/kg	2.99	0.931	A
Toxaphene	ND		ug/kg	29.9	8.38	A
cis-Chlordane	ND		ug/kg	2.00	0.556	A
trans-Chlordane	ND		ug/kg	2.00	0.527	A
Chlordane	ND		ug/kg	13.0	5.29	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG672845-2 WG672845-3									
2,4-D	104		96		30-150	8		30	A
2,4,5-T	93		89		30-150	4		30	A
2,4,5-TP (Silvex)	87		82		30-150	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	76		73		30-150	A
DCAA	104		92		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG672847-2 WG672847-3									
Delta-BHC	83		91		30-150	9		20	A
Lindane	86		95		30-150	10		20	A
Alpha-BHC	86		94		30-150	9		20	A
Beta-BHC	81		90		30-150	10		20	A
Heptachlor	91		100		30-150	9		20	A
Aldrin	92		102		30-150	10		20	A
Heptachlor epoxide	91		101		30-150	10		20	A
Endrin	105		111		30-150	6		20	A
Endrin ketone	93		101		30-150	9		20	A
Dieldrin	105		108		30-150	3		20	A
4,4'-DDE	84		104		30-150	**22**	Q	20	A
4,4'-DDD	95		103		30-150	8		20	A
4,4'-DDT	108		118		30-150	9		20	A
Endosulfan I	84		105		30-150	**22**	Q	20	A
Endosulfan II	93		102		30-150	9		20	A
Endosulfan sulfate	94		102		30-150	8		20	A
Methoxychlor	95		106		30-150	11		20	A
cis-Chlordane	**236**	Q	104		30-150	**78**	Q	20	A
trans-Chlordane	90		100		30-150	10		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG672847-2 WG672847-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		83		30-150	A
Decachlorobiphenyl	85		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		75		30-150	B
Decachlorobiphenyl	100		85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404281

Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 06 Batch: WG672869-2 WG672869-3									
2,4-D	130		137		30-150	5		25	A
2,4,5-T	104		110		30-150	6		25	A
2,4,5-TP (Silvex)	102		106		30-150	4		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	93		97		30-150	A
DCAA	96		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG673041-2 WG673041-3									
Delta-BHC	58		75		30-150	26		30	A
Lindane	59		77		30-150	26		30	A
Alpha-BHC	61		79		30-150	26		30	A
Beta-BHC	58		75		30-150	26		30	A
Heptachlor	66		83		30-150	23		30	A
Aldrin	65		85		30-150	27		30	A
Heptachlor epoxide	63		82		30-150	26		30	A
Endrin	71		91		30-150	25		30	A
Endrin ketone	63		81		30-150	25		30	A
Dieldrin	67		86		30-150	25		30	A
4,4'-DDE	63		83		30-150	27		30	A
4,4'-DDD	64		82		30-150	25		30	A
4,4'-DDT	74		95		30-150	25		30	A
Endosulfan I	65		83		30-150	24		30	A
Endosulfan II	64		82		30-150	25		30	A
Endosulfan sulfate	65		80		30-150	21		30	A
Methoxychlor	66		82		30-150	22		30	A
cis-Chlordane	65		83		30-150	24		30	A
trans-Chlordane	62		80		30-150	25		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG673041-2 WG673041-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		65		30-150	A
Decachlorobiphenyl	66		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		56		30-150	B
Decachlorobiphenyl	71		87		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673041-4 WG673041-5 QC Sample: L1404281-05 Client ID: SB-20_3-5													
Delta-BHC	ND	36	23.0	64		19.4	54		30-150	17		50	A
Lindane	ND	36	24.2	67		19.0	53		30-150	24		50	A
Alpha-BHC	ND	36	26.1	72		21.3	60		30-150	20		50	A
Beta-BHC	ND	36	18.5	51		13.7	38		30-150	30		50	A
Heptachlor	ND	36	23.4	65		20.7	58		30-150	12		50	A
Aldrin	ND	36	22.9	64		20.3	57		30-150	12		50	A
Heptachlor epoxide	ND	36	22.9	64		19.0	53		30-150	19		50	A
Endrin	ND	36	23.4	65		18.2	51		30-150	25		50	A
Endrin ketone	ND	36	29.8	83		23.4	65		30-150	24		50	A
Dieldrin	ND	36	14.3	40		18.1	51		30-150	23		50	A
4,4'-DDE	ND	36	12.8	36		13.7	38		30-150	7		50	A
4,4'-DDD	ND	36	19.4	54		16.0	45		30-150	19		50	A
4,4'-DDT	ND	36	31.3	87		25.1	70		30-150	22		50	A
Endosulfan I	ND	36	16.7	46		17.4	49		30-150	4		50	A
Endosulfan II	ND	36	20.9	58		17.6	49		30-150	17		50	A
Endosulfan sulfate	ND	36	18.4	51		14.1	39		30-150	26		50	A
Methoxychlor	ND	36	26.4	73		23.6	66		30-150	11		50	A
cis-Chlordane	ND	36	19.5	54		16.5	46		30-150	17		50	A
trans-Chlordane	ND	36	20.1	56		16.6	46		30-150	19		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673041-4 WG673041-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		52		30-150	A
Decachlorobiphenyl	84		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		37		30-150	B
Decachlorobiphenyl	126		**156**	Q	30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-01
Client ID: SB-20_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 02/27/14 08:40
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4400		mg/kg	8.6	1.7	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Antimony, Total	2.7	J	mg/kg	4.3	0.69	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Arsenic, Total	11		mg/kg	0.86	0.17	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Barium, Total	45		mg/kg	0.86	0.26	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Beryllium, Total	0.13	J	mg/kg	0.43	0.09	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.86	0.06	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Calcium, Total	1200		mg/kg	43	13.	10	03/03/14 12:34	03/04/14 17:12	EPA 3050B	1,6010C	TT
Chromium, Total	23		mg/kg	0.86	0.17	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Cobalt, Total	3.1		mg/kg	1.7	0.43	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Copper, Total	50		mg/kg	0.86	0.17	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Iron, Total	33000		mg/kg	22	8.6	10	03/03/14 12:34	03/04/14 17:12	EPA 3050B	1,6010C	TT
Lead, Total	90		mg/kg	4.3	0.17	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Magnesium, Total	1200		mg/kg	8.6	0.86	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Manganese, Total	64		mg/kg	0.86	0.17	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Mercury, Total	0.36		mg/kg	0.08	0.02	1	03/03/14 10:23	03/03/14 12:23	EPA 7471B	1,7471B	MC
Nickel, Total	8.3		mg/kg	2.2	0.34	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Potassium, Total	600		mg/kg	220	34.	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Selenium, Total	0.64	J	mg/kg	1.7	0.26	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.86	0.17	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Sodium, Total	130	J	mg/kg	170	26.	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.86	0.09	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG
Zinc, Total	41		mg/kg	4.3	0.60	2	03/03/14 12:34	03/04/14 10:45	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-02
Client ID: SB-20_8-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 02/27/14 08:55
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8000		mg/kg	9.0	1.8	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.5	0.72	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Arsenic, Total	5.6		mg/kg	0.90	0.18	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Barium, Total	24		mg/kg	0.90	0.27	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.45	0.09	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.90	0.06	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Calcium, Total	5800		mg/kg	45	14.	10	03/03/14 12:34	03/04/14 17:16	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.90	0.18	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Cobalt, Total	18		mg/kg	1.8	0.45	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Copper, Total	54		mg/kg	0.90	0.18	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Iron, Total	19000		mg/kg	22	9.0	10	03/03/14 12:34	03/04/14 17:16	EPA 3050B	1,6010C	TT
Lead, Total	73		mg/kg	4.5	0.18	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Magnesium, Total	2300		mg/kg	9.0	0.90	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Manganese, Total	390		mg/kg	0.90	0.18	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/03/14 10:23	03/03/14 12:28	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.2	0.36	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Potassium, Total	740		mg/kg	220	36.	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.90	0.18	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Sodium, Total	110	J	mg/kg	180	27.	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Vanadium, Total	15		mg/kg	0.90	0.09	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG
Zinc, Total	110		mg/kg	4.5	0.63	2	03/03/14 12:34	03/04/14 10:49	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1404281
Project Number: 170229002
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-03
Client ID: SB-26_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 02/27/14 12:30
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4900		mg/kg	8.4	1.7	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Antimony, Total	2.2	J	mg/kg	4.2	0.67	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Arsenic, Total	24		mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Barium, Total	130		mg/kg	0.84	0.25	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Beryllium, Total	0.34	J	mg/kg	0.42	0.08	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.84	0.06	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Calcium, Total	8700		mg/kg	42	12.	10	03/03/14 12:34	03/04/14 17:20	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Cobalt, Total	8.3		mg/kg	1.7	0.42	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Copper, Total	91		mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Iron, Total	31000		mg/kg	21	8.4	10	03/03/14 12:34	03/04/14 17:20	EPA 3050B	1,6010C	TT
Lead, Total	370		mg/kg	4.2	0.17	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Magnesium, Total	2300		mg/kg	8.4	0.84	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Manganese, Total	450		mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Mercury, Total	0.50		mg/kg	0.08	0.02	1	03/03/14 10:23	03/03/14 12:30	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.1	0.33	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Potassium, Total	1100		mg/kg	210	33.	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Selenium, Total	4.4		mg/kg	1.7	0.25	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Silver, Total	0.19	J	mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Sodium, Total	82	J	mg/kg	170	25.	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.33	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Vanadium, Total	21		mg/kg	0.84	0.08	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG
Zinc, Total	200		mg/kg	4.2	0.58	2	03/03/14 12:34	03/04/14 11:21	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-04
Client ID: SB-26_8.5-10.5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 02/27/14 12:40
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4000		mg/kg	8.4	1.7	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.2	0.67	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Arsenic, Total	2.7		mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Barium, Total	140		mg/kg	0.84	0.25	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28	J	mg/kg	0.42	0.08	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.84	0.06	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Calcium, Total	16000		mg/kg	42	12.	10	03/03/14 12:34	03/04/14 17:41	EPA 3050B	1,6010C	TT
Chromium, Total	17		mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Cobalt, Total	11		mg/kg	1.7	0.42	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Copper, Total	17		mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Iron, Total	23000		mg/kg	21	8.4	10	03/03/14 12:34	03/04/14 17:41	EPA 3050B	1,6010C	TT
Lead, Total	9.1		mg/kg	4.2	0.17	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Magnesium, Total	6500		mg/kg	8.4	0.84	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Manganese, Total	4000		mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.07	0.02	1	03/03/14 10:23	03/03/14 12:32	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.34	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Potassium, Total	1400		mg/kg	210	34.	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.25	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Silver, Total	0.51	J	mg/kg	0.84	0.17	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Sodium, Total	79	J	mg/kg	170	25.	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.84	0.08	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG
Zinc, Total	44		mg/kg	4.2	0.59	2	03/03/14 12:34	03/04/14 11:25	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1404281
Project Number: 170229002
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-05
Client ID: SB-20_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 02/27/14 08:45
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	8.7	1.7	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Antimony, Total	1.1	J	mg/kg	4.4	0.70	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Arsenic, Total	15		mg/kg	0.87	0.17	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Barium, Total	85		mg/kg	0.87	0.26	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Beryllium, Total	0.96		mg/kg	0.44	0.09	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Cadmium, Total	0.11	J	mg/kg	0.87	0.06	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Calcium, Total	22000		mg/kg	44	13.	10	03/03/14 12:34	03/04/14 16:57	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.87	0.17	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Cobalt, Total	10		mg/kg	1.7	0.44	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Copper, Total	170		mg/kg	0.87	0.17	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Iron, Total	25000		mg/kg	22	8.7	10	03/03/14 12:34	03/04/14 16:57	EPA 3050B	1,6010C	TT
Lead, Total	780		mg/kg	4.4	0.17	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Magnesium, Total	2000		mg/kg	8.7	0.87	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Manganese, Total	440		mg/kg	0.87	0.17	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Mercury, Total	0.77		mg/kg	0.07	0.02	1	03/06/14 08:56	03/06/14 11:28	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.2	0.35	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Potassium, Total	970		mg/kg	220	35.	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Selenium, Total	0.71	J	mg/kg	1.7	0.26	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Sodium, Total	1300		mg/kg	170	26.	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	0.87	0.09	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG
Zinc, Total	140		mg/kg	4.4	0.61	2	03/03/14 12:34	03/04/14 10:30	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1404281
Project Number: 170229002
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-06
Client ID: SOFB02_022714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 02/27/14 15:15
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Antimony, Total	0.00097	J	mg/l	0.00100	0.00010	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Barium, Total	0.00016	J	mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Chromium, Total	0.00030	J	mg/l	0.00100	0.00020	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Copper, Total	0.00013	J	mg/l	0.00100	0.00010	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Manganese, Total	ND		mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/01/14 09:24	03/01/14 12:51	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Sodium, Total	0.0286	J	mg/l	0.100	0.0150	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM
Zinc, Total	0.00290	J	mg/l	0.01000	0.00120	1	02/28/14 08:10	02/28/14 16:57	EPA 3005A	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 06 Batch: WG672853-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Chromium, Total	0.00025	J	mg/l	0.00100	0.00020	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Copper, Total	0.00017	J	mg/l	0.00100	0.00010	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Manganese, Total	ND		mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Sodium, Total	0.0287	J	mg/l	0.100	0.0150	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM
Zinc, Total	0.00214	J	mg/l	0.01000	0.00120	1	02/28/14 08:10	02/28/14 16:32	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 06 Batch: WG673076-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/01/14 09:24	03/01/14 12:30	1,7470A	AK

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG673179-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/03/14 10:23	03/03/14 12:06	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-05 Batch: WG673256-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	03/03/14 12:34	03/04/14 16:50	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Iron, Total	1.4	J	mg/kg	2.0	0.80	1	03/03/14 12:34	03/04/14 16:50	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Magnesium, Total	0.64	J	mg/kg	4.0	0.40	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Manganese, Total	0.11	J	mg/kg	0.40	0.08	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND	mg/kg	2.0	0.28	1	03/03/14 12:34	03/04/14 10:23	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05 Batch: WG673685-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/06/14 08:56	03/06/14 11:24	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 Batch: WG672853-2								
Aluminum, Total	103		-		80-120	-		
Antimony, Total	87		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	100		-		80-120	-		
Cadmium, Total	98		-		80-120	-		
Calcium, Total	98		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Cobalt, Total	97		-		80-120	-		
Copper, Total	101		-		80-120	-		
Iron, Total	100		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	95		-		80-120	-		
Nickel, Total	100		-		80-120	-		
Potassium, Total	101		-		80-120	-		
Selenium, Total	104		-		80-120	-		
Silver, Total	96		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	97		-		80-120	-		
Vanadium, Total	94		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 Batch: WG672853-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 06 Batch: WG673076-2					
Mercury, Total	111	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG673179-2 SRM Lot Number: 0518-10-02					
Mercury, Total	127	-	67-133	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG673256-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	92	-	29-171	-	
Antimony, Total	112	-	4-196	-	
Arsenic, Total	100	-	81-119	-	
Barium, Total	96	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	97	-	80-119	-	
Cobalt, Total	95	-	83-117	-	
Copper, Total	92	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	93	-	80-120	-	
Magnesium, Total	88	-	74-126	-	
Manganese, Total	100	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	98	-	66-134	-	
Sodium, Total	100	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 Batch: WG673256-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 05 Batch: WG673685-2 SRM Lot Number: 0518-10-02					
Mercury, Total	111	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG672853-3 WG672853-4 QC Sample: L1404174-03 Client ID: MS Sample												
Aluminum, Total	0.302	2	2.41	105		2.36	103		75-125	2		20
Antimony, Total	ND	0.5	0.4751	95		0.4748	95		75-125	0		20
Arsenic, Total	0.0043J	0.12	0.1300	108		0.1291	108		75-125	1		20
Barium, Total	0.2005	2	2.137	97		2.142	97		75-125	0		20
Beryllium, Total	ND	0.05	0.05035	101		0.05124	102		75-125	2		20
Cadmium, Total	ND	0.051	0.05043	99		0.05025	98		75-125	0		20
Calcium, Total	59.5	10	68.1	86		66.7	**72**	Q	75-125	2		20
Chromium, Total	ND	0.2	0.1985	99		0.1937	97		75-125	2		20
Cobalt, Total	ND	0.5	0.4915	98		0.4783	96		75-125	3		20
Copper, Total	0.0087J	0.25	0.2627	105		0.2563	102		75-125	2		20
Iron, Total	10.2	1	10.8	**60**	Q	10.7	**50**	Q	75-125	1		20
Lead, Total	0.0074J	0.51	0.5280	104		0.5241	103		75-125	1		20
Magnesium, Total	5.09	10	15.5	104		15.4	103		75-125	1		20
Manganese, Total	1.132	0.5	1.607	95		1.567	87		75-125	3		20
Nickel, Total	0.0035J	0.5	0.5091	102		0.5010	100		75-125	2		20
Potassium, Total	3.82	10	13.9	101		13.6	98		75-125	2		20
Selenium, Total	ND	0.12	0.124	103		0.126	105		75-125	2		20
Silver, Total	ND	0.05	0.04724	94		0.04761	95		75-125	1		20
Sodium, Total	14.4	10	24.5	101		24.2	98		75-125	1		20
Thallium, Total	0.0005J	0.12	0.1190	99		0.1184	99		75-125	1		20
Vanadium, Total	0.0036J	0.5	0.4818	96		0.4721	94		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG672853-3 WG672853-4 QC Sample: L1404174-03 Client ID: MS Sample										
Zinc, Total	0.0664J	0.5	0.5589	112		0.5666	113	75-125	1	20
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG673076-4 QC Sample: L1404238-01 Client ID: MS Sample										
Mercury, Total	0.01354	0.025	0.02975	**65**	Q	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG673179-4 QC Sample: L1404280-01 Client ID: MS Sample										
Mercury, Total	0.27	0.171	0.48	**122**	Q	-	-	80-120	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673256-3 WG673256-4 QC Sample: L1404281-05 Client ID: SB-20_3-5

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Aluminum, Total	13000	171	12000	**0**	Q	12000	**0**	Q	75-125	0		35
Antimony, Total	1.1J	42.8	35	82		35	81		75-125	0		35
Arsenic, Total	15.	10.3	25	97		24	87		75-125	4		35
Barium, Total	85.	171	280	114		260	102		75-125	7		35
Beryllium, Total	0.96	4.28	5.4	104		5.1	96		75-125	6		35
Cadmium, Total	0.11J	4.36	3.9	89		3.6	82		75-125	8		35
Calcium, Total	22000	855	20000	**0**	Q	16000	**0**	Q	75-125	22		35
Chromium, Total	10.	17.1	33	**134**	Q	35	**145**	Q	75-125	6		35
Cobalt, Total	10.	42.8	47	86		46	84		75-125	2		35
Copper, Total	170	21.4	200	**140**	Q	160	**0**	Q	75-125	22		35
Iron, Total	25000	85.5	27000	**2340**	Q	33000	**9300**	Q	75-125	20		35
Lead, Total	780	43.6	700	**0**	Q	420	**0**	Q	75-125	**50**	Q	35
Magnesium, Total	2000	855	3600	**187**	Q	3100	**128**	Q	75-125	15		35
Manganese, Total	440	42.8	550	**257**	Q	430	**0**	Q	75-125	24		35
Nickel, Total	15.	42.8	55	94		52	86		75-125	6		35
Potassium, Total	970	855	2200	**144**	Q	2300	**154**	Q	75-125	4		35
Selenium, Total	0.71J	10.3	9.3	91		9.2	89		75-125	1		35
Silver, Total	ND	25.7	27	105		25	97		75-125	8		35
Sodium, Total	1300	855	1900	**70**	Q	1800	**58**	Q	75-125	5		35
Thallium, Total	ND	10.3	8.0	78		7.8	76		75-125	3		35
Vanadium, Total	14.	42.8	69	**128**	Q	73	**137**	Q	75-125	6		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673256-3 WG673256-4 QC Sample: L1404281-05 Client ID: SB-20_3-5												
Zinc, Total	140	42.8	260	**280**	Q	210	**163**	Q	75-125	21		35
Total Metals - Westborough Lab Associated sample(s): 05 QC Batch ID: WG673685-3 WG673685-4 QC Sample: L1404281-05 Client ID: SB-20_3-5												
Mercury, Total	0.77	0.165	0.74	**0**	Q	0.50	**0**	Q	80-120	**39**	Q	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06 QC Batch ID: WG673076-3 QC Sample: L1404238-01 Client ID: DUP Sample						
Mercury, Total	0.01354	0.00853	mg/l	**45**	Q	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG673179-3 QC Sample: L1404280-01 Client ID: DUP Sample						
Mercury, Total	0.27	0.60	mg/kg	**76**	Q	35

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-01
Client ID: SB-20_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/27/14 08:40
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	23		mg/kg	0.91	0.91	1	-	03/05/14 16:20	107,-	EL
Solids, Total	87.6		%	0.100	NA	1	-	02/28/14 01:13	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	02/28/14 14:40	02/28/14 17:15	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.91	0.18	1	03/03/14 18:00	03/04/14 21:56	1,7196A	TA

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-02
Client ID: SB-20_8-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/27/14 08:55
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.94	0.94	1	-	03/05/14 16:20	107,-	EL
Solids, Total	85.1		%	0.100	NA	1	-	02/28/14 01:13	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	02/28/14 14:40	02/28/14 17:16	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	03/03/14 18:00	03/04/14 21:57	1,7196A	TA

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-03
Client ID: SB-26_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/27/14 12:30
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.87	0.87	1	-	03/05/14 16:20	107,-	EL
Solids, Total	91.7		%	0.100	NA	1	-	02/28/14 01:13	30,2540G	RT
Cyanide, Total	0.32	J	mg/kg	1.1	0.25	1	02/28/14 14:40	02/28/14 17:17	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	03/03/14 18:00	03/04/14 21:57	1,7196A	TA

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-04
Client ID: SB-26_8.5-10.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/27/14 12:40
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	17		mg/kg	0.87	0.87	1	-	03/05/14 16:20	107,-	EL
Solids, Total	92.2		%	0.100	NA	1	-	02/28/14 01:13	30,2540G	RT
Cyanide, Total	0.47	J	mg/kg	1.0	0.24	1	02/28/14 14:40	02/28/14 17:18	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	03/03/14 18:00	03/04/14 21:58	1,7196A	TA

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-05
Client ID: SB-20_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 02/27/14 08:45
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.90	0.90	1	-	03/05/14 16:20	107,-	EL
Solids, Total	88.5		%	0.100	NA	1	-	02/28/14 01:13	30,2540G	RT
Cyanide, Total	0.26	J	mg/kg	1.0	0.24	1	02/28/14 14:40	02/28/14 17:19	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.90	0.18	1	03/03/14 18:00	03/04/14 21:58	1,7196A	TA

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

SAMPLE RESULTS

Lab ID: L1404281-06
Client ID: SOFB02_022714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 02/27/14 15:15
Date Received: 02/27/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/05/14 17:55	107,-	JO
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	02/28/14 08:50	02/28/14 16:27	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	02/28/14 03:30	02/28/14 03:51	1,7196A	DE

Project Name: GREENPOINT LANDING **Lab Number:** L1404281

Project Number: 170229002 **Report Date:** 03/06/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG672818-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	02/28/14 03:30	02/28/14 03:51	1,7196A	DE
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG672851-1										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	02/28/14 08:50	02/28/14 16:15	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG672890-1										
Cyanide, Total	ND		mg/kg	0.89	0.21	1	02/28/14 14:40	02/28/14 17:12	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG673338-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	03/03/14 18:00	03/04/14 21:53	1,7196A	TA

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG672818-2								
Chromium, Hexavalent	96		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG672851-2 WG672851-3								
Cyanide, Total	103		104		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG672890-2 WG672890-3								
Cyanide, Total	101		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG673338-2								
Chromium, Hexavalent	98		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG672818-4 QC Sample: L1404281-06 Client ID: SOFB02_022714												
Chromium, Hexavalent	ND	0.1	0.092	92		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG672851-4 WG672851-5 QC Sample: L1404271-04 Client ID: MS Sample												
Cyanide, Total	0.003J	0.2	0.193	96		0.194	97		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG672890-4 WG672890-5 QC Sample: L1404281-05 Client ID: SB-20_3-5												
Cyanide, Total	0.26J	10	9.7	93		10	92		65-135	3		35
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673338-5 WG673338-6 QC Sample: L1404281-05 Client ID: SB-20_3-5												
Chromium, Hexavalent	ND	1470	1100	76		1000	**71**	Q	75-125	5		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG672801-1 QC Sample: L1404268-01 Client ID: DUP Sample						
Solids, Total	91.2	91.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG672818-3 QC Sample: L1404281-06 Client ID: SOFB02_022714						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG673338-4 QC Sample: L1404281-05 Client ID: SB-20_3-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 02/28/2014 01:00

Cooler Information	Custody Seal
Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404281-01A	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-01B	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-01C	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-01D	Plastic 2oz unpreserved for TS	A	N/A	3.6	Y	Absent	TS(7)
L1404281-01E	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-01F	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-01X	Vial MeOH preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-01Y	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-01Z	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-02A	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404281-02B	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-02C	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-02D	Plastic 2oz unpreserved for TS	A	N/A	3.6	Y	Absent	TS(7)
L1404281-02E	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-02F	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-02X	Vial MeOH preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-02Y	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-02Z	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-03A	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-03B	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-03C	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-03D	Plastic 2oz unpreserved for TS	A	N/A	3.6	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404281-03E	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-03F	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-03X	Vial MeOH preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-03Y	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-03Z	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-04A	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-04B	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-04C	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-04D	Plastic 2oz unpreserved for TS	A	N/A	3.6	Y	Absent	TS(7)
L1404281-04E	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404281-04F	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-04X	Vial MeOH preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-04Y	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-04Z	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-05A	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-05A1	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-05B	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-05B1	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-05C	5 gram Encore Sampler	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(2)
L1404281-05C1	Vial water preserved	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-05D	Plastic 2oz unpreserved for TS	A	N/A	3.6	Y	Absent	TS(7)
L1404281-05D1	Plastic 2oz unpreserved for TS	A	N/A	3.6	Y	Absent	TS(7)
L1404281-05E	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404281-05E1	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-05F	Amber 500ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-05F1	Amber 250ml unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1404281-05X	Vial MeOH preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-05Y	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-05Z	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-05Z1	Vial Water preserved split	A	N/A	3.6	Y	Absent	NYTCL-8260HLW(14)
L1404281-06A	Vial HCl preserved	B	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1404281-06B	Vial HCl preserved	B	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1404281-06C	Vial HCl preserved	B	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1404281-06D	Plastic 250ml NaOH preserved	B	>12	3.0	Y	Absent	TCN-9010(14)
L1404281-06E	Plastic 500ml unpreserved	B	7	3.0	Y	Absent	HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404281
Report Date: 03/06/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404281-06F	Amber 500ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8081(7)
L1404281-06G	Amber 500ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8081(7)
L1404281-06H	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404281-06I	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404281-06J	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1404281-06K	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1404281-06L	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	HERB-APA(7)
L1404281-06M	Amber 1000ml unpreserved	B	7	3.0	Y	Absent	HERB-APA(7)
L1404281-06N	Plastic 500ml HNO3 preserved	B	<2	3.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404281-07A	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404281-07B	Vial HCl preserved	A	N/A	3.6	Y	Absent	NYTCL-8260(14)

Container Comments

L1404281-01E

L1404281-02E

L1404281-05F1

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404281
Project Number:	170229002	**Report Date:**	03/06/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404281
Project Number:	170229002	**Report Date:**	03/06/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1404281
Project Number: 170229002 **Report Date:** 03/06/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:03061415:37

SOIL

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/27/14

ALPHA Job #: L1404281

Client Information

Client: LANGAN D.P.C.

Address:

Phone:

Fax:

Email: GWYKA@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAYGORODETSKY

ALPHA Quote #: 2014148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/6/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC

Criteria: PART 375 UUSCO/CP-51 SCO's

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDDS

2) PROVIDE ASP CATEGORY B DELIVERABLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TAL LIST VOCs	SVOCs	PCBs	PESTS	HERBS	METALS	CYANIDE	TRIVALENT CHROMIUM	HEX CHROMIUM				Sample Specific Comments	TOTAL # BOTTLES
04281-01	SB-20_0-2	2/27/14	8:40	SOIL	[illegible]	X	X	X	X	X	X	X	X	X				(3) ENCORE + SOLIDS JAR (2) LARGE AMBER JARS	
-02	SB-20_8-10		8:55			X	X	X	X	X	X	X	X	X					
-03	SB-26_0-2		12:30			X	X	X	X	X	X	X	X	X					
-04	SB-26_8.5-10.5		12:40			X	X	X	X	X	X	X	X	X					
-05	SB-20_3-5_MS		8:45			X	X	X	X	X	X	X	X	X					
↓	SB-20_3-5_MSD		8:45			X	X	X	X	X	X	X	X	X					
-06	SOTB02_022714		15:15	Aq.		X	X	X	X	X	X	X	X	X					
-07	SOTB04_022714		-	Aq.		X												(2) VOAs	

SAMPLE HANDLING

Filtration ____

☐ Done

☐ Not needed

☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	2/27/14 1605	[signature] 2/27/14	1605
[signature]	2-27-14 1728	Tom Tobin	2-27-14 1728
Tom Tobin	2-27-14 22:20	[signature]	2/27/14 22:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX K

LABORATORY ANALYTICAL DATA REPORTS - GROUNDWATER

ANALYTICAL REPORT

Lab Number:	L1404776
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	03/13/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404776-01	MW-17_030614	BROOKLYN, NY	03/06/14 14:30
L1404776-02	MW-25_030614	BROOKLYN, NY	03/06/14 16:00
L1404776-03	GWDUP01_030614	BROOKLYN, NY	03/06/14 00:00
L1404776-04	GWTB01_030614	BROOKLYN, NY	03/06/14 00:00
L1404776-05	GWTB02_030614	BROOKLYN, NY	03/06/14 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1404776
Project Number: 170229002 **Report Date:** 03/13/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1404776
Project Number: 170229002 **Report Date:** 03/13/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Herbicides

L1404776-01 and -03 have elevated detection limits due to limited sample volumes available for analysis.
The surrogate recoveries for L1404776-02 were outside the acceptance criteria for dcaa(13%/12%); however, re-extraction achieved similar results for dcaa (22%/19%). The results of both extractions are reported.

Dissolved Metals

L1404776-01, -02, and -03 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.
The WG674783-4 MS recoveries for calcium (40%),manganese (40%), and sodium (60%), performed on L1404776-01, do not apply because the sample concentrations are greater than four times the spike amount added.

Total Metals

L1404776-01, -02, and -03 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 03/13/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-01	Date Collected:	03/06/14 14:30
Client ID:	MW-17_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/11/14 14:11		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-01 Date Collected: 03/06/14 14:30

Client ID: MW-17_030614 Date Received: 03/06/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.80	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-01	Date Collected:	03/06/14 14:30
Client ID:	MW-17_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-02	Date Collected:	03/06/14 16:00
Client ID:	MW-25_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/11/14 14:47		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-02 Date Collected: 03/06/14 16:00

Client ID: MW-25_030614 Date Received: 03/06/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-02	Date Collected:	03/06/14 16:00
Client ID:	MW-25_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-03	Date Collected:	03/06/14 00:00
Client ID:	GWDUP01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/11/14 15:24		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-03 Date Collected: 03/06/14 00:00

Client ID: GWDUP01_030614 Date Received: 03/06/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.5		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.79	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-03	Date Collected:	03/06/14 00:00
Client ID:	GWDUP01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-04	Date Collected:	03/06/14 00:00
Client ID:	GWTB01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/11/14 16:01		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-04 Date Collected: 03/06/14 00:00

Client ID: GWTB01_030614 Date Received: 03/06/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-04	Date Collected:	03/06/14 00:00
Client ID:	GWTB01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-05	Date Collected:	03/06/14 00:00
Client ID:	GWTB02_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/11/14 16:38		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-05 Date Collected: 03/06/14 00:00

Client ID: GWTB02_030614 Date Received: 03/06/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-05	Date Collected:	03/06/14 00:00
Client ID:	GWTB02_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/14 12:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG674859-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/14 12:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG674859-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/11/14 12:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG674859-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG674859-1 WG674859-2								
Methylene chloride	102		97		70-130	5		20
1,1-Dichloroethane	93		89		70-130	4		20
Chloroform	99		96		70-130	3		20
2-Chloroethylvinyl ether	**57**	Q	**68**	Q	70-130	18		20
Carbon tetrachloride	93		87		63-132	7		20
1,2-Dichloropropane	91		89		70-130	2		20
Dibromochloromethane	97		94		63-130	3		20
1,1,2-Trichloroethane	92		88		70-130	4		20
Tetrachloroethene	107		103		70-130	4		20
Chlorobenzene	101		97		75-130	4		20
Trichlorofluoromethane	103		97		62-150	6		20
1,2-Dichloroethane	96		92		70-130	4		20
1,1,1-Trichloroethane	96		90		67-130	6		20
Bromodichloromethane	99		94		67-130	5		20
trans-1,3-Dichloropropene	80		77		70-130	4		20
cis-1,3-Dichloropropene	87		85		70-130	2		20
1,1-Dichloropropene	98		94		70-130	4		20
Bromoform	90		85		54-136	6		20
1,1,2,2-Tetrachloroethane	92		90		67-130	2		20
Benzene	96		91		70-130	5		20
Toluene	96		93		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG674859-1 WG674859-2								
Ethylbenzene	99		94		70-130	5		20
Chloromethane	65		**57**	Q	64-130	13		20
Bromomethane	114		107		39-139	6		20
Vinyl chloride	88		81		55-140	8		20
Chloroethane	97		87		55-138	11		20
1,1-Dichloroethene	99		95		61-145	4		20
trans-1,2-Dichloroethene	99		93		70-130	6		20
Trichloroethene	99		96		70-130	3		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	102		99		70-130	3		20
1,4-Dichlorobenzene	100		99		70-130	1		20
Methyl tert butyl ether	84		78		63-130	7		20
p/m-Xylene	99		96		70-130	3		20
o-Xylene	100		96		70-130	4		20
cis-1,2-Dichloroethene	99		96		70-130	3		20
Dibromomethane	101		99		70-130	2		20
1,2,3-Trichloropropane	90		90		64-130	0		20
Acrylonitrile	85		80		70-130	6		20
Isopropyl Ether	85		83		70-130	2		20
tert-Butyl Alcohol	**60**	Q	**59**	Q	70-130	2		20
Styrene	99		97		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG674859-1 WG674859-2								
Dichlorodifluoromethane	69		62		36-147	11		20
Acetone	74		77		58-148	4		20
Carbon disulfide	94		84		51-130	11		20
2-Butanone	**57**	Q	**53**	Q	63-138	7		20
Vinyl acetate	75		72		70-130	4		20
4-Methyl-2-pentanone	81		83		59-130	2		20
2-Hexanone	73		68		57-130	7		20
Bromochloromethane	107		104		70-130	3		20
2,2-Dichloropropane	80		76		63-133	5		20
1,2-Dibromoethane	96		94		70-130	2		20
1,3-Dichloropropane	89		87		70-130	2		20
1,1,1,2-Tetrachloroethane	94		92		64-130	2		20
Bromobenzene	106		103		70-130	3		20
n-Butylbenzene	98		90		53-136	9		20
sec-Butylbenzene	102		96		70-130	6		20
tert-Butylbenzene	104		99		70-130	5		20
o-Chlorotoluene	98		94		70-130	4		20
p-Chlorotoluene	97		96		70-130	1		20
1,2-Dibromo-3-chloropropane	75		73		41-144	3		20
Hexachlorobutadiene	104		100		63-130	4		20
Isopropylbenzene	102		98		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG674859-1 WG674859-2								
p-Isopropyltoluene	103		97		70-130	6		20
Naphthalene	88		81		70-130	8		20
n-Propylbenzene	99		95		69-130	4		20
1,2,3-Trichlorobenzene	97		92		70-130	5		20
1,2,4-Trichlorobenzene	98		92		70-130	6		20
1,3,5-Trimethylbenzene	99		97		64-130	2		20
1,2,4-Trimethylbenzene	98		93		70-130	5		20
Methyl Acetate	73		**69**	Q	70-130	6		20
Ethyl Acetate	89		84		70-130	6		20
Cyclohexane	93		88		70-130	6		20
Ethyl-Tert-Butyl-Ether	80		77		70-130	4		20
Tertiary-Amyl Methyl Ether	76		73		66-130	4		20
1,4-Dioxane	89		86		56-162	3		20
Freon-113	110		102		70-130	8		20
p-Diethylbenzene	96		87		70-130	10		20
p-Ethyltoluene	100		97		70-130	3		20
1,2,4,5-Tetramethylbenzene	102		94		70-130	8		20
Ethyl ether	97		94		59-134	3		20
trans-1,4-Dichloro-2-butene	75		73		70-130	3		20
Iodomethane	118		117		70-130	1		20
Methyl cyclohexane	101		94		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG674859-1 WG674859-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	101		102		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-01	Date Collected:	03/06/14 14:30
Client ID:	MW-17_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/07/14 01:31
Analytical Date:	03/12/14 17:48		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-01	Date Collected:	03/06/14 14:30
Client ID:	MW-17_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	91		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-01	Date Collected:	03/06/14 14:30
Client ID:	MW-17_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/07/14 01:28
Analytical Date:	03/10/14 13:44		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.19	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.28		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.59		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.17	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.16	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.06	J	ug/l	0.20	0.05	1
Acenaphthylene	0.23		ug/l	0.20	0.05	1
Anthracene	0.13	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.12	J	ug/l	0.20	0.07	1
Fluorene	0.22		ug/l	0.20	0.06	1
Phenanthrene	0.46		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.18	J	ug/l	0.20	0.08	1
Pyrene	0.22		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.12	J	ug/l	0.20	0.06	1
Pentachlorophenol	0.63	J	ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	82		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-02	Date Collected:	03/06/14 16:00
Client ID:	MW-25_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/07/14 01:31
Analytical Date:	03/12/14 18:15		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-02	Date Collected:	03/06/14 16:00
Client ID:	MW-25_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	90		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-02	Date Collected:	03/06/14 16:00
Client ID:	MW-25_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/07/14 01:28
Analytical Date:	03/10/14 14:15		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.16	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.17	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.16	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.05	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.14	J	ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.19	J	ug/l	0.20	0.08	1
Pyrene	0.14	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	82		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-03	Date Collected:	03/06/14 00:00
Client ID:	GWDUP01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/07/14 01:31
Analytical Date:	03/12/14 18:43		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-03	Date Collected:	03/06/14 00:00
Client ID:	GWDUP01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	92		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-03	Date Collected:	03/06/14 00:00
Client ID:	GWDUP01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/07/14 01:28
Analytical Date:	03/10/14 14:45		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.19	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.40		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.61		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.12	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.20		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.20		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.07	J	ug/l	0.20	0.07	1
Chrysene	0.10	J	ug/l	0.20	0.05	1
Acenaphthylene	0.22		ug/l	0.20	0.05	1
Anthracene	0.15	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.14	J	ug/l	0.20	0.07	1
Fluorene	0.26		ug/l	0.20	0.06	1
Phenanthrene	0.54		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.20		ug/l	0.20	0.08	1
Pyrene	0.33		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.13	J	ug/l	0.20	0.06	1
Pentachlorophenol	0.41	J	ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	85		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/10/14 12:09
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 03/07/14 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG674120-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.09	J	ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.09	J	ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/10/14 12:09
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 03/07/14 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG674120-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	80		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/12/14 16:26
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/07/14 01:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG674121-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/12/14 16:26
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/07/14 01:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG674121-1					
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/12/14 16:26
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/07/14 01:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG674121-1					
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	90		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG674120-2 WG674120-3								
Acenaphthene	63		68		37-111	8		40
2-Chloronaphthalene	61		64		40-140	5		40
Fluoranthene	77		82		40-140	6		40
Hexachlorobutadiene	56		58		40-140	4		40
Naphthalene	60		62		40-140	3		40
Benzo(a)anthracene	89		96		40-140	8		40
Benzo(a)pyrene	67		78		40-140	15		40
Benzo(b)fluoranthene	72		82		40-140	13		40
Benzo(k)fluoranthene	77		86		40-140	11		40
Chrysene	76		82		40-140	8		40
Acenaphthylene	70		74		40-140	6		40
Anthracene	67		71		40-140	6		40
Benzo(ghi)perylene	57		81		40-140	35		40
Fluorene	74		82		40-140	10		40
Phenanthrene	75		80		40-140	6		40
Dibenzo(a,h)anthracene	61		81		40-140	28		40
Indeno(1,2,3-cd)Pyrene	58		83		40-140	35		40
Pyrene	74		80		26-127	8		40
2-Methylnaphthalene	64		65		40-140	2		40
Pentachlorophenol	76		80		9-103	5		40
Hexachlorobenzene	69		74		40-140	7		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG674120-2 WG674120-3								
Hexachloroethane	57		59		40-140	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	42		46		21-120
Phenol-d6	28		31		10-120
Nitrobenzene-d5	61		67		23-120
2-Fluorobiphenyl	58		62		15-120
2,4,6-Tribromophenol	67		76		10-120
4-Terphenyl-d14	69		77		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG674121-2 WG674121-3								
Acenaphthene	70		72		37-111	3		30
1,2,4-Trichlorobenzene	64		64		39-98	0		30
Hexachlorobenzene	95		97		40-140	2		30
Bis(2-chloroethyl)ether	57		58		40-140	2		30
2-Chloronaphthalene	74		76		40-140	3		30
1,2-Dichlorobenzene	58		60		40-140	3		30
1,3-Dichlorobenzene	55		57		40-140	4		30
1,4-Dichlorobenzene	55		57		36-97	4		30
3,3'-Dichlorobenzidine	63		62		40-140	2		30
2,4-Dinitrotoluene	**100**	Q	**103**	Q	24-96	3		30
2,6-Dinitrotoluene	98		100		40-140	2		30
Fluoranthene	85		86		40-140	1		30
4-Chlorophenyl phenyl ether	83		82		40-140	1		30
4-Bromophenyl phenyl ether	94		96		40-140	2		30
Bis(2-chloroisopropyl)ether	47		48		40-140	2		30
Bis(2-chloroethoxy)methane	65		66		40-140	2		30
Hexachlorobutadiene	63		66		40-140	5		30
Hexachlorocyclopentadiene	**38**	Q	**38**	Q	40-140	0		30
Hexachloroethane	49		53		40-140	8		30
Isophorone	63		66		40-140	5		30
Naphthalene	59		61		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG674121-2 WG674121-3								
Nitrobenzene	64		64		40-140	0		30
NitrosoDiPhenylAmine(NDPA)/DPA	84		85		40-140	1		30
n-Nitrosodi-n-propylamine	60		63		29-132	5		30
Bis(2-Ethylhexyl)phthalate	75		77		40-140	3		30
Butyl benzyl phthalate	84		86		40-140	2		30
Di-n-butylphthalate	78		79		40-140	1		30
Di-n-octylphthalate	80		82		40-140	2		30
Diethyl phthalate	82		83		40-140	1		30
Dimethyl phthalate	80		80		40-140	0		30
Benzo(a)anthracene	77		80		40-140	4		30
Benzo(a)pyrene	79		75		40-140	5		30
Benzo(b)fluoranthene	79		78		40-140	1		30
Benzo(k)fluoranthene	78		77		40-140	1		30
Chrysene	79		80		40-140	1		30
Acenaphthylene	78		82		45-123	5		30
Anthracene	77		80		40-140	4		30
Benzo(ghi)perylene	80		73		40-140	9		30
Fluorene	80		78		40-140	3		30
Phenanthrene	77		76		40-140	1		30
Dibenzo(a,h)anthracene	79		74		40-140	7		30
Indeno(1,2,3-cd)Pyrene	81		73		40-140	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG674121-2 WG674121-3								
Pyrene	82		87		26-127	6		30
Biphenyl	69		70			1		30
4-Chloroaniline	**35**	Q	**33**	Q	40-140	6		30
2-Nitroaniline	101		104		52-143	3		30
3-Nitroaniline	60		60		25-145	0		30
4-Nitroaniline	86		83		51-143	4		30
Dibenzofuran	74		77		40-140	4		30
2-Methylnaphthalene	65		68		40-140	5		30
1,2,4,5-Tetrachlorobenzene	69		73		2-134	6		30
Acetophenone	70		73		39-129	4		30
2,4,6-Trichlorophenol	94		95		30-130	1		30
P-Chloro-M-Cresol	81		84		23-97	4		30
2-Chlorophenol	63		66		27-123	5		30
2,4-Dichlorophenol	77		79		30-130	3		30
2,4-Dimethylphenol	66		70		30-130	6		30
2-Nitrophenol	88		93		30-130	6		30
4-Nitrophenol	46		49		10-80	6		30
2,4-Dinitrophenol	124		121		20-130	2		30
4,6-Dinitro-o-cresol	123		125		20-164	2		30
Pentachlorophenol	89		91		9-103	2		30
Phenol	28		30		12-110	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG674121-2 WG674121-3								
2-Methylphenol	58		59		30-130	2		30
3-Methylphenol/4-Methylphenol	56		58		30-130	4		30
2,4,5-Trichlorophenol	98		101		30-130	3		30
Benzoic Acid	54		52			4		30
Benzyl Alcohol	54		54			0		30
Carbazole	81		82		55-144	1		30
Benzaldehyde	61		61		40-140	0		30
Caprolactam	23		25		10-130	8		30
Atrazine	96		94		40-140	2		30
2,3,4,6-Tetrachlorophenol	101		104		54-145	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	41		42		21-120
Phenol-d6	28		29		10-120
Nitrobenzene-d5	72		75		23-120
2-Fluorobiphenyl	74		75		15-120
2,4,6-Tribromophenol	100		101		10-120
4-Terphenyl-d14	87		90		41-149

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-01	Date Collected:	03/06/14 14:30
Client ID:	MW-17_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/07/14 01:34
Analytical Date:	03/08/14 15:49	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/08/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-02	Date Collected:	03/06/14 16:00
Client ID:	MW-25_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/07/14 01:34
Analytical Date:	03/08/14 16:02	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/08/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-03	Date Collected:	03/06/14 00:00
Client ID:	GWDUP01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/07/14 01:34
Analytical Date:	03/08/14 16:14	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/08/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	30		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404776

Report Date: 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/08/14 16:26
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/07/14 01:34
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/08/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG674122-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG674122-2 WG674122-3									
Aroclor 1016	68		70		40-140	2		50	A
Aroclor 1260	66		65		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		58		30-150	A
Decachlorobiphenyl	69		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		63		30-150	B
Decachlorobiphenyl	70		74		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-01	Date Collected:	03/06/14 14:30
Client ID:	MW-17_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/07/14 01:15
Analytical Date:	03/08/14 17:06	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	**29**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-01	Date Collected:	03/06/14 14:30
Client ID:	MW-17_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 05:00
Analytical Date:	03/12/14 12:33	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	15.9	0.863	1	A
2,4,5-T	ND		ug/l	3.17	0.495	1	A
2,4,5-TP (Silvex)	ND		ug/l	3.17	0.505	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-02	Date Collected:	03/06/14 16:00
Client ID:	MW-25_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/07/14 01:15
Analytical Date:	03/08/14 17:19	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-02	Date Collected:	03/06/14 16:00
Client ID:	MW-25_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 05:00
Analytical Date:	03/12/14 12:53	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**13**	Q	30-150	A
DCAA	**12**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-02	RE	Date Collected:	03/06/14 16:00
Client ID:	MW-25_030614		Date Received:	03/06/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 8151A
Analytical Method:	1,8151A		Extraction Date:	03/12/14 23:40
Analytical Date:	03/13/14 06:37		Methylation Date:	03/13/14 06:06
Analyst:	GP			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**22**	Q	30-150	A
DCAA	**19**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-03	Date Collected:	03/06/14 00:00
Client ID:	GWDUP01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/07/14 01:15
Analytical Date:	03/08/14 17:32	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	30		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID:	L1404776-03	Date Collected:	03/06/14 00:00
Client ID:	GWDUP01_030614	Date Received:	03/06/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 05:00
Analytical Date:	03/12/14 13:13	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	15.9	0.863	1	A
2,4,5-T	ND		ug/l	3.17	0.495	1	A
2,4,5-TP (Silvex)	ND		ug/l	3.17	0.505	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/08/14 16:52
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 03/07/14 01:15
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/08/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG674109-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/13/14 05:36
Analyst: GP

Extraction Method: EPA 8151A
Extraction Date: 03/11/14 05:00

Methylation Date: 03/11/14 17:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG674674-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG674109-2 WG674109-3									
Delta-BHC	86		91		30-150	6		20	A
Lindane	86		91		30-150	6		20	A
Alpha-BHC	89		96		30-150	7		20	A
Beta-BHC	82		81		30-150	0		20	A
Heptachlor	79		81		30-150	3		20	A
Aldrin	90		93		30-150	4		20	A
Heptachlor epoxide	89		96		30-150	7		20	A
Endrin	94		99		30-150	6		20	A
Endrin ketone	87		91		30-150	4		20	A
Dieldrin	96		104		30-150	8		20	A
4,4'-DDE	90		96		30-150	6		20	A
4,4'-DDD	95		100		30-150	5		20	A
4,4'-DDT	91		96		30-150	6		20	A
Endosulfan I	92		100		30-150	8		20	A
Endosulfan II	91		98		30-150	7		20	A
Endosulfan sulfate	90		95		30-150	5		20	A
Methoxychlor	82		85		30-150	4		20	A
cis-Chlordane	97		104		30-150	7		20	A
trans-Chlordane	88		94		30-150	6		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG674109-2 WG674109-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		72		30-150	A
Decachlorobiphenyl	95		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		57		30-150	B
Decachlorobiphenyl	73		77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG674674-2 WG674674-3									
2,4-D	104		108		30-150	4		25	A
2,4,5-T	79		84		30-150	6		25	A
2,4,5-TP (Silvex)	77		80		30-150	4		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	72		73		30-150	A
DCAA	86		79		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674674-4 WG674674-5 QC Sample: L1404879-05 Client ID: MS Sample													
2,4-D	ND	11.9	13.3	112		13.3	112		30-150	0		25	A
2,4,5-T	ND	11.9	10.0	84		10.1	85		30-150	1		25	A
2,4,5-TP (Silvex)	ND	11.9	9.50	80		9.68	81		30-150	2		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	72		74		30-150	A
DCAA	85		81		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-01
Client ID: MW-17_030614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/06/14 14:30
Date Received: 03/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.430		mg/l	0.0200	0.00400	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Antimony, Total	0.01497		mg/l	0.00400	0.00020	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00843		mg/l	0.00100	0.00040	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Barium, Total	0.1530		mg/l	0.00100	0.00020	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00100	0.00020	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00016	J	mg/l	0.00040	0.00010	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Calcium, Total	170.		mg/l	2.00	0.640	20	03/07/14 09:07	03/08/14 05:46	EPA 3005A	1,6020A	BM
Chromium, Total	0.00302		mg/l	0.00200	0.00040	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00403		mg/l	0.00100	0.00020	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Copper, Total	0.00439		mg/l	0.00400	0.00020	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Iron, Total	6.70		mg/l	0.100	0.0260	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Lead, Total	0.02182		mg/l	0.00200	0.00040	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Magnesium, Total	42.4		mg/l	0.140	0.0460	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Manganese, Total	5.814		mg/l	0.01000	0.00200	20	03/07/14 09:07	03/08/14 05:46	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:17	EPA 7470A	1,7470A	AK
Nickel, Total	0.00853		mg/l	0.00100	0.00020	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Potassium, Total	18.5		mg/l	0.200	0.0540	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Selenium, Total	0.00084	J	mg/l	0.0100	0.00060	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00080	0.00020	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Sodium, Total	114.		mg/l	2.00	0.300	20	03/07/14 09:07	03/08/14 05:46	EPA 3005A	1,6020A	BM
Thallium, Total	0.00010	J	mg/l	0.00100	0.00006	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00183	J	mg/l	0.01000	0.00020	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Zinc, Total	0.04972		mg/l	0.02000	0.00240	2	03/07/14 09:07	03/08/14 05:34	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.157		mg/l	0.0200	0.00400	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Antimony, Dissolved	0.01585		mg/l	0.00200	0.00020	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Arsenic, Dissolved	0.00699		mg/l	0.00100	0.00040	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Barium, Dissolved	0.1512		mg/l	0.00100	0.00020	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00100	0.00020	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Cadmium, Dissolved	0.00012	J	mg/l	0.00040	0.00010	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404776
Project Number: 170229002
Report Date: 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-01
Client ID: MW-17_030614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/06/14 14:30
Date Received: 03/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	172.		mg/l	2.00	0.640	20	03/07/14 09:00	03/12/14 20:24	NA	1,6020A	BM
Chromium, Dissolved	0.00164	J	mg/l	0.00200	0.00040	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Cobalt, Dissolved	0.00385		mg/l	0.00100	0.00020	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Copper, Dissolved	0.00317		mg/l	0.00200	0.00020	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Iron, Dissolved	4.20		mg/l	0.100	0.0260	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Lead, Dissolved	0.01310		mg/l	0.00200	0.00040	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Magnesium, Dissolved	40.2		mg/l	0.140	0.0460	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Manganese, Dissolved	5.668		mg/l	0.01000	0.00200	20	03/07/14 09:00	03/12/14 20:24	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/08/14 09:54	03/08/14 13:00	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00788		mg/l	0.00100	0.00020	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Potassium, Dissolved	17.6		mg/l	0.200	0.0540	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Selenium, Dissolved	0.00287	J	mg/l	0.0100	0.00060	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00080	0.00020	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Sodium, Dissolved	114.		mg/l	4.00	0.300	20	03/07/14 09:00	03/12/14 20:24	NA	1,6020A	BM
Thallium, Dissolved	0.00010	J	mg/l	0.00100	0.00006	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Vanadium, Dissolved	0.00094	J	mg/l	0.01000	0.00020	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM
Zinc, Dissolved	0.04358		mg/l	0.02000	0.00240	2	03/07/14 09:00	03/12/14 20:08	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-02
Client ID: MW-25_030614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/06/14 16:00
Date Received: 03/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.200	0.0400	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Antimony, Total	0.00216	J	mg/l	0.04000	0.00200	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Arsenic, Total	0.01285		mg/l	0.01000	0.00400	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Barium, Total	0.01844		mg/l	0.01000	0.00200	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.01000	0.00200	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00400	0.00100	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Calcium, Total	278.		mg/l	2.00	0.640	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Chromium, Total	ND		mg/l	0.02000	0.00400	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.01000	0.00200	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Copper, Total	0.00544	J	mg/l	0.04000	0.00200	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Iron, Total	1.55		mg/l	1.00	0.260	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.02000	0.00400	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Magnesium, Total	866.		mg/l	14.0	4.60	200	03/07/14 09:07	03/08/14 06:17	EPA 3005A	1,6020A	BM
Manganese, Total	0.00497	J	mg/l	0.01000	0.00200	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:18	EPA 7470A	1,7470A	AK
Nickel, Total	0.00751	J	mg/l	0.01000	0.00200	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Potassium, Total	238.		mg/l	2.00	0.540	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Selenium, Total	0.0482	J	mg/l	0.100	0.00600	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00800	0.00200	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Sodium, Total	7060		mg/l	20.0	3.00	200	03/07/14 09:07	03/08/14 06:17	EPA 3005A	1,6020A	BM
Thallium, Total	0.00062	J	mg/l	0.01000	0.00060	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.1000	0.00200	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Zinc, Total	0.03982	J	mg/l	0.2000	0.02400	20	03/07/14 09:07	03/08/14 06:36	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.200	0.0400	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Antimony, Dissolved	0.01095	J	mg/l	0.02000	0.00200	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Arsenic, Dissolved	0.01793		mg/l	0.01000	0.00400	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Barium, Dissolved	0.03354		mg/l	0.01000	0.00200	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.01000	0.00200	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00400	0.00100	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-02 Date Collected: 03/06/14 16:00

Client ID: MW-25_030614 Date Received: 03/06/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	266.		mg/l	2.00	0.640	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Chromium, Dissolved	ND		mg/l	0.02000	0.00400	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.01000	0.00200	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Copper, Dissolved	0.00693	J	mg/l	0.02000	0.00200	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Iron, Dissolved	1.45		mg/l	1.00	0.260	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.02000	0.00400	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Magnesium, Dissolved	764.		mg/l	1.40	0.460	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Manganese, Dissolved	0.00692	J	mg/l	0.01000	0.00200	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/08/14 09:54	03/08/14 13:26	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00712	J	mg/l	0.01000	0.00200	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Potassium, Dissolved	224.		mg/l	2.00	0.540	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Selenium, Dissolved	0.0605	J	mg/l	0.100	0.00600	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Silver, Dissolved	0.00241	J	mg/l	0.00800	0.00200	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Sodium, Dissolved	6540		mg/l	40.0	3.00	200	03/07/14 09:00	03/12/14 21:08	NA	1,6020A	BM
Thallium, Dissolved	0.00065	J	mg/l	0.01000	0.00060	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.1000	0.00200	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM
Zinc, Dissolved	0.04516	J	mg/l	0.2000	0.02400	20	03/07/14 09:00	03/12/14 21:02	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-03
Client ID: GWDUP01_030614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/06/14 00:00
Date Received: 03/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.361		mg/l	0.0200	0.00400	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Antimony, Total	0.01636		mg/l	0.00400	0.00020	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00924		mg/l	0.00100	0.00040	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Barium, Total	0.1646		mg/l	0.00100	0.00020	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00100	0.00020	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00019	J	mg/l	0.00040	0.00010	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Calcium, Total	181.		mg/l	2.00	0.640	20	03/07/14 09:07	03/08/14 06:49	EPA 3005A	1,6020A	BM
Chromium, Total	0.00257		mg/l	0.00200	0.00040	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00430		mg/l	0.00100	0.00020	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Copper, Total	0.00465		mg/l	0.00400	0.00020	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Iron, Total	7.12		mg/l	0.100	0.0260	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Lead, Total	0.02852		mg/l	0.00200	0.00040	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Magnesium, Total	46.2		mg/l	0.140	0.0460	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Manganese, Total	6.204		mg/l	0.01000	0.00200	20	03/07/14 09:07	03/08/14 06:49	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:20	EPA 7470A	1,7470A	AK
Nickel, Total	0.00878		mg/l	0.00100	0.00020	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Potassium, Total	19.8		mg/l	0.200	0.0540	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Selenium, Total	0.00146	J	mg/l	0.0100	0.00060	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00080	0.00020	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Sodium, Total	124.		mg/l	2.00	0.300	20	03/07/14 09:07	03/08/14 06:49	EPA 3005A	1,6020A	BM
Thallium, Total	0.00012	J	mg/l	0.00100	0.00006	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00182	J	mg/l	0.01000	0.00020	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Zinc, Total	0.05844		mg/l	0.02000	0.00240	2	03/07/14 09:07	03/08/14 06:42	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0418		mg/l	0.0200	0.00400	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Antimony, Dissolved	0.01374		mg/l	0.00200	0.00020	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Arsenic, Dissolved	0.00476		mg/l	0.00100	0.00040	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Barium, Dissolved	0.1415		mg/l	0.00100	0.00020	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00100	0.00020	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00040	0.00010	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-03 Date Collected: 03/06/14 00:00

Client ID: GWDUP01_030614 Date Received: 03/06/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	171.		mg/l	2.00	0.640	20	03/07/14 09:00	03/12/14 21:20	NA	1,6020A	BM
Chromium, Dissolved	0.00067	J	mg/l	0.00200	0.00040	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Cobalt, Dissolved	0.00370		mg/l	0.00100	0.00020	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Copper, Dissolved	0.00123	J	mg/l	0.00200	0.00020	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Iron, Dissolved	1.61		mg/l	0.100	0.0260	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Lead, Dissolved	0.00213		mg/l	0.00200	0.00040	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Magnesium, Dissolved	43.9		mg/l	0.140	0.0460	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Manganese, Dissolved	5.700		mg/l	0.01000	0.00200	20	03/07/14 09:00	03/12/14 21:20	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/08/14 09:54	03/08/14 13:39	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00781		mg/l	0.00100	0.00020	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Potassium, Dissolved	17.9		mg/l	0.200	0.0540	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Selenium, Dissolved	0.00242	J	mg/l	0.0100	0.00060	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00080	0.00020	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Sodium, Dissolved	117.		mg/l	4.00	0.300	20	03/07/14 09:00	03/12/14 21:20	NA	1,6020A	BM
Thallium, Dissolved	0.00008	J	mg/l	0.00100	0.00006	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Vanadium, Dissolved	0.00022	J	mg/l	0.01000	0.00020	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM
Zinc, Dissolved	0.02942		mg/l	0.02000	0.00240	2	03/07/14 09:00	03/12/14 21:14	NA	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG674165-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Antimony, Total	0.00020	J	mg/l	0.00200	0.00010	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Chromium, Total	0.00026	J	mg/l	0.00100	0.00020	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Copper, Total	0.00100	J	mg/l	0.00200	0.00010	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Manganese, Total	0.00021	J	mg/l	0.00050	0.00010	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Sodium, Total	0.0362	J	mg/l	0.100	0.0150	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM
Zinc, Total	0.00244	J	mg/l	0.01000	0.00120	1	03/07/14 09:07	03/07/14 21:01	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG674350-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:04	1,7470A	AK

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG674358-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/08/14 09:54	03/08/14 12:53	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG674783-1										
Aluminum, Dissolved	0.00243	J	mg/l	0.0100	0.00200	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Antimony, Dissolved	0.00055	J	mg/l	0.00100	0.00010	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Cadmium, Dissolved	0.00006	J	mg/l	0.00020	0.00005	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Chromium, Dissolved	0.00023	J	mg/l	0.00100	0.00020	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Copper, Dissolved	0.00057	J	mg/l	0.00100	0.00010	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Manganese, Dissolved	0.00017	J	mg/l	0.00050	0.00010	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Nickel, Dissolved	ND		mg/l	0.00050	0.00010	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Sodium, Dissolved	0.109	J	mg/l	0.200	0.0150	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

Method Blank Analysis
Batch Quality Control

Zinc, Dissolved	0.00779	J	mg/l	0.01000	0.00120	1	03/07/14 09:00	03/12/14 19:55	1,6020A	BM

Prep Information

Digestion Method: NA

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG674165-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	91		-		80-120	-		
Arsenic, Total	98		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Calcium, Total	104		-		80-120	-		
Chromium, Total	105		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	104		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	108		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	103		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	96		-		80-120	-		
Silver, Total	99		-		80-120	-		
Sodium, Total	108		-		80-120	-		
Thallium, Total	97		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG674165-2					
Zinc, Total	110	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG674350-2					
Mercury, Total	91	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG674358-2					
Mercury, Dissolved	96	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG674783-2					
Aluminum, Dissolved	110	-	80-120	-	
Antimony, Dissolved	90	-	80-120	-	
Arsenic, Dissolved	99	-	80-120	-	
Barium, Dissolved	99	-	80-120	-	
Beryllium, Dissolved	98	-	80-120	-	
Cadmium, Dissolved	102	-	80-120	-	
Calcium, Dissolved	102	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Cobalt, Dissolved	98	-	80-120	-	
Copper, Dissolved	104	-	80-120	-	
Iron, Dissolved	103	-	80-120	-	
Lead, Dissolved	99	-	80-120	-	
Magnesium, Dissolved	105	-	80-120	-	
Manganese, Dissolved	95	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	103	-	80-120	-	
Selenium, Dissolved	101	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Sodium, Dissolved	104	-	80-120	-	
Thallium, Dissolved	93	-	80-120	-	
Vanadium, Dissolved	102	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG674783-2					
Zinc, Dissolved	104	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674165-4 QC Sample: L1404776-01 Client ID: MW-17_030614												
Aluminum, Total	0.430	2	2.74	116		-	-		75-125	-		20
Antimony, Total	0.01497	0.5	0.5546	108		-	-		75-125	-		20
Arsenic, Total	0.00843	0.12	0.1348	105		-	-		75-125	-		20
Barium, Total	0.1530	2	2.228	104		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05472	109		-	-		75-125	-		20
Cadmium, Total	0.00016J	0.051	0.05320	104		-	-		75-125	-		20
Calcium, Total	170.	10	178	80		-	-		75-125	-		20
Chromium, Total	0.00302	0.2	0.2192	108		-	-		75-125	-		20
Cobalt, Total	0.00403	0.5	0.5018	100		-	-		75-125	-		20
Copper, Total	0.00439	0.25	0.2664	105		-	-		75-125	-		20
Iron, Total	6.70	1	7.55	85		-	-		75-125	-		20
Lead, Total	0.02182	0.51	0.5388	101		-	-		75-125	-		20
Magnesium, Total	42.4	10	54.9	125		-	-		75-125	-		20
Manganese, Total	5.814	0.5	6.266	90		-	-		75-125	-		20
Nickel, Total	0.00853	0.5	0.5220	103		-	-		75-125	-		20
Potassium, Total	18.5	10	29.1	106		-	-		75-125	-		20
Selenium, Total	0.00084J	0.12	0.115	96		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05038	101		-	-		75-125	-		20
Sodium, Total	114.	10	123	90		-	-		75-125	-		20
Thallium, Total	0.00010J	0.12	0.1171	98		-	-		75-125	-		20
Vanadium, Total	0.00183J	0.5	0.5322	106		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674165-4 QC Sample: L1404776-01 Client ID: MW-17_030614									
Zinc, Total	0.04972	0.5	0.5854	107	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674350-3 WG674350-4 QC Sample: L1404879-05 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00517	104	0.00520	104	75-125	0	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674358-4 QC Sample: L1404776-01 Client ID: MW-17_030614									
Mercury, Dissolved	ND	0.005	0.00478	96	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674783-4 QC Sample: L1404776-01 Client ID: MW-17_030614										
Aluminum, Dissolved	0.157	2	2.39	112		-	-	75-125	-	20
Antimony, Dissolved	0.01585	0.5	0.4924	95		-	-	75-125	-	20
Arsenic, Dissolved	0.00699	0.12	0.1269	100		-	-	75-125	-	20
Barium, Dissolved	0.1512	2	2.042	94		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.04890	98		-	-	75-125	-	20
Cadmium, Dissolved	0.00012J	0.051	0.04846	95		-	-	75-125	-	20
Calcium, Dissolved	172.	10	176	**40**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.00164J	0.2	0.1920	96		-	-	75-125	-	20
Cobalt, Dissolved	0.00385	0.5	0.4712	93		-	-	75-125	-	20
Copper, Dissolved	0.00317	0.25	0.2494	98		-	-	75-125	-	20
Iron, Dissolved	4.20	1	5.34	114		-	-	75-125	-	20
Lead, Dissolved	0.01310	0.51	0.5154	98		-	-	75-125	-	20
Magnesium, Dissolved	40.2	10	51.5	113		-	-	75-125	-	20
Manganese, Dissolved	5.668	0.5	5.866	**40**	Q	-	-	75-125	-	20
Nickel, Dissolved	0.00788	0.5	0.4948	97		-	-	75-125	-	20
Potassium, Dissolved	17.6	10	27.0	94		-	-	75-125	-	20
Selenium, Dissolved	0.00287J	0.12	0.117	98		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04556	91		-	-	75-125	-	20
Sodium, Dissolved	114.	10	120	**60**	Q	-	-	75-125	-	20
Thallium, Dissolved	0.00010J	0.12	0.1121	93		-	-	75-125	-	20
Vanadium, Dissolved	0.00094J	0.5	0.4978	100		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674783-4 QC Sample: L1404776-01 Client ID: MW-17_030614									
Zinc, Dissolved	0.04358	0.5	0.5386	99	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674165-3 QC Sample: L1404776-01 Client ID: MW-17_030614						
Aluminum, Total	0.430	0.387	mg/l	11		20
Antimony, Total	0.01497	0.01501	mg/l	0		20
Arsenic, Total	0.00843	0.00803	mg/l	5		20
Barium, Total	0.1530	0.1544	mg/l	1		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.00016J	0.00015J	mg/l	NC		20
Chromium, Total	0.00302	0.00313	mg/l	4		20
Cobalt, Total	0.00403	0.00408	mg/l	1		20
Copper, Total	0.00439	0.00434	mg/l	1		20
Iron, Total	6.70	6.75	mg/l	1		20
Lead, Total	0.02182	0.02178	mg/l	0		20
Magnesium, Total	42.4	42.1	mg/l	1		20
Nickel, Total	0.00853	0.00859	mg/l	1		20
Potassium, Total	18.5	18.5	mg/l	0		20
Selenium, Total	0.00084J	0.00125J	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	0.00010J	0.00012J	mg/l	NC		20
Vanadium, Total	0.00183J	0.00174J	mg/l	NC		20
Zinc, Total	0.04972	0.05068	mg/l	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674165-3 QC Sample: L1404776-01 Client ID: MW-17_030614					
Calcium, Total	170.	168	mg/l	1	20
Manganese, Total	5.814	5.754	mg/l	1	20
Sodium, Total	114.	112	mg/l	2	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674358-3 QC Sample: L1404776-01 Client ID: MW-17_030614					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674783-3 QC Sample: L1404776-01 Client ID: MW-17_030614					
Aluminum, Dissolved	0.157	0.169	mg/l	7	20
Antimony, Dissolved	0.01585	0.01430	mg/l	10	20
Arsenic, Dissolved	0.00699	0.00701	mg/l	0	20
Barium, Dissolved	0.1512	0.1481	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.00012J	0.00011J	mg/l	NC	20
Chromium, Dissolved	0.00164J	0.00412	mg/l	NC	20
Cobalt, Dissolved	0.00385	0.00380	mg/l	1	20
Copper, Dissolved	0.00317	0.00307	mg/l	3	20
Iron, Dissolved	4.20	4.30	mg/l	2	20
Lead, Dissolved	0.01310	0.01280	mg/l	2	20
Magnesium, Dissolved	40.2	41.2	mg/l	2	20
Nickel, Dissolved	0.00788	0.00783	mg/l	1	20
Potassium, Dissolved	17.6	17.4	mg/l	1	20
Selenium, Dissolved	0.00287J	0.00250J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	0.00010J	0.00008J	mg/l	NC	20
Vanadium, Dissolved	0.00094J	0.00162J	mg/l	NC	20
Zinc, Dissolved	0.04358	0.03896	mg/l	11	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674783-3 QC Sample: L1404776-01 Client ID: MW-17_030614					
Calcium, Dissolved	172.	165	mg/l	4	20
Manganese, Dissolved	5.668	5.508	mg/l	3	20
Sodium, Dissolved	114.	110	mg/l	4	20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-01
Client ID: MW-17_030614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/06/14 14:30
Date Received: 03/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/13/14 10:58	107,-	JO
Cyanide, Total	0.004		mg/l	0.005	0.001	1	03/12/14 11:30	03/12/14 15:07	1,9010C/9012B	JO
Chromium, Hexavalent	0.005	J	mg/l	0.010	0.003	1	03/07/14 00:05	03/07/14 00:22	1,7196A	JO

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-02
Client ID: MW-25_030614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/06/14 16:00
Date Received: 03/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/13/14 10:58	107,-	JO
Cyanide, Total	0.006		mg/l	0.005	0.001	1	03/12/14 11:30	03/12/14 15:08	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/07/14 00:05	03/07/14 00:22	1,7196A	JO

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

SAMPLE RESULTS

Lab ID: L1404776-03
Client ID: GWDUP01_030614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/06/14 00:00
Date Received: 03/06/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/13/14 10:58	107,-	JO
Cyanide, Total	0.005		mg/l	0.005	0.001	1	03/12/14 11:30	03/12/14 15:09	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/07/14 00:05	03/07/14 00:23	1,7196A	JO

Project Name: GREENPOINT LANDING **Lab Number:** L1404776

Project Number: 170229002 **Report Date:** 03/13/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG674102-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/07/14 00:05	03/07/14 00:20	1,7196A	JO
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG674700-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/12/14 11:30	03/12/14 15:02	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG674102-2								
Chromium, Hexavalent	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG674700-2 WG674700-3								
Cyanide, Total	89		96		80-120	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674102-4 QC Sample: L1404776-02 Client ID: MW-25_030614												
Chromium, Hexavalent	ND	0.1	0.109	109		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674700-4 WG674700-5 QC Sample: L1404960-02 Client ID: MS Sample												
Cyanide, Total	0.004J	0.2	0.202	101		0.192	96		80-120	5		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG674102-3 QC Sample: L1404776-02 Client ID: MW-25_030614						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404776-01A	Vial HCl preserved	B	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404776-01B	Vial HCl preserved	B	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404776-01C	Vial HCl preserved	B	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404776-01D	Amber 1000ml unpreserved	B	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404776-01F	Amber 1000ml unpreserved	B	7	2.5	Y	Absent	HERB-APA(7),NYTCL-8082-1200ML(7)
L1404776-01F1	Amber 1000ml unpreserved	B	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1404776-01J	Amber 500ml unpreserved	B	7	2.5	Y	Absent	NYTCL-8081(7)
L1404776-01L	Plastic 500ml HNO3 preserved	B	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404776-01M	Plastic 500ml unpreserved	B	7	2.5	Y	Absent	HEXCR-7196(1)
L1404776-01N	Plastic 250ml NaOH preserved	B	>12	2.5	Y	Absent	TCN-9010(14)
L1404776-01O	Plastic 500ml unpreserved	B	7	2.5	Y	Absent	FILTER-MET(1)
L1404776-01X	Plastic 500ml HNO3 preserved spl	B	<2	2.5	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404776-02A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1404776-02B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1404776-02C	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1404776-02D	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404776-02E	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404776-02F	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	HERB-APA(7),NYTCL-8082-1200ML(7)
L1404776-02G	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404776-02H	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404776-02I	Amber 1000ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404776-02J	Amber 500ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8081(7)
L1404776-02K	Amber 500ml unpreserved	A	7	2.1	Y	Absent	NYTCL-8081(7)
L1404776-02L	Plastic 500ml HNO3 preserved	A	<2	2.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404776-02M	Plastic 500ml unpreserved	A	7	2.1	Y	Absent	HEXCR-7196(1)
L1404776-02N	Plastic 250ml NaOH preserved	A	>12	2.1	Y	Absent	TCN-9010(14)
L1404776-02O	Plastic 500ml unpreserved	A	7	2.1	Y	Absent	FILTER-MET(1)
L1404776-02X	Plastic 500ml HNO3 preserved spl	A	<2	2.1	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404776-03A	Vial HCl preserved	B	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404776-03B	Vial HCl preserved	B	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404776-03C	Vial HCl preserved	B	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404776-03D	Amber 1000ml unpreserved	B	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404776-03F	Amber 1000ml unpreserved	B	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404776
Report Date: 03/13/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404776-03F1	Amber 1000ml unpreserved	B	7	2.5	Y	Absent	HERB-APA(7)
L1404776-03J	Amber 500ml unpreserved	B	7	2.5	Y	Absent	NYTCL-8081(7)
L1404776-03L	Plastic 500ml HNO3 preserved	B	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404776-03M	Plastic 500ml unpreserved	B	7	2.5	Y	Absent	HEXCR-7196(1)
L1404776-03N	Plastic 250ml NaOH preserved	B	>12	2.5	Y	Absent	TCN-9010(14)
L1404776-03O	Plastic 500ml unpreserved	B	7	2.5	Y	Absent	FILTER-MET(1)
L1404776-03X	Plastic 500ml HNO3 preserved spl	B	<2	2.5	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404776-04A	Vial HCl preserved	B	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404776-04B	Vial HCl preserved	B	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404776-05A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1404776-05B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)

Container Comments

L1404776-01X

L1404776-02X

L1404776-03X

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404776
Project Number:	170229002	**Report Date:**	03/13/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404776
Project Number:	170229002	**Report Date:**	03/13/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1404776
Project Number: 170229002 **Report Date:** 03/13/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

revised 3/13/14 CW

GROUNDWATER

Serial_No:03131416:35

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/6/14

ALPHA Job #: L1404776

Client Information

Client: LANGAN D.P.C.

Address:

Phone:

Fax:

Email: guyka@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAKGORODETSKY

ALPHA Quote #: 2014148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/13/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDDS metals=total/dissoved

2) PROVIDE ASP CAT. B DELIVERABLES

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Alpha VOCs	SVOCs	PCBs	Pesticides	Pyrenes	Metals	Hex. Chromium	Cyanide	Tot. Chromium				Sample Specific Comments	TOTAL # BOTTLES
04776-01	MW-17_030614	3/6/14	14:30	GW	SG	X	X	X	X	X	X	X	X	X				(6) 1L AMBERS, (2) SM. THAB., (3) 1L PLASTIC, (1) SM. PLASTIC, VOAS	
02	MW-25_030614		16:00	GW		X	X	X	X	X	X	X	X	X				(3) 1L AMBERS, (1) SM. AMB., (3) 1L PLASTIC, (1) SM. PLASTIC, VOAS	
03	GWDUP01_030614		-	GW		X	X	X	X	X	X	X	X	X					
04	GWTB01_030614		-	AQ		X	~~X~~											VOAs	
05	GWTB02_030614		-	AQ		X												VOAs	

* PLEASE NOTE LIMITED 1 L AMBERS AND SMALL AMBERS FOR ANALYSES

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/6/14 16:30	[signature]	3/6/14 1635
[signature]	3/6/14 1805	[signature]	3/6/14 1805
[signature]	3/6/14 2230	[signature]	3/6/14 2230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

GROUNDWATER

Serial_No:03131416:35

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/6/14

ALPHA Job #: L1404776

Client Information

Client: LANGAN D.P.C.

Address:

Phone:

Fax:

Email: guyka@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAKGORODETSKY

ALPHA Quote #: 2014148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/13/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDDS

2) PROVIDE ASP CAT. B DELIVERABLES

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	Pest's	Metals	Metals	Hex. Chromium	Cyanide	Tot. Chromium				Sample Specific Comments	TOTAL # BOTTLES
04776-01	MW-17	3/6/14	14:30	GW	[illegible]	X	X	X	X	X	X	X	X	X				(6) 1L AMBERS, (2) SM. THAB., (3) 1L PLASTIC, (1) SM. PLASTIC, VOAS	
02	MW-25		16:00	GW		X	X	X	X	X	X	X	X	X				(3) 1L AMBERS, (1) SM. AMB., (3) 1L PLASTIC, (1) SM. PLASTIC, VOAS	
03	GWDUP01_030614		–	GW		X	X	X	X	X	X	X	X	X					
04	GWTB01_030614		–	AQ		X												VOAs	
05	GWTB02_030614		–	AQ		X												VOAs	

* PLEASE NOTE LIMITED 1 L AMBERS AND SMALL AMBERS FOR ANALYSES

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3/6/14 16:30	[illegible]	3/6/14 1635
[illegible]	3/6/14 1805	[illegible]	3/6/14 1805
[illegible]	3/6/14 2230	[illegible]	3/6/14 2230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1404879
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	03/17/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404879-01	MW10_030714	BROOKLYN, NY	03/07/14 10:30
L1404879-02	MW16_030714	BROOKLYN, NY	03/07/14 12:45
L1404879-03	MW19_030714	BROOKLYN, NY	03/07/14 16:35
L1404879-04	MW20_030714	BROOKLYN, NY	03/07/14 15:30
L1404879-05	MW26_030714	BROOKLYN, NY	03/07/14 14:15
L1404879-06	GWFB_030714	BROOKLYN, NY	03/07/14 16:50
L1404879-07	GWTB_030714	BROOKLYN, NY	03/07/14 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1404879
Project Number: 170229002 **Report Date:** 03/17/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404879
Project Number:	170229002	**Report Date:**	03/17/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics by SIM

L1404879-01 has elevated detection limits due to the dilution required by the sample matrix.

The WG675421-4/-5 MS/MSD recoveries, performed on L1404879-05, are above the acceptance criteria for pentachlorophenol (110%/110%); however, the associated LCS/LCSD recoveries are within overall method allowances.

Semivolatile Organics

The WG674630-4/-5 MS/MSD recoveries, performed on L1404879-05, are outside the acceptance criteria for 2,4-dinitrotoluene (MSD at 100%), hexachlorocyclopentadiene (MS at 38%), and 4-chloroaniline (30%/30%).

Total Metals

The WG674498-3/-4 MS/MSD recovery for calcium (MSD at 73%) and sodium (70%/40%), performed on L1404879-05, does not apply because the sample concentration is greater than four times the spike amount added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/17/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-01	Date Collected:	03/07/14 10:30
Client ID:	MW10_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 05:12		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-01 Date Collected: 03/07/14 10:30

Client ID: MW10_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	43		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	0.73	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.9	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-01	Date Collected:	03/07/14 10:30
Client ID:	MW10_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-02	Date Collected:	03/07/14 12:45
Client ID:	MW16_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 05:47		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-02 Date Collected: 03/07/14 12:45

Client ID: MW16_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	2.9		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.2	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.1	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-02	Date Collected:	03/07/14 12:45
Client ID:	MW16_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-03	Date Collected:	03/07/14 16:35
Client ID:	MW19_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 06:22		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-03 Date Collected: 03/07/14 16:35

Client ID: MW19_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-03	Date Collected:	03/07/14 16:35
Client ID:	MW19_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-04	Date Collected:	03/07/14 15:30
Client ID:	MW20_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 04:46		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-04 Date Collected: 03/07/14 15:30

Client ID: MW20_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	0.92	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.2	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-04	Date Collected:	03/07/14 15:30
Client ID:	MW20_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	117		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-05	Date Collected:	03/07/14 14:15
Client ID:	MW26_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 06:24		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	3.9		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-05 Date Collected: 03/07/14 14:15

Client ID: MW26_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.0		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-05	Date Collected:	03/07/14 14:15
Client ID:	MW26_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	119		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-06	Date Collected:	03/07/14 16:50
Client ID:	GWFB_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 05:19		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-06 Date Collected: 03/07/14 16:50

Client ID: GWFB_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-06	Date Collected:	03/07/14 16:50
Client ID:	GWFB_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	112		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-07	Date Collected:	03/07/14 00:00
Client ID:	GWTB_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 05:51		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-07 Date Collected: 03/07/14 00:00

Client ID: GWTB_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-07 Date Collected: 03/07/14 00:00

Client ID: GWTB_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	119		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/12/14 21:35
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG675315-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/12/14 21:35
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG675315-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/12/14 21:35
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG675315-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/12/14 23:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG675333-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/12/14 23:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG675333-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/12/14 23:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG675333-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG675315-1 WG675315-2								
Methylene chloride	86		80		70-130	7		20
1,1-Dichloroethane	83		86		70-130	4		20
Chloroform	86		88		70-130	2		20
2-Chloroethylvinyl ether	83		**66**	Q	70-130	**23**	Q	20
Carbon tetrachloride	87		86		63-132	1		20
1,2-Dichloropropane	87		88		70-130	1		20
Dibromochloromethane	99		101		63-130	2		20
1,1,2-Trichloroethane	98		102		70-130	4		20
Tetrachloroethene	97		102		70-130	5		20
Chlorobenzene	96		98		75-130	2		20
Trichlorofluoromethane	85		85		62-150	0		20
1,2-Dichloroethane	88		91		70-130	3		20
1,1,1-Trichloroethane	85		87		67-130	2		20
Bromodichloromethane	87		89		67-130	2		20
trans-1,3-Dichloropropene	101		101		70-130	0		20
cis-1,3-Dichloropropene	87		87		70-130	0		20
1,1-Dichloropropene	84		87		70-130	4		20
Bromoform	87		87		54-136	0		20
1,1,2,2-Tetrachloroethane	96		96		67-130	0		20
Benzene	83		86		70-130	4		20
Toluene	95		98		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG675315-1 WG675315-2								
Ethylbenzene	96		98		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	77		64		39-139	18		20
Vinyl chloride	73		70		55-140	4		20
Chloroethane	75		70		55-138	7		20
1,1-Dichloroethene	84		85		61-145	1		20
trans-1,2-Dichloroethene	83		86		70-130	4		20
Trichloroethene	86		87		70-130	1		20
1,2-Dichlorobenzene	102		106		70-130	4		20
1,3-Dichlorobenzene	102		105		70-130	3		20
1,4-Dichlorobenzene	102		104		70-130	2		20
Methyl tert butyl ether	85		87		63-130	2		20
p/m-Xylene	99		102		70-130	3		20
o-Xylene	100		101		70-130	1		20
cis-1,2-Dichloroethene	86		87		70-130	1		20
Dibromomethane	92		91		70-130	1		20
1,2,3-Trichloropropane	95		96		64-130	1		20
Acrylonitrile	72		72		70-130	0		20
Isopropyl Ether	84		87		70-130	4		20
tert-Butyl Alcohol	74		79		70-130	7		20
Styrene	103		105		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG675315-1 WG675315-2								
Dichlorodifluoromethane	81		79		36-147	3		20
Acetone	73		72		58-148	1		20
Carbon disulfide	78		78		51-130	0		20
2-Butanone	75		65		63-138	14		20
Vinyl acetate	82		78		70-130	5		20
4-Methyl-2-pentanone	78		79		59-130	1		20
2-Hexanone	92		87		57-130	6		20
Bromochloromethane	88		88		70-130	0		20
2,2-Dichloropropane	85		82		63-133	4		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	100		102		70-130	2		20
1,1,1,2-Tetrachloroethane	97		102		64-130	5		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	104		108		53-136	4		20
sec-Butylbenzene	100		104		70-130	4		20
tert-Butylbenzene	98		100		70-130	2		20
o-Chlorotoluene	99		100		70-130	1		20
p-Chlorotoluene	99		101		70-130	2		20
1,2-Dibromo-3-chloropropane	89		91		41-144	2		20
Hexachlorobutadiene	104		109		63-130	5		20
Isopropylbenzene	96		98		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG675315-1 WG675315-2								
p-Isopropyltoluene	102		105		70-130	3		20
Naphthalene	100		99		70-130	1		20
n-Propylbenzene	98		100		69-130	2		20
1,2,3-Trichlorobenzene	102		101		70-130	1		20
1,2,4-Trichlorobenzene	102		104		70-130	2		20
1,3,5-Trimethylbenzene	101		103		64-130	2		20
1,2,4-Trimethylbenzene	100		104		70-130	4		20
Methyl Acetate	82		85		70-130	4		20
Ethyl Acetate	77		75		70-130	3		20
Cyclohexane	85		89		70-130	5		20
Ethyl-Tert-Butyl-Ether	88		87		70-130	1		20
Tertiary-Amyl Methyl Ether	85		86		66-130	1		20
1,4-Dioxane	81		84		56-162	4		20
Freon-113	88		89		70-130	1		20
p-Diethylbenzene	103		107		70-130	4		20
p-Ethyltoluene	100		101		70-130	1		20
1,2,4,5-Tetramethylbenzene	103		108		70-130	5		20
Ethyl ether	88		84		59-134	5		20
trans-1,4-Dichloro-2-butene	89		86		70-130	3		20
Methyl cyclohexane	85		88		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG675315-1 WG675315-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		103		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG675333-1 WG675333-2								
Methylene chloride	108		105		70-130	3		20
1,1-Dichloroethane	93		98		70-130	5		20
Chloroform	94		98		70-130	4		20
2-Chloroethylvinyl ether	71		79		70-130	11		20
Carbon tetrachloride	90		96		63-132	6		20
1,2-Dichloropropane	91		96		70-130	5		20
Dibromochloromethane	86		92		63-130	7		20
1,1,2-Trichloroethane	93		100		70-130	7		20
Tetrachloroethene	90		94		70-130	4		20
Chlorobenzene	93		97		75-130	4		20
Trichlorofluoromethane	94		98		62-150	4		20
1,2-Dichloroethane	93		98		70-130	5		20
1,1,1-Trichloroethane	91		96		67-130	5		20
Bromodichloromethane	89		95		67-130	7		20
trans-1,3-Dichloropropene	89		97		70-130	9		20
cis-1,3-Dichloropropene	81		87		70-130	7		20
1,1-Dichloropropene	83		89		70-130	7		20
Bromoform	79		90		54-136	13		20
1,1,2,2-Tetrachloroethane	85		93		67-130	9		20
Benzene	94		99		70-130	5		20
Toluene	93		98		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG675333-1 WG675333-2								
Ethylbenzene	98		103		70-130	5		20
Chloromethane	90		94		64-130	4		20
Bromomethane	98		108		39-139	10		20
Vinyl chloride	90		96		55-140	6		20
Chloroethane	87		91		55-138	4		20
1,1-Dichloroethene	91		95		61-145	4		20
trans-1,2-Dichloroethene	93		98		70-130	5		20
Trichloroethene	94		100		70-130	6		20
1,2-Dichlorobenzene	92		96		70-130	4		20
1,3-Dichlorobenzene	94		99		70-130	5		20
1,4-Dichlorobenzene	89		94		70-130	5		20
Methyl tert butyl ether	89		98		63-130	10		20
p/m-Xylene	94		98		70-130	4		20
o-Xylene	93		97		70-130	4		20
cis-1,2-Dichloroethene	91		96		70-130	5		20
Dibromomethane	89		94		70-130	5		20
1,2,3-Trichloropropane	87		97		64-130	11		20
Acrylonitrile	89		100		70-130	12		20
Isopropyl Ether	88		98		70-130	11		20
tert-Butyl Alcohol	95		127		70-130	**29**	Q	20
Styrene	96		100		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG675333-1 WG675333-2								
Dichlorodifluoromethane	88		92		36-147	4		20
Acetone	130		119		58-148	9		20
Carbon disulfide	85		92		51-130	8		20
2-Butanone	95		103		63-138	8		20
Vinyl acetate	93		103		70-130	10		20
4-Methyl-2-pentanone	70		79		59-130	12		20
2-Hexanone	78		84		57-130	7		20
Acrolein	119		111		40-160	7		20
Bromochloromethane	94		98		70-130	4		20
2,2-Dichloropropane	92		98		63-133	6		20
1,2-Dibromoethane	88		96		70-130	9		20
1,3-Dichloropropane	92		98		70-130	6		20
1,1,1,2-Tetrachloroethane	93		98		64-130	5		20
Bromobenzene	87		93		70-130	7		20
n-Butylbenzene	91		96		53-136	5		20
sec-Butylbenzene	88		93		70-130	6		20
tert-Butylbenzene	88		94		70-130	7		20
o-Chlorotoluene	97		102		70-130	5		20
p-Chlorotoluene	96		102		70-130	6		20
1,2-Dibromo-3-chloropropane	96		101		41-144	5		20
Hexachlorobutadiene	95		102		63-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG675333-1 WG675333-2								
Isopropylbenzene	82		88		70-130	7		20
p-Isopropyltoluene	84		89		70-130	6		20
Naphthalene	71		77		70-130	8		20
n-Propylbenzene	96		102		69-130	6		20
1,2,3-Trichlorobenzene	83		87		70-130	5		20
1,2,4-Trichlorobenzene	78		81		70-130	4		20
1,3,5-Trimethylbenzene	92		96		64-130	4		20
1,2,4-Trimethylbenzene	92		98		70-130	6		20
Methyl Acetate	117		113		70-130	3		20
Ethyl Acetate	86		96		70-130	11		20
Cyclohexane	92		98		70-130	6		20
Ethyl-Tert-Butyl-Ether	85		93		70-130	9		20
Tertiary-Amyl Methyl Ether	81		90		66-130	11		20
1,4-Dioxane	138		154		56-162	11		20
Freon-113	96		101		70-130	5		20
p-Diethylbenzene	83		86		70-130	4		20
p-Ethyltoluene	90		95		70-130	5		20
1,2,4,5-Tetramethylbenzene	83		86		70-130	4		20
Ethyl ether	92		99		59-134	7		20
trans-1,4-Dichloro-2-butene	80		95		70-130	17		20
Iodomethane	112		117		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG675333-1 WG675333-2								
Methyl cyclohexane	88		94		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	101		99		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG675333-4 WG675333-5 QC Sample: L1404879-05 Client ID: MW26_030714												
Methylene chloride	ND	10	12	124		11	109		70-130	9		20
1,1-Dichloroethane	ND	10	11	111		11	112		70-130	0		20
Chloroform	3.9	10	14	107		14	105		70-130	0		20
2-Chloroethylvinyl ether	ND	10	ND	**0**	Q	ND	**0**	Q	70-130	NC		20
Carbon tetrachloride	ND	10	11	112		11	112		63-132	0		20
1,2-Dichloropropane	ND	10	11	108		11	109		70-130	0		20
Dibromochloromethane	ND	10	10	101		10	103		63-130	0		20
1,1,2-Trichloroethane	ND	10	11	108		11	108		70-130	0		20
Tetrachloroethene	ND	10	10	102		10	106		70-130	0		20
Chlorobenzene	ND	10	10	104		11	106		75-130	10		20
Trichlorofluoromethane	ND	10	12	120		12	120		62-150	0		20
1,2-Dichloroethane	ND	10	11	111		11	111		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	109		11	110		67-130	0		20
Bromodichloromethane	ND	10	11	111		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	100		10	105		70-130	0		20
cis-1,3-Dichloropropene	ND	10	7.6	76		7.9	79		70-130	4		20
1,1-Dichloropropene	ND	10	9.6	96		10	100		70-130	4		20
Bromoform	ND	10	9.5	95		10	100		54-136	5		20
1,1,2,2-Tetrachloroethane	ND	10	9.8	98		10	102		67-130	2		20
Benzene	ND	10	11	111		11	112		70-130	0		20
Toluene	ND	10	11	108		11	110		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG675333-4 WG675333-5 QC Sample: L1404879-05 Client ID: MW26_030714												
Ethylbenzene	ND	10	11	114		12	115		70-130	9		20
Chloromethane	ND	10	12	116		11	112		64-130	9		20
Bromomethane	ND	10	12	124		13	132		39-139	8		20
Vinyl chloride	ND	10	12	119		12	120		55-140	0		20
Chloroethane	ND	10	11	112		12	119		55-138	9		20
1,1-Dichloroethene	ND	10	11	113		12	116		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	113		11	114		70-130	0		20
Trichloroethene	ND	10	11	114		11	113		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.8	98		10	102		70-130	2		20
1,3-Dichlorobenzene	ND	10	10	100		10	106		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.6	96		9.9	100		70-130	3		20
Methyl tert butyl ether	ND	10	11	107		11	109		63-130	0		20
p/m-Xylene	ND	20	21	107		21	107		70-130	0		20
o-Xylene	ND	20	21	105		21	105		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		10	106		70-130	0		20
Dibromomethane	ND	10	10	106		10	104		70-130	0		20
1,2,3-Trichloropropane	ND	10	10	101		10	105		64-130	0		20
Acrylonitrile	ND	10	10	103		11	107		70-130	10		20
Isopropyl Ether	ND	10	11	107		12	116		70-130	9		20
tert-Butyl Alcohol	ND	50	66	**131**	Q	69	**139**	Q	70-130	4		20
Styrene	ND	20	22	108		22	108		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG675333-4 WG675333-5 QC Sample: L1404879-05 Client ID: MW26_030714												
Dichlorodifluoromethane	ND	10	10	104		10	103		36-147	0		20
Acetone	6.0	10	17	106		14	86		58-148	19		20
Carbon disulfide	ND	10	12	118		12	120		51-130	0		20
2-Butanone	ND	10	10	104		10	105		63-138	0		20
Vinyl acetate	ND	10	11	108		11	111		70-130	0		20
4-Methyl-2-pentanone	ND	10	8.5	85		8.5	85		59-130	0		20
2-Hexanone	ND	10	8.4	84		8.8	88		57-130	5		20
Acrolein	ND	10	13	133		12	125		40-160	8		20
Bromochloromethane	ND	10	11	110		11	109		70-130	0		20
2,2-Dichloropropane	ND	10	9.4	94		9.6	96		63-133	2		20
1,2-Dibromoethane	ND	10	10	100		10	103		70-130	0		20
1,3-Dichloropropane	ND	10	10	106		11	108		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	10	106		11	109		64-130	10		20
Bromobenzene	ND	10	9.4	94		10	101		70-130	6		20
n-Butylbenzene	ND	10	9.8	98		10	103		53-136	2		20
sec-Butylbenzene	ND	10	9.6	96		10	102		70-130	4		20
tert-Butylbenzene	ND	10	9.6	96		10	104		70-130	4		20
o-Chlorotoluene	ND	10	11	106		11	112		70-130	0		20
p-Chlorotoluene	ND	10	10	104		11	110		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	10	102		10	105		41-144	0		20
Hexachlorobutadiene	ND	10	10	100		11	109		63-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG675333-4 WG675333-5 QC Sample: L1404879-05 Client ID: MW26_030714												
Isopropylbenzene	ND	10	9.0	90		9.7	97		70-130	7		20
p-Isopropyltoluene	ND	10	9.1	91		9.6	96		70-130	5		20
Naphthalene	ND	10	8.0	80		8.6	86		70-130	7		20
n-Propylbenzene	ND	10	11	107		11	113		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	8.7	87		9.2	92		70-130	6		20
1,2,4-Trichlorobenzene	ND	10	8.1	81		8.6	86		70-130	6		20
1,3,5-Trimethylbenzene	ND	10	10	100		10	106		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	10	101		11	107		70-130	10		20
Methyl Acetate	ND	10	12	123		12	120		70-130	0		20
Ethyl Acetate	ND	10	9.3J	93		10	101		70-130	7		20
Cyclohexane	ND	10	11	113		11	115		70-130	0		20
Ethyl-Tert-Butyl-Ether	ND	10	9.6	96		10	102		70-130	4		20
Tertiary-Amyl Methyl Ether	ND	10	9.4	94		9.9	99		66-130	5		20
1,4-Dioxane	ND	1000	1300	134		1500	153		56-162	14		20
Freon-113	ND	10	12	119		12	119		70-130	0		20
p-Diethylbenzene	ND	10	8.9	89		9.4	94		70-130	5		20
p-Ethyltoluene	ND	10	10	100		11	106		70-130	10		20
1,2,4,5-Tetramethylbenzene	ND	10	8.6	86		9.2	92		70-130	7		20
Ethyl ether	ND	10	11	109		12	115		59-134	9		20
trans-1,4-Dichloro-2-butene	ND	10	9.6	96		10	100		70-130	4		20
Iodomethane	ND	10	13	**132**	Q	14	**139**	Q	70-130	7		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG675333-4 WG675333-5 QC Sample: L1404879-05 Client ID: MW26_030714												
Methyl cyclohexane	ND	10	11	107		11	108		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		105		70-130
4-Bromofluorobenzene	95		99		70-130
Dibromofluoromethane	107		103		70-130
Toluene-d8	100		101		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-01	Date Collected:	03/07/14 10:30
Client ID:	MW10_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/10/14 21:04
Analytical Date:	03/13/14 14:44		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-01	Date Collected:	03/07/14 10:30
Client ID:	MW10_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	82		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-01	D	Date Collected:	03/07/14 10:30
Client ID:	MW10_030714		Date Received:	03/07/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM		Extraction Date:	03/13/14 23:09
Analytical Date:	03/15/14 13:41			
Analyst:	MW			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.8		ug/l	1.0	0.32	5
2-Chloronaphthalene	ND		ug/l	1.0	0.33	5
Fluoranthene	0.64	J	ug/l	1.0	0.22	5
Hexachlorobutadiene	ND		ug/l	2.5	0.36	5
Naphthalene	17		ug/l	1.0	0.32	5
Benzo(a)anthracene	ND		ug/l	1.0	0.28	5
Benzo(a)pyrene	ND		ug/l	1.0	0.34	5
Benzo(b)fluoranthene	ND		ug/l	1.0	0.36	5
Benzo(k)fluoranthene	ND		ug/l	1.0	0.34	5
Chrysene	ND		ug/l	1.0	0.24	5
Acenaphthylene	ND		ug/l	1.0	0.25	5
Anthracene	ND		ug/l	1.0	0.32	5
Benzo(ghi)perylene	ND		ug/l	1.0	0.35	5
Fluorene	0.68	J	ug/l	1.0	0.28	5
Phenanthrene	0.42	J	ug/l	1.0	0.32	5
Dibenzo(a,h)anthracene	ND		ug/l	1.0	0.36	5
Indeno(1,2,3-cd)Pyrene	ND		ug/l	1.0	0.40	5
Pyrene	0.56	J	ug/l	1.0	0.28	5
2-Methylnaphthalene	2.4		ug/l	1.0	0.30	5
Pentachlorophenol	ND		ug/l	4.0	0.94	5
Hexachlorobenzene	ND		ug/l	4.0	0.07	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	120		10-120
4-Terphenyl-d14	109		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-02	Date Collected:	03/07/14 12:45
Client ID:	MW16_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/10/14 21:04
Analytical Date:	03/13/14 15:12		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-02 Date Collected: 03/07/14 12:45

Client ID: MW16_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	79		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-02	Date Collected:	03/07/14 12:45
Client ID:	MW16_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/13/14 23:09
Analytical Date:	03/15/14 14:11		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.16	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.18	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.11	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.16	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.15	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.07	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.08	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.12	J	ug/l	0.20	0.07	1
Fluorene	0.10	J	ug/l	0.20	0.06	1
Phenanthrene	0.15	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.17	J	ug/l	0.20	0.08	1
Pyrene	0.15	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	90		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-03	Date Collected:	03/07/14 16:35
Client ID:	MW19_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/10/14 21:04
Analytical Date:	03/13/14 15:39		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-03	Date Collected:	03/07/14 16:35
Client ID:	MW19_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	69		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-03	Date Collected:	03/07/14 16:35
Client ID:	MW19_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/13/14 23:09
Analytical Date:	03/15/14 14:42		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.14	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.06	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.16	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.14	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.05	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.12	J	ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.12	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.17	J	ug/l	0.20	0.08	1
Pyrene	0.13	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	93		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-04	Date Collected:	03/07/14 15:30
Client ID:	MW20_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/10/14 21:04
Analytical Date:	03/13/14 16:06		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-04	Date Collected:	03/07/14 15:30
Client ID:	MW20_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	71		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-04	Date Collected:	03/07/14 15:30
Client ID:	MW20_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/13/14 23:09
Analytical Date:	03/15/14 15:12		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.14	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.09	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.09	J	ug/l	0.20	0.06	1
Phenanthrene	0.20		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.13	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	104		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-05	Date Collected:	03/07/14 14:15
Client ID:	MW26_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/10/14 21:04
Analytical Date:	03/13/14 16:33		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-05	Date Collected:	03/07/14 14:15
Client ID:	MW26_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	74		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-05	Date Collected:	03/07/14 14:15
Client ID:	MW26_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/13/14 23:09
Analytical Date:	03/15/14 13:10		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.09	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.08	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.09	J	ug/l	0.20	0.06	1
Phenanthrene	0.10	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.06	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	95		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-06	Date Collected:	03/07/14 16:50
Client ID:	GWFB_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/10/14 21:04
Analytical Date:	03/13/14 17:00		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-06 Date Collected: 03/07/14 16:50

Client ID: GWFB_030714 Date Received: 03/07/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	67		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-06	Date Collected:	03/07/14 16:50
Client ID:	GWFB_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/13/14 23:09
Analytical Date:	03/15/14 15:43		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.10	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	91		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/13/14 18:48
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/10/14 21:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG674630-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/13/14 18:48
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/10/14 21:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG674630-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	71		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/15/14 10:37
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 03/13/14 23:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG675421-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/15/14 10:37
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 03/13/14 23:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG675421-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	90		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG674630-2 WG674630-3								
1,2,4-Trichlorobenzene	48		54		39-98	12		30
Bis(2-chloroethyl)ether	48		56		40-140	15		30
1,2-Dichlorobenzene	44		50		40-140	13		30
1,3-Dichlorobenzene	44		49		40-140	11		30
1,4-Dichlorobenzene	44		47		36-97	7		30
3,3'-Dichlorobenzidine	**11**	Q	48		40-140	**125**	Q	30
2,4-Dinitrotoluene	**104**	Q	**103**	Q	24-96	1		30
2,6-Dinitrotoluene	99		97		40-140	2		30
4-Chlorophenyl phenyl ether	78		82		40-140	5		30
4-Bromophenyl phenyl ether	93		94		40-140	1		30
Bis(2-chloroisopropyl)ether	42		47		40-140	11		30
Bis(2-chloroethoxy)methane	56		63		40-140	12		30
Hexachlorocyclopentadiene	**24**	Q	**29**	Q	40-140	19		30
Isophorone	56		62		40-140	10		30
Nitrobenzene	58		66		40-140	13		30
NitrosoDiPhenylAmine(NDPA)/DPA	70		84		40-140	18		30
n-Nitrosodi-n-propylamine	52		60		29-132	14		30
Bis(2-Ethylhexyl)phthalate	79		84		40-140	6		30
Butyl benzyl phthalate	89		95		40-140	7		30
Di-n-butylphthalate	84		88		40-140	5		30
Di-n-octylphthalate	85		89		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG674630-2 WG674630-3								
Diethyl phthalate	85		85		40-140	0		30
Dimethyl phthalate	82		84		40-140	2		30
Biphenyl	59		65			10		30
4-Chloroaniline	**28**	Q	**29**	Q	40-140	4		30
2-Nitroaniline	101		104		52-143	3		30
3-Nitroaniline	35		39		25-145	11		30
4-Nitroaniline	76		83		51-143	9		30
Dibenzofuran	73		76		40-140	4		30
1,2,4,5-Tetrachlorobenzene	54		62		2-134	14		30
Acetophenone	60		69		39-129	14		30
2,4,6-Trichlorophenol	84		96		30-130	13		30
P-Chloro-M-Cresol	81		85		23-97	5		30
2-Chlorophenol	53		59		27-123	11		30
2,4-Dichlorophenol	70		79		30-130	12		30
2,4-Dimethylphenol	60		67		30-130	11		30
2-Nitrophenol	72		84		30-130	15		30
4-Nitrophenol	53		54		10-80	2		30
2,4-Dinitrophenol	105		125		20-130	17		30
4,6-Dinitro-o-cresol	118		125		20-164	6		30
Phenol	24		26		12-110	8		30
2-Methylphenol	47		53		30-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG674630-2 WG674630-3								
3-Methylphenol/4-Methylphenol	48		52		30-130	8		30
2,4,5-Trichlorophenol	95		106		30-130	11		30
Benzoic Acid	38		56			**38**	Q	30
Benzyl Alcohol	46		52			12		30
Carbazole	67		87		55-144	26		30
Benzaldehyde	**32**	Q	**31**	Q	40-140	3		30
Caprolactam	30		26		10-130	14		30
Atrazine	55		90		40-140	**48**	Q	30
2,3,4,6-Tetrachlorophenol	94		105		54-145	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	33		37		21-120
Phenol-d6	24		26		10-120
Nitrobenzene-d5	63		70		23-120
2-Fluorobiphenyl	70		76		15-120
2,4,6-Tribromophenol	95		104		10-120
4-Terphenyl-d14	92		96		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG675421-2 WG675421-3								
Acenaphthene	69		71		37-111	3		40
2-Chloronaphthalene	66		68		40-140	3		40
Fluoranthene	89		90		40-140	1		40
Hexachlorobutadiene	57		56		40-140	2		40
Naphthalene	65		65		40-140	0		40
Benzo(a)anthracene	98		98		40-140	0		40
Benzo(a)pyrene	83		80		40-140	4		40
Benzo(b)fluoranthene	84		84		40-140	0		40
Benzo(k)fluoranthene	89		90		40-140	1		40
Chrysene	85		85		40-140	0		40
Acenaphthylene	74		76		40-140	3		40
Anthracene	77		78		40-140	1		40
Benzo(ghi)perylene	84		82		40-140	2		40
Fluorene	82		85		40-140	4		40
Phenanthrene	83		84		40-140	1		40
Dibenzo(a,h)anthracene	82		82		40-140	0		40
Indeno(1,2,3-cd)Pyrene	86		85		40-140	1		40
Pyrene	86		87		26-127	1		40
2-Methylnaphthalene	70		70		40-140	0		40
Pentachlorophenol	81		85		9-103	5		40
Hexachlorobenzene	70		73		40-140	4		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG675421-2 WG675421-3								
Hexachloroethane	64		62		40-140	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		43		21-120
Phenol-d6	30		30		10-120
Nitrobenzene-d5	77		75		23-120
2-Fluorobiphenyl	68		68		15-120
2,4,6-Tribromophenol	81		81		10-120
4-Terphenyl-d14	89		88		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674630-4 WG674630-5 QC Sample: L1404879-05 Client ID: MW26_030714												
1,2,4-Trichlorobenzene	ND	40	24	60		24	60		39-98	0		30
Bis(2-chloroethyl)ether	ND	40	21	53		22	55		40-140	5		30
1,2-Dichlorobenzene	ND	40	22	55		22	55		40-140	0		30
1,3-Dichlorobenzene	ND	40	21	53		21	53		40-140	0		30
1,4-Dichlorobenzene	ND	40	20	50		21	53		36-97	5		30
3,3'-Dichlorobenzidine	ND	40	16	40		19	48		40-140	17		30
2,4-Dinitrotoluene	ND	40	38	95		40	**100**	Q	24-96	5		30
2,6-Dinitrotoluene	ND	40	37	93		38	95		40-140	3		30
4-Chlorophenyl phenyl ether	ND	40	32	80		32	80		40-140	0		30
4-Bromophenyl phenyl ether	ND	40	35	88		35	88		40-140	0		30
Bis(2-chloroisopropyl)ether	ND	40	18	45		19	48		40-140	5		30
Bis(2-chloroethoxy)methane	ND	40	24	60		24	60		40-140	0		30
Hexachlorocyclopentadiene	ND	40	15J	**38**	Q	17.J	43		40-140	13		30
Isophorone	ND	40	23	58		24	60		40-140	4		30
Nitrobenzene	ND	40	25	63		27	68		40-140	8		30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	32	80		33	83		40-140	3		30
n-Nitrosodi-n-propylamine	ND	40	22	55		23	58		29-132	4		30
Bis(2-Ethylhexyl)phthalate	ND	40	30	75		31	78		40-140	3		30
Butyl benzyl phthalate	ND	40	34	85		34	85		40-140	0		30
Di-n-butylphthalate	ND	40	32	80		33	83		40-140	3		30
Di-n-octylphthalate	ND	40	32	80		33	83		40-140	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674630-4 WG674630-5 QC Sample: L1404879-05 Client ID: MW26_030714												
Diethyl phthalate	ND	40	32	80		32	80		40-140	0		30
Dimethyl phthalate	ND	40	31	78		32	80		40-140	3		30
Biphenyl	ND	40	26	65		27	68			4		30
4-Chloroaniline	ND	40	12	**30**	Q	12	**30**	Q	40-140	0		30
2-Nitroaniline	ND	40	33	83		34	85		52-143	3		30
3-Nitroaniline	ND	40	20	50		21	53		25-145	5		30
4-Nitroaniline	ND	40	25	63		25	63		51-143	0		30
Dibenzofuran	ND	40	29	73		30	75		40-140	3		30
1,2,4,5-Tetrachlorobenzene	ND	40	27	68		28	70		2-134	4		30
Acetophenone	ND	40	25	63		26	65		39-129	4		30
2,4,6-Trichlorophenol	ND	40	34	85		37	93		30-130	8		30
P-Chloro-M-Cresol	ND	40	29	73		32	80		23-97	10		30
2-Chlorophenol	ND	40	21	53		22	55		27-123	5		30
2,4-Dichlorophenol	ND	40	28	70		30	75		30-130	7		30
2,4-Dimethylphenol	ND	40	21	53		23	58		30-130	9		30
2-Nitrophenol	ND	40	31	78		33	83		30-130	6		30
4-Nitrophenol	ND	40	19	48		20	50		10-80	5		30
2,4-Dinitrophenol	ND	40	46	120		48	120		20-130	4		30
4,6-Dinitro-o-cresol	ND	40	46	120		48	120		20-164	4		30
Phenol	ND	40	9.6	24		10	25		12-110	4		30
2-Methylphenol	ND	40	19	48		20	50		30-130	5		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674630-4 WG674630-5 QC Sample: L1404879-05 Client ID: MW26_030714												
3-Methylphenol/4-Methylphenol	ND	40	19	48		20	50		30-130	5		30
2,4,5-Trichlorophenol	ND	40	36	90		40	100		30-130	11		30
Benzoic Acid	ND	40	20J	50		21.J	53			5		30
Benzyl Alcohol	ND	40	19	48		20	50			5		30
Carbazole	ND	40	32	80		32	80		55-144	0		30
Benzaldehyde	ND	40	18	45		20	50		40-140	11		30
Caprolactam	ND	40	9.0J	23		9.9J	25		10-130	10		30
Atrazine	ND	40	38	95		40	100		40-140	5		30
2,3,4,6-Tetrachlorophenol	ND	40	37	93		39	98		54-145	5		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	93		96		10-120
2-Fluorobiphenyl	68		75		15-120
2-Fluorophenol	33		35		21-120
4-Terphenyl-d14	86		87		41-149
Nitrobenzene-d5	63		66		23-120
Phenol-d6	24		24		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG675421-4 WG675421-5 QC Sample: L1404879-05 Client ID: MW26_030714												
Acenaphthene	0.09J	40	35	88		34	85		37-111	3		40
2-Chloronaphthalene	ND	40	32	80		31	78		40-140	3		40
Fluoranthene	0.08J	40	43	110		42	110		40-140	2		40
Hexachlorobutadiene	ND	40	26	65		25	63		40-140	4		40
Naphthalene	ND	40	28	70		27	68		40-140	4		40
Benzo(a)anthracene	ND	40	47	120		45	110		40-140	4		40
Benzo(a)pyrene	ND	40	38	95		37	93		40-140	3		40
Benzo(b)fluoranthene	ND	40	40	100		39	98		40-140	3		40
Benzo(k)fluoranthene	ND	40	42	110		41	100		40-140	2		40
Chrysene	ND	40	41	100		39	98		40-140	5		40
Acenaphthylene	ND	40	36	90		36	90		40-140	0		40
Anthracene	ND	40	38	95		37	93		40-140	3		40
Benzo(ghi)perylene	ND	40	39	98		38	95		40-140	3		40
Fluorene	0.09J	40	42	110		41	100		40-140	2		40
Phenanthrene	0.10J	40	40	100		39	98		40-140	3		40
Dibenzo(a,h)anthracene	ND	40	39	98		38	95		40-140	3		40
Indeno(1,2,3-cd)Pyrene	ND	40	40	100		39	98		40-140	3		40
Pyrene	0.06J	40	41	100		40	100		26-127	2		40
2-Methylnaphthalene	ND	40	32	80		31	78		40-140	3		40
Pentachlorophenol	ND	40	43	**110**	Q	42	**110**	Q	9-103	2		40
Hexachlorobenzene	ND	40	36	90		34	85		40-140	6		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG675421-4 WG675421-5 QC Sample: L1404879-05 Client ID: MW26_030714												
Hexachloroethane	ND	40	26	65		25	63		40-140	4		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	**125**	Q	**123**	Q	10-120
2-Fluorobiphenyl	80		81		15-120
2-Fluorophenol	62		60		21-120
4-Terphenyl-d14	104		102		41-149
Nitrobenzene-d5	80		77		23-120
Phenol-d6	51		50		10-120

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-01	Date Collected:	03/07/14 10:30
Client ID:	MW10_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/08/14 11:51
Analytical Date:	03/10/14 10:57	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/09/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-02	Date Collected:	03/07/14 12:45
Client ID:	MW16_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/08/14 11:51
Analytical Date:	03/10/14 11:10	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/09/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-03	Date Collected:	03/07/14 16:35
Client ID:	MW19_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/08/14 11:51
Analytical Date:	03/10/14 11:22	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/09/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-04	Date Collected:	03/07/14 15:30
Client ID:	MW20_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/08/14 11:51
Analytical Date:	03/10/14 11:34	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/09/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-05	Date Collected:	03/07/14 14:15
Client ID:	MW26_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/08/14 11:51
Analytical Date:	03/10/14 11:47	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/09/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-06	Date Collected:	03/07/14 16:50
Client ID:	GWFB_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/08/14 11:51
Analytical Date:	03/10/14 11:59	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/09/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404879

Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/10/14 09:56
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/08/14 11:51
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/09/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG674371-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	43		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674371-4 WG674371-5 QC Sample: L1404879-05 Client ID: MW26_030714													
Aroclor 1016	ND	2.6	2.05	79		2.28	88		40-140	11		50	A
Aroclor 1260	ND	2.6	2.12	81		2.30	88		40-140	8		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		77		30-150	A
Decachlorobiphenyl	59		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		82		30-150	B
Decachlorobiphenyl	61		74		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG674371-2 WG674371-3									
Aroclor 1016	75		68		40-140	10		50	A
Aroclor 1260	79		70		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		53		30-150	A
Decachlorobiphenyl	62		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		59		30-150	B
Decachlorobiphenyl	66		62		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-01	Date Collected:	03/07/14 10:30
Client ID:	MW10_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/08/14 11:45
Analytical Date:	03/10/14 17:02	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-01	Date Collected:	03/07/14 10:30
Client ID:	MW10_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 05:00
Analytical Date:	03/12/14 13:33	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		30-150	A
DCAA	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-02	Date Collected:	03/07/14 12:45
Client ID:	MW16_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/08/14 11:45
Analytical Date:	03/10/14 17:15	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-02	Date Collected:	03/07/14 12:45
Client ID:	MW16_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 05:00
Analytical Date:	03/12/14 13:53	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-03	Date Collected:	03/07/14 16:35
Client ID:	MW19_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/08/14 11:45
Analytical Date:	03/10/14 17:29	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-03	Date Collected:	03/07/14 16:35
Client ID:	MW19_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 05:00
Analytical Date:	03/12/14 14:33	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		30-150	A
DCAA	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-04	Date Collected:	03/07/14 15:30
Client ID:	MW20_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/08/14 11:45
Analytical Date:	03/10/14 17:42	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-04	Date Collected:	03/07/14 15:30
Client ID:	MW20_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 05:00
Analytical Date:	03/12/14 14:53	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-05	Date Collected:	03/07/14 14:15
Client ID:	MW26_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/08/14 11:45
Analytical Date:	03/10/14 17:55	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	114		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-05	Date Collected:	03/07/14 14:15
Client ID:	MW26_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 05:00
Analytical Date:	03/12/14 15:13	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	66		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-06	Date Collected:	03/07/14 16:50
Client ID:	GWFB_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/08/14 11:45
Analytical Date:	03/10/14 18:08	Cleanup Method1:	EPA 3620B
Analyst:	GP	Cleanup Date1:	03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404879-06	Date Collected:	03/07/14 16:50
Client ID:	GWFB_030714	Date Received:	03/07/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 05:00
Analytical Date:	03/12/14 15:33	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/10/14 16:22
Analyst: GP

Extraction Method: EPA 3510C
Extraction Date: 03/08/14 11:45
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/10/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG674370-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/13/14 05:36
Analyst: GP

Extraction Method: EPA 8151A
Extraction Date: 03/11/14 05:00

Methylation Date: 03/11/14 17:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-06 Batch: WG674674-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG674370-2 WG674370-3									
Delta-BHC	78		72		30-150	7		20	A
Lindane	78		73		30-150	7		20	A
Alpha-BHC	82		77		30-150	7		20	A
Beta-BHC	74		70		30-150	6		20	A
Heptachlor	68		65		30-150	4		20	A
Aldrin	62		58		30-150	6		20	A
Heptachlor epoxide	84		78		30-150	7		20	A
Endrin	92		88		30-150	5		20	A
Endrin ketone	88		86		30-150	3		20	A
Dieldrin	92		87		30-150	6		20	A
4,4'-DDE	86		80		30-150	7		20	A
4,4'-DDD	85		82		30-150	4		20	A
4,4'-DDT	100		93		30-150	7		20	A
Endosulfan I	87		84		30-150	3		20	A
Endosulfan II	88		84		30-150	5		20	A
Endosulfan sulfate	90		87		30-150	4		20	A
Methoxychlor	91		85		30-150	6		20	A
cis-Chlordane	86		80		30-150	7		20	A
trans-Chlordane	82		77		30-150	6		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG674370-2 WG674370-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		56		30-150	A
Decachlorobiphenyl	61		49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		56		30-150	B
Decachlorobiphenyl	82		68		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG674674-2 WG674674-3									
2,4-D	104		108		30-150	4		25	A
2,4,5-T	79		84		30-150	6		25	A
2,4,5-TP (Silvex)	77		80		30-150	4		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	72		73		30-150	A
DCAA	86		79		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674370-4 WG674370-5 QC Sample: L1404879-05 Client ID: MW26_030714													
Delta-BHC	ND	0.5	0.437	87		0.372	74		30-150	16		30	A
Lindane	ND	0.5	0.447	89		0.368	74		30-150	19		30	A
Alpha-BHC	ND	0.5	0.467	93		0.382	76		30-150	20		30	A
Beta-BHC	ND	0.5	0.414	83		0.365	73		30-150	13		30	A
Heptachlor	ND	0.5	0.431	86		0.362	72		30-150	17		30	A
Aldrin	ND	0.5	0.394	79		0.337	67		30-150	16		30	A
Heptachlor epoxide	ND	0.5	0.487	97		0.409	82		30-150	17		30	A
Endrin	ND	0.5	0.547	109		0.473	95		30-150	15		30	A
Endrin ketone	ND	0.5	0.503	101		0.438	88		30-150	14		30	A
Dieldrin	ND	0.5	0.521	104		0.443	89		30-150	16		30	A
4,4'-DDE	ND	0.5	0.490	98		0.417	83		30-150	16		30	A
4,4'-DDD	ND	0.5	0.490	98		0.428	86		30-150	14		30	A
4,4'-DDT	ND	0.5	0.575	115		0.495	99		30-150	15		30	A
Endosulfan I	ND	0.5	0.492	98		0.426	85		30-150	14		30	A
Endosulfan II	ND	0.5	0.507	101		0.411	82		30-150	21		30	A
Endosulfan sulfate	ND	0.5	0.522	104		0.453	91		30-150	14		30	A
Methoxychlor	ND	0.5	0.522	104		0.466	93		30-150	11		30	A
cis-Chlordane	ND	0.5	0.490	98		0.410	82		30-150	18		30	A
trans-Chlordane	ND	0.5	0.472	94		0.402	80		30-150	16		30	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674370-4 WG674370-5 QC Sample: L1404879-05 Client ID: MW26_030714												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		56		30-150	A
Decachlorobiphenyl	104		93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		50		30-150	B
Decachlorobiphenyl	110		95		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674674-4 WG674674-5 QC Sample: L1404879-05 Client ID: MW26_030714													
2,4-D	ND	11.9	13.3	112		13.3	112		30-150	0		25	A
2,4,5-T	ND	11.9	10.0	84		10.1	85		30-150	1		25	A
2,4,5-TP (Silvex)	ND	11.9	9.50	80		9.68	81		30-150	2		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	72		74		30-150	A
DCAA	85		81		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-01
Client ID: MW10_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 10:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.154		mg/l	0.0100	0.00200	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Antimony, Total	0.00056	J	mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00132		mg/l	0.00050	0.00020	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Barium, Total	0.06798		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00022		mg/l	0.00020	0.00005	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Calcium, Total	298.		mg/l	4.00	0.640	20	03/10/14 10:41	03/11/14 21:35	EPA 3005A	1,6020A	BM
Chromium, Total	0.00234		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00062		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Copper, Total	0.00577		mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Iron, Total	4.82		mg/l	0.0500	0.0130	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Lead, Total	0.00690		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Magnesium, Total	67.5		mg/l	1.40	0.460	20	03/10/14 10:41	03/11/14 21:35	EPA 3005A	1,6020A	BM
Manganese, Total	6.030		mg/l	0.01000	0.00200	20	03/10/14 10:41	03/11/14 21:35	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:22	EPA 7470A	1,7470A	AK
Nickel, Total	0.00359		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Potassium, Total	27.1		mg/l	0.100	0.0270	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Selenium, Total	0.00218	J	mg/l	0.00500	0.00030	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Sodium, Total	91.7		mg/l	12.0	0.300	20	03/10/14 10:41	03/11/14 21:35	EPA 3005A	1,6020A	BM
Thallium, Total	0.00003	J	mg/l	0.00050	0.00003	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00118	J	mg/l	0.00500	0.00010	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Zinc, Total	0.03685		mg/l	0.01000	0.00120	1	03/10/14 10:41	03/11/14 21:28	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00351	J	mg/l	0.0100	0.00200	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Antimony, Dissolved	0.00131		mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Arsenic, Dissolved	0.00102		mg/l	0.00050	0.00020	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Barium, Dissolved	0.03764		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404879
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-01
Client ID: MW10_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 10:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	290.		mg/l	4.00	0.640	20	03/08/14 15:20	03/11/14 19:13	NA	1,6020A	BM
Chromium, Dissolved	0.00054	J	mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Cobalt, Dissolved	0.00051		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Copper, Dissolved	0.00149		mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Iron, Dissolved	1.23		mg/l	0.0500	0.0130	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Lead, Dissolved	0.00052	J	mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Magnesium, Dissolved	67.8		mg/l	1.40	0.460	20	03/08/14 15:20	03/11/14 19:13	NA	1,6020A	BM
Manganese, Dissolved	5.698		mg/l	0.01000	0.00200	20	03/08/14 15:20	03/11/14 19:13	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/13/14 13:02	03/13/14 16:42	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00277		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Potassium, Dissolved	25.8		mg/l	0.100	0.0270	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Selenium, Dissolved	0.00202	J	mg/l	0.00500	0.00030	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Silver, Dissolved	0.00049		mg/l	0.00040	0.00010	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Sodium, Dissolved	91.3		mg/l	12.0	0.300	20	03/08/14 15:20	03/11/14 19:13	NA	1,6020A	BM
Thallium, Dissolved	0.00005	J	mg/l	0.00050	0.00003	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Vanadium, Dissolved	0.00070	J	mg/l	0.00500	0.00010	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM
Zinc, Dissolved	0.01033		mg/l	0.01000	0.00120	1	03/08/14 15:20	03/11/14 19:07	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-02
Client ID: MW16_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 12:45
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.237		mg/l	0.0100	0.00200	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Antimony, Total	0.00087	J	mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00289		mg/l	0.00050	0.00020	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Barium, Total	0.1707		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Calcium, Total	222.		mg/l	4.00	0.640	20	03/10/14 10:41	03/11/14 21:47	EPA 3005A	1,6020A	BM
Chromium, Total	0.00249		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00313		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Copper, Total	0.00346		mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Iron, Total	8.67		mg/l	0.0500	0.0130	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Lead, Total	0.01942		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Magnesium, Total	48.9		mg/l	1.40	0.460	20	03/10/14 10:41	03/11/14 21:47	EPA 3005A	1,6020A	BM
Manganese, Total	2.264		mg/l	0.01000	0.00200	20	03/10/14 10:41	03/11/14 21:47	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:24	EPA 7470A	1,7470A	AK
Nickel, Total	0.00620		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Potassium, Total	16.2		mg/l	0.100	0.0270	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Selenium, Total	0.00164	J	mg/l	0.00500	0.00030	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Sodium, Total	83.2		mg/l	12.0	0.300	20	03/10/14 10:41	03/11/14 21:47	EPA 3005A	1,6020A	BM
Thallium, Total	0.00004	J	mg/l	0.00050	0.00003	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00151	J	mg/l	0.00500	0.00010	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Zinc, Total	0.01596		mg/l	0.01000	0.00120	1	03/10/14 10:41	03/11/14 21:41	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00276	J	mg/l	0.0100	0.00200	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Antimony, Dissolved	0.00090	J	mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Arsenic, Dissolved	0.00139		mg/l	0.00050	0.00020	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Barium, Dissolved	0.1119		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404879
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-02
Client ID: MW16_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 12:45
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	230.		mg/l	4.00	0.640	20	03/08/14 15:20	03/11/14 19:26	NA	1,6020A	BM
Chromium, Dissolved	0.00039	J	mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Cobalt, Dissolved	0.00248		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Copper, Dissolved	0.00132		mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Iron, Dissolved	1.01		mg/l	0.0500	0.0130	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Magnesium, Dissolved	50.4		mg/l	1.40	0.460	20	03/08/14 15:20	03/11/14 19:26	NA	1,6020A	BM
Manganese, Dissolved	2.094		mg/l	0.01000	0.00200	20	03/08/14 15:20	03/11/14 19:26	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/13/14 13:02	03/13/14 16:44	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00543		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Potassium, Dissolved	16.5		mg/l	0.100	0.0270	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Selenium, Dissolved	0.00139	J	mg/l	0.00500	0.00030	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Sodium, Dissolved	87.6		mg/l	12.0	0.300	20	03/08/14 15:20	03/11/14 19:26	NA	1,6020A	BM
Thallium, Dissolved	0.00003	J	mg/l	0.00050	0.00003	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Vanadium, Dissolved	0.00014	J	mg/l	0.00500	0.00010	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM
Zinc, Dissolved	0.01313		mg/l	0.01000	0.00120	1	03/08/14 15:20	03/11/14 19:20	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-03
Client ID: MW19_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 16:35
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.356		mg/l	0.0100	0.00200	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Antimony, Total	0.00037	J	mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00221		mg/l	0.00050	0.00020	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Barium, Total	0.3228		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00029		mg/l	0.00020	0.00005	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Calcium, Total	225.		mg/l	4.00	0.640	20	03/10/14 10:41	03/11/14 22:06	EPA 3005A	1,6020A	BM
Chromium, Total	0.00151		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00071		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Copper, Total	0.00327		mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Iron, Total	17.3		mg/l	0.0500	0.0130	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Lead, Total	0.04345		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Magnesium, Total	47.5		mg/l	1.40	0.460	20	03/10/14 10:41	03/11/14 22:06	EPA 3005A	1,6020A	BM
Manganese, Total	0.7378		mg/l	0.01000	0.00200	20	03/10/14 10:41	03/11/14 22:06	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:26	EPA 7470A	1,7470A	AK
Nickel, Total	0.00334		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Potassium, Total	8.89		mg/l	0.100	0.0270	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Selenium, Total	0.00121	J	mg/l	0.00500	0.00030	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Sodium, Total	93.1		mg/l	12.0	0.300	20	03/10/14 10:41	03/11/14 22:06	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00214	J	mg/l	0.00500	0.00010	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Zinc, Total	0.1850		mg/l	0.01000	0.00120	1	03/10/14 10:41	03/11/14 21:53	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00397	J	mg/l	0.0100	0.00200	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Antimony, Dissolved	0.00030	J	mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Arsenic, Dissolved	0.00075		mg/l	0.00050	0.00020	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Barium, Dissolved	0.2277		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404879
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-03
Client ID: MW19_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 16:35
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	224.		mg/l	4.00	0.640	20	03/08/14 15:20	03/11/14 19:57	NA	1,6020A	BM
Chromium, Dissolved	0.00032	J	mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Cobalt, Dissolved	0.00037	J	mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Copper, Dissolved	0.00105		mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Iron, Dissolved	3.89		mg/l	0.0500	0.0130	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Lead, Dissolved	0.00033	J	mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Magnesium, Dissolved	47.5		mg/l	1.40	0.460	20	03/08/14 15:20	03/11/14 19:57	NA	1,6020A	BM
Manganese, Dissolved	0.6866		mg/l	0.01000	0.00200	20	03/08/14 15:20	03/11/14 19:57	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/13/14 13:02	03/13/14 16:46	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00259		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Potassium, Dissolved	8.64		mg/l	0.100	0.0270	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Selenium, Dissolved	0.00091	J	mg/l	0.00500	0.00030	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Sodium, Dissolved	88.8		mg/l	12.0	0.300	20	03/08/14 15:20	03/11/14 19:57	NA	1,6020A	BM
Thallium, Dissolved	0.00004	J	mg/l	0.00050	0.00003	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Vanadium, Dissolved	0.00013	J	mg/l	0.00500	0.00010	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM
Zinc, Dissolved	0.01082		mg/l	0.01000	0.00120	1	03/08/14 15:20	03/11/14 19:51	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-04
Client ID: MW20_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 15:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.220		mg/l	0.0100	0.00200	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Antimony, Total	0.00041	J	mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00372		mg/l	0.00050	0.00020	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Barium, Total	0.1029		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Calcium, Total	197.		mg/l	4.00	0.640	20	03/10/14 10:41	03/11/14 22:24	EPA 3005A	1,6020A	BM
Chromium, Total	0.00074	J	mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00207		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Copper, Total	0.00128		mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Iron, Total	5.03		mg/l	0.0500	0.0130	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Lead, Total	0.00288		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Magnesium, Total	44.3		mg/l	1.40	0.460	20	03/10/14 10:41	03/11/14 22:24	EPA 3005A	1,6020A	BM
Manganese, Total	5.718		mg/l	0.01000	0.00200	20	03/10/14 10:41	03/11/14 22:24	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:27	EPA 7470A	1,7470A	AK
Nickel, Total	0.00370		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Potassium, Total	16.0		mg/l	0.100	0.0270	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Selenium, Total	0.00284	J	mg/l	0.00500	0.00030	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Sodium, Total	451.		mg/l	12.0	0.300	20	03/10/14 10:41	03/11/14 22:24	EPA 3005A	1,6020A	BM
Thallium, Total	0.00005	J	mg/l	0.00050	0.00003	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00033	J	mg/l	0.00500	0.00010	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Zinc, Total	0.01801		mg/l	0.01000	0.00120	1	03/10/14 10:41	03/11/14 21:59	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00255	J	mg/l	0.0100	0.00200	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Antimony, Dissolved	0.00034	J	mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Arsenic, Dissolved	0.00204		mg/l	0.00050	0.00020	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Barium, Dissolved	0.1026		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Cadmium, Dissolved	0.00005	J	mg/l	0.00020	0.00005	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404879
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-04
Client ID: MW20_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 15:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	197.		mg/l	4.00	0.640	20	03/08/14 15:20	03/11/14 20:09	NA	1,6020A	BM
Chromium, Dissolved	0.00034	J	mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Cobalt, Dissolved	0.00209		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Copper, Dissolved	0.00117		mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Iron, Dissolved	0.982		mg/l	0.0500	0.0130	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Magnesium, Dissolved	44.2		mg/l	1.40	0.460	20	03/08/14 15:20	03/11/14 20:09	NA	1,6020A	BM
Manganese, Dissolved	5.636		mg/l	0.01000	0.00200	20	03/08/14 15:20	03/11/14 20:09	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/13/14 13:02	03/13/14 16:47	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00374		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Potassium, Dissolved	16.6		mg/l	0.100	0.0270	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Selenium, Dissolved	0.00303	J	mg/l	0.00500	0.00030	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Sodium, Dissolved	450.		mg/l	12.0	0.300	20	03/08/14 15:20	03/11/14 20:09	NA	1,6020A	BM
Thallium, Dissolved	0.00005	J	mg/l	0.00050	0.00003	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM
Zinc, Dissolved	0.01860		mg/l	0.01000	0.00120	1	03/08/14 15:20	03/11/14 20:03	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-05
Client ID: MW26_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 14:15
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0255		mg/l	0.0100	0.00200	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Antimony, Total	0.00029	J	mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00072		mg/l	0.00050	0.00020	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Barium, Total	0.08706		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Calcium, Total	78.0		mg/l	4.00	0.640	20	03/10/14 10:41	03/11/14 22:37	EPA 3005A	1,6020A	BM
Chromium, Total	0.00178		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00039	J	mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Copper, Total	0.00113		mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Iron, Total	0.388		mg/l	0.0500	0.0130	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Lead, Total	0.00098	J	mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Magnesium, Total	8.21		mg/l	0.0700	0.0230	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Manganese, Total	0.08778		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:07	EPA 7470A	1,7470A	AK
Nickel, Total	0.00184		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Potassium, Total	3.67		mg/l	0.100	0.0270	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Selenium, Total	0.00452	J	mg/l	0.00500	0.00030	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Sodium, Total	122.		mg/l	12.0	0.300	20	03/10/14 10:41	03/11/14 22:37	EPA 3005A	1,6020A	BM
Thallium, Total	0.00006	J	mg/l	0.00050	0.00003	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00070	J	mg/l	0.00500	0.00010	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Zinc, Total	0.00607	J	mg/l	0.01000	0.00120	1	03/10/14 10:41	03/11/14 22:30	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00506	J	mg/l	0.0100	0.00200	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Antimony, Dissolved	0.00019	J	mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Arsenic, Dissolved	0.00049	J	mg/l	0.00050	0.00020	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Barium, Dissolved	0.07727		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404879
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-05
Client ID: MW26_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 14:15
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	73.8		mg/l	4.00	0.640	20	03/08/14 15:20	03/11/14 20:22	NA	1,6020A	BM
Chromium, Dissolved	0.00069	J	mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Cobalt, Dissolved	0.00028	J	mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Copper, Dissolved	0.00096	J	mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Iron, Dissolved	0.303		mg/l	0.0500	0.0130	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Lead, Dissolved	0.00025	J	mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Magnesium, Dissolved	7.61		mg/l	0.0700	0.0230	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Manganese, Dissolved	0.07673		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/13/14 13:02	03/13/14 16:33	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00134		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Potassium, Dissolved	3.26		mg/l	0.100	0.0270	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Selenium, Dissolved	0.00470	J	mg/l	0.00500	0.00030	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Sodium, Dissolved	114.		mg/l	12.0	0.300	20	03/08/14 15:20	03/11/14 20:22	NA	1,6020A	BM
Thallium, Dissolved	0.00003	J	mg/l	0.00050	0.00003	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Vanadium, Dissolved	0.00058	J	mg/l	0.00500	0.00010	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM
Zinc, Dissolved	0.00595	J	mg/l	0.01000	0.00120	1	03/08/14 15:20	03/11/14 20:15	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-06
Client ID: GWFB_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 16:50
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Antimony, Total	0.00091	J	mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Barium, Total	0.00055		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Calcium, Total	0.0531	J	mg/l	0.200	0.0320	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Chromium, Total	0.00032	J	mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Copper, Total	0.00037	J	mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Manganese, Total	0.00042	J	mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:29	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Sodium, Total	0.244	J	mg/l	0.600	0.0150	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Zinc, Total	0.00246	J	mg/l	0.01000	0.00120	1	03/10/14 10:41	03/11/14 21:22	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00202	J	mg/l	0.0100	0.00200	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Antimony, Dissolved	0.00017	J	mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Barium, Dissolved	0.00033	J	mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404879
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-06
Client ID: GWFB_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 16:50
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	0.129	J	mg/l	0.200	0.0320	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Chromium, Dissolved	0.00028	J	mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Copper, Dissolved	0.00024	J	mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Magnesium, Dissolved	0.0423	J	mg/l	0.0700	0.0230	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Manganese, Dissolved	0.00016	J	mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/13/14 13:02	03/13/14 16:49	EPA 7470A	1,7470A	AK
Nickel, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Sodium, Dissolved	0.339	J	mg/l	0.600	0.0150	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM
Zinc, Dissolved	0.00819	J	mg/l	0.01000	0.00120	1	03/08/14 15:20	03/11/14 18:42	NA	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG674350-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/14 07:47	03/08/14 12:04	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG674498-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Antimony, Total	0.00024	J	mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Calcium, Total	ND		mg/l	0.200	0.0320	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Chromium, Total	ND		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Copper, Total	0.00017	J	mg/l	0.00100	0.00010	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Manganese, Total	0.00015	J	mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Sodium, Total	0.0670	J	mg/l	0.600	0.0150	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Thallium, Total	0.00003	J	mg/l	0.00050	0.00003	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM
Zinc, Total	0.00216	J	mg/l	0.01000	0.00120	1	03/10/14 10:41	03/11/14 21:10	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-06 Batch: WG674530-1										
Aluminum, Dissolved	0.00347	J	mg/l	0.0100	0.00200	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Antimony, Dissolved	0.00016	J	mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Barium, Dissolved	0.00039	J	mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Calcium, Dissolved	0.114	J	mg/l	0.200	0.0320	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Chromium, Dissolved	ND		mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Copper, Dissolved	0.00047	J	mg/l	0.00100	0.00010	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Magnesium, Dissolved	0.0310	J	mg/l	0.0700	0.0230	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Manganese, Dissolved	0.00022	J	mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Nickel, Dissolved	0.00012	J	mg/l	0.00050	0.00010	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Potassium, Dissolved	0.0335	J	mg/l	0.100	0.0270	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Sodium, Dissolved	0.592	J	mg/l	0.600	0.0150	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Thallium, Dissolved	0.00003	J	mg/l	0.00050	0.00003	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM
Zinc, Dissolved	0.00536	J	mg/l	0.01000	0.00120	1	03/08/14 15:20	03/11/14 18:36	1,6020A	BM

Prep Information

Digestion Method: NA

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-06 Batch: WG674731-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/13/14 13:02	03/13/14 16:29	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG674350-2								
Mercury, Total	91		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG674498-2					
Aluminum, Total	105	-	80-120	-	
Antimony, Total	86	-	80-120	-	
Arsenic, Total	91	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	91	-	80-120	-	
Cadmium, Total	90	-	80-120	-	
Calcium, Total	96	-	80-120	-	
Chromium, Total	92	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	95	-	80-120	-	
Iron, Total	94	-	80-120	-	
Lead, Total	97	-	80-120	-	
Magnesium, Total	101	-	80-120	-	
Manganese, Total	90	-	80-120	-	
Nickel, Total	95	-	80-120	-	
Potassium, Total	96	-	80-120	-	
Selenium, Total	97	-	80-120	-	
Silver, Total	92	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	94	-	80-120	-	
Vanadium, Total	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG674498-2					
Zinc, Total	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG674530-2					
Aluminum, Dissolved	104	-	80-120	-	
Antimony, Dissolved	82	-	80-120	-	
Arsenic, Dissolved	91	-	80-120	-	
Barium, Dissolved	97	-	80-120	-	
Beryllium, Dissolved	92	-	80-120	-	
Cadmium, Dissolved	90	-	80-120	-	
Calcium, Dissolved	94	-	80-120	-	
Chromium, Dissolved	91	-	80-120	-	
Cobalt, Dissolved	98	-	80-120	-	
Copper, Dissolved	94	-	80-120	-	
Iron, Dissolved	94	-	80-120	-	
Lead, Dissolved	97	-	80-120	-	
Magnesium, Dissolved	99	-	80-120	-	
Manganese, Dissolved	89	-	80-120	-	
Nickel, Dissolved	94	-	80-120	-	
Potassium, Dissolved	94	-	80-120	-	
Selenium, Dissolved	92	-	80-120	-	
Silver, Dissolved	90	-	80-120	-	
Sodium, Dissolved	104	-	80-120	-	
Thallium, Dissolved	93	-	80-120	-	
Vanadium, Dissolved	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG674530-2					
Zinc, Dissolved	97	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG674731-2					
Mercury, Dissolved	93	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674350-3 WG674350-4 QC Sample: L1404879-05 Client ID: MW26_030714												
Mercury, Total	ND	0.005	0.00517	104		0.00520	104		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674498-3 WG674498-4 QC Sample: L1404879-05 Client ID: MW26_030714

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Aluminum, Total	0.0255	2	2.22	110		2.23	110		75-125	0	20
Antimony, Total	0.00029J	0.5	0.4538	91		0.4700	94		75-125	4	20
Arsenic, Total	0.00072	0.12	0.1166	96		0.1180	98		75-125	1	20
Barium, Total	0.08706	2	2.070	99		2.092	100		75-125	1	20
Beryllium, Total	ND	0.05	0.04484	90		0.05040	101		75-125	12	20
Cadmium, Total	ND	0.051	0.04744	93		0.04918	96		75-125	4	20
Calcium, Total	78.0	10	86.5	85		85.3	**73**	Q	75-125	1	20
Chromium, Total	0.00178	0.2	0.1894	94		0.1958	97		75-125	3	20
Cobalt, Total	0.00039J	0.5	0.5020	100		0.5170	103		75-125	3	20
Copper, Total	0.00113	0.25	0.2466	98		0.2498	99		75-125	1	20
Iron, Total	0.388	1	1.34	95		1.36	97		75-125	1	20
Lead, Total	0.00098J	0.51	0.5350	105		0.5306	104		75-125	1	20
Magnesium, Total	8.21	10	18.6	104		18.6	104		75-125	0	20
Manganese, Total	0.08778	0.5	0.5448	91		0.5590	94		75-125	3	20
Nickel, Total	0.00184	0.5	0.4798	96		0.4940	98		75-125	3	20
Potassium, Total	3.67	10	13.3	96		13.6	99		75-125	2	20
Selenium, Total	0.00452J	0.12	0.114	95		0.117	98		75-125	3	20
Silver, Total	ND	0.05	0.04630	93		0.04712	94		75-125	2	20
Sodium, Total	122.	10	129	**70**	Q	126	**40**	Q	75-125	2	20
Thallium, Total	0.00006J	0.12	0.1223	102		0.1204	100		75-125	2	20
Vanadium, Total	0.00070J	0.5	0.5128	102		0.5234	105		75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674498-3 WG674498-4 QC Sample: L1404879-05 Client ID: MW26_030714									
Zinc, Total	0.00607J	0.5	0.5002	100	0.5098	102	75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674530-3 WG674530-4 QC Sample: L1404879-05 Client ID: MW26_030714									
Aluminum, Dissolved	0.00506J	2	2.18	109	2.23	112	75-125	2	20
Antimony, Dissolved	0.00019J	0.5	0.4272	85	0.4444	89	75-125	4	20
Arsenic, Dissolved	0.00049J	0.12	0.1141	95	0.1132	94	75-125	1	20
Barium, Dissolved	0.07727	2	2.076	100	2.118	102	75-125	2	20
Beryllium, Dissolved	ND	0.05	0.04766	95	0.04694	94	75-125	2	20
Cadmium, Dissolved	ND	0.051	0.04848	95	0.04840	95	75-125	0	20
Calcium, Dissolved	73.8	10	84.8	110	82.1	83	75-125	3	20
Chromium, Dissolved	0.00069J	0.2	0.1937	97	0.1958	98	75-125	1	20
Cobalt, Dissolved	0.00028J	0.5	0.5082	102	0.5158	103	75-125	1	20
Copper, Dissolved	0.00096J	0.25	0.2466	99	0.2470	99	75-125	0	20
Iron, Dissolved	0.303	1	1.37	107	1.36	106	75-125	1	20
Lead, Dissolved	0.00025J	0.51	0.5110	100	0.5276	103	75-125	3	20
Magnesium, Dissolved	7.61	10	18.3	107	18.2	106	75-125	1	20
Manganese, Dissolved	0.07673	0.5	0.5448	94	0.5474	94	75-125	0	20
Nickel, Dissolved	0.00134	0.5	0.4892	98	0.4964	99	75-125	1	20
Potassium, Dissolved	3.26	10	13.2	99	13.5	102	75-125	2	20
Selenium, Dissolved	0.00470J	0.12	0.118	98	0.118	98	75-125	0	20
Silver, Dissolved	ND	0.05	0.04672	93	0.04742	95	75-125	1	20
Sodium, Dissolved	114.	10	125	110	123	90	75-125	2	20
Thallium, Dissolved	0.00003J	0.12	0.1155	96	0.1201	100	75-125	4	20
Vanadium, Dissolved	0.00058J	0.5	0.5230	105	0.5248	105	75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674530-3 WG674530-4 QC Sample: L1404879-05 Client ID: MW26_030714									
Zinc, Dissolved	0.00595J	0.5	0.5072	101	0.5148	103	75-125	1	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674731-3 WG674731-4 QC Sample: L1404879-05 Client ID: MW26_030714									
Mercury, Dissolved	ND	0.005	0.00533	107	0.00528	106	75-125	1	20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-01
Client ID: MW10_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 10:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 13:03	107,-	JO
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	03/10/14 10:00	03/10/14 14:27	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/08/14 01:20	03/08/14 01:46	1,7196A	JO

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-02
Client ID: MW16_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 12:45
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 13:03	107,-	JO
Cyanide, Total	0.026		mg/l	0.005	0.001	1	03/10/14 10:00	03/10/14 14:28	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/08/14 01:20	03/08/14 01:46	1,7196A	JO

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-03
Client ID: MW19_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 16:35
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 13:03	107,-	JO
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	03/10/14 10:00	03/10/14 14:29	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/08/14 01:20	03/08/14 01:47	1,7196A	JO

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-04
Client ID: MW20_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 15:30
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 13:03	107,-	JO
Cyanide, Total	0.019		mg/l	0.005	0.001	1	03/10/14 10:00	03/10/14 14:31	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/08/14 01:20	03/08/14 01:48	1,7196A	JO

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-05
Client ID: MW26_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 14:15
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 13:03	107,-	JO
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	03/10/14 10:00	03/10/14 14:32	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/08/14 01:20	03/08/14 01:48	1,7196A	JO

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404879-06
Client ID: GWFB_030714
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/07/14 16:50
Date Received: 03/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 13:03	107,-	JO
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	03/10/14 10:00	03/10/14 14:34	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/08/14 01:20	03/08/14 01:49	1,7196A	JO

Project Name: GREENPOINT LANDING **Lab Number:** L1404879

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG674327-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/08/14 01:20	03/08/14 01:45	1,7196A	JO
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG674468-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/10/14 10:00	03/10/14 14:22	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG674327-2								
Chromium, Hexavalent	99		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG674468-2 WG674468-3								
Cyanide, Total	86		96		80-120	11		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674327-4 WG674327-5 QC Sample: L1404879-05 Client ID: MW26_030714												
Chromium, Hexavalent	ND	0.1	0.094	94		0.102	102		85-115	8		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674468-4 WG674468-5 QC Sample: L1404890-02 Client ID: MS Sample												
Cyanide, Total	0.001J	0.2	0.205	102		0.206	103		80-120	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG674327-3 QC Sample: L1404879-05 Client ID: MW26_030714						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
D	Absent
B	Absent
C	Absent
E	Absent
H	Absent
F	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404879-01A	Vial HCl preserved	E	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1404879-01B	Vial HCl preserved	E	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1404879-01C	Vial HCl preserved	E	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1404879-01D	Amber 1000ml unpreserved	E	7	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-01E	Amber 1000ml unpreserved	E	7	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-01F	Amber 1000ml unpreserved	E	7	2.6	Y	Absent	HERB-APA(7)
L1404879-01G	Amber 1000ml unpreserved	E	7	2.6	Y	Absent	HERB-APA(7)
L1404879-01H	Amber 1000ml unpreserved	E	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-01I	Amber 1000ml unpreserved	E	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-01J	Amber 500ml unpreserved	E	7	2.6	Y	Absent	NYTCL-8081(7)
L1404879-01K	Amber 500ml unpreserved	E	7	2.6	Y	Absent	NYTCL-8081(7)
L1404879-01L	Plastic 500ml unpreserved	E	7	2.6	Y	Absent	HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404879-01M	Plastic 500ml HNO3 preserved	E	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404879-01N	Plastic 250ml NaOH preserved	E	>12	2.6	Y	Absent	TCN-9010(14)
L1404879-01O	Plastic 500ml unpreserved	E	7	2.6	Y	Absent	FILTER-MET(1)
L1404879-01X	Plastic 500ml HNO3 preserved	E	<2	2.6	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404879-02A	Vial HCl preserved	F	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1404879-02B	Vial HCl preserved	F	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1404879-02C	Vial HCl preserved	F	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1404879-02D	Amber 1000ml unpreserved	F	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-02E	Amber 1000ml unpreserved	F	7	3.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-02F	Amber 1000ml unpreserved	F	7	3.0	Y	Absent	HERB-APA(7)
L1404879-02G	Amber 1000ml unpreserved	F	7	3.0	Y	Absent	HERB-APA(7)
L1404879-02H	Amber 1000ml unpreserved	F	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-02I	Amber 1000ml unpreserved	F	7	3.0	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-02J	Amber 500ml unpreserved	F	7	3.0	Y	Absent	NYTCL-8081(7)
L1404879-02K	Amber 500ml unpreserved	F	7	3.0	Y	Absent	NYTCL-8081(7)
L1404879-02L	Plastic 500ml unpreserved	H	7	2.5	Y	Absent	HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404879-02M	Plastic 500ml HNO3 preserved	H	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404879-02N	Plastic 250ml NaOH preserved	H	>12	2.5	Y	Absent	TCN-9010(14)
L1404879-02O	Plastic 500ml unpreserved	H	7	2.5	Y	Absent	FILTER-MET(1)
L1404879-02X	Plastic 500ml HNO3 preserved	H	<2	2.5	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404879-03A	Vial HCl preserved	B	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1404879-03B	Vial HCl preserved	B	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1404879-03C	Vial HCl preserved	B	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1404879-03D	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-03E	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-03F	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	HERB-APA(7)
L1404879-03G	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	HERB-APA(7)
L1404879-03H	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-03I	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-03J	Amber 500ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8081(7)
L1404879-03K	Amber 500ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8081(7)
L1404879-03L	Plastic 500ml unpreserved	B	7	2.1	Y	Absent	HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404879-03M	Plastic 500ml HNO3 preserved	B	<2	2.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404879-03N	Plastic 250ml NaOH preserved	B	>12	2.1	Y	Absent	TCN-9010(14)
L1404879-03O	Plastic 500ml unpreserved	B	7	2.1	Y	Absent	FILTER-MET(1)
L1404879-03X	Plastic 500ml HNO3 preserved	B	<2	2.1	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404879-04A	Vial HCl preserved	H	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404879-04B	Vial HCl preserved	H	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404879-04C	Vial HCl preserved	H	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1404879-04D	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-04E	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-04F	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	HERB-APA(7)
L1404879-04G	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	HERB-APA(7)
L1404879-04H	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-04I	Amber 1000ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-04J	Amber 500ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8081(7)
L1404879-04K	Amber 500ml unpreserved	C	7	3.3	Y	Absent	NYTCL-8081(7)
L1404879-04L	Plastic 500ml unpreserved	H	7	2.5	Y	Absent	HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404879-04M	Plastic 500ml HNO3 preserved	H	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404879-04N	Plastic 250ml NaOH preserved	H	>12	2.5	Y	Absent	TCN-9010(14)
L1404879-04O	Plastic 500ml unpreserved	H	7	2.5	Y	Absent	FILTER-MET(1)
L1404879-04X	Plastic 500ml HNO3 preserved	H	<2	2.5	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404879-05A	Vial HCl preserved	G	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404879-05A1	Vial HCl preserved	G	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404879-05A2	Vial HCl preserved	G	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404879-05B	Vial HCl preserved	G	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404879-05B1	Vial HCl preserved	G	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404879-05B2	Vial HCl preserved	G	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404879-05C	Vial HCl preserved	G	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404879-05C1	Vial HCl preserved	G	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404879-05C2	Vial HCl preserved	G	N/A	3.6	Y	Absent	NYTCL-8260(14)
L1404879-05D	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-05D1	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-05D2	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-05E	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-05E1	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-05E2	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-05F	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404879-05F1	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	HERB-APA(7)
L1404879-05F2	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	HERB-APA(7)
L1404879-05G	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	HERB-APA(7)
L1404879-05G1	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	HERB-APA(7)
L1404879-05G2	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	HERB-APA(7)
L1404879-05H	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-05H1	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-05H2	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-05I	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-05I1	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-05I2	Amber 1000ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-05J	Amber 500ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8081(7)
L1404879-05J1	Amber 500ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8081(7)
L1404879-05J2	Amber 500ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8081(7)
L1404879-05K	Amber 500ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8081(7)
L1404879-05K1	Amber 500ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8081(7)
L1404879-05K2	Amber 500ml unpreserved	G	7	3.6	Y	Absent	NYTCL-8081(7)
L1404879-05L	Plastic 500ml unpreserved	D	7	2.8	Y	Absent	HEXCR-7196(1)
L1404879-05L1	Plastic 500ml unpreserved	F	7	3.0	Y	Absent	HEXCR-7196(1)
L1404879-05L2	Plastic 500ml unpreserved	F	7	3.0	Y	Absent	HEXCR-7196(1)
L1404879-05M	Plastic 500ml HNO3 preserved	D	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404879-05M1	Plastic 500ml HNO3 preserved	F	<2	3.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404879-05M2	Plastic 500ml HNO3 preserved	F	<2	3.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404879-05N	Plastic 250ml NaOH preserved	D	>12	2.8	Y	Absent	TCN-9010(14)
L1404879-05N1	Plastic 250ml NaOH preserved	F	>12	3.0	Y	Absent	TCN-9010(14)
L1404879-05N2	Plastic 250ml NaOH preserved	F	>12	3.0	Y	Absent	TCN-9010(14)
L1404879-05O	Plastic 500ml unpreserved	D	7	2.8	Y	Absent	FILTER-MET(1)
L1404879-05O1	Plastic 500ml unpreserved	F	7	3.0	Y	Absent	FILTER-MET(1)
L1404879-05O2	Plastic 500ml unpreserved	F	7	3.0	Y	Absent	FILTER-MET(1)
L1404879-05X	Plastic 500ml HNO3 preserved	D	<2	2.8	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404879-05X1	Plastic 500ml HNO3 preserved	F	<2	3.0	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404879-05X2	Plastic 500ml HNO3 preserved	F	<2	3.0	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404879
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404879-06A	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1404879-06B	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1404879-06C	Vial HCl preserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1404879-06D	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-06E	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404879-06F	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	HERB-APA(7)
L1404879-06G	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	HERB-APA(7)
L1404879-06H	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-06I	Amber 1000ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1404879-06J	Amber 500ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8081(7)
L1404879-06K	Amber 500ml unpreserved	A	7	3.4	Y	Absent	NYTCL-8081(7)
L1404879-06L	Plastic 500ml unpreserved	A	7	3.4	Y	Absent	HEXCR-7196(1)
L1404879-06M	Plastic 500ml HNO3 preserved	A	<2	3.4	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1404879-06N	Plastic 250ml NaOH preserved	A	>12	3.4	Y	Absent	TCN-9010(14)
L1404879-06O	Plastic 500ml unpreserved	A	7	3.4	Y	Absent	FILTER-MET(1)
L1404879-06X	Plastic 500ml HNO3 preserved	A	<2	3.4	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404879-07A	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404879-07B	Vial HCl preserved	D	N/A	2.8	Y	Absent	NYTCL-8260(14)

Container Comments

L1404879-05M1

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404879
Project Number:	170229002	**Report Date:**	03/17/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404879
Project Number:	170229002	**Report Date:**	03/17/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404879
Project Number:	170229002	**Report Date:**	03/17/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (ME□□), Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIB□□), Carbon disul□ide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, T□N, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil □ Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na□**EPA 245.1:** Mercury□
EPA 300.0: Nitrate-N, Fluoride, Sul□ate□**EPA 353.2**: Nitrate-N, Nitrite-N□**SM4500NO3-F**: Nitrate-N, Nitrite-N□**SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons □ Aromatics,
EPA 608: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs
EPA 625: SVOC (Acid/Base/Neutral E□tractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing o□analytes and methods, please contact your Alpha Pro□ect Manager.

-revised 3/17/14 ks

Serial_No:03171412:29

CHAIN OF CUSTODY

PAGE 1 OF

Date Rec'd in Lab: 3/7/14

ALPHA Job #: L1404879

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANBAN D.P.C.

Address:

Phone:

Fax:

Email: gwykae@lanban.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: F70229002

Project Manager: MIMI MAYBORODETSKY

ALPHA Quote #: 20141148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 3/14/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC

Criteria: TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDDS

2) PROVIDE ASP CAT. B DELIVERABLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	PESTS	PHENOLS	TAL METALS	TOC&DIS	Hex. Chrom.	Tri. Chrom.	CYANIDE			Sample Specific Comments	TOTAL # BOTTLES
04579.1	MW1D_030714	3/7/14	10:30	GW		X	X	X	X	X	X	X	X	X					
.2	MW16_030714		12:45			X	X	X	X	X	X	X	X	X					
.3	MW19_030714		16:35			X	X	X	X	X	X	X	X	X					
.4	MW20_030714		15:30			X	X	X	X	X	X	X	X	X					
.5	MW26_030714		14:15			X	X	X	X	X	X	X	X	X					
.5	MW26_030714_MS		14:15			X	X	X	X	X	X	X	X	X					
.5	MW26_030714_MSD		14:15			X	X	X	X	X	X	X	X	X					
.6	GWFB_030714		16:50	Aq.		X	X	X	X	X	X	X	X	X					
.7	GWTB_030714			Aq.		X													

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/7/14 17:10	[signature]	3/7/14 1710
[signature]	3/7/14 18:45	Alpha Malvey	3/7/14 18:45
Alpha Malvey	3/7/14 2300	Richard Scott	3/7/14 2313

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/7/14

ALPHA Job #: L1404879

Client Information

Client: LANBAW D.P.C.
Address:
Phone:
Fax:
Email: gwykae@aol.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: F70229002
Project Manager: MIMI MAYBORODETSKY
ALPHA Quote #: 20141148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 3/14/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC
Criteria: TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE EDDS
2) PROVIDE ASP CAT. B DELIVERABLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	PESTS	PHENOLS	METALS	HEX. CHROM.	TRI. CHROM.	CYANIDE				Sample Specific Comments	TOTAL # BOTTLES
04879.1	MW1D_030714	3/7/14	10:30	GW		X	X	X	X	X	X	X	X	X					
.2	MW16_030714		12:45			X	X	X	X	X	X	X	X	X					
.3	MW19_030714		16:35			X	X	X	X	X	X	X	X	X					
.4	MW20_030714		15:30			X	X	X	X	X	X	X	X	X					
.5	MW26_030714		14:15			X	X	X	X	X	X	X	X	X					
.5	MW26_030714_MS		14:15			X	X	X	X	X	X	X	X	X					
.5	MW26_030714_MSD		14:15			X	X	X	X	X	X	X	X	X					
.6	GWFB_030714		16:50	Aq.		X	X	X	X	X	X	X	X	X					
.7	GWTB_030714			Aq.		X													

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/7/14 17:10	[signature]	3/7/14 1710
[signature]	3/7/14 18:45	Alpha Malvey	3/7/14 18:45
Alpha Malvey	3/7/14 2300	Richard Scott	3/7/14 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1404960
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	03/17/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1404960-01	MW-14_031014	BROOKLYN, NY	03/10/14 14:40
L1404960-02	MW-18_031014	BROOKLYN, NY	03/10/14 12:30
L1404960-03	MW-23_031014	BROOKLYN, NY	03/10/14 11:10
L1404960-04	MW-28_031014	BROOKLYN, NY	03/10/14 16:05
L1404960-05	GWTB04_031014	BROOKLYN, NY	03/10/14 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1404960
Project Number: 170229002 **Report Date:** 03/17/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1404960
Project Number: 170229002 **Report Date:** 03/17/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L1404960-02, -03, and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

Dissolved Metals

L1404960-02, -03, and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG675350-4 MS recoveries for calcium (38%), manganese (60%), and sodium (62%), performed on L1404960-01, do not apply because the sample concentration is greater than four times the spike amount added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 03/17/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-01	Date Collected:	03/10/14 14:40
Client ID:	MW-14_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 04:28		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-01 Date Collected: 03/10/14 14:40

Client ID: MW-14_031014 Date Received: 03/10/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	2.8		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-01	Date Collected:	03/10/14 14:40
Client ID:	MW-14_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	25		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-02	Date Collected:	03/10/14 12:30
Client ID:	MW-18_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 17:12		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.52		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	4.4		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.42	J	ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-02 Date Collected: 03/10/14 12:30

Client ID: MW-18_031014 Date Received: 03/10/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	0.97	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	19		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.5	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.75	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-02	Date Collected:	03/10/14 12:30
Client ID:	MW-18_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-03	Date Collected:	03/10/14 11:10
Client ID:	MW-23_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 05:41		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-03 Date Collected: 03/10/14 11:10

Client ID: MW-23_031014 Date Received: 03/10/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-03	Date Collected:	03/10/14 11:10
Client ID:	MW-23_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-04	Date Collected:	03/10/14 16:05
Client ID:	MW-28_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 06:18		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-04 Date Collected: 03/10/14 16:05

Client ID: MW-28_031014 Date Received: 03/10/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	0.93	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-04	Date Collected:	03/10/14 16:05
Client ID:	MW-28_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-05	Date Collected:	03/10/14 00:00
Client ID:	GWTB04_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 06:54		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-05 Date Collected: 03/10/14 00:00

Client ID: GWTB04_031014 Date Received: 03/10/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-05	Date Collected:	03/10/14 00:00
Client ID:	GWTB04_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/13/14 00:12
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-05 Batch: WG675326-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/13/14 00:12
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-05 Batch: WG675326-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/13/14 00:12
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-05 Batch: WG675326-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/13/14 10:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG675599-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/13/14 10:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG675599-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/13/14 10:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG675599-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05 Batch: WG675326-1 WG675326-2								
Methylene chloride	103		92		70-130	11		20
1,1-Dichloroethane	94		90		70-130	4		20
Chloroform	103		94		70-130	9		20
2-Chloroethylvinyl ether	71		72		70-130	1		20
Carbon tetrachloride	102		92		63-132	10		20
1,2-Dichloropropane	88		85		70-130	3		20
Dibromochloromethane	104		98		63-130	6		20
1,1,2-Trichloroethane	96		91		70-130	5		20
Tetrachloroethene	112		103		70-130	8		20
Chlorobenzene	104		95		75-130	9		20
Trichlorofluoromethane	105		100		62-150	5		20
1,2-Dichloroethane	102		96		70-130	6		20
1,1,1-Trichloroethane	100		93		67-130	7		20
Bromodichloromethane	101		95		67-130	6		20
trans-1,3-Dichloropropene	85		78		70-130	9		20
cis-1,3-Dichloropropene	88		82		70-130	7		20
1,1-Dichloropropene	99		92		70-130	7		20
Bromoform	92		89		54-136	3		20
1,1,2,2-Tetrachloroethane	94		90		67-130	4		20
Benzene	97		92		70-130	5		20
Toluene	100		93		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05 Batch: WG675326-1 WG675326-2								
Ethylbenzene	101		94		70-130	7		20
Chloromethane	**59**	Q	**61**	Q	64-130	3		20
Bromomethane	62		65		39-139	5		20
Vinyl chloride	79		75		55-140	5		20
Chloroethane	104		89		55-138	16		20
1,1-Dichloroethene	104		99		61-145	5		20
trans-1,2-Dichloroethene	105		94		70-130	11		20
Trichloroethene	103		95		70-130	8		20
1,2-Dichlorobenzene	104		97		70-130	7		20
1,3-Dichlorobenzene	103		97		70-130	6		20
1,4-Dichlorobenzene	104		98		70-130	6		20
Methyl tert butyl ether	88		80		63-130	10		20
p/m-Xylene	100		94		70-130	6		20
o-Xylene	101		96		70-130	5		20
cis-1,2-Dichloroethene	102		94		70-130	8		20
Dibromomethane	102		98		70-130	4		20
1,2,3-Trichloropropane	92		90		64-130	2		20
Acrylonitrile	95		88		70-130	8		20
Isopropyl Ether	84		83		70-130	1		20
tert-Butyl Alcohol	**68**	Q	**64**	Q	70-130	6		20
Styrene	101		94		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05 Batch: WG675326-1 WG675326-2								
Dichlorodifluoromethane	72		66		36-147	9		20
Acetone	86		88		58-148	2		20
Carbon disulfide	92		83		51-130	10		20
2-Butanone	64		64		63-138	0		20
Vinyl acetate	80		73		70-130	9		20
4-Methyl-2-pentanone	86		92		59-130	7		20
2-Hexanone	80		76		57-130	5		20
Bromochloromethane	107		102		70-130	5		20
2,2-Dichloropropane	82		74		63-133	10		20
1,2-Dibromoethane	101		96		70-130	5		20
1,3-Dichloropropane	95		89		70-130	7		20
1,1,1,2-Tetrachloroethane	99		91		64-130	8		20
Bromobenzene	103		99		70-130	4		20
n-Butylbenzene	104		92		53-136	12		20
sec-Butylbenzene	103		95		70-130	8		20
tert-Butylbenzene	103		97		70-130	6		20
o-Chlorotoluene	96		92		70-130	4		20
p-Chlorotoluene	98		92		70-130	6		20
1,2-Dibromo-3-chloropropane	86		83		41-144	4		20
Hexachlorobutadiene	111		99		63-130	11		20
Isopropylbenzene	104		97		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05 Batch: WG675326-1 WG675326-2								
p-Isopropyltoluene	105		97		70-130	8		20
Naphthalene	99		92		70-130	7		20
n-Propylbenzene	98		92		69-130	6		20
1,2,3-Trichlorobenzene	107		101		70-130	6		20
1,2,4-Trichlorobenzene	105		97		70-130	8		20
1,3,5-Trimethylbenzene	101		95		64-130	6		20
1,2,4-Trimethylbenzene	99		94		70-130	5		20
Methyl Acetate	80		79		70-130	1		20
Ethyl Acetate	95		88		70-130	8		20
Cyclohexane	93		88		70-130	6		20
Ethyl-Tert-Butyl-Ether	81		77		70-130	5		20
Tertiary-Amyl Methyl Ether	78		74		66-130	5		20
1,4-Dioxane	98		89		56-162	10		20
Freon-113	114		102		70-130	11		20
p-Diethylbenzene	101		90		70-130	12		20
p-Ethyltoluene	100		95		70-130	5		20
1,2,4,5-Tetramethylbenzene	104		96		70-130	8		20
Ethyl ether	101		95		59-134	6		20
trans-1,4-Dichloro-2-butene	79		75		70-130	5		20
Iodomethane	**49**	Q	**53**	Q	70-130	8		20
Methyl cyclohexane	100		91		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05 Batch: WG675326-1 WG675326-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	97		94		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	103		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG675599-1 WG675599-2								
Methylene chloride	103		102		70-130	1		20
1,1-Dichloroethane	102		101		70-130	1		20
Chloroform	102		101		70-130	1		20
2-Chloroethylvinyl ether	104		105		70-130	1		20
Carbon tetrachloride	104		102		63-132	2		20
1,2-Dichloropropane	103		102		70-130	1		20
Dibromochloromethane	90		92		63-130	2		20
1,1,2-Trichloroethane	91		92		70-130	1		20
Tetrachloroethene	88		86		70-130	2		20
Chlorobenzene	89		89		75-130	0		20
Trichlorofluoromethane	100		97		62-150	3		20
1,2-Dichloroethane	102		103		70-130	1		20
1,1,1-Trichloroethane	103		100		67-130	3		20
Bromodichloromethane	103		102		67-130	1		20
trans-1,3-Dichloropropene	92		95		70-130	3		20
cis-1,3-Dichloropropene	107		106		70-130	1		20
1,1-Dichloropropene	101		99		70-130	2		20
Bromoform	84		86		54-136	2		20
1,1,2,2-Tetrachloroethane	89		89		67-130	0		20
Benzene	102		100		70-130	2		20
Toluene	88		87		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG675599-1 WG675599-2								
Ethylbenzene	89		88		70-130	1		20
Chloromethane	101		97		64-130	4		20
Bromomethane	**144**	Q	123		39-139	16		20
Vinyl chloride	102		96		55-140	6		20
Chloroethane	106		101		55-138	5		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	101		99		70-130	2		20
1,2-Dichlorobenzene	86		86		70-130	0		20
1,3-Dichlorobenzene	86		85		70-130	1		20
1,4-Dichlorobenzene	85		85		70-130	0		20
Methyl tert butyl ether	104		105		63-130	1		20
p/m-Xylene	90		89		70-130	1		20
o-Xylene	91		90		70-130	1		20
cis-1,2-Dichloroethene	101		101		70-130	0		20
Dibromomethane	103		105		70-130	2		20
1,2,3-Trichloropropane	91		87		64-130	4		20
Acrylonitrile	98		100		70-130	2		20
Isopropyl Ether	104		104		70-130	0		20
tert-Butyl Alcohol	100		98		70-130	2		20
Styrene	92		91		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG675599-1 WG675599-2								
Dichlorodifluoromethane	97		93		36-147	4		20
Acetone	112		112		58-148	0		20
Carbon disulfide	100		97		51-130	3		20
2-Butanone	96		93		63-138	3		20
Vinyl acetate	107		108		70-130	1		20
4-Methyl-2-pentanone	94		98		59-130	4		20
2-Hexanone	84		82		57-130	2		20
Acrolein	101		100		40-160	1		20
Bromochloromethane	102		103		70-130	1		20
2,2-Dichloropropane	110		106		63-133	4		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	89		90		70-130	1		20
1,1,1,2-Tetrachloroethane	91		91		64-130	0		20
Bromobenzene	85		86		70-130	1		20
n-Butylbenzene	90		87		53-136	3		20
sec-Butylbenzene	89		86		70-130	3		20
tert-Butylbenzene	88		85		70-130	3		20
o-Chlorotoluene	87		87		70-130	0		20
p-Chlorotoluene	86		85		70-130	1		20
1,2-Dibromo-3-chloropropane	89		87		41-144	2		20
Hexachlorobutadiene	89		87		63-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG675599-1 WG675599-2								
Isopropylbenzene	87		86		70-130	1		20
p-Isopropyltoluene	90		87		70-130	3		20
Naphthalene	90		92		70-130	2		20
n-Propylbenzene	87		86		69-130	1		20
1,2,3-Trichlorobenzene	91		92		70-130	1		20
1,2,4-Trichlorobenzene	89		88		70-130	1		20
1,3,5-Trimethylbenzene	88		86		64-130	2		20
1,2,4-Trimethylbenzene	89		87		70-130	2		20
Methyl Acetate	104		107		70-130	3		20
Ethyl Acetate	99		101		70-130	2		20
Cyclohexane	102		100		70-130	2		20
Ethyl-Tert-Butyl-Ether	107		108		70-130	1		20
Tertiary-Amyl Methyl Ether	106		108		66-130	2		20
1,4-Dioxane	121		116		56-162	4		20
Freon-113	101		98		70-130	3		20
p-Diethylbenzene	89		87		70-130	2		20
p-Ethyltoluene	87		85		70-130	2		20
1,2,4,5-Tetramethylbenzene	97		93		70-130	4		20
Ethyl ether	103		106		59-134	3		20
trans-1,4-Dichloro-2-butene	84		84		70-130	0		20
Methyl cyclohexane	102		100		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG675599-1 WG675599-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	93		94		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-01	Date Collected:	03/10/14 14:40
Client ID:	MW-14_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/11/14 16:13
Analytical Date:	03/14/14 16:08		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-01	Date Collected:	03/10/14 14:40
Client ID:	MW-14_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	70		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-01	Date Collected:	03/10/14 14:40
Client ID:	MW-14_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/11/14 16:19
Analytical Date:	03/13/14 17:30		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.05	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.06	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.07	J	ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.21		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	64		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-02	Date Collected:	03/10/14 12:30
Client ID:	MW-18_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/11/14 16:13
Analytical Date:	03/14/14 16:35		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-02	Date Collected:	03/10/14 12:30
Client ID:	MW-18_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	62		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-02	Date Collected:	03/10/14 12:30
Client ID:	MW-18_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/11/14 16:19
Analytical Date:	03/13/14 17:55		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.43		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.26		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.45		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.10	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.14	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.08	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.08	J	ug/l	0.20	0.07	1
Chrysene	0.08	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.19	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.33		ug/l	0.20	0.06	1
Phenanthrene	0.47		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.11	J	ug/l	0.20	0.08	1
Pyrene	0.23		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.12	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	57		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-03	Date Collected:	03/10/14 11:10
Client ID:	MW-23_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/11/14 16:13
Analytical Date:	03/14/14 17:02		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-03 Date Collected: 03/10/14 11:10

Client ID: MW-23_031014 Date Received: 03/10/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	61		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-03	Date Collected:	03/10/14 11:10
Client ID:	MW-23_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/11/14 16:19
Analytical Date:	03/13/14 18:19		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.10	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.06	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.13	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.07	J	ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.09	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.08	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	48		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	61		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-04	Date Collected:	03/10/14 16:05
Client ID:	MW-28_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/11/14 16:13
Analytical Date:	03/14/14 17:29		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-04	Date Collected:	03/10/14 16:05
Client ID:	MW-28_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	64		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-04	Date Collected:	03/10/14 16:05
Client ID:	MW-28_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/11/14 16:19
Analytical Date:	03/13/14 18:44		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.7		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.62		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.13	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	0.09	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.15	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.09	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.08	J	ug/l	0.20	0.07	1
Chrysene	0.07	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.28		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	1.7		ug/l	0.20	0.06	1
Phenanthrene	0.49		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.12	J	ug/l	0.20	0.08	1
Pyrene	0.46		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.40		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	60		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/14 14:47
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/11/14 16:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG674852-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/14/14 14:47
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/11/14 16:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG674852-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	58		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/13/14 16:16
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 03/11/14 16:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG674855-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.20	J	ug/l	0.50	0.07
Naphthalene	0.09	J	ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	0.09	J	ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.19	J	ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/13/14 16:16
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 03/11/14 16:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG674855-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	63		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG674852-2 WG674852-3								
1,2,4-Trichlorobenzene	52		54		39-98	4		30
Bis(2-chloroethyl)ether	45		49		40-140	9		30
1,2-Dichlorobenzene	46		50		40-140	8		30
1,3-Dichlorobenzene	45		49		40-140	9		30
1,4-Dichlorobenzene	45		47		36-97	4		30
3,3'-Dichlorobenzidine	41		51		40-140	22		30
2,4-Dinitrotoluene	84		92		24-96	9		30
2,6-Dinitrotoluene	82		87		40-140	6		30
4-Chlorophenyl phenyl ether	67		74		40-140	10		30
4-Bromophenyl phenyl ether	75		83		40-140	10		30
Bis(2-chloroisopropyl)ether	**39**	Q	41		40-140	5		30
Bis(2-chloroethoxy)methane	53		54		40-140	2		30
Hexachlorocyclopentadiene	**27**	Q	**29**	Q	40-140	7		30
Isophorone	52		55		40-140	6		30
Nitrobenzene	54		56		40-140	4		30
NitrosoDiPhenylAmine(NDPA)/DPA	68		75		40-140	10		30
n-Nitrosodi-n-propylamine	49		53		29-132	8		30
Bis(2-Ethylhexyl)phthalate	68		69		40-140	1		30
Butyl benzyl phthalate	70		77		40-140	10		30
Di-n-butylphthalate	65		75		40-140	14		30
Di-n-octylphthalate	63		71		40-140	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG674852-2 WG674852-3								
Diethyl phthalate	68		75		40-140	10		30
Dimethyl phthalate	67		74		40-140	10		30
Biphenyl	57		63			10		30
4-Chloroaniline	**30**	Q	**27**	Q	40-140	11		30
2-Nitroaniline	87		91		52-143	4		30
3-Nitroaniline	40		43		25-145	7		30
4-Nitroaniline	65		71		51-143	9		30
Dibenzofuran	63		70		40-140	11		30
1,2,4,5-Tetrachlorobenzene	57		65		2-134	13		30
Acetophenone	55		58		39-129	5		30
2,4,6-Trichlorophenol	79		84		30-130	6		30
P-Chloro-M-Cresol	72		75		23-97	4		30
2-Chlorophenol	50		53		27-123	6		30
2,4-Dichlorophenol	66		69		30-130	4		30
2,4-Dimethylphenol	58		56		30-130	4		30
2-Nitrophenol	70		75		30-130	7		30
4-Nitrophenol	45		48		10-80	6		30
2,4-Dinitrophenol	93		102		20-130	9		30
4,6-Dinitro-o-cresol	102		110		20-164	8		30
Phenol	24		24		12-110	0		30
2-Methylphenol	46		49		30-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG674852-2 WG674852-3								
3-Methylphenol/4-Methylphenol	47		49		30-130	4		30
2,4,5-Trichlorophenol	84		88		30-130	5		30
Benzoic Acid	35		35			0		30
Benzyl Alcohol	44		45			2		30
Carbazole	65		74		55-144	13		30
Benzaldehyde	46		50		40-140	8		30
Caprolactam	22		20		10-130	10		30
Atrazine	79		91		40-140	14		30
2,3,4,6-Tetrachlorophenol	81		88		54-145	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	34		35		21-120
Phenol-d6	24		25		10-120
Nitrobenzene-d5	57		60		23-120
2-Fluorobiphenyl	66		68		15-120
2,4,6-Tribromophenol	82		92		10-120
4-Terphenyl-d14	72		80		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG674855-2 WG674855-3								
Acenaphthene	66		61		37-111	8		40
2-Chloronaphthalene	62		58		40-140	7		40
Fluoranthene	85		88		40-140	3		40
Hexachlorobutadiene	55		53		40-140	4		40
Naphthalene	58		56		40-140	4		40
Benzo(a)anthracene	82		89		40-140	8		40
Benzo(a)pyrene	56		73		40-140	26		40
Benzo(b)fluoranthene	67		77		40-140	14		40
Benzo(k)fluoranthene	60		77		40-140	25		40
Chrysene	70		77		40-140	10		40
Acenaphthylene	69		63		40-140	9		40
Anthracene	78		77		40-140	1		40
Benzo(ghi)perylene	46		72		40-140	**44**	Q	40
Fluorene	72		67		40-140	7		40
Phenanthrene	72		72		40-140	0		40
Dibenzo(a,h)anthracene	50		74		40-140	39		40
Indeno(1,2,3-cd)Pyrene	48		74		40-140	**43**	Q	40
Pyrene	81		85		26-127	5		40
2-Methylnaphthalene	60		58		40-140	3		40
Pentachlorophenol	77		72		9-103	7		40
Hexachlorobenzene	76		75		40-140	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG674855-2 WG674855-3								
Hexachloroethane	55		54		40-140	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		36		21-120
Phenol-d6	25		25		10-120
Nitrobenzene-d5	60		58		23-120
2-Fluorobiphenyl	62		57		15-120
2,4,6-Tribromophenol	86		83		10-120
4-Terphenyl-d14	75		76		41-149

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-01	Date Collected:	03/10/14 14:40
Client ID:	MW-14_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/11/14 10:14
Analytical Date:	03/12/14 17:50	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/12/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-02	Date Collected:	03/10/14 12:30
Client ID:	MW-18_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/11/14 10:14
Analytical Date:	03/12/14 18:03	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/12/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-03	Date Collected:	03/10/14 11:10
Client ID:	MW-23_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/11/14 10:14
Analytical Date:	03/12/14 18:17	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/12/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-04	Date Collected:	03/10/14 16:05
Client ID:	MW-28_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/11/14 10:14
Analytical Date:	03/12/14 18:30	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/12/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1404960

Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/12/14 19:10
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/11/14 10:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/12/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/12/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG674747-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG674747-2 WG674747-3									
Aroclor 1016	81		79		40-140	3		50	A
Aroclor 1260	101		100		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		62		30-150	A
Decachlorobiphenyl	89		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		59		30-150	B
Decachlorobiphenyl	90		81		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-01	Date Collected:	03/10/14 14:40
Client ID:	MW-14_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/11/14 08:12
Analytical Date:	03/14/14 10:40	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	32		30-150	A
Decachlorobiphenyl	**26**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	30		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-01	Date Collected:	03/10/14 14:40
Client ID:	MW-14_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 06:45
Analytical Date:	03/12/14 16:34	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	A
DCAA	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-02	Date Collected:	03/10/14 12:30
Client ID:	MW-18_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/11/14 08:12
Analytical Date:	03/14/14 08:28	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-02	Date Collected:	03/10/14 12:30
Client ID:	MW-18_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 06:45
Analytical Date:	03/12/14 16:54	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-03	Date Collected:	03/10/14 11:10
Client ID:	MW-23_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/11/14 08:12
Analytical Date:	03/14/14 08:41	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-03	Date Collected:	03/10/14 11:10
Client ID:	MW-23_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 06:45
Analytical Date:	03/12/14 17:14	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-04	Date Collected:	03/10/14 16:05
Client ID:	MW-28_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/11/14 08:12
Analytical Date:	03/14/14 08:54	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

SAMPLE RESULTS

Lab ID:	L1404960-04	Date Collected:	03/10/14 16:05
Client ID:	MW-28_031014	Date Received:	03/10/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/11/14 06:45
Analytical Date:	03/12/14 17:34	Methylation Date:	03/11/14 17:34
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	70		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/13/14 05:36
Analyst: GP

Extraction Method: EPA 8151A
Extraction Date: 03/11/14 05:05

Methylation Date: 03/11/14 17:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG674675-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/14/14 07:35
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 03/11/14 08:12
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG674701-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG674675-2 WG674675-3									
2,4-D	104		108		30-150	4		25	A
2,4,5-T	79		84		30-150	6		25	A
2,4,5-TP (Silvex)	77		80		30-150	4		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	72		73		30-150	A
DCAA	86		79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG674701-2 WG674701-3									
Delta-BHC	59		60		30-150	1		20	A
Lindane	62		62		30-150	1		20	A
Alpha-BHC	63		65		30-150	2		20	A
Beta-BHC	61		61		30-150	0		20	A
Heptachlor	66		68		30-150	3		20	A
Aldrin	68		70		30-150	3		20	A
Heptachlor epoxide	69		71		30-150	2		20	A
Endrin	77		79		30-150	3		20	A
Endrin ketone	68		70		30-150	2		20	A
Dieldrin	75		77		30-150	3		20	A
4,4'-DDE	72		74		30-150	2		20	A
4,4'-DDD	68		70		30-150	3		20	A
4,4'-DDT	80		83		30-150	3		20	A
Endosulfan I	70		72		30-150	3		20	A
Endosulfan II	71		72		30-150	2		20	A
Endosulfan sulfate	64		64		30-150	0		20	A
Methoxychlor	74		76		30-150	3		20	A
cis-Chlordane	72		73		30-150	2		20	A
trans-Chlordane	67		69		30-150	3		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG674701-2 WG674701-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		55		30-150	A
Decachlorobiphenyl	78		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		53		30-150	B
Decachlorobiphenyl	87		91		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-01
Client ID: MW-14_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 14:40
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0135		mg/l	0.0100	0.00200	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Antimony, Total	0.00015	J	mg/l	0.00100	0.00010	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00577		mg/l	0.00050	0.00020	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Barium, Total	0.2730		mg/l	0.00050	0.00010	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Calcium, Total	109.		mg/l	2.00	0.640	20	03/11/14 09:16	03/13/14 02:50	EPA 3005A	1,6020A	BM
Chromium, Total	0.00036	J	mg/l	0.00100	0.00020	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00181		mg/l	0.00050	0.00010	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Copper, Total	0.00068	J	mg/l	0.00100	0.00010	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Iron, Total	23.4		mg/l	0.0500	0.0130	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Lead, Total	0.00214		mg/l	0.00100	0.00020	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Magnesium, Total	12.8		mg/l	0.0700	0.0230	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Manganese, Total	2.996		mg/l	0.01000	0.00200	20	03/11/14 09:16	03/13/14 02:50	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/11/14 13:05	03/11/14 16:10	EPA 7470A	1,7470A	AK
Nickel, Total	0.00206		mg/l	0.00050	0.00010	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Potassium, Total	7.87		mg/l	0.100	0.0270	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Selenium, Total	0.00086	J	mg/l	0.00500	0.00030	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Sodium, Total	88.7		mg/l	2.00	0.300	20	03/11/14 09:16	03/13/14 02:50	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00026	J	mg/l	0.00500	0.00010	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Zinc, Total	0.00580	J	mg/l	0.01000	0.00120	1	03/11/14 09:16	03/13/14 02:44	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00213	J	mg/l	0.0100	0.00200	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Antimony, Dissolved	0.00029	J	mg/l	0.00200	0.00010	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Arsenic, Dissolved	0.00231		mg/l	0.00050	0.00020	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Barium, Dissolved	0.1899		mg/l	0.00050	0.00010	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404960
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-01
Client ID: MW-14_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 14:40
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	99.2		mg/l	2.00	0.640	20	03/11/14 09:14	03/14/14 17:57	NA	1,6020A	BM
Chromium, Dissolved	0.00136		mg/l	0.00100	0.00020	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Cobalt, Dissolved	0.00156		mg/l	0.00050	0.00010	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Copper, Dissolved	0.00024	J	mg/l	0.00100	0.00010	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Iron, Dissolved	12.3		mg/l	0.0500	0.0130	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Magnesium, Dissolved	11.3		mg/l	0.0700	0.0230	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Manganese, Dissolved	2.742		mg/l	0.02000	0.00200	20	03/11/14 09:14	03/14/14 17:57	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/11/14 11:26	03/11/14 14:31	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00176		mg/l	0.00050	0.00010	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Potassium, Dissolved	6.77		mg/l	0.100	0.0270	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Selenium, Dissolved	0.00052	J	mg/l	0.00500	0.00030	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Sodium, Dissolved	79.6		mg/l	8.00	0.300	20	03/11/14 09:14	03/14/14 17:57	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Vanadium, Dissolved	0.00030	J	mg/l	0.00500	0.00010	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM
Zinc, Dissolved	0.00859	J	mg/l	0.1500	0.00120	1	03/11/14 09:14	03/14/14 17:45	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-02
Client ID: MW-18_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 12:30
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1.46		mg/l	0.400	0.0800	40	03/11/14 09:16	03/13/14 03:15	EPA 3005A	1,6020A	BM
Antimony, Total	0.00065	J	mg/l	0.00200	0.00020	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00513		mg/l	0.00100	0.00040	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Barium, Total	0.2802		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00012	J	mg/l	0.00040	0.00010	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Calcium, Total	295.		mg/l	4.00	1.28	40	03/11/14 09:16	03/13/14 03:15	EPA 3005A	1,6020A	BM
Chromium, Total	0.00342		mg/l	0.00200	0.00040	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00559		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Copper, Total	0.02286		mg/l	0.00200	0.00020	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Iron, Total	16.1		mg/l	0.100	0.0260	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Lead, Total	0.07770		mg/l	0.00200	0.00040	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Magnesium, Total	42.2		mg/l	0.140	0.0460	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Manganese, Total	8.792		mg/l	0.02000	0.00400	40	03/11/14 09:16	03/13/14 03:15	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/11/14 13:05	03/11/14 16:12	EPA 7470A	1,7470A	AK
Nickel, Total	0.00772		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Potassium, Total	14.3		mg/l	0.200	0.0540	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Selenium, Total	0.00233	J	mg/l	0.0100	0.00060	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00080	0.00020	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Sodium, Total	493.		mg/l	4.00	0.600	40	03/11/14 09:16	03/13/14 03:15	EPA 3005A	1,6020A	BM
Thallium, Total	0.00007	J	mg/l	0.00100	0.00006	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00441	J	mg/l	0.01000	0.00020	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Zinc, Total	0.04004		mg/l	0.02000	0.00240	2	03/11/14 09:16	03/13/14 03:09	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0200	0.00400	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Antimony, Dissolved	0.00209	J	mg/l	0.00400	0.00020	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Arsenic, Dissolved	0.00272		mg/l	0.00100	0.00040	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Barium, Dissolved	0.2188		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00040	0.00010	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404960
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-02
Client ID: MW-18_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 12:30
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	257.		mg/l	4.00	1.28	40	03/11/14 09:14	03/14/14 18:28	NA	1,6020A	BM
Chromium, Dissolved	0.00128	J	mg/l	0.00200	0.00040	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Cobalt, Dissolved	0.00396		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Copper, Dissolved	0.00045	J	mg/l	0.00200	0.00020	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Iron, Dissolved	5.50		mg/l	0.100	0.0260	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00200	0.00040	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Magnesium, Dissolved	40.5		mg/l	0.140	0.0460	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Manganese, Dissolved	7.620		mg/l	0.04000	0.00400	40	03/11/14 09:14	03/14/14 18:28	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/11/14 11:26	03/11/14 14:40	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00540		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Potassium, Dissolved	13.1		mg/l	0.200	0.0540	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Selenium, Dissolved	0.00151	J	mg/l	0.0100	0.00060	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Silver, Dissolved	0.00027	J	mg/l	0.00080	0.00020	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Sodium, Dissolved	440.		mg/l	16.0	0.600	40	03/11/14 09:14	03/14/14 18:28	NA	1,6020A	BM
Thallium, Dissolved	0.00008	J	mg/l	0.00100	0.00006	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Vanadium, Dissolved	0.00025	J	mg/l	0.01000	0.00020	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM
Zinc, Dissolved	0.03558		mg/l	0.03000	0.00240	2	03/11/14 09:14	03/14/14 18:22	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-03
Client ID: MW-23_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 11:10
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.646		mg/l	0.0200	0.00400	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Antimony, Total	0.00029	J	mg/l	0.00200	0.00020	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00437		mg/l	0.00100	0.00040	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Barium, Total	0.4846		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00040	0.00010	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Calcium, Total	293.		mg/l	2.00	0.640	20	03/11/14 09:16	03/13/14 03:28	EPA 3005A	1,6020A	BM
Chromium, Total	0.00188	J	mg/l	0.00200	0.00040	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00116		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Copper, Total	0.00734		mg/l	0.00200	0.00020	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Iron, Total	30.4		mg/l	0.100	0.0260	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Lead, Total	0.05818		mg/l	0.00200	0.00040	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Magnesium, Total	143.		mg/l	1.40	0.460	20	03/11/14 09:16	03/13/14 03:28	EPA 3005A	1,6020A	BM
Manganese, Total	0.9022		mg/l	0.01000	0.00200	20	03/11/14 09:16	03/13/14 03:28	EPA 3005A	1,6020A	BM
Mercury, Total	0.00008	J	mg/l	0.00020	0.00006	1	03/11/14 13:05	03/11/14 16:17	EPA 7470A	1,7470A	AK
Nickel, Total	0.00390		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Potassium, Total	50.4		mg/l	0.200	0.0540	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Selenium, Total	0.00489	J	mg/l	0.0100	0.00060	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00080	0.00020	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Sodium, Total	285.		mg/l	2.00	0.300	20	03/11/14 09:16	03/13/14 03:28	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00100	0.00006	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00357	J	mg/l	0.01000	0.00020	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Zinc, Total	0.03468		mg/l	0.02000	0.00240	2	03/11/14 09:16	03/13/14 03:22	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0200	0.00400	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Antimony, Dissolved	0.00048	J	mg/l	0.00400	0.00020	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Arsenic, Dissolved	0.00181		mg/l	0.00100	0.00040	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Barium, Dissolved	0.2604		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00100	0.00010	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404960
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-03
Client ID: MW-23_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 11:10
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	255.		mg/l	2.00	0.640	20	03/11/14 09:14	03/14/14 18:41	NA	1,6020A	BM
Chromium, Dissolved	0.00336		mg/l	0.00200	0.00040	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Cobalt, Dissolved	0.00063		mg/l	0.00040	0.00020	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Copper, Dissolved	0.00078	J	mg/l	0.00200	0.00020	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Iron, Dissolved	12.2		mg/l	0.100	0.0260	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00200	0.00040	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Magnesium, Dissolved	134.		mg/l	1.40	0.460	20	03/11/14 09:14	03/14/14 18:41	NA	1,6020A	BM
Manganese, Dissolved	0.7470		mg/l	0.00200	0.00020	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/11/14 11:26	03/11/14 14:42	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00297		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Potassium, Dissolved	43.6		mg/l	0.200	0.0540	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Selenium, Dissolved	0.00399	J	mg/l	0.0100	0.00060	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00080	0.00020	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Sodium, Dissolved	268.		mg/l	8.00	0.300	20	03/11/14 09:14	03/14/14 18:41	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00100	0.00006	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Vanadium, Dissolved	0.00097	J	mg/l	0.01000	0.00020	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM
Zinc, Dissolved	0.02202	J	mg/l	0.03000	0.00240	2	03/11/14 09:14	03/14/14 18:34	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-04
Client ID: MW-28_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 16:05
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0849		mg/l	0.0200	0.00400	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Antimony, Total	0.00026	J	mg/l	0.00200	0.00020	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00248		mg/l	0.00100	0.00040	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Barium, Total	0.5420		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00040	0.00010	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Calcium, Total	294.		mg/l	2.00	0.640	20	03/11/14 09:16	03/13/14 03:40	EPA 3005A	1,6020A	BM
Chromium, Total	0.00066	J	mg/l	0.00200	0.00040	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00083	J	mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Copper, Total	0.00262		mg/l	0.00200	0.00020	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Iron, Total	33.5		mg/l	0.100	0.0260	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Lead, Total	0.01234		mg/l	0.00200	0.00040	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Magnesium, Total	117.		mg/l	1.40	0.460	20	03/11/14 09:16	03/13/14 03:40	EPA 3005A	1,6020A	BM
Manganese, Total	0.9020		mg/l	0.01000	0.00200	20	03/11/14 09:16	03/13/14 03:40	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/11/14 13:05	03/11/14 16:19	EPA 7470A	1,7470A	AK
Nickel, Total	0.00389		mg/l	0.00100	0.00020	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Potassium, Total	29.1		mg/l	0.200	0.0540	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Selenium, Total	0.00575	J	mg/l	0.0100	0.00060	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00080	0.00020	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Sodium, Total	352.		mg/l	2.00	0.300	20	03/11/14 09:16	03/13/14 03:40	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00100	0.00006	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00071	J	mg/l	0.01000	0.00020	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Zinc, Total	0.02024		mg/l	0.02000	0.00240	2	03/11/14 09:16	03/13/14 03:34	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00804	J	mg/l	0.0200	0.00400	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Antimony, Dissolved	0.00231	J	mg/l	0.00400	0.00020	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Arsenic, Dissolved	0.00219		mg/l	0.00100	0.00040	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Barium, Dissolved	0.3858		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00040	0.00010	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM

Project Name: GREENPOINT LANDING
Lab Number: L1404960
Project Number: 170229002
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-04
Client ID: MW-28_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 16:05
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	255.		mg/l	2.00	0.640	20	03/11/14 09:14	03/14/14 19:21	NA	1,6020A	BM
Chromium, Dissolved	0.00233		mg/l	0.00200	0.00040	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Cobalt, Dissolved	0.00075	J	mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Copper, Dissolved	0.00078	J	mg/l	0.00200	0.00020	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Iron, Dissolved	16.0		mg/l	0.100	0.0260	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Lead, Dissolved	0.00041	J	mg/l	0.00200	0.00040	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Magnesium, Dissolved	104.		mg/l	1.40	0.460	20	03/11/14 09:14	03/14/14 19:21	NA	1,6020A	BM
Manganese, Dissolved	0.7882		mg/l	0.02000	0.00200	20	03/11/14 09:14	03/14/14 19:21	NA	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/11/14 11:26	03/11/14 14:44	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00405		mg/l	0.00100	0.00020	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Potassium, Dissolved	27.1		mg/l	0.200	0.0540	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Selenium, Dissolved	0.00566	J	mg/l	0.0100	0.00060	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00080	0.00020	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Sodium, Dissolved	318.		mg/l	8.00	0.300	20	03/11/14 09:14	03/14/14 19:21	NA	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00100	0.00006	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Vanadium, Dissolved	0.00054	J	mg/l	0.01000	0.00020	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM
Zinc, Dissolved	0.01458	J	mg/l	0.03000	0.00240	2	03/11/14 09:14	03/14/14 19:14	NA	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG674722-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Antimony, Total	0.00029	J	mg/l	0.00100	0.00010	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Chromium, Total	0.00024	J	mg/l	0.00100	0.00020	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Copper, Total	0.00019	J	mg/l	0.00100	0.00010	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Manganese, Total	0.00011	J	mg/l	0.00050	0.00010	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Sodium, Total	0.0225	J	mg/l	0.100	0.0150	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	03/11/14 09:16	03/12/14 22:35	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG674734-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/11/14 11:26	03/11/14 14:27	1,7470A	AK

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG674773-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/11/14 13:05	03/11/14 15:41	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG675350-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Antimony, Dissolved	0.00011	J	mg/l	0.00200	0.00010	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Barium, Dissolved	0.00019	J	mg/l	0.00050	0.00010	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Calcium, Dissolved	0.0932	J	mg/l	0.100	0.0320	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Chromium, Dissolved	0.00028	J	mg/l	0.00100	0.00020	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00010	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Copper, Dissolved	0.00020	J	mg/l	0.00100	0.00010	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Magnesium, Dissolved	0.0271	J	mg/l	0.0700	0.0230	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Manganese, Dissolved	0.00073	J	mg/l	0.00100	0.00010	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Nickel, Dissolved	ND		mg/l	0.00050	0.00010	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Sodium, Dissolved	0.392	J	mg/l	0.400	0.0150	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Zinc, Dissolved	0.01233	J	mg/l	0.1500	0.00120	1	03/11/14 09:14	03/14/14 17:13	1,6020A	BM

Prep Information

Digestion Method: NA

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG674722-2								
Aluminum, Total	110		-		80-120	-		
Antimony, Total	85		-		80-120	-		
Arsenic, Total	98		-		80-120	-		
Barium, Total	94		-		80-120	-		
Beryllium, Total	90		-		80-120	-		
Cadmium, Total	97		-		80-120	-		
Calcium, Total	96		-		80-120	-		
Chromium, Total	94		-		80-120	-		
Cobalt, Total	93		-		80-120	-		
Copper, Total	97		-		80-120	-		
Iron, Total	96		-		80-120	-		
Lead, Total	91		-		80-120	-		
Magnesium, Total	103		-		80-120	-		
Manganese, Total	91		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	98		-		80-120	-		
Selenium, Total	103		-		80-120	-		
Silver, Total	96		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	86		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG674722-2					
Zinc, Total	101	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG674734-2					
Mercury, Dissolved	104	-	70-130	-	
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG674773-2					
Mercury, Total	104	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG675350-2					
Aluminum, Dissolved	97	-	80-120	-	
Antimony, Dissolved	81	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Barium, Dissolved	96	-	80-120	-	
Beryllium, Dissolved	96	-	80-120	-	
Cadmium, Dissolved	96	-	80-120	-	
Calcium, Dissolved	93	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Cobalt, Dissolved	92	-	80-120	-	
Copper, Dissolved	97	-	80-120	-	
Iron, Dissolved	93	-	80-120	-	
Lead, Dissolved	99	-	80-120	-	
Magnesium, Dissolved	97	-	80-120	-	
Manganese, Dissolved	92	-	80-120	-	
Nickel, Dissolved	97	-	80-120	-	
Potassium, Dissolved	95	-	80-120	-	
Selenium, Dissolved	95	-	80-120	-	
Silver, Dissolved	91	-	80-120	-	
Sodium, Dissolved	101	-	80-120	-	
Thallium, Dissolved	95	-	80-120	-	
Vanadium, Dissolved	90	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG675350-2					
Zinc, Dissolved	104	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674722-4 QC Sample: L1404896-01 Client ID: MS Sample												
Aluminum, Total	0.00373J	2	2.34	117		-	-		75-125	-		20
Antimony, Total	0.00015J	0.5	0.4505	90		-	-		75-125	-		20
Arsenic, Total	0.00027J	0.12	0.1234	103		-	-		75-125	-		20
Barium, Total	0.02595	2	1.969	97		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.04742	95		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05008	98		-	-		75-125	-		20
Calcium, Total	52.8	10	60.3	75		-	-		75-125	-		20
Chromium, Total	0.00031J	0.2	0.1942	97		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.4764	95		-	-		75-125	-		20
Copper, Total	0.00857	0.25	0.2577	100		-	-		75-125	-		20
Iron, Total	0.302	1	1.31	101		-	-		75-125	-		20
Lead, Total	0.00062J	0.51	0.5198	102		-	-		75-125	-		20
Magnesium, Total	11.2	10	22.1	109		-	-		75-125	-		20
Manganese, Total	0.00543	0.5	0.4799	95		-	-		75-125	-		20
Nickel, Total	0.00058	0.5	0.4958	99		-	-		75-125	-		20
Potassium, Total	1.04	10	11.4	104		-	-		75-125	-		20
Selenium, Total	0.00045J	0.12	0.130	108		-	-		75-125	-		20
Silver, Total	ND	0.05	0.04862	97		-	-		75-125	-		20
Sodium, Total	27.1	10	37.5	104		-	-		75-125	-		20
Thallium, Total	0.00004J	0.12	0.1154	96		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.5092	102		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674722-4 QC Sample: L1404896-01 Client ID: MS Sample									
Zinc, Total	0.01250	0.5	0.5266	103	-	-	75-125	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674734-4 QC Sample: L1404960-01 Client ID: MW-14_031014									
Mercury, Dissolved	ND	0.005	0.00537	107	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674773-4 QC Sample: L1404896-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00525	105	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675350-4 QC Sample: L1404960-01 Client ID: MW-14_031014										
Aluminum, Dissolved	0.00213J	2	2.04	102		-	-	75-125	-	20
Antimony, Dissolved	0.00029J	0.5	0.4606	92		-	-	75-125	-	20
Arsenic, Dissolved	0.00231	0.12	0.1283	105		-	-	75-125	-	20
Barium, Dissolved	0.1899	2	2.196	100		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05036	101		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05166	101		-	-	75-125	-	20
Calcium, Dissolved	99.2	10	103	**38**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.00136	0.2	0.1952	97		-	-	75-125	-	20
Cobalt, Dissolved	0.00156	0.5	0.4808	96		-	-	75-125	-	20
Copper, Dissolved	0.00024J	0.25	0.2472	99		-	-	75-125	-	20
Iron, Dissolved	12.3	1	13.1	80		-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5348	105		-	-	75-125	-	20
Magnesium, Dissolved	11.3	10	22.5	112		-	-	75-125	-	20
Manganese, Dissolved	2.742	0.5	3.040	**60**	Q	-	-	75-125	-	20
Nickel, Dissolved	0.00176	0.5	0.5108	102		-	-	75-125	-	20
Potassium, Dissolved	6.77	10	17.1	103		-	-	75-125	-	20
Selenium, Dissolved	0.00052J	0.12	0.116	97		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04832	97		-	-	75-125	-	20
Sodium, Dissolved	79.6	10	85.8	**62**	Q	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1200	100		-	-	75-125	-	20
Vanadium, Dissolved	0.00030J	0.5	0.4764	95		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675350-4 QC Sample: L1404960-01 Client ID: MW-14_031014									
Zinc, Dissolved	0.00859J	0.5	0.5312	106	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674722-3 QC Sample: L1404896-01 Client ID: DUP Sample						
Aluminum, Total	0.00373J	0.00338J	mg/l	NC		20
Antimony, Total	0.00015J	0.00012J	mg/l	NC		20
Arsenic, Total	0.00027J	0.00025J	mg/l	NC		20
Barium, Total	0.02595	0.02519	mg/l	3		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00031J	0.00033J	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	0.00857	0.00835	mg/l	3		20
Iron, Total	0.302	0.289	mg/l	4		20
Lead, Total	0.00062J	0.00056J	mg/l	NC		20
Magnesium, Total	11.2	10.9	mg/l	3		20
Manganese, Total	0.00543	0.00525	mg/l	3		20
Nickel, Total	0.00058	0.00056	mg/l	4		20
Potassium, Total	1.04	1.00	mg/l	4		20
Selenium, Total	0.00045J	0.00048J	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	27.1	26.1	mg/l	4		20
Thallium, Total	0.00004J	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674722-3 QC Sample: L1404896-01 Client ID: DUP Sample					
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.01250	0.01250	mg/l	0	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674722-3 QC Sample: L1404896-01 Client ID: DUP Sample					
Calcium, Total	52.8	51.4	mg/l	3	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674734-3 QC Sample: L1404960-01 Client ID: MW-14_031014					
Mercury, Dissolved	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674773-3 QC Sample: L1404896-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675350-3 QC Sample: L1404960-01 Client ID: MW-14_031014					
Aluminum, Dissolved	0.00213J	0.00218J	mg/l	NC	20
Antimony, Dissolved	0.00029J	0.00023J	mg/l	NC	20
Arsenic, Dissolved	0.00231	0.00227	mg/l	2	20
Barium, Dissolved	0.1899	0.1956	mg/l	3	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	0.00136	0.00135	mg/l	1	20
Cobalt, Dissolved	0.00156	0.00157	mg/l	1	20
Copper, Dissolved	0.00024J	0.00037J	mg/l	NC	20
Iron, Dissolved	12.3	12.5	mg/l	2	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	11.3	11.5	mg/l	2	20
Nickel, Dissolved	0.00176	0.00184	mg/l	4	20
Potassium, Dissolved	6.77	6.92	mg/l	2	20
Selenium, Dissolved	0.00052J	0.00059J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.00030J	0.00029J	mg/l	NC	20
Zinc, Dissolved	0.00859J	0.00839J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675350-3 QC Sample: L1404960-01 Client ID: MW-14_031014					
Calcium, Dissolved	99.2	97.4	mg/l	2	20
Manganese, Dissolved	2.742	2.678	mg/l	2	20
Sodium, Dissolved	79.6	76.7	mg/l	4	20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-01
Client ID: MW-14_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 14:40
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 11:56	107,-	JO
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	03/12/14 11:30	03/12/14 15:09	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/11/14 01:25	03/11/14 01:49	1,7196A	DE

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-02
Client ID: MW-18_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 12:30
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 11:56	107,-	JO
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	03/12/14 11:30	03/12/14 15:12	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/11/14 01:25	03/11/14 01:50	1,7196A	DE

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-03
Client ID: MW-23_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 11:10
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 11:56	107,-	JO
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	03/12/14 11:30	03/12/14 15:26	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/11/14 01:25	03/11/14 01:50	1,7196A	DE

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

SAMPLE RESULTS

Lab ID: L1404960-04
Client ID: MW-28_031014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/10/14 16:05
Date Received: 03/10/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/14/14 11:56	107,-	JO
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	03/12/14 11:30	03/12/14 15:15	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/11/14 01:25	03/11/14 01:51	1,7196A	DE

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG674655-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/11/14 01:25	03/11/14 01:48	1,7196A	DE
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG674700-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/12/14 11:30	03/12/14 15:02	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG674655-2								
Chromium, Hexavalent	107		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG674700-2 WG674700-3								
Cyanide, Total	89		96		80-120	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674655-4 QC Sample: L1404960-01 Client ID: MW-14_031014												
Chromium, Hexavalent	ND	0.1	0.092	92		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674700-4 WG674700-5 QC Sample: L1404960-02 Client ID: MW-18_031014												
Cyanide, Total	0.004J	0.2	0.202	101		0.192	96		80-120	5		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674655-3 QC Sample: L1404960-01 Client ID: MW-14_031014						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404960-01A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-01B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-01C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-01D	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404960-01E	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404960-01F	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	HERB-APA(7)
L1404960-01G	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	HERB-APA(7)
L1404960-01H	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1404960-01I	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1404960-01J	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1404960-01K	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1404960-01L	Plastic 500ml unpreserved	A	7	2.8	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1404960-01M	Plastic 500ml HNO3 preserved	A	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),TRICR-CALC(1),CO-6020T(180)
L1404960-01N	Plastic 250ml NaOH preserved	A	>12	2.8	Y	Absent	TCN-9010(14)
L1404960-01O	Plastic 500ml unpreserved	A	7	2.8	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404960-01X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404960-02A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-02B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-02C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-02D	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404960-02E	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404960-02F	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	HERB-APA(7)
L1404960-02G	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	HERB-APA(7)
L1404960-02H	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404960-02I	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404960-02J	Amber 500ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8081(7)
L1404960-02K	Amber 500ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8081(7)
L1404960-02L	Plastic 500ml unpreserved	B	7	2.1	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1404960-02M	Plastic 500ml HNO3 preserved	B	<2	2.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),TRICR-CALC(1),CO-6020T(180)
L1404960-02N	Plastic 250ml NaOH preserved	B	>12	2.1	Y	Absent	TCN-9010(14)
L1404960-02O	Plastic 500ml unpreserved	B	7	2.1	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404960-02X	Plastic 250ml HNO3 preserved spl	B	<2	2.1	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404960-03A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-03B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-03C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-03D	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404960-03E	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404960-03F	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	HERB-APA(7)
L1404960-03G	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	HERB-APA(7)
L1404960-03H	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404960-03I	Amber 1000ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8082-1200ML(7)
L1404960-03J	Amber 500ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8081(7)
L1404960-03K	Amber 500ml unpreserved	B	7	2.1	Y	Absent	NYTCL-8081(7)
L1404960-03L	Plastic 500ml unpreserved	B	7	2.1	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1404960-03M	Plastic 500ml HNO3 preserved	B	<2	2.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),TRICR-CALC(1),CO-6020T(180)
L1404960-03N	Plastic 250ml NaOH preserved	B	>12	2.1	Y	Absent	TCN-9010(14)
L1404960-03O	Plastic 500ml unpreserved	B	7	2.1	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404960-03X	Plastic 250ml HNO3 preserved spl	B	<2	2.1	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404960-04A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-04B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-04C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-04D	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404960-04E	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1404960-04F	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	HERB-APA(7)
L1404960-04G	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	HERB-APA(7)
L1404960-04H	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1404960-04I	Amber 1000ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1404960-04J	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1404960-04K	Amber 500ml unpreserved	A	7	2.8	Y	Absent	NYTCL-8081(7)
L1404960-04L	Plastic 500ml unpreserved	A	7	2.8	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1404960-04M	Plastic 500ml HNO3 preserved	A	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),TRICR-CALC(1),CO-6020T(180)
L1404960-04N	Plastic 250ml NaOH preserved	A	>12	2.8	Y	Absent	TCN-9010(14)
L1404960-04O	Plastic 500ml unpreserved	A	7	2.8	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1404960
Report Date: 03/17/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1404960-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1404960-05A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1404960-05B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

Container Comments

L1404960-02X

L1404960-03X

L1404960-04X

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1404960

Project Number: 170229002 **Report Date:** 03/17/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1404960
Project Number:	170229002	**Report Date:**	03/17/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1404960
Project Number: 170229002 **Report Date:** 03/17/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

GROUNDWATER

Serial_No:03171416:11

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/10/14

ALPHA Job #: L1404960

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANDAU D.P.C.

Address:

Phone:

Fax:

Email: gwykaelanyan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAYGOLDETSKY

ALPHA Quote #: 2014148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/17/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDD's
2) PROVIDE ASP CAT. B DELIVERABLES

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TAL VOCs	SVOCs	PCBs	Pest's	Herbs	Metals	Hex. Chrom.	Cyanide	Tri. Chloro.			Sample Specific Comments	TOTAL # BOTTLES
04960.1	MW-14_031014	3/10/14	14:40	GW	[illegible]	X	X	X	X	X	X	X	X	X			(6) 1 L AMBER, (2) SM. AMBERS, (3) LG. PLASTIC, (1) SM. PLASTIC, (3) VOAs.	
.2	MW-18_031014		12:30			X	X	X	X	X	X	X	X	X				
.3	MW-23_031014		11:10			X	X	X	X	X	X	X	X	X				
.4	MW-28_031014		16:05			X	X	X	X	X	X	X	X	X				
.5	GW TRIP BLK_031014	-	-	Aq.		X											(2) VOAs	

Container Type															
Preservative															

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/10/14 16:40	[signature]	3/10/14 16:40
[signature]	3/10/14 1900	Tom Tolles	3-10-14 1905
Tom Tolles	3-10-14 23:30	Richard [signature]	3/10/14 23:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1405076
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	03/18/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1405076-01	MW-13A_031114	BROOKLYN, NY	03/11/14 14:00
L1405076-02	MW-21_031114	BROOKLYN, NY	03/11/14 10:30
L1405076-03	MW-22_031114	BROOKLYN, NY	03/11/14 12:45
L1405076-04	MW-24_031114	BROOKLYN, NY	03/11/14 15:35
L1405076-05	GWTB05_031114	BROOKLYN, NY	03/11/14 00:00
L1405076-06	SAMPLE1	BROOKLYN, NY	03/11/14 00:00
L1405076-07	SAMPLE2	BROOKLYN, NY	03/11/14 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1405076
Project Number: 170229002 **Report Date:** 03/18/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1405076
Project Number:	170229002	**Report Date:**	03/18/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L1405076-01, -03 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

L1405076-02: The dissolved results are greater than the total results for calcium, magnesium, manganese and sodium. The sample containers were verified as being labeled correctly by the laboratory, and aliquots were analyzed from each bottle, confirming the original results.

Dissolved Metals

L1405076-01, -03 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG676282-4 MS recoveries, performed on L1405076-02, are outside the acceptance criteria for antimony (72%), beryllium (127%), potassium (52%) and selenium (129%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (129%) and potassium (186%). All other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG676282-4 MS recoveries for calcium (0%), magnesium (35%) and sodium (0%), performed on L1405076-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 03/18/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-01	Date Collected:	03/11/14 14:00
Client ID:	MW-13A_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 11:50		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-01 Date Collected: 03/11/14 14:00

Client ID: MW-13A_031114 Date Received: 03/11/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-01	Date Collected:	03/11/14 14:00
Client ID:	MW-13A_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-02	Date Collected:	03/11/14 10:30
Client ID:	MW-21_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 12:24		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-02 Date Collected: 03/11/14 10:30

Client ID: MW-21_031114 Date Received: 03/11/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	27		ug/l	2.5	0.70	1
Naphthalene	1.9	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-02	Date Collected:	03/11/14 10:30
Client ID:	MW-21_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-03	Date Collected:	03/11/14 12:45
Client ID:	MW-22_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 12:59		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-03 Date Collected: 03/11/14 12:45

Client ID: MW-22_031114 Date Received: 03/11/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-03	Date Collected:	03/11/14 12:45
Client ID:	MW-22_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-04	Date Collected:	03/11/14 15:35
Client ID:	MW-24_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 13:34		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-04 Date Collected: 03/11/14 15:35

Client ID: MW-24_031114 Date Received: 03/11/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-04	Date Collected:	03/11/14 15:35
Client ID:	MW-24_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-05	Date Collected:	03/11/14 00:00
Client ID:	GWTB05_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	03/13/14 14:08		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-05 Date Collected: 03/11/14 00:00

Client ID: GWTB05_031114 Date Received: 03/11/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.2	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	1.8	J	ug/l	5.0	1.0	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-05	Date Collected:	03/11/14 00:00
Client ID:	GWTB05_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/13/14 10:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG675591-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/13/14 10:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG675591-3					
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/13/14 10:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG675591-3					
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG675591-1 WG675591-2								
Methylene chloride	92		80		70-130	14		20
1,1-Dichloroethane	90		80		70-130	12		20
Chloroform	93		82		70-130	13		20
2-Chloroethylvinyl ether	77		**67**	Q	70-130	14		20
Carbon tetrachloride	92		81		63-132	13		20
1,2-Dichloropropane	92		82		70-130	11		20
Dibromochloromethane	101		86		63-130	16		20
1,1,2-Trichloroethane	103		88		70-130	16		20
Tetrachloroethene	103		91		70-130	12		20
Chlorobenzene	106		92		75-130	14		20
Trichlorofluoromethane	87		78		62-150	11		20
1,2-Dichloroethane	94		81		70-130	15		20
1,1,1-Trichloroethane	89		80		67-130	11		20
Bromodichloromethane	92		80		67-130	14		20
trans-1,3-Dichloropropene	103		89		70-130	15		20
cis-1,3-Dichloropropene	90		78		70-130	14		20
1,1-Dichloropropene	88		78		70-130	12		20
Bromoform	91		76		54-136	18		20
1,1,2,2-Tetrachloroethane	100		85		67-130	16		20
Benzene	91		79		70-130	14		20
Toluene	104		93		70-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG675591-1 WG675591-2								
Ethylbenzene	106		93		70-130	13		20
Chloromethane	96		85		64-130	12		20
Bromomethane	86		75		39-139	14		20
Vinyl chloride	84		71		55-140	17		20
Chloroethane	83		70		55-138	17		20
1,1-Dichloroethene	87		77		61-145	12		20
trans-1,2-Dichloroethene	89		77		70-130	14		20
Trichloroethene	91		81		70-130	12		20
1,2-Dichlorobenzene	114		97		70-130	16		20
1,3-Dichlorobenzene	115		99		70-130	15		20
1,4-Dichlorobenzene	113		99		70-130	13		20
Methyl tert butyl ether	84		74		63-130	13		20
p/m-Xylene	108		96		70-130	12		20
o-Xylene	109		95		70-130	14		20
cis-1,2-Dichloroethene	92		81		70-130	13		20
Dibromomethane	90		78		70-130	14		20
1,2,3-Trichloropropane	99		84		64-130	16		20
Acrylonitrile	70		**59**	Q	70-130	17		20
Isopropyl Ether	91		81		70-130	12		20
tert-Butyl Alcohol	**69**	Q	**58**	Q	70-130	17		20
Styrene	110		98		70-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG675591-1 WG675591-2								
Dichlorodifluoromethane	84		79		36-147	6		20
Acetone	73		**50**	Q	58-148	**37**	Q	20
Carbon disulfide	73		67		51-130	9		20
2-Butanone	71		**53**	Q	63-138	**29**	Q	20
Vinyl acetate	85		75		70-130	13		20
4-Methyl-2-pentanone	78		65		59-130	18		20
2-Hexanone	94		69		57-130	**31**	Q	20
Bromochloromethane	88		78		70-130	12		20
2,2-Dichloropropane	90		80		63-133	12		20
1,2-Dibromoethane	92		79		70-130	15		20
1,3-Dichloropropane	102		89		70-130	14		20
1,1,1,2-Tetrachloroethane	107		92		64-130	15		20
Bromobenzene	112		96		70-130	15		20
n-Butylbenzene	117		102		53-136	14		20
sec-Butylbenzene	113		99		70-130	13		20
tert-Butylbenzene	111		97		70-130	13		20
o-Chlorotoluene	116		100		70-130	15		20
p-Chlorotoluene	113		99		70-130	13		20
1,2-Dibromo-3-chloropropane	86		72		41-144	18		20
Hexachlorobutadiene	110		101		63-130	9		20
Isopropylbenzene	110		96		70-130	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG675591-1 WG675591-2								
p-Isopropyltoluene	114		99		70-130	14		20
Naphthalene	94		82		70-130	14		20
n-Propylbenzene	111		98		69-130	12		20
1,2,3-Trichlorobenzene	103		89		70-130	15		20
1,2,4-Trichlorobenzene	108		94		70-130	14		20
1,3,5-Trimethylbenzene	114		101		64-130	12		20
1,2,4-Trimethylbenzene	116		100		70-130	15		20
Methyl Acetate	75		**67**	Q	70-130	11		20
Ethyl Acetate	75		**66**	Q	70-130	13		20
Cyclohexane	88		80		70-130	10		20
Ethyl-Tert-Butyl-Ether	89		79		70-130	12		20
Tertiary-Amyl Methyl Ether	86		76		66-130	12		20
1,4-Dioxane	91		68		56-162	**29**	Q	20
Freon-113	89		82		70-130	8		20
p-Diethylbenzene	116		100		70-130	15		20
p-Ethyltoluene	114		99		70-130	14		20
1,2,4,5-Tetramethylbenzene	115		100		70-130	14		20
Ethyl ether	84		75		59-134	11		20
trans-1,4-Dichloro-2-butene	93		77		70-130	19		20
Methyl cyclohexane	90		79		70-130	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG675591-1 WG675591-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	111		111		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	97		95		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-01	Date Collected:	03/11/14 14:00
Client ID:	MW-13A_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/12/14 10:56
Analytical Date:	03/17/14 13:02		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-01	Date Collected:	03/11/14 14:00
Client ID:	MW-13A_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	118		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-01	Date Collected:	03/11/14 14:00
Client ID:	MW-13A_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/12/14 10:59
Analytical Date:	03/13/14 23:39		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.39		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.20		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.34		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.06	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.13	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	0.11	J	ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.08	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.30		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.06	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	108		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-02	Date Collected:	03/11/14 10:30
Client ID:	MW-21_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/12/14 10:56
Analytical Date:	03/17/14 13:28		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	5.2		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-02	Date Collected:	03/11/14 10:30
Client ID:	MW-21_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	0.74	J	ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	101		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-02	Date Collected:	03/11/14 10:30
Client ID:	MW-21_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/12/14 10:59
Analytical Date:	03/14/14 02:44		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.8		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	1.7		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	2.3		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.38		ug/l	0.20	0.06	1
Benzo(a)pyrene	0.32		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.30		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.18	J	ug/l	0.20	0.07	1
Chrysene	0.33		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	1.0		ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.16	J	ug/l	0.20	0.07	1
Fluorene	3.0		ug/l	0.20	0.06	1
Phenanthrene	4.8		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	0.13	J	ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.21		ug/l	0.20	0.08	1
Pyrene	1.3		ug/l	0.20	0.06	1
2-Methylnaphthalene	1.0		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	118		10-120
4-Terphenyl-d14	105		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-03	Date Collected:	03/11/14 12:45
Client ID:	MW-22_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/12/14 10:56
Analytical Date:	03/17/14 13:55		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	5.6		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-03	Date Collected:	03/11/14 12:45
Client ID:	MW-22_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	106		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-03	Date Collected:	03/11/14 12:45
Client ID:	MW-22_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/12/14 10:59
Analytical Date:	03/14/14 00:04		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.32		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.30		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.77		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.15	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.20		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.13	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.11	J	ug/l	0.20	0.07	1
Chrysene	0.12	J	ug/l	0.20	0.05	1
Acenaphthylene	0.06	J	ug/l	0.20	0.05	1
Anthracene	0.12	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.11	J	ug/l	0.20	0.07	1
Fluorene	0.18	J	ug/l	0.20	0.06	1
Phenanthrene	0.37		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.15	J	ug/l	0.20	0.08	1
Pyrene	0.32		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.14	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	92		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-04	Date Collected:	03/11/14 15:35
Client ID:	MW-24_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/12/14 10:56
Analytical Date:	03/17/14 14:22		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-04	Date Collected:	03/11/14 15:35
Client ID:	MW-24_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	89		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-04	Date Collected:	03/11/14 15:35
Client ID:	MW-24_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	03/12/14 10:59
Analytical Date:	03/14/14 00:29		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.23		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.21		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.36		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.09	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.16	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.10	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.10	J	ug/l	0.20	0.07	1
Chrysene	0.08	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.10	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.07	J	ug/l	0.20	0.07	1
Fluorene	0.18	J	ug/l	0.20	0.06	1
Phenanthrene	0.51		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.13	J	ug/l	0.20	0.08	1
Pyrene	0.18	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.16	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	101		15-120
2,4,6-Tribromophenol	118		10-120
4-Terphenyl-d14	103		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/17/14 11:41
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/12/14 10:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG675014-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/17/14 11:41
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/12/14 10:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG675014-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	84		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/14/14 01:30
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 03/12/14 10:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG675015-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/14/14 01:30
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 03/12/14 10:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG675015-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	92		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG675014-2 WG675014-3								
1,2,4-Trichlorobenzene	63		63		39-98	0		30
Bis(2-chloroethyl)ether	59		61		40-140	3		30
1,2-Dichlorobenzene	56		60		40-140	7		30
1,3-Dichlorobenzene	54		57		40-140	5		30
1,4-Dichlorobenzene	54		57		36-97	5		30
3,3'-Dichlorobenzidine	72		76		40-140	5		30
2,4-Dinitrotoluene	95		**100**	Q	24-96	5		30
2,6-Dinitrotoluene	96		100		40-140	4		30
4-Chlorophenyl phenyl ether	77		82		40-140	6		30
4-Bromophenyl phenyl ether	87		91		40-140	4		30
Bis(2-chloroisopropyl)ether	51		54		40-140	6		30
Bis(2-chloroethoxy)methane	65		69		40-140	6		30
Hexachlorocyclopentadiene	**34**	Q	**36**	Q	40-140	6		30
Isophorone	65		67		40-140	3		30
Nitrobenzene	69		68		40-140	1		30
NitrosoDiPhenylAmine(NDPA)/DPA	80		83		40-140	4		30
n-Nitrosodi-n-propylamine	63		65		29-132	3		30
Bis(2-Ethylhexyl)phthalate	77		80		40-140	4		30
Butyl benzyl phthalate	81		86		40-140	6		30
Di-n-butylphthalate	76		81		40-140	6		30
Di-n-octylphthalate	78		81		40-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG675014-2 WG675014-3								
Diethyl phthalate	80		82		40-140	2		30
Dimethyl phthalate	79		82		40-140	4		30
Biphenyl	68		69			1		30
4-Chloroaniline	49		52		40-140	6		30
2-Nitroaniline	102		104		52-143	2		30
3-Nitroaniline	66		71		25-145	7		30
4-Nitroaniline	77		82		51-143	6		30
Dibenzofuran	74		76		40-140	3		30
1,2,4,5-Tetrachlorobenzene	67		70		2-134	4		30
Acetophenone	71		72		39-129	1		30
2,4,6-Trichlorophenol	95		93		30-130	2		30
P-Chloro-M-Cresol	86		88		23-97	2		30
2-Chlorophenol	66		70		27-123	6		30
2,4-Dichlorophenol	81		81		30-130	0		30
2,4-Dimethylphenol	69		71		30-130	3		30
2-Nitrophenol	87		93		30-130	7		30
4-Nitrophenol	47		51		10-80	8		30
2,4-Dinitrophenol	109		116		20-130	6		30
4,6-Dinitro-o-cresol	113		119		20-164	5		30
Phenol	30		31		12-110	3		30
2-Methylphenol	59		63		30-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG675014-2 WG675014-3								
3-Methylphenol/4-Methylphenol	59		62		30-130	5		30
2,4,5-Trichlorophenol	98		101		30-130	3		30
Benzoic Acid	42		46			9		30
Benzyl Alcohol	54		59			9		30
Carbazole	75		79		55-144	5		30
Benzaldehyde	67		71		40-140	6		30
Caprolactam	22		23		10-130	4		30
Atrazine	94		98		40-140	4		30
2,3,4,6-Tetrachlorophenol	93		94		54-145	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	42		45		21-120
Phenol-d6	29		31		10-120
Nitrobenzene-d5	72		77		23-120
2-Fluorobiphenyl	77		78		15-120
2,4,6-Tribromophenol	92		96		10-120
4-Terphenyl-d14	83		87		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG675015-2 WG675015-3								
Acenaphthene	96		88		37-111	9		40
2-Chloronaphthalene	92		84		40-140	9		40
Fluoranthene	120		121		40-140	1		40
Hexachlorobutadiene	80		70		40-140	13		40
Naphthalene	90		82		40-140	9		40
Benzo(a)anthracene	124		121		40-140	2		40
Benzo(a)pyrene	100		102		40-140	2		40
Benzo(b)fluoranthene	104		110		40-140	6		40
Benzo(k)fluoranthene	108		102		40-140	6		40
Chrysene	108		105		40-140	3		40
Acenaphthylene	104		96		40-140	8		40
Anthracene	108		107		40-140	1		40
Benzo(ghi)perylene	103		108		40-140	5		40
Fluorene	104		93		40-140	11		40
Phenanthrene	104		102		40-140	2		40
Dibenzo(a,h)anthracene	103		106		40-140	3		40
Indeno(1,2,3-cd)Pyrene	105		109		40-140	4		40
Pyrene	115		116		26-127	1		40
2-Methylnaphthalene	95		87		40-140	9		40
Pentachlorophenol	102		**105**	Q	9-103	3		40
Hexachlorobenzene	104		100		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1405076

Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG675015-2 WG675015-3								
Hexachloroethane	83		74		40-140	11		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		51		21-120
Phenol-d6	37		33		10-120
Nitrobenzene-d5	96		88		23-120
2-Fluorobiphenyl	90		83		15-120
2,4,6-Tribromophenol	106		101		10-120
4-Terphenyl-d14	101		103		41-149

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-01	Date Collected:	03/11/14 14:00
Client ID:	MW-13A_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/14/14 01:50
Analytical Date:	03/15/14 17:40	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/15/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-02	Date Collected:	03/11/14 10:30
Client ID:	MW-21_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/14/14 01:50
Analytical Date:	03/15/14 17:53	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/15/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-03	Date Collected:	03/11/14 12:45
Client ID:	MW-22_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/14/14 01:50
Analytical Date:	03/15/14 18:06	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/15/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-04	Date Collected:	03/11/14 15:35
Client ID:	MW-24_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/14/14 01:50
Analytical Date:	03/15/14 18:19	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	03/15/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	03/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1405076

Report Date: 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/15/14 18:59
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/14/14 01:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/15/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/15/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG675471-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	138		30-150	A
Decachlorobiphenyl	117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	147		30-150	B
Decachlorobiphenyl	103		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG675471-2 WG675471-3									
Aroclor 1016	69		69		40-140	0		50	A
Aroclor 1260	70		62		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		54		30-150	A
Decachlorobiphenyl	33		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		55		30-150	B
Decachlorobiphenyl	**27**	Q	61		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-01	Date Collected:	03/11/14 14:00
Client ID:	MW-13A_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/14/14 13:39
Analytical Date:	03/17/14 15:21	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-01	Date Collected:	03/11/14 14:00
Client ID:	MW-13A_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/12/14 06:56
Analytical Date:	03/13/14 15:39	Methylation Date:	03/13/14 12:22
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	88		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-02	Date Collected:	03/11/14 10:30
Client ID:	MW-21_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/14/14 13:39
Analytical Date:	03/17/14 15:35	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-02	Date Collected:	03/11/14 10:30
Client ID:	MW-21_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/12/14 06:56
Analytical Date:	03/13/14 16:00	Methylation Date:	03/13/14 12:22
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	88		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-03	Date Collected:	03/11/14 12:45
Client ID:	MW-22_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/14/14 13:39
Analytical Date:	03/17/14 15:48	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-03	Date Collected:	03/11/14 12:45
Client ID:	MW-22_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/12/14 06:56
Analytical Date:	03/13/14 16:20	Methylation Date:	03/13/14 12:22
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-04	Date Collected:	03/11/14 15:35
Client ID:	MW-24_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/14/14 13:39
Analytical Date:	03/17/14 16:01	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

SAMPLE RESULTS

Lab ID:	L1405076-04	Date Collected:	03/11/14 15:35
Client ID:	MW-24_031114	Date Received:	03/11/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/12/14 06:56
Analytical Date:	03/13/14 16:40	Methylation Date:	03/13/14 12:22
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	91		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/13/14 14:39
Analyst: GP

Extraction Method: EPA 8151A
Extraction Date: 03/12/14 06:56

Methylation Date: 03/13/14 12:22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG674938-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	90		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/17/14 15:08
Analyst: SS

Extraction Method: EPA 3510C
Extraction Date: 03/14/14 13:39
Cleanup Method1: EPA 3620B
Cleanup Date1: 03/14/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG675608-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG674938-2 WG674938-3									
2,4-D	122		122		30-150	0		25	A
2,4,5-T	98		99		30-150	1		25	A
2,4,5-TP (Silvex)	96		94		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	82		81		30-150	A
DCAA	92		91		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG675608-2 WG675608-3									
Delta-BHC	71		69		30-150	3		20	A
Lindane	72		69		30-150	4		20	A
Alpha-BHC	74		71		30-150	4		20	A
Beta-BHC	68		66		30-150	3		20	A
Heptachlor	76		72		30-150	5		20	A
Aldrin	76		73		30-150	5		20	A
Heptachlor epoxide	75		73		30-150	3		20	A
Endrin	84		80		30-150	4		20	A
Endrin ketone	71		67		30-150	7		20	A
Dieldrin	79		76		30-150	4		20	A
4,4'-DDE	79		77		30-150	4		20	A
4,4'-DDD	75		73		30-150	4		20	A
4,4'-DDT	87		82		30-150	6		20	A
Endosulfan I	77		74		30-150	3		20	A
Endosulfan II	75		72		30-150	5		20	A
Endosulfan sulfate	69		54		30-150	**25**	Q	20	A
Methoxychlor	74		68		30-150	8		20	A
cis-Chlordane	73		70		30-150	5		20	A
trans-Chlordane	74		72		30-150	3		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1405076

Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG675608-2 WG675608-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		61		30-150	A
Decachlorobiphenyl	76		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		57		30-150	B
Decachlorobiphenyl	97		85		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-01
Client ID: MW-13A_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 14:00
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0308	J	mg/l	0.0400	0.00800	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Antimony, Total	0.00179	J	mg/l	0.00800	0.00040	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00923		mg/l	0.00200	0.00080	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Barium, Total	0.04712		mg/l	0.00200	0.00040	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00200	0.00040	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00082		mg/l	0.00080	0.00020	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Calcium, Total	885.		mg/l	4.00	1.28	40	03/13/14 09:31	03/15/14 01:00	EPA 3005A	1,6020A	BM
Chromium, Total	0.00201	J	mg/l	0.00400	0.00080	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00441		mg/l	0.00200	0.00040	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Copper, Total	0.00153	J	mg/l	0.00400	0.00040	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Iron, Total	8.96		mg/l	0.200	0.0520	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Lead, Total	0.00433		mg/l	0.00400	0.00080	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Magnesium, Total	108.		mg/l	0.280	0.0920	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Manganese, Total	0.8492		mg/l	0.00200	0.00040	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/12/14 09:05	03/12/14 13:01	EPA 7470A	1,7470A	AK
Nickel, Total	0.02546		mg/l	0.00200	0.00040	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Potassium, Total	29.9		mg/l	0.400	0.108	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Selenium, Total	0.0187	J	mg/l	0.0200	0.00120	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00160	0.00040	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Sodium, Total	578.		mg/l	4.00	0.600	40	03/13/14 09:31	03/15/14 01:00	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00200	0.00012	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00065	J	mg/l	0.02000	0.00040	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Zinc, Total	0.1168		mg/l	0.04000	0.00480	4	03/13/14 09:31	03/15/14 00:04	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0400	0.00800	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Antimony, Dissolved	0.01782		mg/l	0.01200	0.00040	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Arsenic, Dissolved	0.00189	J	mg/l	0.00200	0.00080	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Barium, Dissolved	0.04124		mg/l	0.00200	0.00040	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00200	0.00040	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Cadmium, Dissolved	0.00025	J	mg/l	0.00080	0.00020	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1405076
Project Number: 170229002
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-01
Client ID: MW-13A_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 14:00
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	831.		mg/l	10.0	3.20	100	03/18/14 15:45	03/18/14 16:57	NA	1,6020A	KL
Chromium, Dissolved	ND		mg/l	0.00400	0.00080	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Cobalt, Dissolved	0.00376		mg/l	0.00080	0.00040	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00400	0.00040	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.200	0.0520	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00400	0.00080	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Magnesium, Dissolved	117.		mg/l	7.00	2.30	100	03/18/14 15:45	03/18/14 16:57	NA	1,6020A	KL
Manganese, Dissolved	0.7504		mg/l	0.00200	0.00040	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/12/14 13:16	03/12/14 16:34	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.02015		mg/l	0.00200	0.00040	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Potassium, Dissolved	31.3		mg/l	0.400	0.108	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Selenium, Dissolved	0.0124	J	mg/l	0.0200	0.00120	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00160	0.00040	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Sodium, Dissolved	571.		mg/l	10.0	1.50	100	03/18/14 15:45	03/18/14 16:57	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00200	0.00012	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.02000	0.00040	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL
Zinc, Dissolved	0.08216		mg/l	0.04000	0.00480	4	03/18/14 15:45	03/18/14 17:01	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-02
Client ID: MW-21_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 10:30
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.154		mg/l	0.0100	0.00200	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Antimony, Total	0.00027	J	mg/l	0.00200	0.00010	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00324		mg/l	0.00050	0.00020	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Barium, Total	0.1472		mg/l	0.00050	0.00010	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Calcium, Total	201.		mg/l	2.00	0.640	20	03/13/14 09:31	03/15/14 00:17	EPA 3005A	1,6020A	BM
Chromium, Total	0.00302		mg/l	0.00100	0.00020	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00045	J	mg/l	0.00050	0.00010	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Copper, Total	0.00131		mg/l	0.00100	0.00010	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Iron, Total	11.1		mg/l	0.0500	0.0130	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Lead, Total	0.01465		mg/l	0.00100	0.00020	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Magnesium, Total	53.9		mg/l	1.40	0.460	20	03/13/14 09:31	03/15/14 00:17	EPA 3005A	1,6020A	BM
Manganese, Total	0.9878		mg/l	0.01000	0.00200	20	03/13/14 09:31	03/15/14 00:17	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/12/14 09:05	03/12/14 13:03	EPA 7470A	1,7470A	AK
Nickel, Total	0.00358		mg/l	0.00050	0.00010	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Potassium, Total	17.2		mg/l	0.100	0.0270	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Selenium, Total	0.00383	J	mg/l	0.00500	0.00030	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Sodium, Total	304.		mg/l	2.00	0.300	20	03/13/14 09:31	03/15/14 00:17	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00084	J	mg/l	0.00500	0.00010	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Zinc, Total	0.00864	J	mg/l	0.01000	0.00120	1	03/13/14 09:31	03/15/14 00:10	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Antimony, Dissolved	0.01199		mg/l	0.00300	0.00010	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Arsenic, Dissolved	0.00059		mg/l	0.00050	0.00020	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Barium, Dissolved	0.1083		mg/l	0.00050	0.00010	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1405076
Project Number: 170229002
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-02
Client ID: MW-21_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 10:30
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	264.		mg/l	2.00	0.640	20	03/18/14 15:45	03/18/14 17:41	NA	1,6020A	KL
Chromium, Dissolved	0.00031	J	mg/l	0.00100	0.00020	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Cobalt, Dissolved	0.00011	J	mg/l	0.00020	0.00010	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Magnesium, Dissolved	69.8		mg/l	1.40	0.460	20	03/18/14 15:45	03/18/14 17:41	NA	1,6020A	KL
Manganese, Dissolved	1.208		mg/l	0.01000	0.00200	20	03/18/14 15:45	03/18/14 17:41	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/12/14 13:16	03/12/14 16:35	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00099		mg/l	0.00050	0.00010	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Potassium, Dissolved	18.4		mg/l	0.100	0.0270	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Selenium, Dissolved	0.00032	J	mg/l	0.00500	0.00030	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Sodium, Dissolved	427.		mg/l	2.00	0.300	20	03/18/14 15:45	03/18/14 17:41	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	03/18/14 15:45	03/18/14 17:30	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-03
Client ID: MW-22_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 12:45
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.0797		mg/l	0.0200	0.00400	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Antimony, Total	0.00146	J	mg/l	0.00400	0.00020	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Arsenic, Total	0.01133		mg/l	0.00100	0.00040	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Barium, Total	0.1206		mg/l	0.00100	0.00020	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00100	0.00020	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00040	0.00010	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Calcium, Total	187.		mg/l	2.00	0.640	20	03/13/14 09:31	03/15/14 00:29	EPA 3005A	1,6020A	BM
Chromium, Total	0.03622		mg/l	0.00200	0.00040	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00619		mg/l	0.00100	0.00020	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Copper, Total	0.00186	J	mg/l	0.00200	0.00020	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Iron, Total	1.97		mg/l	0.100	0.0260	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Lead, Total	0.01070		mg/l	0.00200	0.00040	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Magnesium, Total	43.4		mg/l	0.140	0.0460	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Manganese, Total	1.023		mg/l	0.01000	0.00200	20	03/13/14 09:31	03/15/14 00:29	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/12/14 09:05	03/12/14 13:05	EPA 7470A	1,7470A	AK
Nickel, Total	0.03866		mg/l	0.00100	0.00020	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Potassium, Total	14.3		mg/l	0.200	0.0540	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Selenium, Total	0.00427	J	mg/l	0.0100	0.00060	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00080	0.00020	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Sodium, Total	310.		mg/l	2.00	0.300	20	03/13/14 09:31	03/15/14 00:29	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00100	0.00006	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00085	J	mg/l	0.01000	0.00020	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Zinc, Total	0.1192		mg/l	0.02000	0.00240	2	03/13/14 09:31	03/15/14 00:23	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0200	0.00400	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Antimony, Dissolved	0.00728		mg/l	0.00600	0.00020	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Arsenic, Dissolved	0.00593		mg/l	0.00100	0.00040	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Barium, Dissolved	0.1164		mg/l	0.00100	0.00020	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00100	0.00020	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00040	0.00010	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1405076
Project Number: 170229002
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-03
Client ID: MW-22_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 12:45
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	177.		mg/l	10.0	3.20	100	03/18/14 15:45	03/18/14 17:56	NA	1,6020A	KL
Chromium, Dissolved	ND		mg/l	0.00200	0.00040	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Cobalt, Dissolved	0.00626		mg/l	0.00040	0.00020	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Copper, Dissolved	0.00021	J	mg/l	0.00200	0.00020	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.100	0.0260	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00200	0.00040	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Magnesium, Dissolved	46.9		mg/l	7.00	2.30	100	03/18/14 15:45	03/18/14 17:56	NA	1,6020A	KL
Manganese, Dissolved	1.037		mg/l	0.05000	0.01000	100	03/18/14 15:45	03/18/14 17:56	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/12/14 13:16	03/12/14 16:37	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.02688		mg/l	0.00100	0.00020	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Potassium, Dissolved	13.7		mg/l	0.200	0.0540	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Selenium, Dissolved	0.00269	J	mg/l	0.0100	0.00060	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Silver, Dissolved	0.00020	J	mg/l	0.00080	0.00020	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Sodium, Dissolved	237.		mg/l	10.0	1.50	100	03/18/14 15:45	03/18/14 17:56	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00100	0.00006	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Vanadium, Dissolved	0.00034	J	mg/l	0.01000	0.00020	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL
Zinc, Dissolved	0.09258		mg/l	0.02000	0.00240	2	03/18/14 15:45	03/18/14 17:48	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1405076
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-04
Client ID: MW-24_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 15:35
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.177		mg/l	0.0200	0.00400	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Antimony, Total	0.00032	J	mg/l	0.00400	0.00020	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00432		mg/l	0.00100	0.00040	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Barium, Total	0.1930		mg/l	0.00100	0.00020	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00100	0.00020	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00040	0.00010	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Calcium, Total	173.		mg/l	2.00	0.640	20	03/13/14 09:31	03/15/14 00:42	EPA 3005A	1,6020A	BM
Chromium, Total	0.00117	J	mg/l	0.00200	0.00040	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Cobalt, Total	0.00059	J	mg/l	0.00100	0.00020	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Copper, Total	0.00064	J	mg/l	0.00200	0.00020	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Iron, Total	3.22		mg/l	0.100	0.0260	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Lead, Total	0.00423		mg/l	0.00200	0.00040	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Magnesium, Total	59.3		mg/l	0.140	0.0460	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Manganese, Total	0.9014		mg/l	0.01000	0.00200	20	03/13/14 09:31	03/15/14 00:42	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/12/14 09:05	03/12/14 13:07	EPA 7470A	1,7470A	AK
Nickel, Total	0.00523		mg/l	0.00100	0.00020	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Potassium, Total	25.3		mg/l	0.200	0.0540	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Selenium, Total	0.00510	J	mg/l	0.0100	0.00060	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00080	0.00020	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Sodium, Total	461.		mg/l	2.00	0.300	20	03/13/14 09:31	03/15/14 00:42	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00100	0.00006	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Vanadium, Total	0.00137	J	mg/l	0.01000	0.00020	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Zinc, Total	0.00679	J	mg/l	0.02000	0.00240	2	03/13/14 09:31	03/15/14 00:35	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0200	0.00400	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Antimony, Dissolved	0.00612		mg/l	0.00600	0.00020	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Arsenic, Dissolved	0.00185		mg/l	0.00100	0.00040	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Barium, Dissolved	0.1604		mg/l	0.00100	0.00020	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00100	0.00020	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00040	0.00010	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1405076
Project Number: 170229002
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-04
Client ID: MW-24_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 15:35
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	168.		mg/l	10.0	3.20	100	03/18/14 15:45	03/18/14 18:07	NA	1,6020A	KL
Chromium, Dissolved	ND		mg/l	0.00200	0.00040	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Cobalt, Dissolved	0.00028	J	mg/l	0.00040	0.00020	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00200	0.00020	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.100	0.0260	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00200	0.00040	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Magnesium, Dissolved	68.2		mg/l	7.00	2.30	100	03/18/14 15:45	03/18/14 18:07	NA	1,6020A	KL
Manganese, Dissolved	0.9186		mg/l	0.00100	0.00020	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/12/14 13:16	03/12/14 16:06	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00280		mg/l	0.00100	0.00020	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Potassium, Dissolved	26.9		mg/l	0.200	0.0540	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Selenium, Dissolved	0.00112	J	mg/l	0.0100	0.00060	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00080	0.00020	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Sodium, Dissolved	490.		mg/l	10.0	1.50	100	03/18/14 15:45	03/18/14 18:07	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00100	0.00006	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Vanadium, Dissolved	0.00081	J	mg/l	0.01000	0.00020	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.02000	0.00240	2	03/18/14 15:45	03/18/14 17:52	NA	1,6020A	KL

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG674948-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/12/14 09:05	03/12/14 12:38	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG675039-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	03/12/14 13:16	03/12/14 16:03	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG675247-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Antimony, Total	ND		mg/l	0.00200	0.00010	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Chromium, Total	0.00035	J	mg/l	0.00100	0.00020	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Manganese, Total	ND		mg/l	0.00050	0.00010	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	0.00010	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

Method Blank Analysis
Batch Quality Control

Selenium, Total	ND		mg/l	0.00500	0.00030	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Sodium, Total	0.0222	J	mg/l	0.100	0.0150	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	03/13/14 09:31	03/14/14 22:49	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG676282-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Antimony, Dissolved	0.00291	J	mg/l	0.00300	0.00010	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Chromium, Dissolved	0.00039	J	mg/l	0.00100	0.00020	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00010	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Copper, Dissolved	0.00030	J	mg/l	0.00100	0.00010	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Manganese, Dissolved	ND		mg/l	0.00050	0.00010	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Nickel, Dissolved	ND		mg/l	0.00050	0.00010	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Potassium, Dissolved	ND		mg/l	0.100	0.0270	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Sodium, Dissolved	0.0212	J	mg/l	0.100	0.0150	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	03/18/14 15:45	03/18/14 16:43	1,6020A	KL

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: NA

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG674948-2								
Mercury, Total	95		-		80-120	-		
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG675039-2								
Mercury, Dissolved	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG675247-2					
Aluminum, Total	110	-	80-120	-	
Antimony, Total	91	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	103	-	80-120	-	
Beryllium, Total	108	-	80-120	-	
Cadmium, Total	102	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	104	-	80-120	-	
Iron, Total	99	-	80-120	-	
Lead, Total	108	-	80-120	-	
Magnesium, Total	103	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	104	-	80-120	-	
Selenium, Total	100	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	103	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	98	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG675247-2					
Zinc, Total	107	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG676282-2					
Aluminum, Dissolved	106	-	80-120	-	
Antimony, Dissolved	90	-	80-120	-	
Arsenic, Dissolved	100	-	80-120	-	
Barium, Dissolved	93	-	80-120	-	
Beryllium, Dissolved	114	-	80-120	-	
Cadmium, Dissolved	103	-	80-120	-	
Calcium, Dissolved	98	-	80-120	-	
Chromium, Dissolved	94	-	80-120	-	
Cobalt, Dissolved	96	-	80-120	-	
Copper, Dissolved	98	-	80-120	-	
Iron, Dissolved	90	-	80-120	-	
Lead, Dissolved	92	-	80-120	-	
Magnesium, Dissolved	106	-	80-120	-	
Manganese, Dissolved	96	-	80-120	-	
Nickel, Dissolved	100	-	80-120	-	
Potassium, Dissolved	92	-	80-120	-	
Selenium, Dissolved	108	-	80-120	-	
Silver, Dissolved	96	-	80-120	-	
Sodium, Dissolved	83	-	80-120	-	
Thallium, Dissolved	91	-	80-120	-	
Vanadium, Dissolved	102	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG676282-2					
Zinc, Dissolved	99	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674948-3 WG674948-4 QC Sample: L1405072-06 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00213	**43**	Q	0.00206	**41**	Q	75-125	3		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675039-4 QC Sample: L1405076-04 Client ID: MW-24_031114												
Mercury, Dissolved	ND	0.005	0.00515	103		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675247-4 QC Sample: L1404989-01 Client ID: MS Sample									
Aluminum, Total	0.008J	2	2.17	108	-	-	75-125	-	20
Antimony, Total	0.0008	0.5	0.4537	90	-	-	75-125	-	20
Arsenic, Total	0.0005J	0.12	0.1237	103	-	-	75-125	-	20
Barium, Total	0.0122	2	2.038	101	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05131	103	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05138	101	-	-	75-125	-	20
Calcium, Total	9.86	10	19.4	95	-	-	75-125	-	20
Chromium, Total	0.0005J	0.2	0.1973	99	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.4901	98	-	-	75-125	-	20
Copper, Total	ND	0.25	0.2577	103	-	-	75-125	-	20
Iron, Total	0.053	1	1.03	98	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5471	107	-	-	75-125	-	20
Magnesium, Total	1.75	10	12.0	102	-	-	75-125	-	20
Manganese, Total	0.00392	0.5	0.4934	98	-	-	75-125	-	20
Nickel, Total	0.0004J	0.5	0.5157	103	-	-	75-125	-	20
Potassium, Total	2.46	10	12.7	102	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.118	98	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04999	100	-	-	75-125	-	20
Sodium, Total	42.1	10	53.9	118	-	-	75-125	-	20
Thallium, Total	0.00003J	0.12	0.1222	102	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4837	97	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675247-4 QC Sample: L1404989-01 Client ID: MS Sample									
Zinc, Total	0.01009	0.5	0.5408	106	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG676282-4 QC Sample: L1405076-02 Client ID: MW-21_031114										
Aluminum, Dissolved	ND	2	2.47	124		-	-	75-125	-	20
Antimony, Dissolved	0.01199	0.5	0.3588	**72**	Q	-	-	75-125	-	20
Arsenic, Dissolved	0.00059	0.12	0.1373	114		-	-	75-125	-	20
Barium, Dissolved	0.1083	2	2.360	111		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.06348	**127**	Q	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.06224	122		-	-	75-125	-	20
Calcium, Dissolved	264.	10	223	**0**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.00031J	0.2	0.2204	110		-	-	75-125	-	20
Cobalt, Dissolved	0.00011J	0.5	0.5612	112		-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.2810	112		-	-	75-125	-	20
Iron, Dissolved	ND	1	1.04	104		-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5492	108		-	-	75-125	-	20
Magnesium, Dissolved	69.8	10	73.3	**35**	Q	-	-	75-125	-	20
Manganese, Dissolved	1.208	0.5	1.623	83		-	-	75-125	-	20
Nickel, Dissolved	0.00099	0.5	0.5698	114		-	-	75-125	-	20
Potassium, Dissolved	18.4	10	15.7	**52**	Q	-	-	75-125	-	20
Selenium, Dissolved	0.00032J	0.12	0.155	**129**	Q	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05236	105		-	-	75-125	-	20
Sodium, Dissolved	427.	10	380	**0**	Q	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1263	105		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5928	118		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG676282-4 QC Sample: L1405076-02 Client ID: MW-21_031114									
Zinc, Dissolved	ND	0.5	0.5650	113	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675039-3 QC Sample: L1405076-04 Client ID: MW-24_031114						
Mercury, Dissolved	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675247-3 QC Sample: L1404989-01 Client ID: DUP Sample						
Lead, Total	ND	ND	mg/l	NC		20
Manganese, Total	0.00392	0.00392	mg/l	0		20
Zinc, Total	0.01009	0.00955J	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG676282-3 QC Sample: L1405076-01 Client ID: MW-13A_031114						
Calcium, Dissolved	831.	850	mg/l	2		20
Magnesium, Dissolved	117.	121	mg/l	3		20
Sodium, Dissolved	571.	581	mg/l	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG676282-3 QC Sample: L1405076-01 Client ID: MW-13A_031114					
Aluminum, Dissolved	ND	ND	mg/l	NC	20
Antimony, Dissolved	0.01782	0.01143J	mg/l	NC	20
Arsenic, Dissolved	0.00189J	0.00154J	mg/l	NC	20
Barium, Dissolved	0.04124	0.04248	mg/l	3	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.00025J	0.00026J	mg/l	NC	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	0.00376	0.00377	mg/l	0	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Manganese, Dissolved	0.7504	0.7328	mg/l	2	20
Nickel, Dissolved	0.02015	0.01939	mg/l	4	20
Potassium, Dissolved	31.3	31.2	mg/l	0	20
Selenium, Dissolved	0.0124J	0.0120J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.08216	0.08092	mg/l	2	20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-01
Client ID: MW-13A_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 14:00
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/18/14 12:55	107,-	DW
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	03/12/14 09:00	03/12/14 14:33	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/12/14 08:30	03/12/14 08:38	1,7196A	ML

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-02
Client ID: MW-21_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 10:30
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/18/14 12:55	107,-	DW
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	03/12/14 09:00	03/12/14 14:34	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/12/14 08:30	03/12/14 08:39	1,7196A	ML

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-03
Client ID: MW-22_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 12:45
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	0.036		mg/l	0.010	0.010	1	-	03/18/14 12:55	107,-	DW
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	03/12/14 09:00	03/12/14 14:35	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/12/14 08:30	03/12/14 08:39	1,7196A	ML

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

SAMPLE RESULTS

Lab ID: L1405076-04
Client ID: MW-24_031114
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 03/11/14 15:35
Date Received: 03/11/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/18/14 12:55	107,-	DW
Cyanide, Total	0.009		mg/l	0.005	0.001	1	03/12/14 09:00	03/12/14 14:35	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/12/14 08:30	03/12/14 08:40	1,7196A	ML

Project Name: GREENPOINT LANDING **Lab Number:** L1405076

Project Number: 170229002 **Report Date:** 03/18/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG674970-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/12/14 08:30	03/12/14 08:36	1,7196A	ML
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG675003-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/12/14 09:00	03/12/14 14:15	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG674970-2								
Chromium, Hexavalent	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG675003-2 WG675003-3								
Cyanide, Total	93		101		80-120	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674970-4 QC Sample: L1405076-03 Client ID: MW-22_031114												
Chromium, Hexavalent	ND	0.1	0.105	105		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG675003-4 WG675003-5 QC Sample: L1404992-02 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.194	97		0.196	98		80-120	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG674970-3 QC Sample: L1405076-01 Client ID: MW-13A_031114						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405076-01A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-01B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-01C	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-01D	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405076-01E	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405076-01F	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	HERB-APA(7)
L1405076-01G	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	HERB-APA(7)
L1405076-01H	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1405076-01I	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1405076-01J	Amber 500ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8081(7)
L1405076-01K	Amber 500ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8081(7)
L1405076-01L	Plastic 500ml unpreserved	A	7	2.2	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1405076-01M	Plastic 500ml HNO3 preserved	A	<2	2.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),TRICR-CALC(1),CO-6020T(180)
L1405076-01N	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	TCN-9010(14)
L1405076-01O	Plastic 500ml unpreserved	A	7	2.2	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405076-01X	Plastic 250ml HNO3 preserved spl	A	<2	2.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1405076-02A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-02B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-02C	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-02D	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405076-02E	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405076-02F	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	HERB-APA(7)
L1405076-02H	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1405076-02I	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1405076-02J	Amber 500ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8081(7)
L1405076-02K	Amber 500ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8081(7)
L1405076-02L	Plastic 500ml unpreserved	B	7	2.8	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1405076-02M	Plastic 500ml HNO3 preserved	B	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),TRICR-CALC(1),CO-6020T(180)
L1405076-02N	Plastic 250ml NaOH preserved	B	>12	2.8	Y	Absent	TCN-9010(14)
L1405076-02O	Plastic 500ml unpreserved	B	7	2.8	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405076-02X	Plastic 250ml HNO3 preserved spl	B	<2	2.8	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1405076-03A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-03B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-03C	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-03D	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405076-03E	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405076-03F	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	HERB-APA(7)
L1405076-03H	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1405076-03I	Amber 1000ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8082-1200ML(7)
L1405076-03J	Amber 500ml unpreserved	B	7	2.8	Y	Absent	NYTCL-8081(7)
L1405076-03L	Plastic 500ml unpreserved	B	7	2.8	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1405076-03M	Plastic 500ml HNO3 preserved	B	<2	2.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),TRICR-CALC(1),CO-6020T(180)
L1405076-03N	Plastic 250ml NaOH preserved	B	>12	2.8	Y	Absent	TCN-9010(14)
L1405076-03O	Amber 500ml unpreserved	B	7	2.8	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405076-03X	Plastic 250ml HNO3 preserved spl	B	<2	2.8	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1405076-04A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-04B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-04C	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-04D	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405076-04E	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1405076-04F	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	HERB-APA(7)
L1405076-04G	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	HERB-APA(7)
L1405076-04H	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1405076-04I	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1405076-04J	Amber 500ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8081(7)
L1405076-04K	Amber 500ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8081(7)
L1405076-04L	Plastic 500ml unpreserved	A	7	2.2	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1405076-04M	Plastic 500ml HNO3 preserved	A	<2	2.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),TRICR-CALC(1),CO-6020T(180)
L1405076-04N	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	TCN-9010(14)
L1405076-04O	Plastic 500ml unpreserved	A	7	2.2	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1405076
Report Date: 03/18/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1405076-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1405076-05A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-05B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1405076-06A	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	HOLD(14)
L1405076-07A	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	HOLD(14)

Container Comments

L1405076-01X

L1405076-02O

L1405076-02X

L1405076-03X

L1405076-04O

L1405076-04X

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1405076
Project Number:	170229002	**Report Date:**	03/18/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1405076
Project Number:	170229002	**Report Date:**	03/18/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1405076
Project Number: 170229002 **Report Date:** 03/18/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

revised 3/18/14 CW

GROUNDWATER

Serial_No:03181420:49

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/11/14

ALPHA Job #: L1405076

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan D.P.C.

Address:

Phone:

Fax:

Email: guy.kaelman@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2014148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/18/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:

1) Provide EDD's
2) Provide ASP Cat. B Deliverables

total and dissolved metals

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Tx/Tm VOCs	SVOCs	PCBs	Pesticides	Herbicides	Metals	Hex. Chrom.	Cyanide	Trivalent Chrom.			Sample Specific Comments	TOTAL # BOTTLES
05076-01	MW-13A_031114	3/11/14	14:00	GW	[illegible]	X	X	X	X	X	X	X	X	X			(6) 1L Amber (2) 5L Amber, (3) 1L Plastic (1) 5L Plastic (3) VOAs	
-02	MW-21_031114		10:30			X	X	X	X	X	X	X	X	X				
-03	MW-22_031114		12:45			X	X	X	X	X	X	X	X	X				
-04	MW-24_031114		15:35			X	X	X	X	X	X	X	X	X				
-05	GWBOS_031114	-	-	Aq.	-	X											(2) VOAs.	
	Sample1																	
	Sample2																	

Container Type															
Preservative															

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/11/14 1820	[signature]	3/11/14 1650
Tom Tohn	3-11-14 2240	Tom Tohn	3-11-14 1820
		[signature]	3/11/14 22:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

GROUNDWATER

Serial_No:03181420:49

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/11/14

ALPHA Job #: L1405076

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Langan D.P.C.

Address:

Phone:

Fax:

Email: guy.kaelman@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2014148

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/18/14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:

1) Provide EDD's
2) Provide ASP Cat. B Deliverables

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TO-15 VOCs	SVOCs	PCBs	Pesticides	Herbicides	Metals	Hex. Chrom.	Cyanide	Tri. Chrom.	Total # Bottles	Sample Specific Comments
05076-01	MW-13A_031114	3/11/14	14:00	GW	[illegible]	X	X	X	X	X	X	X	X	X		(6) 1L Amber (2) 5L Ambers, (3) 1L Plastic (1) 5L Plastic (3) VOAs
-02	MW-21_031114		10:30			X	X	X	X	X	X	X	X	X		
-03	MW-22_031114		12:45			X	X	X	X	X	X	X	X	X		
-04	MW-24_031114		15:35			X	X	X	X	X	X	X	X	X		
-05	GWBOS_031114	-	-	Aq.	-	X										(2) VOAs.

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/11/14 16:50	[signature]	3/11/14 1650
[signature]	3/11/14 1820	[signature]	3-11-14 1820
[signature]	3-11-14 2240	[signature]	3/11/14 22:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX L

ANALYTICAL LABORATORY CERTIFICATION

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Bacteriology	
Coliform, Total / E. coli (Qualitative)	SM 18-22 9223B (-97) (Colilert)
Standard Plate Count	SM 18-22 9215B (-00)
Drinking Water Metals I	
Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Drinking Water Metals II	
Aluminum, Total	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4
Drinking Water Metals II	
Beryllium, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Drinking Water Metals III	
Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4
Drinking Water Miscellaneous	
Organic Carbon, Total	SM 19-22 5310C (-00)
Perchlorate	EPA 332.0 Rev. 1
Turbidity	SM 18-22 2130 B (-01)
	EPA 180.1 Rev. 2.0
Drinking Water Non-Metals	
Alkalinity	SM 18-22 2320B (-97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 18-22 2120B (-01)
Cyanide	SM 18-22 4500-CN E (-99)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-22 4500-F C (-97)
Nitrate (as N)	SM 18-22 4500-NO3 F (-00)
Nitrite (as N)	SM 18-22 4500-NO3 F (-00)
Solids, Total Dissolved	SM 18-22 2540C (-97)

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

Drinking Water Non-Metals

Specific Conductance	SM 18-22 2510B (-97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1

Drinking Water Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2

Fuel Additives

Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2

Microextractibles

1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2

Volatile Aromatics

Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2

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All approved analytes are listed below:

Volatile Halocarbons

1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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All approved analytes are listed below:

Acrylates

Acrolein (Propenal)	EPA 8260C
	EPA 624
Acrylonitrile	EPA 8260C
	EPA 624
Ethyl methacrylate	EPA 8260C

Amines

1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 625
	EPA 8270D
Pyridine	EPA 625
	EPA 8270D

Bacteriology

Coliform, Fecal	SM 9221C,E-06
	SM 9222D-97,-11
Coliform, Total	SM 9221B-06
	SM 9222B-97,-11
Standard Plate Count	SM 18-21 9215B

Benzidines

3,3'-Dichlorobenzidine	EPA 625

Benzidines

3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 625
	EPA 8270D

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
	EPA 608
4,4'-DDE	EPA 8081B
	EPA 608
4,4'-DDT	EPA 8081B
	EPA 608
Aldrin	EPA 8081B
	EPA 608
alpha-BHC	EPA 8081B
	EPA 608
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
	EPA 608
Chlordane Total	EPA 8081B
	EPA 608
delta-BHC	EPA 8081B
	EPA 608
Dieldrin	EPA 8081B
	EPA 608
Endosulfan I	EPA 8081B
	EPA 608

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Chlorinated Hydrocarbon Pesticides

Endosulfan II	EPA 8081B
	EPA 608
Endosulfan sulfate	EPA 8081B
	EPA 608
Endrin	EPA 8081B
	EPA 608
Endrin aldehyde	EPA 8081B
	EPA 608
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
	EPA 608
Heptachlor epoxide	EPA 8081B
	EPA 608
Lindane	EPA 8081B
	EPA 608
Methoxychlor	EPA 8081B
	EPA 608
Toxaphene	EPA 8081B
	EPA 608

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D

Chlorinated Hydrocarbons

2-Chloronaphthalene	EPA 625
	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270D

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dinoseb	EPA 8151A

Demand

Biochemical Oxygen Demand	SM 5210B-01,-11
Carbonaceous BOD	SM 5210B-01,-11
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
	SM 5220D-97,-11

Fuel Oxygenates

Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8260C

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Fuel Oxygenates

Methyl tert-butyl ether	EPA 8260C
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260C

Haloethers

4-Bromophenylphenyl ether	EPA 625
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 625
	EPA 8270D

Low Level Polynuclear Aromatics

Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatics

Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM

Mineral

Acidity	SM 2310B-97,-11
Alkalinity	SM 2320B-97,-11
Chloride	EPA 300.0 Rev. 2.1
	SM 4500-Cl- E-97,-11
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 4500-F C-97,-11
Hardness, Total	EPA 200.7 Rev. 4.4
	SM 2340B-97,-11
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
	SM 4500-SO4 E-97,-11

Nitroaromatics and Isophorone

1,3-Dinitrobenzene	EPA 8270D
2,4-Dinitrotoluene	EPA 625
	EPA 8270D
2,6-Dinitrotoluene	EPA 625
	EPA 8270D
Isophorone	EPA 625

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Nitroaromatics and Isophorone

Isophorone	EPA 8270D
Nitrobenzene	EPA 625
	EPA 8270D

Nitrosoamines

N-Nitrosodimethylamine	EPA 625
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270D

Nutrient

Ammonia (as N)	SM 4500-NH3 H-97,-11
	EPA 350.1 Rev. 2.0
Kjeldahl Nitrogen, Total	EPA 351.1 Rev. 1978
	LACHAT 10-107-06-2
Nitrate (as N)	EPA 353.2 Rev. 2.0
	EPA 300.0 Rev. 2.1
	SM 4500-NO3 F-00,-11
Nitrite (as N)	EPA 353.2 Rev. 2.0
	SM 4500-NO3 F-00,-11
	SM 4500-NO2 B-00,-11
Orthophosphate (as P)	SM 4500-P E-99,-11
Phosphorus, Total	SM 4500-P E-99,-11

Organophosphate Pesticides

Atrazine	EPA 8270D
Parathion ethyl	EPA 8270D
Thionazin	EPA 8270D

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C

Phthalate Esters

Benzyl butyl phthalate	EPA 625
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Di-n-octyl phthalate	EPA 625
	EPA 8270D

Polychlorinated Biphenyls

PCB-1016	EPA 8082A
	EPA 608
PCB-1221	EPA 8082A
	EPA 608

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Polychlorinated Biphenyls

PCB-1232	EPA 8082A
	EPA 608
PCB-1242	EPA 8082A
	EPA 608
PCB-1248	EPA 8082A
	EPA 608
PCB-1254	EPA 8082A
	EPA 608
PCB-1260	EPA 8082A
	EPA 608
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A

Polynuclear Aromatics

Acenaphthene	EPA 625
	EPA 8270D
Acenaphthylene	EPA 625
	EPA 8270D
Anthracene	EPA 625
	EPA 8270D
Benzo(a)anthracene	EPA 625
	EPA 8270D
Benzo(a)pyrene	EPA 625
	EPA 8270D
Benzo(b)fluoranthene	EPA 625
	EPA 8270D

Polynuclear Aromatics

Benzo(ghi)perylene	EPA 625
	EPA 8270D
Benzo(k)fluoranthene	EPA 625
	EPA 8270D
Chrysene	EPA 625
	EPA 8270D
Dibenzo(a,h)anthracene	EPA 625
	EPA 8270D
Fluoranthene	EPA 625
	EPA 8270D
Fluorene	EPA 625
	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625
	EPA 8270D
Naphthalene	EPA 625
	EPA 8270D
Phenanthrene	EPA 625
	EPA 8270D
Pyrene	EPA 625
	EPA 8270D

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625

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Priority Pollutant Phenols

2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270D
2-Chlorophenol	EPA 625
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270D
2-Methylphenol	EPA 625
	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625
	EPA 8270D
Pentachlorophenol	EPA 625
	EPA 8270D
Phenol	EPA 625
	EPA 8270D

Residue

Solids, Total	SM 2540 B-97,-11
Solids, Total Dissolved	SM 2540 C-97,-11
Solids, Total Suspended	SM 2540 D-97,-11

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
	EPA 624
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
	EPA 624
1,4-Dichlorobenzene	EPA 8260C
	EPA 624

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Volatile Aromatics

2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
	EPA 624
Chlorobenzene	EPA 8260C
	EPA 624
Ethyl benzene	EPA 8260C
	EPA 624
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
	EPA 624
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
	EPA 624
Total Xylenes	EPA 8260C
	EPA 624

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C

Volatile Halocarbons

1,1,1-Trichloroethane	EPA 8260C
	EPA 624
1,1,2,2-Tetrachloroethane	EPA 8260C
	EPA 624
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
	EPA 624
1,1-Dichloroethane	EPA 8260C
	EPA 624
1,1-Dichloroethene	EPA 8260C
	EPA 624
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
	EPA 8011
1,2-Dibromoethane	EPA 8260C
	EPA 8011
1,2-Dichloroethane	EPA 8260C
	EPA 624
1,2-Dichloropropane	EPA 8260C
	EPA 624
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
	EPA 624
Bromochloromethane	EPA 8260C

Serial No.: 50511

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Volatile Halocarbons

Bromodichloromethane	EPA 8260C
	EPA 624
Bromoform	EPA 8260C
	EPA 624
Bromomethane	EPA 8260C
	EPA 624
Carbon tetrachloride	EPA 8260C
	EPA 624
Chloroethane	EPA 8260C
	EPA 624
Chloroform	EPA 8260C
	EPA 624
Chloromethane	EPA 8260C
	EPA 624
cis-1,2-Dichloroethene	EPA 8260C
	EPA 624
cis-1,3-Dichloropropene	EPA 8260C
	EPA 624
Dibromochloromethane	EPA 8260C
	EPA 624
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
	EPA 624
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
	EPA 624

Volatile Halocarbons

Tetrachloroethene	EPA 8260C
	EPA 624
trans-1,2-Dichloroethene	EPA 8260C
	EPA 624
trans-1,3-Dichloropropene	EPA 8260C
	EPA 624
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
	EPA 624
Trichlorofluoromethane	EPA 8260C
	EPA 624
Vinyl chloride	EPA 8260C
	EPA 624

Volatiles Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
n-Butanol	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Volatiles Organics

Vinyl acetate	EPA 8260C

Wastewater Metals I

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Calcium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Lead, Total	EPA 200.7 Rev. 4.4

Wastewater Metals I

Lead, Total	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Magnesium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Potassium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Sodium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A

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Wastewater Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Chromium VI	EPA 7196A
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A

Wastewater Metals II

Vanadium, Total	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4

Wastewater Metals III

Cobalt, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Tin, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Titanium, Total	EPA 200.7 Rev. 4.4

Wastewater Miscellaneous

Boron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Bromide	EPA 300.0 Rev. 2.1

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All approved analytes are listed below:

Wastewater Miscellaneous

Color	SM 2120B-01,-11
Cyanide, Total	SM 4500-CN E-99,-11
Formaldehyde	EPA 8315A
Oil and Grease Total Recoverable (HEM	EPA 1664A
	EPA 1664B
Organic Carbon, Total	SM 5310C-00,-11
Phenols	EPA 420.1 Rev. 1978
Silica, Dissolved	EPA 200.7 Rev. 4.4
Specific Conductance	EPA 120.1 Rev. 1982
	SM 2510B-97,-11
Sulfide (as S)	SM 4500-S2- D-00,-11
Surfactant (MBAS)	SM 5540C-00,-11
Total Petroleum Hydrocarbons	EPA 1664A
	EPA 1664B
Turbidity	SM 2130 B-01,-11
	EPA 180.1 Rev. 2.0

Sample Preparation Methods

	EPA 5030C
	SM 4500-CN B or C-99,-11
	EPA 9030B
	EPA 3005A
	EPA 3510C
	SM 4500-NH3 B-97,-11
	EPA 9010C

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Acrylates

Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Ethyl methacrylate	EPA 8260C

Amines

1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D

Benzidines

3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D

Characteristic Testing

Corrosivity	EPA 9040C
	EPA 9045D
Ignitability	EPA 1030
	EPA 1010A
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B

Chlorinated Hydrocarbon Pesticides

4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D

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All approved analytes are listed below:

Chlorinated Hydrocarbons

2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dinoseb	EPA 8151A

Haloethers

4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D

Low Level Polynuclear Aromatic Hydrocarbons

Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatic Hydrocarbons

Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM

Metals I

Barium, Total	EPA 6010C
	EPA 6020A
Cadmium, Total	EPA 6010C
	EPA 6020A
Calcium, Total	EPA 6010C
	EPA 6020A
Chromium, Total	EPA 6010C
	EPA 6020A
Copper, Total	EPA 6010C
	EPA 6020A
Iron, Total	EPA 6010C
	EPA 6020A
Lead, Total	EPA 6010C

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All approved analytes are listed below:

Metals I

Lead, Total	EPA 6020A
Magnesium, Total	EPA 6010C
	EPA 6020A
Manganese, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
	EPA 6020A
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C
	EPA 6020A

Metals II

Aluminum, Total	EPA 6010C
	EPA 6020A
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C

Metals II

Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 6010C
	EPA 6020A

Metals III

Cobalt, Total	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 6010C
	EPA 6020A
Tin, Total	EPA 6010C

Minerals

Chloride	EPA 9251
Sulfate (as SO4)	EPA 9038

Miscellaneous

Boron, Total	EPA 6010C
Cyanide, Total	EPA 9014
	EPA 9012B
Phenols	EPA 9065
Specific Conductance	EPA 9050A

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270D

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Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8330A
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D

Organophosphate Pesticides

Parathion ethyl	EPA 8270D

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C

Phthalate Esters

Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D

Polychlorinated Biphenyls

PCB-1016	EPA 8082A

Polychlorinated Biphenyls

PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D

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Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D

Semi-Volatile Organics

Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C

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All approved analytes are listed below:

Volatile Aromatics

tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C

Volatile Halocarbons

Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C

Volatile Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C

Serial No.: 50512

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COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Organics

Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
n-Butanol	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 3580A
EPA 9030B
EPA 3005A
EPA 3050B
EPA 3540C
EPA 3546
EPA 9010C

Serial No.: 50512

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REMEDIAL INVESTIGATION WORK PLAN

for

Greenpoint Landing
Brooklyn, New York
OER Project #13EH-N466K

E-Designation E-138
CEQR Number 04DCP003K
Greenpoint-Williamsburg Rezoning

Prepared For:

Greenpoint Landing Associates, LLC
535 Madison Avenue
New York, NY 10022

Prepared By:

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New York, New York 10001

LANGAN

July 24, 2013
170229002

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LIST OF ACRONYMS

Acronym	Definition
AST	Aboveground Storage Tank
CAMP	Community Air Monitoring Plan
C&D	Construction & Demolition
CEQR	City Environmental Quality Review
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
CO	Certificate of Occupancy
CPC	City Planning Commission
DSNY	Department of Sanitation
“E”	E-Designation
EAS	Environmental Assessment Statement
EIS	Environmental Impact Statement
ESA	Environmental Site Assessment
EC/IC	Engineering Control and Institutional Control
ELAP	Environmental Laboratory Accreditation Program
FDNY	New York City Fire Department
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations Emergency Response
IDW	Investigation Derived Waste
Notice - NNO	Notice of No Objection
Notice - NTP	Notice To Proceed
Notice - NOS	Notice Of Satisfaction
Notice - FNOS	Final Notice of Satisfaction
NYC BSA	New York City Board of Standards and Appeals
NYC DCP	New York City Department of City Planning
NYC DEP	New York City Department of Environmental Protection
NYC DOB	New York City Department of Buildings
NYC DOF	New York City Department of Finance
NYC HPD	New York City Housing Preservation and Development
NYCRR	New York Codes Rules and Regulations

NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DEC PBS	New York State Department of Environmental Conservation Petroleum Bulk Storage
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
OSHA	United States Occupational Health and Safety Administration
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PID	Photo Ionization Detector
PM	Particulate Matter
QEP	Qualified Environmental Professional
RA	Register Architect
RAP	Remedial Action Plan
RCA	Recycled Concrete Aggregate
RCR	Remedial Closure Report
RD	Restrictive Declaration
RI	Remedial Investigation
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SSDS	Sub-Slab Depressurization System
SVOCs	Semi-Volatile Organic Compounds
USCS	Unified Soil Classification System
USGS	United States Geological Survey
UST	Underground Storage Tank
TAL	Target Analyte List
TCL	Target Compound List
TCO	Temporary Certificate of Occupancy
VB	Vapor Barrier
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

This Remedial Investigation Work Plan (RIWP) and Health and Safety Plan (HASP) have been developed for the Greenpoint Landing development site located at 171 West Street in the Greenpoint section of Brooklyn, New York (the site) on behalf of Greenpoint Landing Associates, LLC (GLA). This project has been assigned OER Project Number 13EH-N466K by the New York City Office of Environmental Remediation (OER). The remedial investigation will begin on the first six parcels (E3, D1, D2, F, G and H) of the Greenpoint Landing development site based on GLA's development schedule.

This RIWP describes the proposed investigation to supplement the findings of previous studies and assess potential impacts from hydraulically up-gradient and off-site potential sources of contamination (including the NuHart State Superfund Site), as well as to evaluate soil, groundwater and soil vapor quality across the site to satisfy OER requirements.

An E-Designation for Hazardous Materials and Noise (E-138) was placed on the site by the New York City Department of City Planning (DCP) as part of the May 11, 2005 Greenpoint-Williamsburg Rezoning (CEQR 04DCP003K). The site-specific HASP (Appendix A) addresses potential hazards, contaminants of concern based on past use and safety requirements associated with investigation activities in accordance with ASTM and OSHA guidelines.

1.1 Site Location and Current Usage

The site is located in the Greenpoint section of Brooklyn, New York and is identified as the upland portions of as Block 2472 (Lots 2, 100, and the southern portion of Lot 32), Block 2494 (Lots 1, 6), Block 2502 (Lot 1), Block 2510 (Lot 1), and Block 2520 (Lot 57) on the New York City Tax Map. Lot 1 of Block 2494 and Lot 32 of Block 2472 are currently owned by the City of New York; however, GLA is currently in negotations to purchase the entirety of Lot 1 and the southern portion of Lot 32 and expects to redevelop the properties as part of Greenpoint Landing. The northern portion of Lot 32 will remain under the ownership of the City of New York and be redeveloped into a city park by the New York City Department of Parks and Recreation (DPR). A Site Location Map is provided as Figure 1. The following block and lots are assigned with Hazardous Materials and Noise E-Designations: Block 2472 (Lots 2, 32, 100), Block 2494 (Lots 1, 6), Block 2502 (Lot 1), Block 2510 (Lot 1), Block 2520 (Lot 57). The site is about 19 acres (about 894,000 square feet [SF]) and includes mostly waterfront blocks along West and Commercial Streets, between Green and Clay Streets.

Certain tax lots will be subdivided as part of the redevelopment. Lot 32 of Block 2472 will be subdivided into two lots; the southern portion of the lot will be redeveloped as part of Greenpoint Landing and the northern portion of the lot will be redeveloped into a city park by the DPR. The specific terms of all other potential subdivisions have not been finalized at this time.

The majority of the site is asphalt paved. A small two-story brick office building and a corrugated metal garage are located on Block 2520 (Lot 57) and a one-story brick automobile repair shop is located on Block 2494 (Lot 1). The bulk of the site is used for storage of construction materials and equipment, such as cranes and scaffolding. The site also includes a small parcel of land owned by the New York City Department of Environmental Protection (DEP), which is located on Block 2494 (Lot 6). The DEP-owned land is improved with a sludge storage tank, an element of the Newtown Creek Water Pollution Control Plan, which is scheduled for demolition in 2014. The current layout of tax blocks and lots at the site is provided as Figure 2.

The following regulatory agency project numbers are associated with the site:

- Department of City Planning – CEQR 04DCP003K (E-138);
- NYSDEC Spill No.: 01-06864 (Closed 12/06/2005); and
- NYSDEC Spill No.: 12-05458 (Closed 10/10/2012).

1.2 Proposed Redevelopment Plan

The project is a large-scale redevelopment including the construction of residential (market and affordable housing) buildings, a public elementary and middle school, new street infrastructure, a public promenade along the East River, public open space, a redesigned Green Street pier, a marina, as well as bulkhead reconstruction and shoreline stabilization. The current zoning designations for the site are R-6, R-8 and C2-4.

The project is divided into three site areas, which are further subdivided into lettered parcels. The layout of the proposed parcels is provided as Figure 3. A summary table of the parcels and their respective areas is provided below.

Table 1: Parcel Summary		
Site Area ID	**Parcel ID**	**Parcel Area (SF)**
5A	F	73,634
	G	85,999
	H	106,417
5B	CP2	11,565
	D1	63,213
5C	A	69,948
	B1	53,784
	B2	131,887
	C1	52,971
	C2	110,737
	D2	55,946
	E1	12,170
	E2	20,025
	E3	20,254
	Pier	25,275
	Total	893,825

Notes:
1. SF – Square feet.
2. E2 – Parcel reserved for public school.

In general, each parcel, excluding E2, will include a low-rise pedestal that occupies the entire parcel footprint with a high rise tower (with cellar) above the pedestal near the waterfront. Each parcel, excluding E2, will include residential and buildings with market and/or affordable units and parking (underground and/or aboveground). Most parcels will include designated open space separate from and/or in conjunction with the public waterfront promenade. An approximately 100,000 square foot public elementary and middle school will be constructed on Parcel E2 by the New York City School Construction Authority (SCA). The public promenade along the East River will be about 40-feet wide. The footprint of the entire site will be covered with building foundations, impervious pavement, and/or landscaped areas with two-feet of certified clean fill material.

The parcels will be developed in a phased approach starting with Parcels E3, D1, D2, F, G and H. The projected development schedule for the initial six parcels is one to five years; the

projected development schedule for other parcels is greater than five years. Therefore, the remedial investigation will begin on Parcels E3, D1, D2, F, G and H only upon OER approval of this RIWP. We will notify the OER in writing of GLA's intention to proceed with the investigation of other development parcels. The timing of such written communications will be based on GLA's development schedule. Most project buildings are in early conceptual design and are subject to change. Any changes to the proposed building designs are not expected to alter the overall design of the site cap.

- Parcel E3 will be improved with a 7-story low-rise building (no cellar) with 98 affordable housing units only (no market rate housing).

- Parcel G will be improved with a 30-story residential tower (with cellar) with 373 market housing units, one level of underground parking and three levels of aboveground parking and a 6-story low-rise (no cellar) with 93 affordable housing.

- Parcel F will be improved with a 40-story residential tower (with cellar) with 501 marking housing units, one level of underground parking and three levels of aboveground parking and a 6-story low-rise building (no cellar) with 125 affordable housing units.

- Parcel H will be improved with a 30-story residential tower (no cellar) with 205 market housing units, 51 affordable housing units, and three levels of aboveground parking, a 16-story residential tower (no cellar) with 166 affordable housing units, and a 16-story residential tower (no cellar) with 167 affordable housing units.

- Parcel D1 will be improved with a 30-story residential tower (with cellar) with 355 market housing units and three levels of aboveground parking and a 6-story low-rise building (with cellar) with 88 affordable housing units.

- Parcel D2 will be improved with a 40-story residential tower (with no cellar) with 384 market housing units and 96 affordable housing units.

The conceptual designs for Parcels A, B1, B2, C1, C2, D2, E1, E2 and the pier have not been finalized at this time. The layout of the proposed development is presented as Figure 4.

The majority of the development parcels (A, B1, B2, C1, C2, D1, D2, E1, F, and H) will include buildings constructed with below-grade foundations; however, only three parcels (E3, D2 and G) are expected to be improved with buildings constructed with slab-on-grade foundations. The maximum proposed depth of excavation to accommodate foundation and structural components

is expected to be 17 feet below existing ground surface. The project team intends to raise the existing grade of private property surrounding each proposed building and set finished floor elevations to comply with the advisory base flood elevations (ABFE)[1] issued by the Federal Emergency Management Agency (FEMA) in February 2013. Depth to groundwater at the site ranges from about 5 feet below existing ground surface near the waterfront to about 15 feet below existing ground surface east of West Street and south of Commercial Street. Excavation below the groundwater table is anticipated at Parcels A, B1, B2, C1, C2, D1, D2, F and H. Excavation below the groundwater table is not anticipated at Parcel E1 and E3 as slab-on-grade foundations are planned for both parcels.

1.3 Description of Surrounding Property

The site is adjoined to the south and east by residential, commercial and industrial-manufacturing uses as well as vacant land, vacant buildings and city-owned outdoor recreation space. The site is located at the confluence of the East River and Newtown Creek. The adjoining property to the south of Parcel A is occupied by a one-story warehouse and beverage distribution center. The adjoining property to the northeast of Parcel H is occupied by the Metropolitan Transit Authority-Department of Subways-Division of Car Equipment's Office of Emergency Response and a motor vehicle storage lot. The adjoining property to the south of Parcels F and G across Commercial Street is the Former NuHart Plastics State Superfund Site (Site No. 224136) at 280 Franklin Street, Brooklyn, NY. The Former NuHart Plastics State Superfund Site is further identified as Block 2487 Lots 1, 10 and 78. The Newtown Barge Playground is a 0.98-acre outdoor area with recreation fields and courts owned by the DPR located between Parcel F and D1 on Block 2486 Lot 1. The Greenpoint Playground is a 0.50-acre playground owned by the DPR located at a triangular-shaped block bordered by Commercial Street to the north, Dupont Street to the south and Franklin Street to the east. The surrounding properties beyond the adjoining properties consist of multi-story residential buildings, multi-story residential buildings with ground-level retail and restaurants, houses of worship, office buildings, television and movie production studios, and small-scale industrial and manufacturing facilities. The zoning classifications of the surrounding area include R6, R6A, R6B, R8, M1-1, and M1-2.

[1] The advisory base flood elevations (ABFE) have not been official adopted by FEMA at this time. The ABFEs are expected to become official in late 2013.

2.0 PREVIOUS ENVIRONMENTAL DOCUMENTATION

2.1 Environmental Investigation Reports

The following environmental reports (in chronological order) are associated with the site:

- *Phase I Environmental Site Assessment Report - Greenpoint Lumber Yard, Brooklyn New York*, July 2001, prepared by AKRF, Inc.
- *Supplemental Subsurface (Phase II) Investigation Report – Greenpoint Lumber Yard, Brooklyn, New York*, April 2004, prepared by AKRF, Inc.
- *Environmental Design Report: Materials Investigations at the East River Sludge Storage Tank and New Sludge Force Main Route*, April 2007, prepared by Greeley & Hansen, Hazen & Sawyer, and Malcolm Pirnie.
- *Phase I Environmental Site Assessment of the Proposed Public School at Block 2494 Lot 1 Brooklyn, New York 11209*, June 23, 2008, prepared by TRC Engineers, Inc.
- *Phase II Environmental Site Investigation Report for the Proposed Public School at 235-241 Franklin Street, Brooklyn, New York, 11222*, July 28, 2008, prepared by TRC Engineers, Inc.

Digital (PDF) copies of the above referenced environmental reports are included in Appendix A.

2.1.1 Phase I ESA Report – AKRF, Inc.

A Phase I ESA Report dated July 2001 was prepared by AKRF, Inc. (AKRF) for Park Tower Realty Corporation. The subject property of the Phase I ESA was defined as an approximately 22-acre former lumber yard located at 171 West Street, Brooklyn, New York and further defined as Block 2472 (Lots 2, 32, 100, 410, 425), Block 2494 (Lot 1), Block 2502 (Lot 1), Block 2510 (Lot 1) and Block 2520 (Lot 57).[2] The subject property was primarily used for the storage and transfer of heavy equipment, motor vehicles, trucks, building materials and lumber; occupied by twelve tenants; and generally improved with asphalt pavement at the time of the Phase I ESA. In addition, a two-story brick office building and a corrugated metal garage were located on Block

[2] The Phase I ESA subject property definition included Lots 410 and 425 of Block 2472 and the entirety of Lot 32 of Block 2472. Lots 410 and 425 are not included in the RIWP definition of the Site.

2520 (Lot 57) and a one-story brick automobile repair shop was located on Block 2494 (Lot 1). The Phase I ESA report indicated the subject property was historically used for industrial activities including the transfer and storage of lumber, coal, and construction materials and equipment. The owner of the subject property (at the time of the Phase I ESA) was Lumber Exchange Terminal, Inc. and reportedly assembled the approximately 22-acre property in the 1930s to 1950s. The majority of the lumber yard operations at the subject property were phased out during the 1980s when the owner began to lease portions of the subject property to tenants to use for materials and heavy equipment storage.

The Phase I ESA Report identified the following on-site environmental conditions for each subject block:

Block 2472 (Lots 2, 32, 100, 410, and 425)

- On-site storage of petroleum products in 55-gallon containers; potential on-site petroleum bulk storage; historical property use as a lumber yard; current property use as an automobile repair garage; and potential for on-site illegal dumping of petroleum and/or hazardous materials on historically vacant land.

Block 2494 (Lot 1)

- On-site storage of petroleum products in 55-gallon containers; on-site petroleum bulk storage (one 275-gallon aboveground storage tank [AST]); historical and current property use as an automobile repair garage; historical property use a lumber yard; an on-site hydraulic lift apparatus; potential for on-site illegal dumping of petroleum and/or hazardous materials on historically vacant land; and presence of suspected asbestos-containing materials (ACM) and lead-based paint in on-site structures.

Block 2502 (Lot 1)

- On-site storage of petroleum and chemical products in 55-gallon containers; potential on-site petroleum bulk storage (one 11,500-gallon fuel oil underground storage tank [UST]) historical property use as a lumber yard; and potential for on-site illegal dumping of petroleum and/or hazardous materials on historically vacant land.

Block 2510 (Lot 1)

- On-site storage of petroleum and chemical products in 55-gallon and 5-gallon containers; historical property use as a dye and chemical factory, a quebracho[3] extract company, and a lumber yard.

Block 2520 (Lot 57)

- On-site petroleum bulk storage (one 275-gallon hydraulic oil AST and one 275-gallon motor oil AST); potential on-site petroleum bulk storage (one 550-gallon fuel oil UST and one 550-gallon gasoline UST); historical property use as a dye and chemical factory, a quebracho company, and as a lumber yard; current property use as an automobile repair garage; suspected ACM, lead-based paint and mercury-containing fluorescent lights and/or polychlorinated biphenyl (PCB)-containing ballasts in on-site structures.

The Phase I ESA Report identified the following off-site environmental conditions in association with the subject property:

- One treatment, storage and disposal facility located within a one-mile radius of the subject property and ten Resource Conservation and Recovery Act (RCRA) generators located within a one-eighth mile radius of subject property. The report noted that several of the RCRA generators were known generators of characteristic and listed hazardous wastes (including spent halogenated solvents), subject to Class 1 RCRA violations and located hydraulically upgradient of the subject property.

2.1.2 AKRF, Inc. - Supplemental Phase II Investigation Report

The *Supplemental Subsurface (Phase II) Investigation Report – Greenpoint Lumber Yard, Brooklyn, New York*, dated April 2004 was prepared by AKRF, Inc. for Park Tower Realty Corp. A copy of the AKRF Supplemental Phase II Investigation Report is included in Appendix B.

The report presents the sampling methodology, field observations and analytical results from a two-part subsurface investigation performed by AKRF at the site. AKRF completed a Phase II Subsurface Investigation in August to October 2001 and a Supplemental Phase II Subsurface Investigation in June to September 2003. The 2001 Phase II Subsurface Investigation involved the completion of nine on-site borings and five on-site temporary groundwater monitoring wells. One boring (B4) was located off-site. A separate report for the 2001 investigation was issued by

[3] Quebracho is a natural bark extract, composed of tannins, used to tan and treat leather.

AKRF in October 2001. A copy of the AKRF 2001 Phase II Subsurface Investigation Report is included in Appendix B. The 2003 Supplemental Subsurface Investigation involved the completion of 19 on-site borings and 10 on-site permanent groundwater monitoring wells. Two borings (B13 and MW12A) and one monitoring well (MW12A) were located off-site. The Supplemental Phase II Invesitgation Report presented the observations and results of both the 2001 and 2003 investigations.

Boring and well locations were selected to evenly characterize soil and groundwater across the sampling area and several borings and wells were biased towards potential areas of environmental concern identified in AKRF's Phase I ESA Report. In total, 55 on-site grab soil samples and 14 on-site groundwater samples as well as 6 off-site grab soil samples and two off-site groundwater samples were collected and analyzed for total VOCs, SVOCs, PCBs, pesticides and/or Target Analyte List (TAL) metals. Both unfiltered and filtered groundwater samples were analyzed for TAL Metals. Only selected soil samples from the 2001 investigation were analyzed for PCBs and pesticides. The 2001 groundwater samples were not analyzed for PCBs and pesticides. No soil vapor samples were collected as part of AKRF's subsurface investigations. Sampling locations from the 2001 and 2003 investigations are presented in Figure 5.

The surface topography of the site was noted to generally slope downward to the north towards Newtown Creek and to the west towards the East River. The elevation of the site was noted to be +5 to +15 feet National Geodetic Vertical Datum (NGVD 1929) (+2.5 to +12.5 feet Brooklyn Borough Highway Datum [BBHD][4]). Well survey and gauging data were used to evaluate groundwater flow direction. Groundwater was determined to flow to the west in the direction of the East River and to the north in the direction of Newtown Creek.

Borings were advanced up to 20 feet bgs and depth to groundwater ranged from about 5 to 15 feet bgs. The subsurface stratigraphy was reported to consist of fill material composed of brown to black fine to coarse sand with varying percentages of gravel and silt from ground surface to about 15 feet bgs. Native soil composed of orange to brown silt and clay was encountered below the layer of fill material to about 20 feet bgs. Wood, coal, slag and brick fragments and ash were noted in most of the completed borings. The dark color of the fill material was attributed to its high coal content (most of the site was historically used as coal storage yards). A spill was reported by AKRF to the NYSDEC on October 2, 2001 for petroleum contamination found

[4] Elevations are with respect to the Brooklyn Borough Highway Datum (BHD) which is 2.56 feet above the U.S. Coast and Geodetic Survey Datum (Mean Sea Level at Sandy Hook, New Jersey, 1929) [BBHD = USGS – 2.56].

during the installation of MW1 (Block 2520, Lot 57). MW1 was installed near a 550-gallon gasoline UST and fuel pump. NYSDEC Spill No.: 01-06864 was closed on December 6, 2005. AKRF did not identify any other areas at the site with gross contamination.

The analytical soil results were originally compared to TAGM 4046, which is no longer applicable. Langan compared the analytical soil results to 6 NYCRR Part 375-6.8(a,b) Unrestricted Use and Restricted Use-Restricted Residential SCOs. Tables 3 and 4 and Tables 5 and 6, respectively, show the analytical soil results from the 2001 and 2003 investigations relative to Part 375 SCOs. AKRF compared the groundwater analytical results to the Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Waters; however, Langan observed inconsistencies in the tabulated data presented in text and figures of AKRF's Supplemental Phase II ESI Report compared to the analytical data report prepared by the laboratory. As such, Langan reproduced the groundwater analytical results to correctly reflect the data provided in the laboratory reports. The revised groundwater analytical results for the 2001 investigation are presented in Tables 7. The revised groundwater analytical results for the 2003 investigation are presented in Tables 8 and 9. In addition, the soil and groundwater analytical results are compared to regulatory criteria and presented on Figure7, Figure 8, Figure 9 and Figure 10. A summary of the soil and groundwater analytical results by investigation event and media type and our conclusions/interpretations of the analytical data are presented below.

AKRF Soil Results – 2001

On-Site Sampling Results

- No VOCs were detected in soil samples above their Unrestricted Use SCOs or Restricted-Residential Use SCOs with the exception of acetone, a common laboratory artifact. Several typical petroleum constituents (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, and total xylenes) were detected below their Unrestricted Use SCOs in the deep soil at MW1.

- Seven SVOCs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeo(1,2,3-c,d)pyrene), all PAHs, were reported at concentrations above their Unrestricted Use SCOs in one or more soil samples. Most of the PAHs also exceeded their Restricted Residential Use SCOs in one or more soil samples. Concentrations of total SVOCs ranged from 2.43 mg/kg (MW1) up to 474.7 mg/kg (MW4).

- Total PCBs were reported at a concentration of 0.3 milligrams per kilogram (mg/kg) slightly above its Unrestricted Use SCO (0.1 mg/kg) in one surface soil sample (B2).

- One pesticide (4,4-DDT) was reported at concentrations slightly above its Unrestricted Use SCO (0.0033 mg/kg) in two surface soil samples (B2 and MW-5).

- Five metals (barium, copper, lead, mercury, and zinc) were reported at concentrations above their Unrestricted Use SCOs in one or more soil samples. The maximum reported concentrations of metals were detected above their Unrestricted Use SCOs are as follows: barium at 429 mg/kg (SCO of 350 mg/kg), copper at 116 mg/kg (SCO of 50 mg/kg), lead at 294 mg/kg (SCO of 63 mg/kg), mercury at 1.12 mg/kg (SCO of 0.18 mg/kg), and zinc at 395 mg/kg (SCO of 109 mg/kg). Barium exceeded its Restricted Residential Use SCO (400 mg/kg) in surface soil at MW-3 with a concentration of 429 mg/kg. No other metals were detected at concentrations above their Restricted Residential SCOs.

Off-Site Sampling Results

- No VOCs were detected in any soil samples.

- Six SVOCs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, and indeo(1,2,3-c,d)pyrene), all PAHs, were reported at concentrations above their Unrestricted Use SCOs in B4 (2-4 feet bgs depth interval).

- Soil samples collected from B4 were not analyzed for PCBs or pesticides.

- One metal (lead) was reported at a concentration 380 mg/kg above its Unrestricted Use SCO (63 mg/kg) in B4 (2-4 feet bgs depth interval). No other metals were detected at concentrations above their Restricted Residential SCOs.

AKRF Soil Results – 2003

On-Site Sampling Results

- No VOCs were detected in soil samples above their Unrestricted Use SCOs or Restricted-Residential Use SCOs with the exception of acetone, a common laboratory artifact. Several typical petroleum constituents (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, naphthalene, p-diethylbenzene, p-ethyltoluene, and total xylenes) were detected below their Unrestricted Use SCOs in surface soil at B11.

- Seventeen SVOCs (mostly PAHs) were reported at concentrations above their Unrestricted Use SCOs in one or more soil samples. Detected PAHs (anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo(g,h,i)perylene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-c,d)pyrene, fluoranthene, fluorene, phenanthrene, and pyrene) exceeded their Restricted Residential Use SCOs in one or more soil samples. Concentrations of PAHs above their Restricted Residential Use SCOs were found across the 0.5-10 feet bgs depth interval. Concentrations of total SVOCs ranged from not detected (B14) up to 4,691 mg/kg (B10). Most concentrations of total SVOCs were below 100 mg/kg with the exception of four soil samples (collected from borings B8, B10, B11, and MW7).

- Total PCBs were reported at concentrations ranging from 0.11 mg/kg to 1.28 mg/kg; PCBs were detected above the Unrestricted Use SCO (0.1 mg/kg) in ten soil samples. Total PCBs above the Unrestricted Use SCO were found across the 0.5-7 feet bgs depth interval. Total PCBs exceeded Restricted Residential Use SCO (1.0 mg/kg) in surface soil at only one location (B12) with a concentration of 1.28 mg/kg.

- Five pesticides (4,4'-DDD, 4,4'-DDE, 4,4'-DDT, chlordane, and endrin) were reported at concentrations above their Unrestricted Use SCOs in one or more soil samples. Pesticides were detected above their Unrestricted Use SCO across the 0.5-10 feet bgs depth interval. One pesticide (4,4'-DDD) exceeded its Restricted Residential Use SCO (0.0033 mg/kg) in surface soil at B12 with a concentration of 18 mg/kg.

- Nine metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel and zinc) were reported at concentrations above their Unrestricted Use SCOs in one or more soil samples. Six metals (arsenic, barium, copper, cadmium, lead and mercury) exceeded their Restricted Residential Use SCOs in one more soil samples. Metals above their Restricted Residential Use SCOs were found across the 0.5-10 feet bgs depth interval. The maximum reported concentrations of metals above their Restricted Residential Use SCOs are as follows: arsenic at 39 mg/kg (SCO of 16 mg/kg); barium at 518 mg/kg (SCO of 400 mg/kg); cadmium at 101 mg/kg (SCO of 4.3 mg/kg); copper at 1,470 mg/kg (SCO at 270 mg/kg); lead at 2,040 mg/kg (SCO of 400 mg/kg), and mercury at 0.846 mg/kg (0.81 mg/kg).

Off-Site Sampling Results

- No VOCs were detected in any soil samples.

- Detected PAHs (benzo[b]fluoranthene and indeno(1,2,3-c,d)pyrene) exceeded their Restricted Residential Use SCOs in only one soil sample, B13 (0.5-2 feet bgs depth interval).

- Total PCBs were reported at concentrations ranging from 0.15 mg/kg to 0.23 mg/kg. PCBs were detected above the Unrestricted Use SCO (0.1 mg/kg) in two soil samples from the 0.5-2 feet bgs depth interval.

- One pesticide (4,4'-DDT) was reported at estimated concentrations above its Unrestricted Use SCO in one two soil samples. Pesticides were detected above their Unrestricted Use SCO across the 0.5-5.5 feet bgs depth interval.

- Four metals (copper, lead, mercury and zinc) were reported at concentrations above their Unrestricted Use SCOs three soil samples. The maximum reported concentrations of metals above their Unrestricted Use SCOs are as follows: copper at 67.6 mg/kg (SCO of 50 mg/kg), lead at 187 mg/kg (SCO of 63 mg/kg), mercury at 0.633 mg/kg (SCO of 0.18 mg/kg), and zinc at 120 mg/kg (SCO of 109 mg/kg).

AKRF Groundwater Results – 2001

On-Site Sampling Results

- No VOCs were detected in any groundwater samples.

- One SVOC, naphthalene, was reported at a concentration of 18 micrograms per liter (µg/L), above its TOGS Guidance Value (10 µg/L) in MW1.

- Twelve metals (including barium, chromium, lead, mercury and silver [all RCRA metals]) were reported at concentrations above their TOGS Standards or Guidance Values in one or more unfiltered groundwater samples. Only four metals (iron, magnesium, manganese and sodium) were reported at concentrations above their TOGS Standards or Guidance Values in one or more filtered groundwater samples.

- The 2001 groundwater samples were not analyzed for PCBs or pesticides.

Off-Site Sampling Results

No off-site groundwater samples were collected and analyzed as part of AKRF's 2001 Phase II ESI.

AKRF Groundwater Results – 2003

On-Site Sampling Results

- Eleven VOCs were detected in one or more groundwater samples above their TOGS Standards or Guidance Values. Two typical petroleum constituents (4-isopropyltoluene and benzene) were reported at concentrations above their TOGS Standards or Guidance Values at MW7. Several typical petroleum constituents (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, benzene, ethylbenzene, naphthalene, styrene, toluene and total xylenes) were reported at concentrations above their TOGS Standards or Guidance Values at MW13A. Tetrachloroethene (PCE) exceeded its TOGS Standard (5 µg/L) at MW11 with a concentration of 5.6 µg/L.

- One SVOC (phenol) exceeded its TOGS Standard (1.0 µg/L) at MW7 with a concentration of 7.4 µg/L.

- No PCBs were detected in any groundwater samples.

- One pesticide (hexachlorobenzene) exceeded its TOGS Standard (0.04 µg/L) at MW11 with a concentration of 0.08 µg/L.

- Six metals (antimony, iron, magnesium, manganese, sodium and thallium) were reported at concentrations above their TOGS Standards or Guidance Values in one or more unfiltered groundwater samples. Only four metals (iron, magnesium, manganese and sodium) were reported at concentrations above their TOGS Standards or Guidance Values in one or more filtered groundwater samples.

Off-Site Sampling Results

- No VOCs, SVOCs, PCBs or pesticides were detected in any groundwater samples. Four metals (antimony, iron, manganese, and sodium) were reported at concentrations above their TOGS Standards or Guidance Values in one or more unfiltered groundwater samples. Four metals (iron, magnesium, manganese, and sodium) were reported at concentrations above their TOGS Standards or Guidance Values in one or more filtered groundwater samples.

Conclusions/Interpretations – AKRF Supplemental Phase II Investigation Report

The petroleum constituents (VOCs and SVOCs) detected in deep soil and groundwater at MW1 are attributed to the closed status NYSDEC spill case (Spill No.: 01-06864) and on-site petroleum bulk storage on Parcel A. The petroleum constituents (VOCs) identified in surface soil at B11 may be attributed to potential incidental releases of petroleum products historically stored at Parcel C2. AKRF's boring log for B11 indicates a slight petroleum odor was detected in surface soil. No VOCs were detected in the deeper soil sample collected at B11. Therefore, the impacted area appears to be confined to the surficial zone.

The petroleum constituents (VOCs and SVOCs) detected in groundwater at MW7, which is located hydraulically cross-gradient with respect to MW1, may be attributed to the closed status NYSDEC spill case and/or an off-site source. AKRF's boring log for MW7 did not indicate evidence of petroleum contamination in soil. No petroleum constituents (VOCs or SVOCs) were detected in the soil samples collected at MW7. Therefore, neither the boring log nor the analytical soil data indicate evidence of petroleum contamination in soil.

The petroleum constituents (VOCs) identified in groundwater at MW13A, located near the waterfront bulkhead on Parcel F, may be attributed to a potential on-site source related to historical property use and historical storage of petroleum. The absence of petroleum constituents in groundwater at MW14 and MW15A, which are located hydraulically upgradient with respect to MW13A and closer to adjoining off-site property, indicates an off-site source is unlikely. AKRF's boring log for MW13A did not indicate evidence of petroleum contamination in soil. No petroleum constituents (VOCs or SVOCs) were detected in the soil samples collected at MW13A. Therefore, neither the boring log nor the analytical soil data indicate evidence of petroleum contamination in soil.

PCE, a common solvent used in dry cleaning and degreasing, was identified in groundwater at MW11 located in Parcel E2 and may be attributed to a potential on-site source related to historical property use as an automobile repair garage and/or an off-site source. AKRF's boring log for MW11 did not indicate evidence of solvent contamination in soil. PCE was not detected in the soil samples collected at MW11. Therefore, neither the boring log nor the analytical soil data indicate evidence of chlorinated solvent contamination in soil.

The PAHs identified in soil were generally uniformly distributed across the sampling area and generally limited to the upper ten feet of subsurface material. The PAHs are primarily attributed to the presence of pyrogenic historic fill material (i.e. coal, slag, and ash), which was noted in most of the completed borings on-site and off-site. Some PAHs may also be attributed to petrogenic sources, including creosote (a coal tar derivative), which was historically used as a

lumber preservative, and incidental releases of petroleum products historically stored at the site. The concentrations of PAHs in soil on-site and off-site are regarded as background concentrations and considered as characteristic of properties in the urban environment. In general, the highest concentrations of PAHs in soil were found on-site and are confined to an area within Parcels C1 and C2 defined by borings B8, B10 and B11.

PCBs in on-site and off-site soil are distributed randomly and their presence is attributed to the historic fill material placed at the site during the PCBs availability period.[5] The concentrations of PCBs in soil across the site are regarded as background concentrations, considered as characteristic of properties in the urban environment and do not indicate the presence of source material at the site. No evidence of primary sources (e.g. transformers) and secondary sources (e.g. carrier fluids) were identified at the site by AKRF's Phase I ESA and subsurface investigations. No PCBs were detected in on-site or off-site groundwater.

Pesticides in on-site and off-site are distributed randomly and are not limited to surficial soils; consequently, their presence is attributed to historic fill material. The low level detection of hexachlorobenzene in groundwater is attributed to historic fill material and the presence of suspended solids in the groundwater sample.

The suite of metals and their concentrations detected in soil across the sampling area (including arsenic, cadmium, copper, lead, mercury, and zinc) are characteristic of and attributed to historic fill material. AKRF did not identify potential current or historical sources of heavy metals related to industrial and/or commercial activity on the site in its Phase I ESA report. The concentrations of metals in soil on-site and off-site are regarded as background concentrations and considered as characteristic of properties in the urban environment. In general, the highest concentrations of metals in soil were found on-site and are confined to an area within Parcels C1 and C2 defined by borings B8 and B9.

The metals detected in groundwater above their TOGS Standards or Guidance Values were also detected in soil across the site and are attributed to historic fill material, which extends into the groundwater table across most of the site. A comparison of the filtered and unfiltered metals

[5] Commercial production of PCBs in the United States began in 1929 and ended in 1979 (Environmental Forensics: Contaminant Specific Guide [2005]). Historical aerial photography available on the NY City Map (http://gis.nyc.gov/doitt/nycitymap) indicates historical land filling activities occurred at the Site as early as circa 1924 and through circa 1996. Historical aerial photographs were not reviewed as part of the AKRF Phase I ESA Report.

detected in groundwater indicated a significant reduction in metals concentrations; therefore, groundwater quality with respect to metals is predicted to be affected by the presence of suspended solids (e.g., derivatives of historic fill material). The dissolved metals results indicate groundwater at the site is brackish and communicates with the estuarine waters of the East River and Newtown Creek.

2.1.3 NYCDEP BEDC Environmental Design Report

The *Environmental Design Report: Materials Investigations at the East River Sludge Storage Tank and New Sludge Force Main Route* dated April 2007 was prepared by Greeley & Hansen, Hazen & Sawyer, and Malcolm Pirnie for The New York City DEP Bureau of Engineering Design and Construction. A copy of the *Environmental Design Report* is included in Appendix B.

This report presents the sampling methodology and analytical results for two subsurface investigations performed in September 2000 at the East River Sludge Storage Tank (Block 2494 [Lot 6]) and East River Sludge Loading Dock and Lumberyard Easement (Block 2472 [Lots 2, 32]). Sampling locations from the two investigations are presented in Figure 5.

The subsurface investigation at the East River Sludge Storage Tank involved the completion of four soil borings around the perimeter of the storage tank (DP-P1 through DP-P4). Two soil samples (one composite[6] and one discrete sample[7]) were collected from each boring. The discrete samples were analyzed for volatile organic compounds (VOCs) via the Toxicity Characteristic Leachate Procedure (TCLP). The composite samples were analyzed for TCLP semi-volatile organic compounds (SVOCs) and metals. No analytes were detected above their maximum toxicity characteristic concentration. Total concentrations of VOCs, SVOCs and metals were not analyzed and reported. The analytical soil results from the subsurface investigation at the East River Sludge Storage Tank are presented in Table 1.

The subsurface investigation at the East River Sludge Loading Dock involved the completion of eleven geotechnical/environmental borings and the analysis of soil samples collected at eight of the eleven borings. Four of the eight borings were located on the site (B-4, B-5, B-10 and B-11);

[6] Composite samples were collected from the 0-12 feet bgs depth interval (DP-P1and DP-P3), the 0-16 feet bgs depth interval (DP-P2), and the 0-9 feet bgs depth interval (DP-P4).
[7] All discrete samples were collected from the 4-8 feet bgs depth interval except DP-P4, which was collected from the 8-9 feet bgs depth interval.

the other four borings were located off the site (B-6, B-7, B-8, and B-9). Three soil samples (two composites[8] and one discrete sample[9]) were collected from each of the four on-site and four off-site borings. The discrete samples were analyzed for total VOCs and SVOCs. The composite samples were analyzed for TCLP VOCs, TCLP SVOCs, TCLP Metals, TCLP Pesticides, TCLP Herbicides, total polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH) gasoline-range organics and diesel-range organics, ignitability, corrosivity and reactivity.

The analytical soil results from the subsurface investigation at the East River Sludge Loading Dock were originally compared to the soil cleanup criteria of Spill Technology and Remediation Series (STARS) Memo #1 and Technical Administrative Guidance Memorandum (TAGM) 4046, which are no longer applicable. Langan compared the analytical soil results to Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375-6.8(a,b) Unrestricted Use, Restricted Use-Restricted Residential Soil Cleanup Objectives (SCOs), and NYSDEC Commissioner's Policy CP-51 Supplemental SCOs. Table 2 and Figure 6 present the analytical soil results from the subsurface investigation at the East River Sludge Loading Dock relative to Part 375-6.8 SCOs and the USEPA Hazardous Waste Levels for the Toxicity Characteristic. A summary of the soil analytical results and our conclusions/interpretations are presented below.

<u>NYCDEP Soil Results – East River Sludge Loading Dock – 2000</u>

On-Site Sampling Results

- No VOCs were detected in soil samples above their Unrestricted Use SCOs or Restricted-Residential Use SCOs. Methylene chloride, a common laboratory artifact, was detected below its Unrestricted Use SCOs in all soil samples. Toluene was detected at an estimated concentration below its Unrestricted Use SCO in one soil sample (B-10) from the 5 – 10 feet bgs depth interval.

- Six SVOCs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, and indeo(1,2,3-c,d)pyrene), all polycyclic aromatic hydrocarbons (PAHs), were reported at concentrations above their Unrestricted Use SCOs in one or more soil samples. Most of the PAHs also exceeded their Restricted

[8] One composite sample was collected from the 0-10 feet bgs depth interval and the second composite sample was collected from the 10-25 feet bgs depth interval.
[9] Discrete samples were collected from the 0-5 feet bgs depth interval (B-5), the 5-10 feet bgs depth interval (B-7, B-9, B-10), the 10-15 feet bgs depth interval (B-4, B-6, B-11), and the 15-20 feet bgs depth interval (B-8).

Residential Use SCOs in one or more soil samples. Concentrations of total SVOCs ranged from not detected (B-11, 10-25 feet bgs depth interval) up to 181.49 mg/kg (B-10, 0-10 feet bgs depth interval).

- No PCBs were detected in any of the soil samples analyzed.
- TPH-GRO concentrations ranged from not detected to 0.11 mg/kg (B-10, 10-25 feet bgs depth interval). TPH-DRO concentrations ranged not detected to 0.3 mg/kg (B-10, 10-25 feet bgs depth interval).
- No analytes were detected above their maximum toxicity characteristic concentration and no soil samples were found to be corrosive, ignitable or reactive. Total concentrations of metals in soil were not analyzed and reported.

Off-Site Sampling Results

- No VOCs were detected in soil samples above their Unrestricted Use SCOs and Restricted-Residential Use SCOs. Methylene chloride, a common laboratory artifact, was detected below its Unrestricted Use SCOs in all soil samples.
- Six SVOCs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, and indeo(1,2,3-c,d)pyrene), all PAHs, were reported at concentrations above their Unrestricted Use SCOs in one or more soil samples. Most of the PAHs also exceeded their Restricted Residential Use SCOs in one or more soil samples. Concentrations of total SVOCs ranged from 0.491 mg/kg (B-7, 0-10 feet bgs depth interval) up to 87.98 mg/kg (B-9, 0-10 feet bgs depth interval).
- TPH-GRO concentrations ranged from 0.075 mg/kg (B-9, 10-25 feet bgs depth interval) to 0.46 mg/kg (B-9, 0-10 feet bgs depth interval). TPH-DRO concentrations ranged from 0.019 mg/kg (B-6, 0-10 feet bgs depth interval) to 0.11 mg/kg (B-9, 0-10 feet bgs depth interval).
- No PCBs were detected in any of the soil samples analyzed.
- No analytes were detected above their maximum toxicity characteristic concentration in any soil samples and no soil samples were found to be corrosive, ignitable or reactive. Total concentrations of metals in soil were not analyzed and reported.

Conclusions/Interpretations – NYCDEP BEDC Environmental Design Report

The PAHs identified in soil were generally uniformly distributed across the sampling area and generally limited to the upper 25 feet of subsurface material. The PAHs are primarily attributed to the presence of pyrogenic historic fill material (i.e. coal, slag, and ash), which is known to be present at the site and in the surrounindg area. Some of the PAHs may also be attributed to petrogenic sources, including creosote (a coal tar derivative), which was historically used as a lumber preservative. The concentrations of PAHs in soil both on-site and off-site are regarded as background concentration and considered as characteristic of properties in the urban environment. The highest concentration of PAHs in soil was observed on-site in Parcel D1 at B-10.

2.1.4 Phase I ESA Report – TRC Engineers, Inc.

A Phase I ESA report dated June 23, 2008 was prepared by TRC Engineers, Inc. (TRC) for the New York City School Construction Authority (NYCSCA). The subject property of the Phase I ESA was defined as the approximately 20,000 square foot property located at 235-241 Franklin Street, Brooklyn, New York and further defined as northeastern portion of Lot 1 of Block 2494 (Parcel E2). The subject property was improved with an approximately 1,250 square foot one-story building (occupied by an automobile repair facility), an office trailer and asphalt-paved parking areas at the time of the Phase I ESA and since circa 2001. The Phase I ESA Report indicated the subject property was historically occupied by residential and commercial buildings (circa 1887 to circa 1905), a garage and an automobile repair facility with a pump house and an UST (circa 1916), and a lumber storage yard (circa 1942 to circa 1996).

The Phase I ESA Report identified the following on-site RECs for the subject property:

- Historical and current property use as an automobile repair facility, garage, and parking area.
- Potential historical on-site petroleum bulk storage (one gasoline UST from circa 1916 to circa 1951 and an abandoned 275-gallon AST).
- Petroleum staining on the floor of the one-story building near an electrical lift and floor drain.
- City Environmental Quality Review (CEQR) E-Designations for Hazardous Materials and Noise.

The Phase I ESA Report identified suspected ACM in the one-story building, suspected lead-based paint on interior and exterior building surfaces, and suspected PCB-containing materials (fluorescent lighting fixtures and exterior caulking) in the one-story building as additional environmental concerns associated with the subject property.

The Phase I ESA Report identified the following off-site RECs in association with the subject property:

- Historical uses of adjacent properties for manufacturing, chemical manufacturing, lumber storage, commercial laundering (including an hydraulically upgradient dry cleaning facility), and automobile repair and servicing.

- An automobile repair facility ("Pat & Doms Body and Fender Repair, Inc.") located at 246 Franklin Street. This facility was listed as an historical small quantity generator of hazardous waste with no reported violations.

- Three closed NYSDEC spill cases and hazardous waste generation activity associated with Manhole #64829. This facility was listed as an historical large quantity generator with no reported violations.

- Petroleum bulk storage (PBS) and chemical bulk storage (CBS) database listings and historical hazardous waste generation activity associated with "NuHart & Company" located at 49-55 Dupont Street. This facility was listed as an historical large quantity generator with reported violations.

- Hazardous waste generation activity associated with "ConEd – V3283." This facility was listed as a historical large quantity generator.

- Hazardous waste generation activity associated with "Interflo Technologies" located with an one-eighth mile radius of the subject property. This facility was listed as an historical large quantity generator with reported violations.

- CEQR E-Designations for Hazardous Materials and Noise on Block 2492, Lot 6, which adjoins the subject property to the west.

2.1.5 TRC Engineers, Inc. - Phase II ESI Report

The Phase II Environmental Site Investigation (ESI) Report for the Proposed Public School at 235-241 Franklin Street, Brooklyn, New York, dated April July 28, 2008 was prepared by TRC

Engineers, Inc. (TRC) for the NYCSCA. A copy of the TRC Phase II ESI is included in Appendix B.

The report presents the sampling methodology, field observations and analytical results from a subsurface investigation performed by TRC in May 2008. The subject property of the Phase II ESI was defined as 235-241 Franklin Street, Brooklyn, New York and further defined as the northeastern portion of Lot 1 of Block 2494 (Parcel E2). All soil borings, temporary well points and soil vapor probes were located on Parcel E2 of the Greenpoint Landing Site. The purpose of the Phase II ESI was to determine if the RECs identified in TRC's Phase I ESA Report affected subsurface conditions at the property and to characterize subsurface material expected to be excavated during the construction of the proposed public school. The Phase II ESI consisted of a geophysical survey to identify potential USTs and the completion of five soil borings, five temporary monitoring well points, five soil vapor probes and one ambient air sample. Two grab soil samples (from the 1-4 ft bgs and 4-8 ft bgs or 5-9 ft bgs depth intervals) were collected at each soil boring with the exception of one boring (TRC-SB4) where only one sample was collected.

In total, nine soil samples, five groundwater samples, five soil vapor samples, and one ambient air sample were collected for laboratory analysis. All nine soil samples were analyzed for VOCs, SVOCs and RCRA Metals. Three of the nine soil samples were also analyzed for pesticides, PCBs, hexavalent chromium, cyanide and total petroleum hydrocarbons (TPH). Two of the nine soil samples were also analyzed for lead via TCLP. All groundwater samples were analyzed for VOCs, SVOCs, and RCRA Metals (filtered only). In addition, one groundwater sample was analyzed for NYCDEP's Sewer Discharge Parameters. All soil vapor and ambient air samples were analyzed for VOCs by USEPA Method TO-15.

The surface topography of the property was noted to be generally flat. The elevation of the property was about 12 feet above mean sea level (amsl). Borings were advanced to about 15 feet bgs and depth to groundwater ranged from 11.7 to 12.6 feet bgs. TRC did not evaluate groundwater flow direction, but rather presumed a hydraulic gradient to northwest towards the East River based on surface topography and promixity to the East River. The subsurface stratigraphy was reported to consist of a layer of fill material of varying thickness composed of silty sand, ash and brick fragments. Fill material was generally encountered from ground surface to about 10 feet bgs. Native soil composed of brown fine sand and silt was encountered below the layer of fill material and was generally encountered from about 3 feet bgs to about 15 feet bgs, depending on boring/well location. TRC recorded no PID readings above background and

did not observe visual or olfactory evidence of contamination in any soil samples. TRC did not identify any areas with gross contamination during the Phase II ESI.

The geophysical survey revealed evidence of a major anomaly north of the existing one-story building and west of the former office trailer, which could not be resolved due to excessive geophysical noise (i.e. parked cars). The major geophysical anomaly was attributed to a potential UST.

The analytical soil results were compared to 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs. The groundwater analytical results were compared to NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Waters. The soil vapor samples were compared to the Air Guidance Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance October 2006) and indoor air background database concentrations presented in Appendix C of the NYSDOH Guidance, including Upper Fence Limit Indoor Air Values from "Table C-1 NYSDOH 2003: Study of VOCs in Air of Fuel Oil Heated Homes," 90th Percentile Indoor Air Values from "Table C-2 – EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method," and the 95th Percentile Indoor Air Values from "Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air." The ambient air sample was compared to the NYSDOH AGVs, background concentrations of VOCs in outdoor air measured by the NYSDEC at PS 274 (Site No. 7095-98), and the indoor air background data base concentrations listed above.

The tabulated analytical results compared to appropriate criteria are presented in TRC's Phase II ESI Report, which is included in Appendix B. A summary of the soil, groundwater, soil vapor and ambient air analytical results and our conclusions/interpretations of the analytical data are presented below.

TRC Soil Results – 2008

- No VOCs were detected in soil samples above their Unrestricted Use SCOs. One VOC (naphthalene) was detected at an estimated concentration below its Unrestricted Use SCO in TRC-SB1 from the 1-4 feet bgs depth interval.

- Eleven SVOCs (all PAHs) were reported at concentrations above their Unrestricted Use SCOs in one or more soil samples. Concentrations of PAHs above their Unrestricted Use SCOs were found across the 1-9 feet bgs depth interval. Concentrations of total SVOCs

ranged from not detected (TRC-SB-3 [4-8 ft], TRC-SB-5 [1-4 ft] and TRC-SB-6 [4-8 ft]) up to 608.5 mg/kg (TRC-SB-1 [1-4 ft]).

- Six metals (arsenic, barium, cadmium, chromium, lead, and mercury) were reported at concentrations above their Unrestricted Use SCOs in one or more soil samples. The maximum reported concentrations of metals above their Unrestricted Use SCOs are as follows: arsenic at 22.1 mg/kg (SCO of 13 mg/kg), barium at 1720 mg/kg (SCO of 350 mg/kg), cadmium at 6.03 mg/kg (SCO of 2.5 mg/kg), chromium at 44.6 mg/kg (SCO of 30 mg/kg), lead at 3,400 mg/kg (SCO of 63 mg/kg), and mercury at 0.574 mg/kg (SCO of 0.18 mg/kg). Two soil samples, TRC-SB2 (5-9 ft) and TRC-SB3 (1-4 ft), with total lead concentrations of 3,400 mg/kg and 1,300 mg/kg, respectively, were also analyzed for lead via TCLP. The TCLP lead concentrations for TRC-SB2 (5-9 ft) and TRC-SB3 (1-4 ft) were 2.17 milligrams per liter (mg/L) and 1.17 mg/L, respectively, which are below the maximum toxicity characteristic concentration for lead (5.0 mg/L).

- Three soil samples (TRC-SB1 [4-8 ft], TRC-SB3 [4-8 ft] and TRC-SB5 [4-8]) were analyzed for PCBs and pesticides. No pesticides or PCBs were detected in the three soil samples.

- Three soil samples (TRC-SB1 [4-8 ft], TRC-SB3 [4-8 ft] and TRC-SB5 [4-8]) were analyzed for TPH. TPH was reported at concentrations of 958 mg/kg at TRC-SB3 (4-8 ft) and 42 mg/kg at TRC-SB1 (4-8). TPH was not detected in TRC-SB5 (4-8 ft).

TRC Groundwater Results – 2008

- One petroleum VOC (methyl tert-butyl ether [MTBE]) was detected in one groundwater sample above its TOGS Guidance Value (10 µg/L). MTBE exceeded its TOGS Guidance Value at TRC-GW5 with concentrations of 17 µg/L.

- Two SVOCs (3,3-dichlorobenzidine and 4-chloroaniline) were detected at estimated concentrations below their TOGS Standards or Guidance Values at TRC-GW2.

- One metal (lead) was detected at a concentration above its TOGS Standard (25 µg/L). Lead exceeded its TOGS Standard at TRC-GW2 with a concentration of 47.4 µg/L. No other metals were detected above their TOGS Standards or Guidance Values.

- Groundwater sample TRC-GW5 was analyzed for the NYCDEP Sewer Discharge Parameters. NYCDEP analytes were either not detected or detected below their respective effluent limitation. Total PCBs were not detected.

TRC Soil Vapor and Ambient Air Results – 2008

Seventeen petroleum VOCs and/or chlorinated VOCs were detected in one or more soil vapor samples. NYSDOH established AGVs for three VOCs (methylene chloride, PCE, and trichloroethylene [TCE]). Methylene chloride and PCE were detected in all five soil vapor samples below their AGVs (60 µg/m^3 and 100 µg/m^3, respectively). TCE was detected in two of the five soil vapor samples below its AGV (5 µg/m^3). The highest concentration of PCE (27 µg/m^3) was detected at TRC-SG3. The highest concentration of TCE (1.8 µg/m^3) was detected at TRC-SG4. Benzene, naphthalene and PCE were detected at concentrations above the indoor air background database concentrations presented in Appendix C of the NYSDOH Guidance in TRC-SG4 and TRC-SG5, TRC-SG1 and TRC-SG3, respectively.

Eleven petroleum VOCs and/or chlorinated VOCs were detected in the ambient air sample below the indoor air background database concentrations presented in Appendix C of the NYSDOH Guidance. 1,2,4-Trimethylbenzene, carbon tetrachloride, chloromethane, ethylbenzene and PCE were detected at concentrations marginally above the background concentrations of VOCs in outdoor air measured by the NYSDEC at PS 274 (Site No. 7095-98). Methylene chloride and PCE were detected at concentrations below their AGVs. TCE was not detected in the ambient air sample.

Conclusions/Interpretations – TRC Phase II ESI Report

Based on our review of TRC's Phase II ESI Report, the PAHs identified in soil were generally uniformly distributed across the sampling area and generally limited to the upper ten feet of subsurface material. The PAHs are primarily attributed to the presence of pyrogenic historic fill material (i.e. ash), which was noted in most of the completed borings at the property. The concentrations of PAHs in soil are regarded as background concentrations and considered as characteristic of properties in the urban environment.

The suite of metals and their concentrations detected in soil across the sampling area (including arsenic, cadmium, chromium, lead, and mercury) are characteristic of and attributed to historic fill material. TRC did not identify potential current or historical sources of heavy metals related to industrial and/or commercial activity on the property in its Phase I ESA report. The

concentrations of metals in soil are regarded as background concentrations and considered as characteristic of properties in the urban environment.

The petroleum constituent (MTBE) identified in groundwater at TRC-GW5 may be attributed to an off-site source. TRC's boring log for TRC-SB5 did not indicate evidence of petroleum contamination in soil. No petroleum constituents (VOCs or SVOCs) were detected in the soil samples collected at TRC-SB5. Therefore, neither the boring log nor the analytical soil data indicated evidence of petroleum contamination in soil at this location.

The SVOCs identified in groundwater at TRC-GW2 above their TOGS Standards or Guidance Values were not detected in soil, but are attributed to historic fill material, which extended to the groundwater interface at this sampling location. Lead was detected in groundwater at TRC-GW2 above its TOGS Standard and was also detected in soil at this location (473 mg/kg at TRC-SB2 [1-4'] and 3,440 mg/kg at TRC-SB2 [5-9']). The presence of lead in groundwater is attributed to historic fill material, which extended to the groundwater interface at this location.

The VOCs (benzene, naphthalene, PCE and TCE) identified in soil vapor at the property may be attributed to an off-site source as neither compound was detected in soil or groundwater at the property. The soil vapor concentrations of TCE and PCE are below the minimum soil vapor thresholds of Matrix 1 and Matrix 2, respectively, and, therefore, may not require further action (monitoring and/or mitigation).

2.2 Summary of Conclusions/Interpretations of Previous Environmental Investigations

The results of previous environmental studies are consistent with the historical property use and confirmed the presence of historic fill material[10] across the site and on off-site property. The analytical results are consistent with what one would expect to find on urban waterfront property across New York City.

As important as what was indicated by previous environmental studies is what was not indicated by previous environmental studies:

[10] As defined by NYS DEC's DER-10 Technical Guidance for Site Investigation and Remediation, Section 1.3 (b) 25: "Historic fill material" means non-indigenous or non-native material, historically deposited or disposed in the general area of, or on, a site to create useable land by filling water bodies, wetlands or topographic depressions, which is in no way connected with the subsequent operations at the location of the emplacement, and which was contaminated prior to emplacement. Historic fill may be solid waste including, but not limited to, coal ash, wood ash, municipal solid waste incinerator ash, construction and demolition debris, dredged sediments, railroad ballast, refuse and land clearing debris, which was used prior to October 10, 1962. [see 6 NYCRR 375-1.2(x)]

- The types and localized distribution of volatile and semivolatile constituents in soil, groundwater and soil vapor do not suggest widespread releases of petroleum or hazardous substances on the site and on off-site property. The only indication of a localized petroleum release was identified in the southwestern portion of the site near MW-1.

- Although the property functioned as a lumber yard for almost a century, there was no indication in soil or groundwater that lumber treatment (e.g. creosote) occurred with any frequency, if at all, across the site or on off-site property.

- No indication of primary or secondary sources of PCBs was observed across the site or on off-site property. Very low concentrations of PCBs (generally, parts per billion levels) were found in localized areas within historic fill material across the site and on off-site property. The concentrations and distribution of PCBs are consistent with what might be expected in typical historic urban fill material. No historic uses of the site and off-site property were identified that would be associated with a high likelihood of PCBs use. No evidence of carrier fluids or other secondary sources were identified across the site or on off-site property. Thus, the presence of PCBs in on-site and off-site soil is likely associated with historic fill material. No PCBs were detected in on-site and off-site groundwater.

- The suite of metals and their concentrations detected in soil across the site and on off-site property are characteristic of and attributed to historic fill material. No potential current or historical sources of heavy metals related to industrial and/or commercial activity on the site or on off-site property were identified by previous environmental studies. The concentrations of metals in soil on-site and off-site are regarded as background concentrations and considered as characteristic of properties in the urban environment.

- No hazardous waste was detected in any samples collected on-site or off-site.

2.3 Summary of Regulatory Correspondence

No pertinent regulatory correspondence related to the site is available at this time.

3.0 REMEDIAL INVESTIGATION

The objectives of the RI are to supplement the findings of previous studies and potential impacts from hydraulically up-gradient and off-site potential sources of contamination (including the NuHart State Superfund Site), as well as to evaluate soil, groundwater and soil vapor quality across the site to satisfy OER requirements. The parcels will be developed in a phased approach starting with Parcels E3, D1, D2, F, G and H. The projected development schedule for the initial six parcels is one to five years; the projected development schedule for other parcels is greater than five years. Therefore, the remedial investigation will begin on Parcels E3, D1, D2, F, G and H only upon OER approval of this RIWP. We will notify the OER in writing of GLA's intention to proceed with the investigation of other development parcels. The timing of such written communications will be based on GLA's development schedule.

3.1 Conceptual Site Model

Although AKRF's Phase I ESA identified a long and diverse industrial and commercial history for the site and surrounding properties, the analytical results generated by subsequent environmental investigations were consistent with historical property use and did not indicate significant soil and/or groundwater contamination. Our conceptual site model (CSM), based on the findings of previous environmental investigations, demonstrates that subsurface contamination in soils by SVOCs, PCBs, pesticides and heavy metals is primarily attributed to presence of historic fill material across the site, while subsurface contamination with respect to petroleum constituents and PCE in soil and groundwater are attributed to known historical on-site releases, potential historical on-site releases, and/or potential off-site sources and are confined to localized areas. None of the previous analytical results indicate evidence of significant releases of petroleum or hazardous substances to the subsurface.

3.2 Areas of Concern (AOCs)

A review of AKRF's Phase I ESA Report and Phase II Investigation Report and state regulatory databases identified on-site and off-site environmental conditions warranting further investigation and/or delineation. These on-site and off-site environmental conditions are presented on Figure 11 and summarized in the tables below. Several of the environmental conditions cited in AKRF's Phase I ESA Report were evaluated by AKRF's 2001 and 2003 Phase II ESI and not found to have significantly impacted surface and subsurface conditions at the site and, thus, were intentionally omitted from the tables below.

On-Site Areas of Concern		
Parcel ID	**Environmental Condition**	**Recommended Action**
A	Closed status NYSDEC Spill No.: 01-06864	Delineate
	Groundwater contamination (petroleum) at MW1	Delineate
	Closed status NYSDEC Spill No.: 12-05458. The spill is associated with contamination found during water line repair work.	Delineate
	Historical on-site petroleum bulk storage (one 275-gallon hydraulic oil AST, one 275-gallon motor oil AST, and twenty 55-gallon drums of petroleum)	Investigate
B2	Groundwater contamination (petroleum) at MW7	Delineate
C1/C2	Highest recorded concentrations of total SVOCs and metals	Delineate
	Potential on-site petroleum bulk storage (one 11,500-gallon fuel oil UST)	Investigate
CP2	Historical on-site petroleum bulk storage (one abandoned-in-place 1,000-gallon fuel oil UST)	Investigate
E1	Historical use as an automobile repair garage	Investigate
E2	Groundwater contamination (PCE) at MW11 Groundwater contamination (MTBE) identified by TRC Soil vapor contamination (Benzene, PCE and TCE) identified by TRC	Delineate
F	Groundwater contamination (petroleum) at MW13A	Delineate

Off-Site Areas of Concern		
Property Address	**Environmental Condition**	**Recommended Action**
280 Franklin Street	Former NuHart Plastics State Superfund Site (Site No.: 224136) Open NYSDEC Spill Case (Spill No.: 06-1852) Free product plumes (dark brown phthalates/paraffinic oil, yellow phthalates, and petroleum). The free product plume of yellow phthalates does not appear to be migrating off-site in a northwesterly direction, but does appear to the migrating off-site in a southwesterly direction based on our review of previous environmental reports for the NuHart site recently obtained from the NYSDEC via a Freedom of Information Law (FOIL) request.	Investigate

3.3 Investigation Rationale and Approach

The RI will be performed to investigate and to further evaluate the on-site and off-site areas of concern presented above, to confirm previous findings and conclusions relative to the AOCs presented above, and to characterize soil, groundwater and soil vapor quality across the remainder of the site to satisfy OER requirements. A total of 25 subsurface soil vapor points and about 20 soil borings and 20 permanent groundwater monitoring wells will be completed as part of the RI.

Because the site will be developed in a phased approach starting with Parcels E3, D1, D2, F, G and H, the RI will begin on Parcels E3, D1, D2, F, G and H only. We will notify the OER in writing of GLA's intention to proceed with the investigation of other development parcels. The timing of such written communications will be based on GLA's development schedule. The written notifications will seek specific written approval from the OER to proceed with the investigation of a subsequent development parcel(s) in accordance with the approved RIWP and include the following items:

- Identification of the subsequent parcel(s) to be investigated;

- Updates to the proposed development plans for the subsequent parcel(s);
- An update to the previous environmental investigations section of the approved RIWP to document the results of investigations performed on earlier phases of the project.
- Figures from the approved RIWP with the subsequent parcel(s) shaded/highlighted;
- Tables from the approved RIWP with applicable data grouped by subsequent parcel(s);
- A summary of the number of soil borings, monitoring wells, and soil vapor sampling points to be completed on the subsequent parcel(s) in accordance with the approved RIWP;
- References to the sampling methodology specified in the approved RIWP;
- Any proposed deviations from the approved RIWP; and
- A statement that a remedial investigation report (RIR) and one or more remedial action reports (RAP) will be prepared upon completing the remedial investigation of the subsequent parcel(s).

The initial and all subsequent remedial investigtions will be completed in two-phased approach. Phase 1 of the remedial investigations will consist of a geophysical survey and soil vapor sampling program. The purpose of Phase 1 is to characterize soil vapor quality across the site and to help serve as a diagnostic tool for selecting the locations of additional soil and groundwater sampling locations. Phase 2 of the remedial investigations will involve installing and sampling of additional soil borings and monitoring wells and sampling existing on-site monitoring wells located during the GPR survey to further evaluate identified soil vapor conditions and both on-site and off-site areas of concern. After the completion of Phase 1, an interim report will be prepared and presented to the OER. The interim report may include a modified figure of proposed soil borings and monitoring wells based on the results of the geophysical survey and soil vapor sampling program. This interim report is discussed in further detail in Section 3.6 below.

A detailed rationale for each of the proposed sampling locations is presented below.

- SV-1 through SV-12 will be completed to characterize soil vapor quality across Parcels E3, D1, D2, F, G and H, as well as to augment the additional soil and groundwater data.

- SV-13 through SV-25 will be completed to characterize soil vapor quality across all other parcels, as well as to augment the additional soil and groundwater data. SV-14 will also serve to confirm soil vapor contamination (benzene, PCE and TCE) identified at Parcel E2 by TRC.

- MW-16 will be completed to further characterize soil and groundwater quality at the site.
- MW-17 will be completed to evaluate potential subsurface petroleum contamination from on-site historical bulk storage.
- MW-18, MW-19 and MW-20 will be completed to confirm absence of on-site contamination from a potential off-site source (Former NuHart Plastics State Superfund Site).
- MW-21 and MW-22 will be completed to further delineate groundwater contamination (petroleum) identified at MW-13A.
- MW-23 and MW-24 will be completed to further characterize soil and groundwater quality at the site.
- MW-25 will be completed to evaluate subsurface petroleum impacts associated with the abandoned-in-place 1,000-gallon fuel oil UST.
- MW-26 will be completed to further delineate groundwater contamination (PCE) identified at MW-11 and groundwater contamination (MTBE) identified at a temporary monitoring well (TRC-GW5) by TRC. MW-28 will also serve to confirm absence of on-site contamination from a potential off-site source (Former NuHart Plastics State Superfund Site).
- MW-27, MW-28, and MW-29 will be completed to further delineate the quality of historic fill material in the area where the highest concentrations of SVOCs and heavy metals were previously recorded.
- MW-30 will be completed to further characterize soil and groundwater quality at the site.
- MW-31, MW-32, MW-33 and MW-35 will be completed to further delineate groundwater contamination (petroleum) identified at MW-1 and MW-7.
- MW-34 will be completed to evaluate subsurface petroleum impacts related to Spill No.: 12-05458.

3.4 Investigation Procedures

A one-call utility mark-out will be completed in accordance with local laws and regulations to locate buried electric, natural gas, and telecommunication utilities, etc. prior to invasive work in

the public right-of-way.

Phase 1

Geophysical Survey

A geophysical consultant will conduct a geophysical survey using ground penetrating radar (GPR) and electromagnetic detection equipment across the entire site prior to commencement of intrusive field activities (i.e., soil borings, monitoring well, soil vapor probe installations). The survey area will include potential underground tank locations as identified by previous investigations and proposed soil vapor probe, soil boring, and monitoring well locations. The geophysical survey will also help locate existing monitoring wells that may be covered by surface soil and vegetation. Survey coverage may be limited by the presence of staged materials and equipment (i.e. shipping containers). Potential underground tank locations at the site include:

- Parcel A: One 550-gallon gasoline UST.
- Parcels C1/C2: Potential on-site petroleum bulk storage (one 11,500-gallon fuel oil UST).
- Parcels F: Potential historical on-site petroleum bulk storage.

Soil Vapor Sampling

The proposed soil vapor sampling locations are presented on Figure 12. Sampling locations may be adjusted based on conditions in the field. A GPS hand-held unit will be used to locate the proposed soil vapor collection points. The location and elevation of the sampling points (top of manhole cover) will be surveyed by a licensed NYS surveyor. Field sampling will comply with safety guidelines outlined in the site-specific HASP (Appendix A).

A total of 25 permanent, sub-surface soil vapor collection points will be installed and a total of 25 soil vapor samples will be collected and analyzed. In addition, two field duplicate samples and about five ambient air samples (one per sampling day) will be collected and analyzed for QA/QC purposes.

Installation of soil vapor collection points and sample collection will be performed in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance October 2006). Soil vapor sample points will be installed in soil borings advanced to a depth comparable to the anticipated depth of foundation footings or at least one

foot above the water table, whichever is shallower, using a Geoprobe® direct-push drill rig. Sample collection points will consist of a stainless steel screened probe and inert sampling tubing (i.e. polyethylene or Teflon). The annulus around the probe (i.e. the sampling zone) will be filled with coarse sand to about six inches above the top of the probe. A three-foot hydrated bentonite seal will be installed above the sampling zone. The annulus around the inert sampling tube will be filled with coarse sand up to a cement or cement-bentonite surface seal. A flush-mounted three-inch manhole cover will be installed at the surface to facilitate resampling in the future. A ball-valve will be inserted into the top of the sampling tube to keep the tube clean and dry.

Sampling will occur at a minimum of 24 hours after installation of each soil vapor probe. A minimum of three implant volumes (i.e. the volume of the sample probe and tubing) will be purged from each sample port at a rate of less than 0.2 liters per minute. Readings of volatile organic compounds (VOCs) as detected using a photoionization detector (PID) will be recorded during purge events. The samples will be collected into laboratory-supplied batch-certified clean 1-liter Summa® canisters with flow controllers calibrated for a sampling rate less than 0.005 liters per minute. Each soil vapor sample will be collected for a minimum of two hours. A sample log sheet will be maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols. Ambient air samples will also be collected for a minimum of two hours.

As part of the vapor intrusion evaluation, a helium tracer gas will be used in accordance with NYSDOH protocols to serve as a QA/QC device to document the integrity of the soil vapor probe seal. A container (box, plastic pail, etc.) will serve to keep the tracer gas in contact with the probe during testing. A helium monitoring device will be used to analyze a sample of soil vapor for the tracer gas prior to sampling. If the tracer sample results show a significant presence of the tracer, the probe seals will be adjusted to prevent infiltration. At the conclusion of the sampling round, tracer monitoring will be performed a second time to confirm the integrity of the probe seals.

Phase 2

Soil Sampling

The proposed soil boring locations are presented on Figure 13. The number and location of soil borings are subject to change based on the findings of Phase 1 and subsequent consultation with

the OER. A GPS hand-held unit will be used to locate the proposed soil boring locations. A total of about 20 soil borings will completed by a licensed drilling contractor under the supervision of Langan field staff. Field sampling will comply with safety guidelines outlined in the site-specific HASP (Appendix A).

Soil borings will be completed with a Geoprobe® direct-push drill rig equipped with a dual-tube sampling system to prevent the collapse of sidewall material as the borings are advanced to collect a core representative of the depth interval advanced. Soil samples will be collected continuously into macrocore barrels lined with five-foot dedicated acetate sleeves. If necessary, more advanced drilling equipment and/or technology will be used to complete the investigation. The extracted soil will be screened for total VOCs with a photoionization detector (PID), inspected for visual and olfactory evidence of contamination, and classified by Langan field staff. Field work will be recorded in a field log. Soil borings will be advanced to the groundwater interface or proposed development depth (about 17 feet bgs), whichever is shallower, across the site.

An attempt will be made (contingent upon soil recovery) to collect two discrete (grab) soil samples per boring for laboratory analysis. At each boring location, one soil sample will be collected at the groundwater interface or the proposed development depth (about 17 feet bgs), whichever is shallower. The second soil sample will be collected from the 0 to 2 foot interval below surface cover or from the depth interval exhibiting the highest evidence of contamination based on PID readings and visual or olfactory observations. ENCORE® kits (5-gram) will be used to collect soil samples for VOCs analysis. In addition, two field duplicate samples, two field blank samples, two matrix-spike/matrix-spike duplicate (MS/MSD) samples, and trip blanks (one per cooler) will be collected and analyzed for QA/QC purposes.

Monitoring Well Installation and Groundwater Sampling

The proposed permanent monitoring well locations are presented on Figure 13. The number of monitoring wells and their physical locations may be adjusted based on the results of first phase of the RI and input from the OER. The location and elevations of the new and existing monitoring wells (top of casing) and nearby ground surface will be surveyed by a licensed NYS surveyor. Survey and gauging data will be used to develop a groundwater contour map and confirm the direction of groundwater flow. Field sampling will comply with safety guidelines outlined in the site-specific HASP (Appendix A).

About 20 permanent monitoring wells will be installed and a total of 20 groundwater samples will be collected and analyzed. Langan will attempt to locate and, if accessible and undamaged,

redevelop, gauge and sample the eleven permanent groundwater monitoring wells that were completed as part of AKRF's Phase II ESI. In addition, two field duplicate samples, two field blank samples, two matrix-spike/matrix-spike duplicate (MS/MSD) samples, and trip blanks (one per cooler) will be collected and analyzed for QA/QC purposes.

A permanent monitoring well will be constructed at each completed soil boring with a Geoprobe® drill rig equipped with a hollow-stem auger (HSA) attachment. If the water table is not reached within 15 feet bgs at a proposed location, drilling will continue until the water table is reached. Monitoring wells will be constructed of two-inch Schedule 40 PVC pipe with ten feet of 0.010-inch slotted well screen installed five feet below the water table and five feet above the water table and a #1 Morie pure silica sand primarily filter pack (or equivalent product with 90% of the filter pack retained by the well screen slot size). A one-foot annular seal of hydrated bentonite will be installed above the primary filter pack. The annulus around solid PVC pipe will be filled with pure silica sand up to a cement or cement-bentonite surface seal. All completed monitoring wells will be fitted with a locking well cap, a protective case and flush-mounted manhole cover. New monitoring wells (and existing monitoring wells) will be developed after it is constructed with a submersible pump (a Grundfos RediFlo or equivalent) and dedicated Teflon-lined polyethylene tubing until the purged water is visually clear.

One groundwater sample will be collected from each monitoring well in general accordance with NYSDEC DER-10 and USEPA's Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells. The groundwater samples will be collected about one week after the monitoring wells are installed using a submersible pump (Grundflos Redi-Flo or equivalent) connected to Teflon-lined polyethylene tubing. Before the groundwater sample is collected, the well will be gauged and then continuously purged until all groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) have stabilized, to the extent practicable, in accordance with the USEPA Low Flow Procedures. A multi-parameter water quality system (YSI 6920 or equivalent) will be used to monitor the groundwater quality parameters. Stabilization is achieved when three consecutive readings of all parameters, to the extent practicable, are within the limits specified in the USEPA Low Flow Procedures. Should the turbidity of the groundwater remain high or not stabilize, or if the well is found to be low yielding, a groundwater sample will be collected; such occurrences will be noted and explained in the RIR. Purged groundwater will be containerized in properly labeled 55-gallon steel drums and stored on-site prior to off-site disposal.

Investigation Derived Waste

Drill cuttings will be returned to the borehole from which they were generated within 24 inches of the surface unless:

- Free product or grossly contaminated soil are present in the cuttings;
- The borehole has penetrated an aquitard, aquiclude or other confining layer, or extends significantly into bedrock; or
- The soil cannot fit into the borehole.

Drill cuttings requiring on-site management prior to off-site disposal at a permitted facility will be containerized in properly labeled DOT-approved 55-gallon drums. All boreholes that cannot be backfilled with drill cuttings because of one or more of the above conditions will be filled with hydrated bentonite chips and/or capped with asphalt or concrete. Disposable sampling equipment (including spoons, gloves, bags, paper towels, etc.) that was in contact with environmental media will be double-bagged and disposed as non-hazardous municipal trash in a trash dumpster.

3.5 Sample Analysis

Soil vapor samples and QA/QC samples (field duplicates and ambient air samples) will be submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory via courier service under standard chain-of-custody protocol for the following analyses:

- VOCs via USEPA Method TO-15

Soil and groundwater samples and QA/QC samples (field duplicates, trip blanks, field blanks and MS/MSD samples) will be submitted to a NYSDOH LAP-certified laboratory via courier service under standard chain-of-custody protocol for the following analyses:

- VOCs via USEPA Method 8260
- SVOCs via USEPA Method 8270
- Pesticides/PCBs via USEPA Method 8081/8082
- Herbicides via USEPA Method 8151
- Target Analyte List metals by USEPA Method 6010 and 7471

- Total Cyanide via USEPA Method 9010/9012
- Hexavalent Chromium via USEPA Method 3060/7196

Groundwater samples will be analyzed for both unfiltered (total) and filtered (dissolved) metals.

Trip blanks will be analyzed for VOCs only via USEPA Method 8260C.

If either light non-aqueous phase liquid (LNAPL) and/or dense non-aqueous phase liquid (DNAPL) are detected, a product sample will be collected for a fingerprint analysis and any required regulatory reporting (i.e., NYSDEC Spill Hotline) will be performed.

The laboratory will be instructed to report all analytical data as an Analytical Services Protocol (ASP) Category B data deliverables and as an Electronic Data Deliverable (EDD) consistent with the NYSDEC requirements. The reported list of soil and groundwater analytes shall be inclusive of all analytes listed in the Target Compound List (TCL)/TAL standard list, 6 NYCRR Part 375-6.8, and the NYSDEC Commissioner's Policy CP-51.

3.6 Reporting

Interim GPR/Soil Vapor Report

Interim GPR/soil vapor reports will be prepared after completing Phase 1 of the intial and all subsequent remedial investigations and reviewed with the OER to determine whether the number and proposed location of soil borings and groundwater monitoring wells in Phased 2 of the RI is appropriate and whether relocation of soil borings/monitoring wells and/or additional soil, groundwater, and/or soil vapor sampling is warranted. The reports will present the results of the geophysical survey and the soil vapor investigation; the reports will include tabulated soil vapor analytical data. The reports may also include a modified figure of the proposed soil boring and monitoring well locations to the extent that the soil vapor data results a need to revise the number and/or location of the proposed soil borings/monitoring wells.

The soil vapor analytical data will be compared to the NYSDOH AGVs and Matrices 1 and 2. In addition, the soil vapor results will be compared to several indoor air background database concentrations presented in Appendix C of the NYSDOH Guidance, including Upper Fence Limit Indoor Air Values from "Table C-1 NYSDOH 2003: Study of VOCs in Air of Fuel Oil Heated Homes," 90th Percentile Indoor Air Values from "Table C-2 – EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method," and the 95th

Percentile Indoor Air Values from "Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air".

Remedial Investigation Report and Remedial Action Plans

After completing Phase 1 and 2 of the intial RI and any additional subsurface investigations required by the OER, we will prepare a remedial investigation report (RIR) for the initial six parcels and one or more remedial action plans (RAP) depending on each parcel's design and development schedule. We will also prepare remedial investigation reports and remedial action plans after completing the remedial investigations on all subsequent development parcels. The RIRs will present the sampling methodology, observations, analytical results, conclusions in regards to the extent of any areas of identified impacts and recommendations for any further assessment or remedial action, as warranted. In addition, the RIRs will include a summary of the historical use of the property, the results of the geophysical survey, a description of general site conditions, scaled figures, tabulated analytical data with comparisons to applicable regulatory criteria, soil boring and well construction logs, and laboratory analytical reports. The RAPs will describe the remediation and/or mitigation activities to be implemented at the parcel(s) in coordination with the OER for the purposes of satisfying the requirements of the Hazardous Materials E-Designation Program and obtaining a Notice To Proceed.

Soil analytical results will be compared to the 6 NYCRR Part 375-6.8(a,b) Unrestricted Use and Restricted Use-Restricted Residential SCOs. The groundwater analytical results will be compared to the Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Waters. The soil vapor analytical results will be compared to the regulatory criteria noted in the previous section.

4.0 QUALITY ASSURANCE/QUALITY CONTROL

4.1 Quality Assurance/Quality Control Procedures

QA/QC procedures will be used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures will be used (1) to document that samples are representative of actual conditions at the site and (2) identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses will be used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process. A summary of the field and laboratory QA/QC procedures is provided below.

4.2 Field QA/QC

Field QA/QC for soil, groundwater and soil vapor sampling will include the following procedures:

- Calibration of field equipment, including PID, on a daily basis;
- Analysis of duplicate samples, field blanks and MS/MSD samples (soil and groundwater sampling);
- Analysis of duplicate samples and ambient air samples (soil vapor sampling);
- Analysis of trip blanks (soil and groundwater sampling);
- Use of dedicated and/or disposable field sampling equipment;
- Proper sample handling and preservation;
- Proper sample chain of custody documentation; and
- Completion of report logs.

The above procedures will be executed as follows:

- Duplicate samples (soil, groundwater, and soil vapor) will be collected to evaluate field sampling precision or reproducibility of measurements of the same parameter under the

given set of conditions;

- Disposable sampling equipment, including acetate sleeves, latex gloves, and disposable bailers (or sample tubing), will be used to minimize cross-contamination between samples;

- For each of the parameters analyzed, a sufficient sample volume will be collected to adhere to the specific analytical protocol, and provide sufficient sample for reanalysis if necessary;

- Because plasticizers and other organic compounds inherent in plastic containers may contaminate samples requiring organic analysis, samples will be collected in glass containers, with the exception of the nitrate-preserved groundwater sample for metals analysis;

- Appropriate sample preservation techniques, including cold temperature storage at 4º C, will be utilized to ensure that the analytical parameters concentrations do not change between the time of sample collection and analysis; and

- Samples will be analyzed prior to the expiration of the respective holding time for each analytical parameter to ensure the integrity of the analytical results.

4.3 Sample Custody

Sample handling in the field will conform to appropriate sample custody procedures. Field custody procedures include proper sample identification, chain-of-custody forms, and packaging and shipping procedures. Sample labels will be attached to all sampling bottles before field activities begin to ensure proper sample identification. Each label will identify the site and sample location. Styrofoam or bubble wrap will be used to absorb shock and prevent breakage of sample containers. Ice or ice packs will be placed in between the plastic bags for sample preservation purposes.

After each sample is collected and appropriately identified, the following information will be entered into the chain-of-custody form:

- Site name and address;

- Sampler name and signature;

- Names and signatures of persons involved in the chain of possession of samples;
- Sample number;
- Number of containers;
- Sample location;
- Date and time of collection;
- Type of sample, sample matrix and analyses requested; and
- Preservation used (if any).

The sampler will sign and date the "Relinquished" blank space prior to removing one copy of the custody form and sealing the remaining copies of the form in a Ziploc plastic bag taped to the underside of the sample cooler lid. The sample cooler will be sealed with tape prior to delivery or shipment to the laboratory.

4.4 Report Logs

Field logs, borings logs and monitoring well sampling logs will be completed during the course of the RI.

A field log will be completed on a daily basis and will include the following information:

- Project number, project name, and site address;
- The date and time;
- The weather conditions;
- On-site personnel and associated affiliations;
- Description of field activities; and
- Pertinent sample collection information including sample identification numbers, description of samples, location of sampling points, number of samples taken, method of sample collection and any factors that may affect its quality, time of sample collection, name of sampler, and field screening results.

A soil vapor sampling log will be completed for each collection point and will include the following information:

- Sample ID;
- Date and time of sample collection;
- Sampling depth;
- Sampler name;
- Sampling methods and devices;
- Soil vapor purge volumes;
- Volume of the soil vapor extracted;
- Vacuum of canisters before and after the samples are collected; and
- Apparent moisture content of the sampling zone; and
- Type of analysis and chain of custody information.

A boring log will be completed for each boring and will include the following information:

- Boring ID;
- Project number, project name, site address;
- Date started and ended;
- Sampler name, drilling company name, and method used;
- Total boring depth and water table depths; and
- Pertinent soil sample information including sample number, depth interval, amount recovered, color, composition, percent moisture, visual and olfactory observations of contamination, and PID readings.

A monitoring well development log will be completed for each well developed (new and existing) and will include the following information:

- Well ID;
- Project number, project name, site address;
- Total well depth, well diameter and screened interval;
- Pump intake depth, depth to water prior to pump placement, depth to water after pump placement;
- Time, pumping rate and depth to water for readings of water quality parameters (pH, specific conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential); and
- Total approximate volume of purged groundwater.

A monitoring well sampling log will be completed for each well sampled (new and existing) and will include the following information:

- Well ID;
- Project number, project name, site address;
- Date and time of sample collection;
- Total well depth, well diameter and screened interval;
- Pump intake depth, depth to water prior to pump placement, depth to water after pump placement;
- Time, pumping rate and depth to water for readings of water quality parameters (pH, specific conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential); and
- Total approximate volume of purged groundwater.
- Type of analysis.

4.5 Laboratory QA/QC

An ELAP-certified laboratory will be used for all sample analyses. The laboratory will follow the following QA/QC protocols. All samples will be delivered to the laboratory within 24 hours

of sample collection. Samples will be received by laboratory personnel, who will inspect the sample cooler(s) to check the integrity of the custody seals. The cooler(s) will then be opened, the samples unpackaged, and the information on the chain-of-custody form examined. If the shipped samples match those described on the chain-of-custody form, the laboratory sample custodian will sign and date the form on the next "Received" blank and assume responsibility for the samples. If problems are noted with the sample shipment, the laboratory custodian will sign the form and record problems in the "Remarks" box. The custodian will then immediately notify the Project Manager so appropriate follow-up steps can be implemented on a timely basis.

A record of the information detailing the handling of a particular sample through each stage of analysis will be maintained by the laboratory. The record will include:

- Job reference, sample matrix, sample number, and date sampled;
- Date and time received by laboratory, holding conditions, and analytical parameters;
- Extraction date, time and extractor's initials (if applicable), analysis date, time, and analyst's initials; and
- QA batch number, date reviewed, and reviewer's initials.

5.0 SITE-SPECIFIC HEALTH AND SAFETY PLAN

5.1 Site-Specific Health and Safety Plan

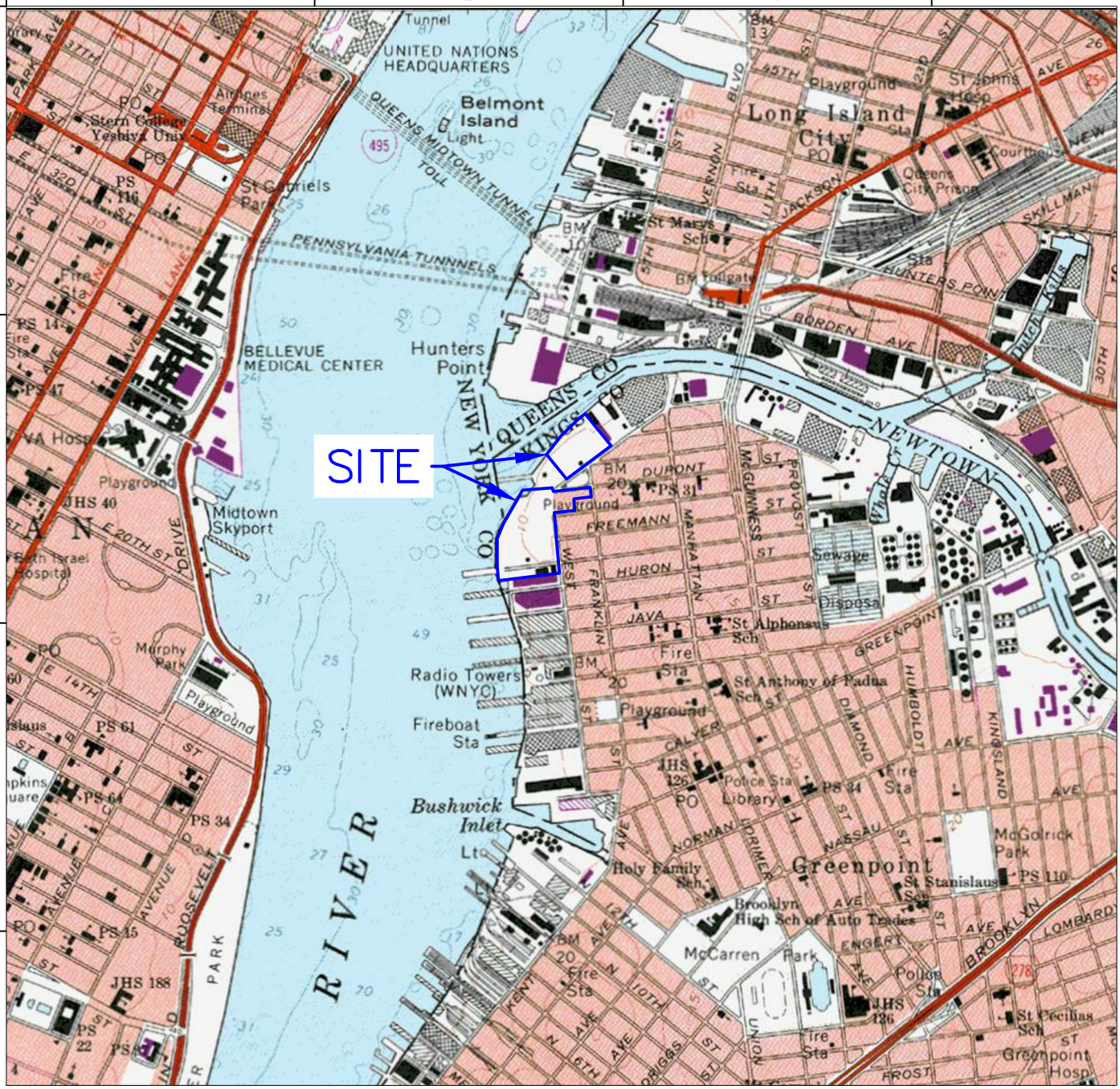
The site-specific Health and Safety Plan (HASP) is included in Appendix A. The Site Safety Coordinator will be Greg Wyka. Investigative work performed under this Work Plan will be in full compliance with applicable health and safety laws and regulations, including site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the investigation work will ensure that performance of work is in compliance with the HASP and applicable laws and regulations.

All field personnel involved in investigation activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the HASP and be required to sign a HASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form. Potential on-site contaminants of concern include VOCs, PAHs, Pesticides/PCBs, and heavy metals (including arsenic, cadmium, copper, lead, mercury, and zinc). Information fact sheets for each contaminant group and/or Material Safety Data Sheets (MSDS) are included in the HASP.

An emergency contact sheet will be included in the HASP and will define the specific project emergency contacts and phone numbers, the names and phone numbers of all pertinent project personnel, and regulatory hotline information.

FIGURES



LEGEND

APPROXIMATE SITE BOUNDARY

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SOURCE: USGS TOPOGRAPHIC QUADRANGLE MAP, BROOKLYN, NY

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Project	Drawing Title	Project No. 170229002	Drawing No.
GREENPOINT LANDING BROOKLYN KINGS NEW YORK	SITE LOCATION MAP	Date 5/10/2013 Scale NTS Drawn By GW Submission Date	1 Sheet 1 of 12

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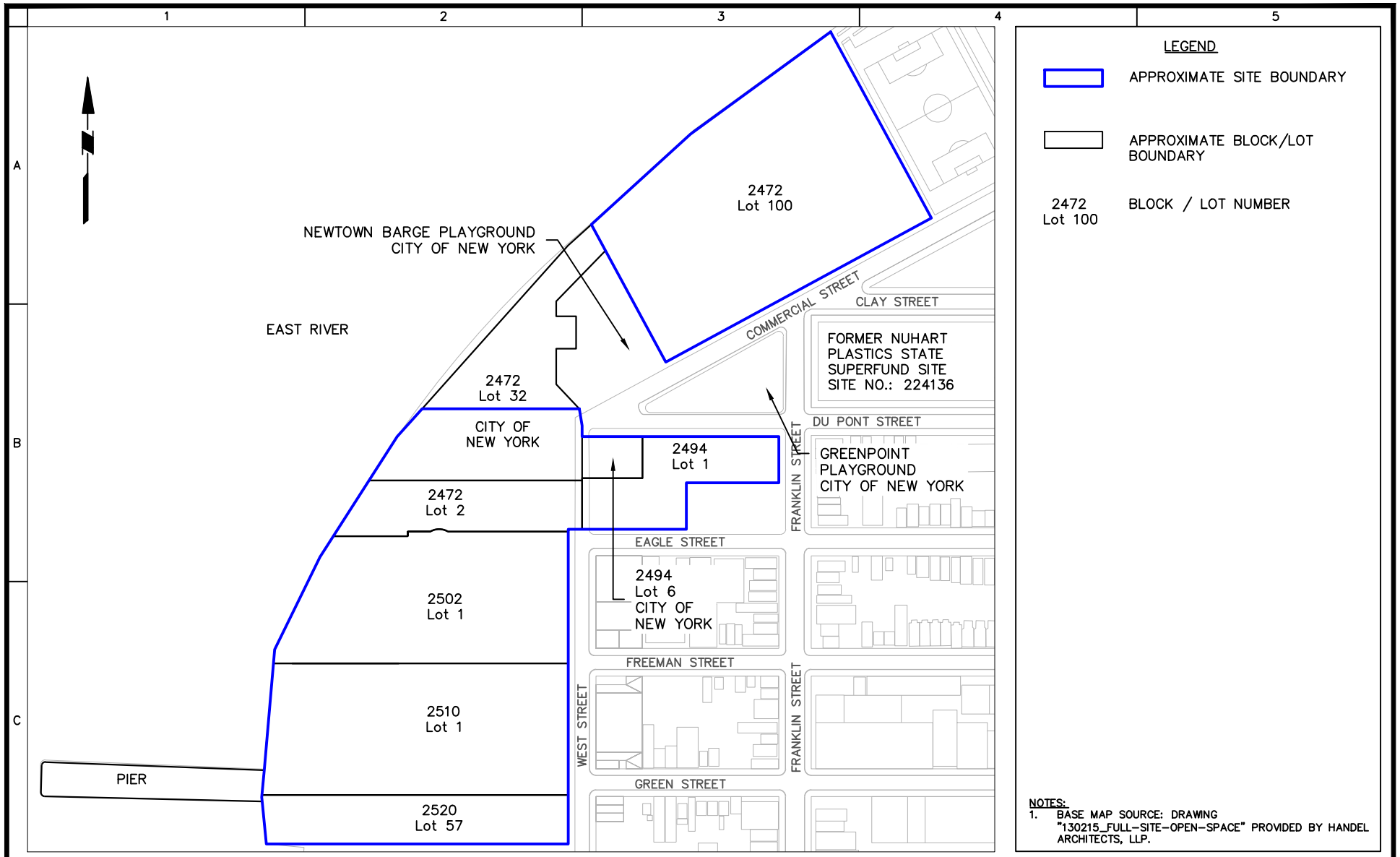

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Project: GREENPOINT LANDING

BROOKLYN

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Drawing Title: CURRENT TAX BLOCKS AND LOTS

Project No. 170229002	Drawing No. 2
Date 6/26/2013	
Scale 1"=300'	
Drawn By GW	
Submission Date	Sheet 2 of 12

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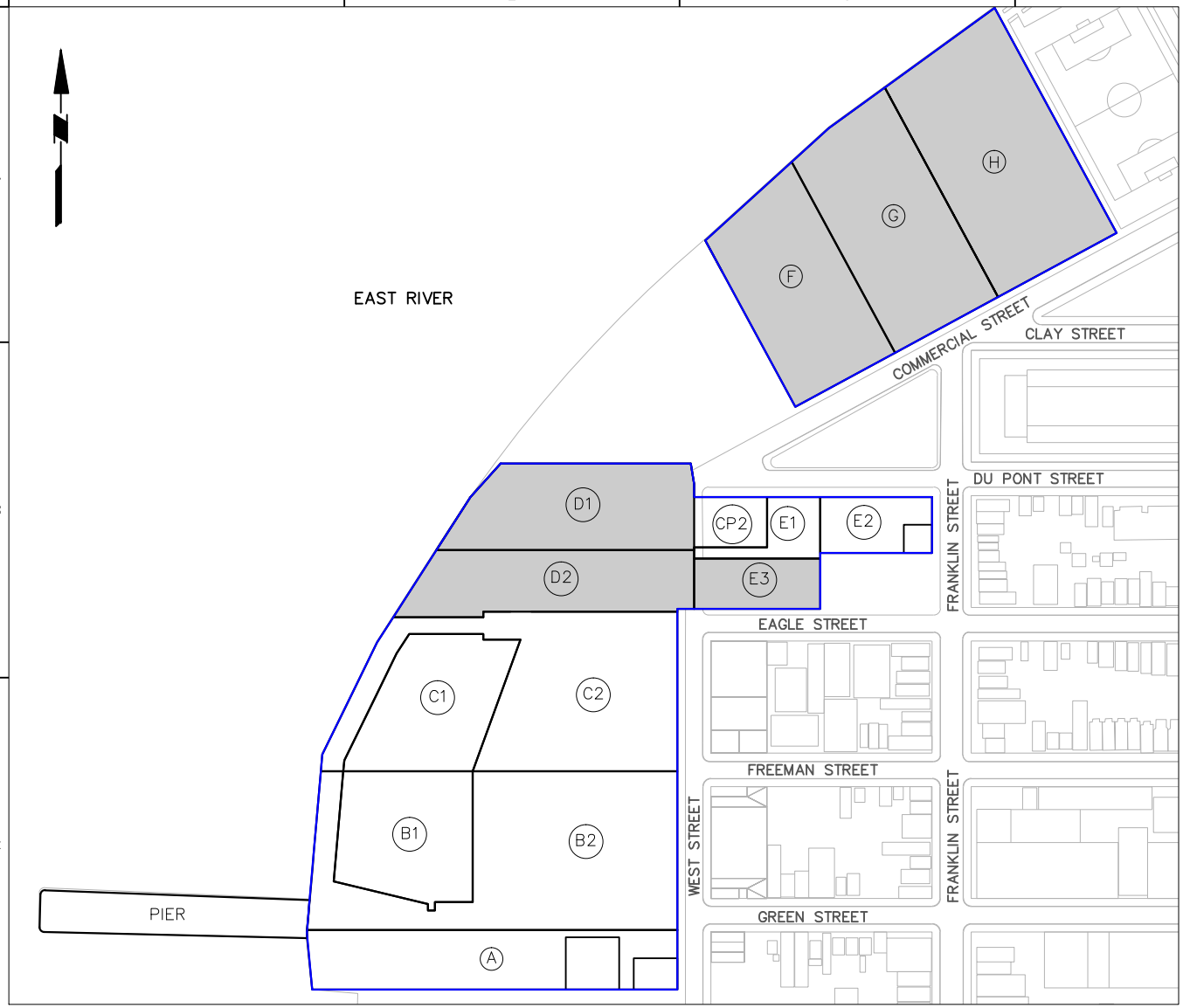

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION
- (A) PARCEL ID

NOTES:

1. BASE MAP SOURCE: DRAWING "310215-FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.

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Drawing Title: PARCEL LAYOUT

Project No. 170229002	Drawing No. 3
Date 7/9/2013	
Scale 1" = 300'	
Drawn By GW	
Submission Date	Sheet 3 of 12

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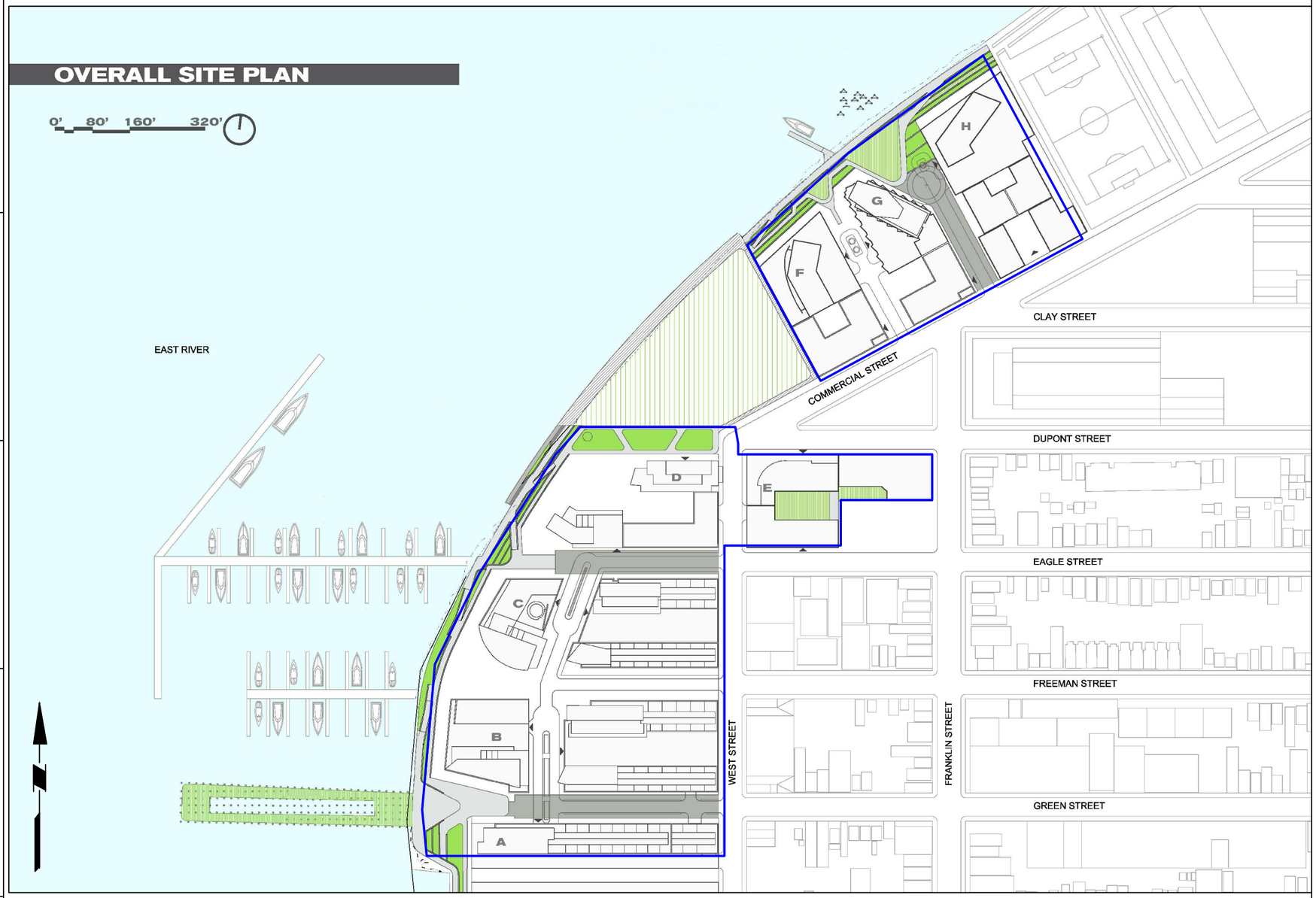

LEGEND

APPROXIMATE SITE BOUNDARY

NOTES:

1. BASE MAP SOURCE: DRAWING "GREENPOINT OVERALL SITE PLAN" PROVIDED BY HANDEL ARCHITECTS, LLP.

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Drawing Title

PROPOSED DEVELOPMENT LAYOUT

Project No. 170229002	Drawing No. 4
Date 6/26/2013	
Scale 1" = 250'	
Drawn By GW	
Submission Date	Sheet 4 of 12

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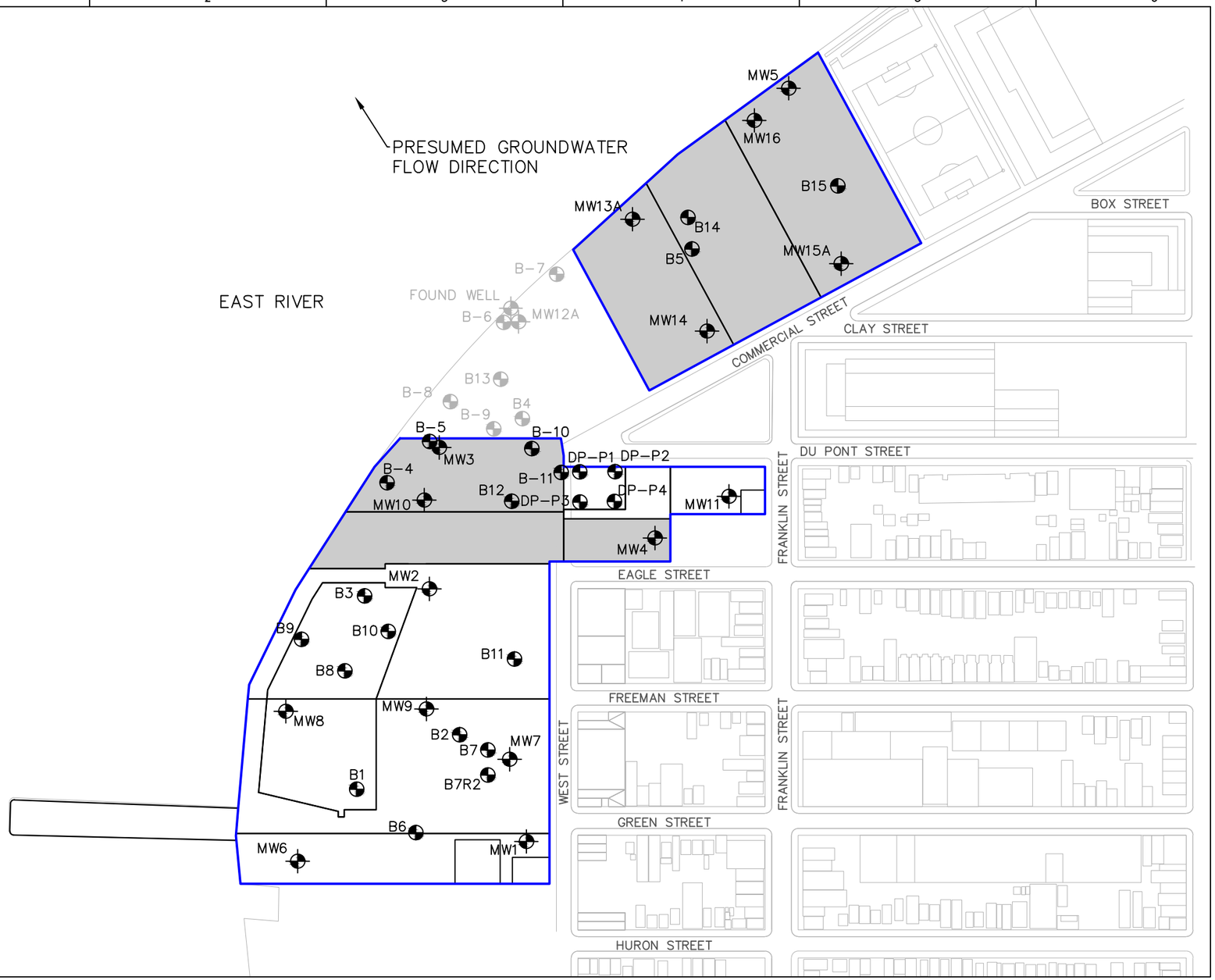

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION
- B1 — PREVIOUS ON-SITE SOIL BORING LOCATION AND ID (AKRF 2001, 2003)
- B4 — PREVIOUS OFF-SITE SOIL BORING LOCATION AND ID (AKRF 2001, 2003)
- MW1 — PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2001, 2003)
- MW12A — PREVIOUS OFF-SITE MONITORING WELL LOCATION AND ID (AKRF 2001, 2003)
- DP-P1 — PREVIOUS ON-SITE BORING LOCATION LOCATION AND ID (NYCDEP 2000) (EAST RIVER SLUDGE STORAGE FACILITY)
- B-4 — PREVIOUS ON-SITE BORING LOCATION AND ID (NYCDEP 2000) (EAST RIVER SLUDGE LOADING DOCK)
- B-6 — PREVIOUS OFF-SITE BORING LOCATION AND ID (NYCDEP 2000) (EAST RIVER SLUDGE LOADING DOCK)

NOTES:
1. BASE MAP SOURCE: DRAWING "310215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. ALL SAMPLING LOCATIONS ARE APPROXIMATE.

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Project: GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title: PREVIOUS ENVIRONMENTAL SAMPLING LOCATIONS

Project No. 170229002	Drawing No. 5
Date 7/9/2013	
Scale 1" = 250'	
Drawn By GW	
Submission Date	Sheet 5 of 13

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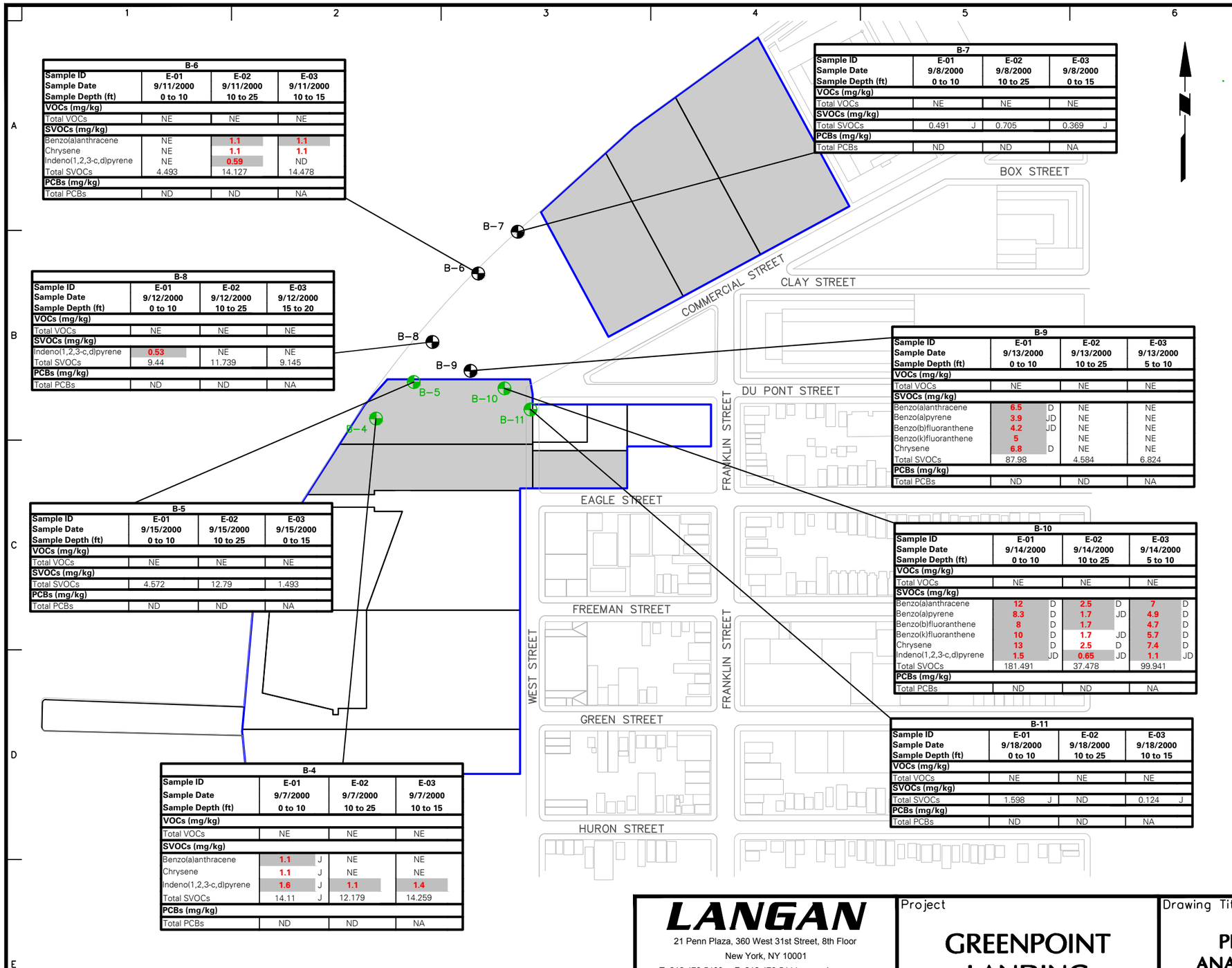

B-6			
Sample ID	**E-01**	**E-02**	**E-03**
Sample Date	**9/11/2000**	**9/11/2000**	**9/11/2000**
Sample Depth (ft)	**0 to 10**	**10 to 25**	**10 to 15**
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Benzo(a)anthracene	NE	**1.1**	**1.1**
Chrysene	NE	**1.1**	**1.1**
Indeno(1,2,3-c,d)pyrene	NE	**0.59**	ND
Total SVOCs	4.493	14.127	14.478
PCBs (mg/kg)			
Total PCBs	ND	ND	NA

B-7			
Sample ID	**E-01**	**E-02**	**E-03**
Sample Date	**9/8/2000**	**9/8/2000**	**9/8/2000**
Sample Depth (ft)	**0 to 10**	**10 to 25**	**0 to 15**
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Total SVOCs	0.491 J	0.705	0.369 J
PCBs (mg/kg)			
Total PCBs	ND	ND	NA

B-8			
Sample ID	**E-01**	**E-02**	**E-03**
Sample Date	**9/12/2000**	**9/12/2000**	**9/12/2000**
Sample Depth (ft)	**0 to 10**	**10 to 25**	**15 to 20**
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Indeno(1,2,3-c,d)pyrene	**0.53**	NE	NE
Total SVOCs	9.44	11.739	9.145
PCBs (mg/kg)			
Total PCBs	ND	ND	NA

B-9			
Sample ID	**E-01**	**E-02**	**E-03**
Sample Date	**9/13/2000**	**9/13/2000**	**9/13/2000**
Sample Depth (ft)	**0 to 10**	**10 to 25**	**5 to 10**
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Benzo(a)anthracene	**6.5** D	NE	NE
Benzo(a)pyrene	**3.9** JD	NE	NE
Benzo(b)fluoranthene	**4.2** JD	NE	NE
Benzo(k)fluoranthene	**5**	NE	NE
Chrysene	**6.8** D	NE	NE
Total SVOCs	87.98	4.584	6.824
PCBs (mg/kg)			
Total PCBs	ND	ND	NA

B-5			
Sample ID	**E-01**	**E-02**	**E-03**
Sample Date	**9/15/2000**	**9/15/2000**	**9/15/2000**
Sample Depth (ft)	**0 to 10**	**10 to 25**	**0 to 15**
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Total SVOCs	4.572	12.79	1.493
PCBs (mg/kg)			
Total PCBs	ND	ND	NA

B-10			
Sample ID	**E-01**	**E-02**	**E-03**
Sample Date	**9/14/2000**	**9/14/2000**	**9/14/2000**
Sample Depth (ft)	**0 to 10**	**10 to 25**	**5 to 10**
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Benzo(a)anthracene	**12** D	**2.5** D	**7** D
Benzo(a)pyrene	**8.3** D	**1.7** JD	**4.9** D
Benzo(b)fluoranthene	**8** D	**1.7**	**4.7** D
Benzo(k)fluoranthene	**10** D	**1.7** JD	**5.7** D
Chrysene	**13** D	**2.5** D	**7.4** D
Indeno(1,2,3-c,d)pyrene	**1.5** JD	**0.65** JD	**1.1** JD
Total SVOCs	181.491	37.478	99.941
PCBs (mg/kg)			
Total PCBs	ND	ND	NA

B-4			
Sample ID	**E-01**	**E-02**	**E-03**
Sample Date	**9/7/2000**	**9/7/2000**	**9/7/2000**
Sample Depth (ft)	**0 to 10**	**10 to 25**	**10 to 15**
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Benzo(a)anthracene	**1.1** J	NE	NE
Chrysene	**1.1** J	NE	NE
Indeno(1,2,3-c,d)pyrene	**1.6** J	**1.1**	**1.4**
Total SVOCs	14.11 J	12.179	14.259
PCBs (mg/kg)			
Total PCBs	ND	ND	NA

B-11			
Sample ID	**E-01**	**E-02**	**E-03**
Sample Date	**9/18/2000**	**9/18/2000**	**9/18/2000**
Sample Depth (ft)	**0 to 10**	**10 to 25**	**10 to 15**
VOCs (mg/kg)			
Total VOCs	NE	NE	NE
SVOCs (mg/kg)			
Total SVOCs	1.598 J	ND	0.124 J
PCBs (mg/kg)			
Total PCBs	ND	ND	NA

LEGEND

APPROXIMATE SITE BOUNDARY

APPROXIMATE PARCEL BOUNDARY

INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION

B-5 PREVIOUS ON-SITE BORING LOCATION AND ID (NYCDEP 2000)

B-6 PREVIOUS OFF-SITE BORING LOCATION AND ID (NYCDEP 2000)

NOTES

1. DATA SOURCE: NYCDEP 2007 ENVIRONMENTAL DESIGN REPORT
2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) AND UNRESTRICTED USE SCO (TABLE 1).
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC PART 375 RESTRICTED USE RESTRICTED-RESIDENTIAL SCO EXCEEDANCES ARE SHADED.
6. NYSDEC PART 375 UNRESTRICTED USE SCO EXCEEDANCES ARE BOLDED AND IN RED.
7. E-01 AND E-02 = COMPOSITE SAMPLES
8. E-03 = GRAB (DISCRETE) SAMPLES
9. VOC = VOLATILE ORGANIC COMPOUNDS
10. SVOC = SEMIVOLATILE ORGANIC COMPOUNDS
11. PCB = POLYCHLORINATED BIPHENYLS
12. mg/kg = MILLIGRAMS PER KILOGRAM
13. NA = NOT ANALYZED
14. NE = NO EXCEEDANCE
15. ND = NOT DETECTED
16. J = DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, RESULT IS AN ESTIMATED CONCENTRATION.
17. D = SAMPLE DILUTED

Table 1

Analyte	NYSDEC Part 375 Restricted Residential Use SCO	NYSDEC Part 375 Unrestricted Use SCOs
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Indeno(1,2,3-c,d)pyrene	0.50	0.50

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Project

GREENPOINT LANDING

BROOKLYN

KINGS NEW YORK

Drawing Title

PREVIOUS SOIL ANALYTICAL RESULTS

NYCDEP 2000

Project No. 170229002	Drawing No.
Date 7/9/2013	6
Scale 1"=250'	
Drawn By GW	
Submission Date	Sheet 6 of 13

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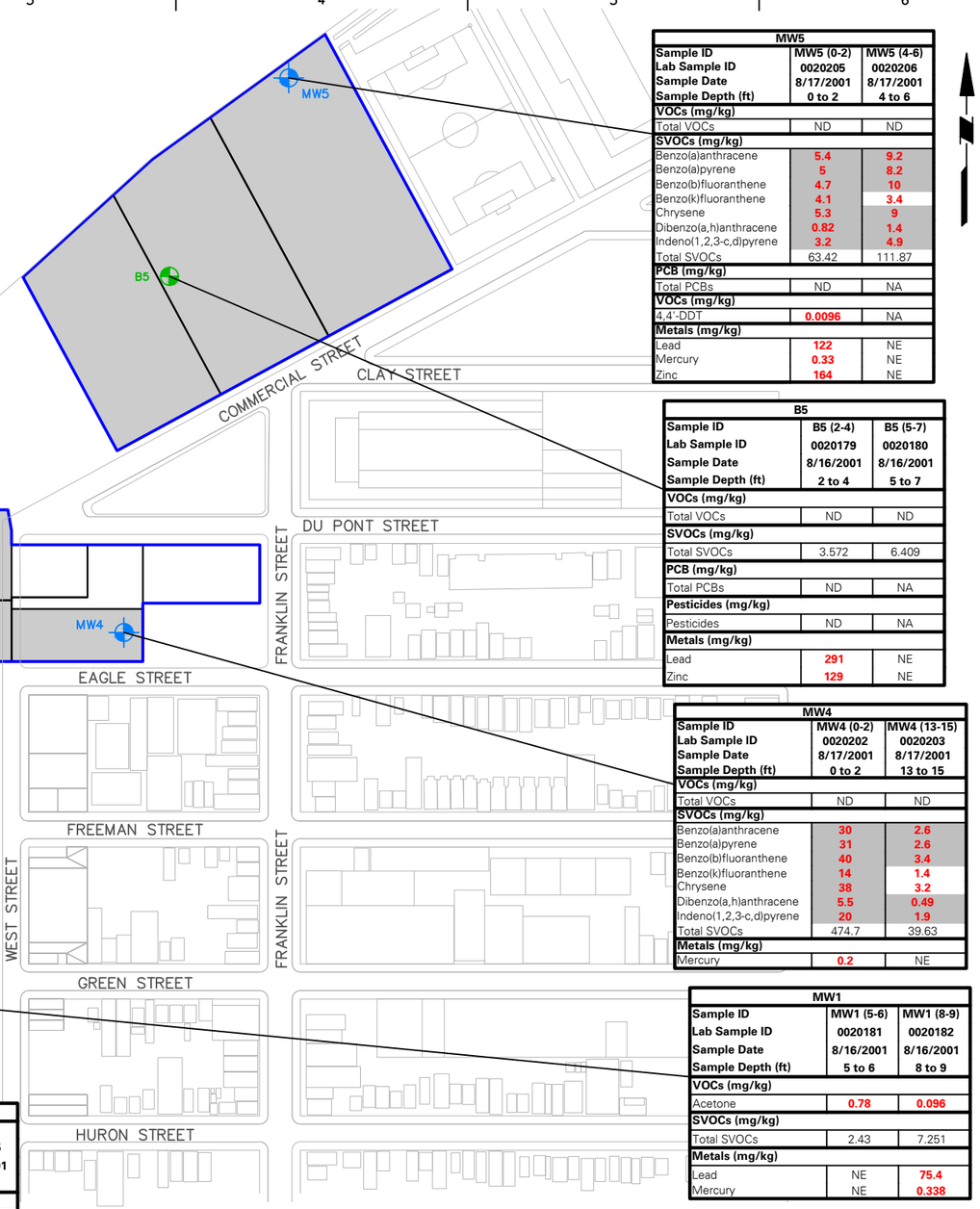

MW3		
Sample ID	**MW3 (0-2)**	**MW3 (5-7)**
Lab Sample ID	**0020199**	**0020200**
Sample Date	**8/17/2001**	**8/17/2001**
Sample Depth (ft)	**0 to 2**	**5 to 7**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	2	12
Benzo(a)pyrene	2	10
Benzo(b)fluoranthene	2.5	13
Benzo(k)fluoranthene	0.88	4.5
Chrysene	2.2	11
Dibenzo(a,h)anthracene	0.34	1.7
Indeno(1,2,3-c,d)pyrene	1.2	5.6
Total SVOCs	25.498	176.08
PCB (mg/kg)		
Total PCBs	ND	NA
Pesticides (mg/kg)		
Pesticides	ND	NA
Metals (mg/kg)		
Barium	429	NE
Copper	67.5	57.6
Lead	315	294
Mercury	0.799	1.12
Zinc	395	220

B4		
Sample ID	**B4 (2-4)**	**B4 (6-8)**
Lab Sample ID	**0020177**	**0020178**
Sample Date	**8/16/2001**	**8/16/2001**
Sample Depth (ft)	**2 to 4**	**6 to 8**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	1.2	ND
Benzo(a)pyrene	1.3	ND
Benzo(b)fluoranthene	1.8	ND
Benzo(k)fluoranthene	1.9	ND
Chrysene	1.4	ND
Indeno(1,2,3-c,d)pyrene	1.1	ND
Total SVOCs	14.97	0.22
Metals (mg/kg)		
Lead	380	NE

MW5		
Sample ID	**MW5 (0-2)**	**MW5 (4-6)**
Lab Sample ID	**0020205**	**0020206**
Sample Date	**8/17/2001**	**8/17/2001**
Sample Depth (ft)	**0 to 2**	**4 to 6**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	5.4	9.2
Benzo(a)pyrene	5	8.2
Benzo(b)fluoranthene	4.7	10
Benzo(k)fluoranthene	4.1	3.4
Chrysene	5.3	9
Dibenzo(a,h)anthracene	0.82	1.4
Indeno(1,2,3-c,d)pyrene	3.2	4.9
Total SVOCs	63.42	111.87
PCB (mg/kg)		
Total PCBs	ND	NA
VOCs (mg/kg)		
4,4'-DDT	0.0096	NA
Metals (mg/kg)		
Lead	122	NE
Mercury	0.33	NE
Zinc	164	NE

MW2		
Sample ID	**MW2 (5-7)**	**MW2 (9-11)**
Lab Sample ID	**0020184**	**0020185**
Sample Date	**8/16/2001**	**8/16/2001**
Sample Depth (ft)	**5 to 7**	**9 to 11**
VOCs (mg/kg)		
Acetone	0.13	0.12
SVOCs (mg/kg)		
Benzo(a)anthracene	2.1	NE
Benzo(a)pyrene	1.8	NE
Benzo(b)fluoranthene	3.2	1.4
Benzo(k)fluoranthene	3.4	1.5
Chrysene	2.8	NE
Dibenzo(a,h)anthracene	0.52	NE
Indeno(1,2,3-c,d)pyrene	1.1	NE
Total SVOCs	32.44	11.769
Metals (mg/kg)		
Copper	116	NE
Lead	77.8	329
Zinc	127	NE

B5		
Sample ID	**B5 (2-4)**	**B5 (5-7)**
Lab Sample ID	**0020179**	**0020180**
Sample Date	**8/16/2001**	**8/16/2001**
Sample Depth (ft)	**2 to 4**	**5 to 7**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Total SVOCs	3.572	6.409
PCB (mg/kg)		
Total PCBs	ND	NA
Pesticides (mg/kg)		
Pesticides	ND	NA
Metals (mg/kg)		
Lead	291	NE
Zinc	129	NE

B3		
Sample ID	**B3 (1-3)**	**B3 (8-10)**
Lab Sample ID	**0020196**	**0020197**
Sample Date	**8/17/2001**	**8/17/2001**
Sample Depth (ft)	**1 to 3**	**8 to 10**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Indeno(1,2,3-c,d)pyrene	NE	0.55
Total SVOCs	9.82	12.992
Metals (mg/kg)		
Copper	72.8	53.3
Lead	191	150
Zinc	321	NE

MW4		
Sample ID	**MW4 (0-2)**	**MW4 (13-15)**
Lab Sample ID	**0020202**	**0020203**
Sample Date	**8/17/2001**	**8/17/2001**
Sample Depth (ft)	**0 to 2**	**13 to 15**
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	30	2.6
Benzo(a)pyrene	31	2.6
Benzo(b)fluoranthene	40	3.4
Benzo(k)fluoranthene	14	1.4
Chrysene	38	3.2
Dibenzo(a,h)anthracene	5.5	0.49
Indeno(1,2,3-c,d)pyrene	20	1.9
Total SVOCs	474.7	39.63
Metals (mg/kg)		
Mercury	0.2	NE

B2	
Sample ID	**B2 (0-1)**
Lab Sample ID	**0020176**
Sample Date	**8/16/2001**
Sample Depth (ft)	**0 to 1**
VOCs (mg/kg)	
Total VOCs	ND
SVOCs (mg/kg)	
Benzo(a)anthracene	4
Benzo(a)pyrene	3.8
Benzo(b)fluoranthene	6
Benzo(k)fluoranthene	6.4
Chrysene	4.4
Dibenzo(a,h)anthracene	1.1
Indeno(1,2,3-c,d)pyrene	0.54
Total SVOCs	48.78
PCB (mg/kg)	
Total PCBs	0.3
Pesticides (mg/kg)	
4,4'-DDT	0.0064
Metals (mg/kg)	
Metals	NE

B1		
Sample ID	**B1 (1-2)**	**B1 (4-5)**
Lab Sample ID	**0020174**	**0020175**
Sample Date	**8/16/2001**	**8/16/2001**
Sample Depth (ft)	**1 to 2**	**4 to 5**
VOCs (mg/kg)		
Acetone	0.29	0.11
SVOCs (mg/kg)		
Total SVOCs	3.175	2.591
Metals (mg/kg)		
Metals	NE	NE

MW1		
Sample ID	**MW1 (5-6)**	**MW1 (8-9)**
Lab Sample ID	**0020181**	**0020182**
Sample Date	**8/16/2001**	**8/16/2001**
Sample Depth (ft)	**5 to 6**	**8 to 9**
VOCs (mg/kg)		
Acetone	0.78	0.096
SVOCs (mg/kg)		
Total SVOCs	2.43	7.251
Metals (mg/kg)		
Lead	NE	75.4
Mercury	NE	0.338

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION
- MW1 — PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2001)
- B5 — PREVIOUS ON-SITE BORING LOCATION AND ID (AKRF 2001)
- B5 — PREVIOUS OFF-SITE BORING LOCATION AND ID (AKRF 2001)

NOTES

1. DATA SOURCE: AKRF, INC. 2001 PHASE II ESI
2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) AND UNRESTRICTED USE SCO (TABLE 1).
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC PART 375 RESTRICTED USE RESTRICTED-RESIDENTIAL SCO EXCEEDANCES ARE SHADED.
6. NYSDEC PART 375 UNRESTRICTED USE SCO EXCEEDANCES ARE BOLDED AND IN RED.
7. VOC = VOLATILE ORGANIC COMPOUNDS
8. SVOC = SEMIVOLATILE ORGANIC COMPOUNDS
9. PCB = POLYCHLORINATED BIPHENYLS
10. mg/kg = MILLIGRAMS PER KILOGRAM
11. NA = NOT ANALYZED
12. ND = NOT DETECTED
13. NE = NO EXCEEDANCE

Table 1

Analyte	NYSDEC Part 375 Restricted Residential Use SCO	NYSDEC Part 375 Unrestricted Use SCOs
VOCs (mg/kg)		
Acetone	100	0.05
SVOCs (mg/kg)		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-c,d)pyrene	0.5	0.5
PCB (mg/kg)		
Total PCBs	1	0.1
Pesticides (mg/kg)		
4,4'-DDT	7.9	0.0033
Metals (mg/kg)		
Barium	400	350
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Zinc	10000	109

250 0 125 250
SCALE IN FEET

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Project: GREENPOINT LANDING
KINGS — BROOKLYN — NEW YORK

Drawing Title: PREVIOUS SOIL ANALYTICAL RESULTS
AKRF 2001

Project No. 170229002
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Drawing No. 7
Sheet 7 of 13

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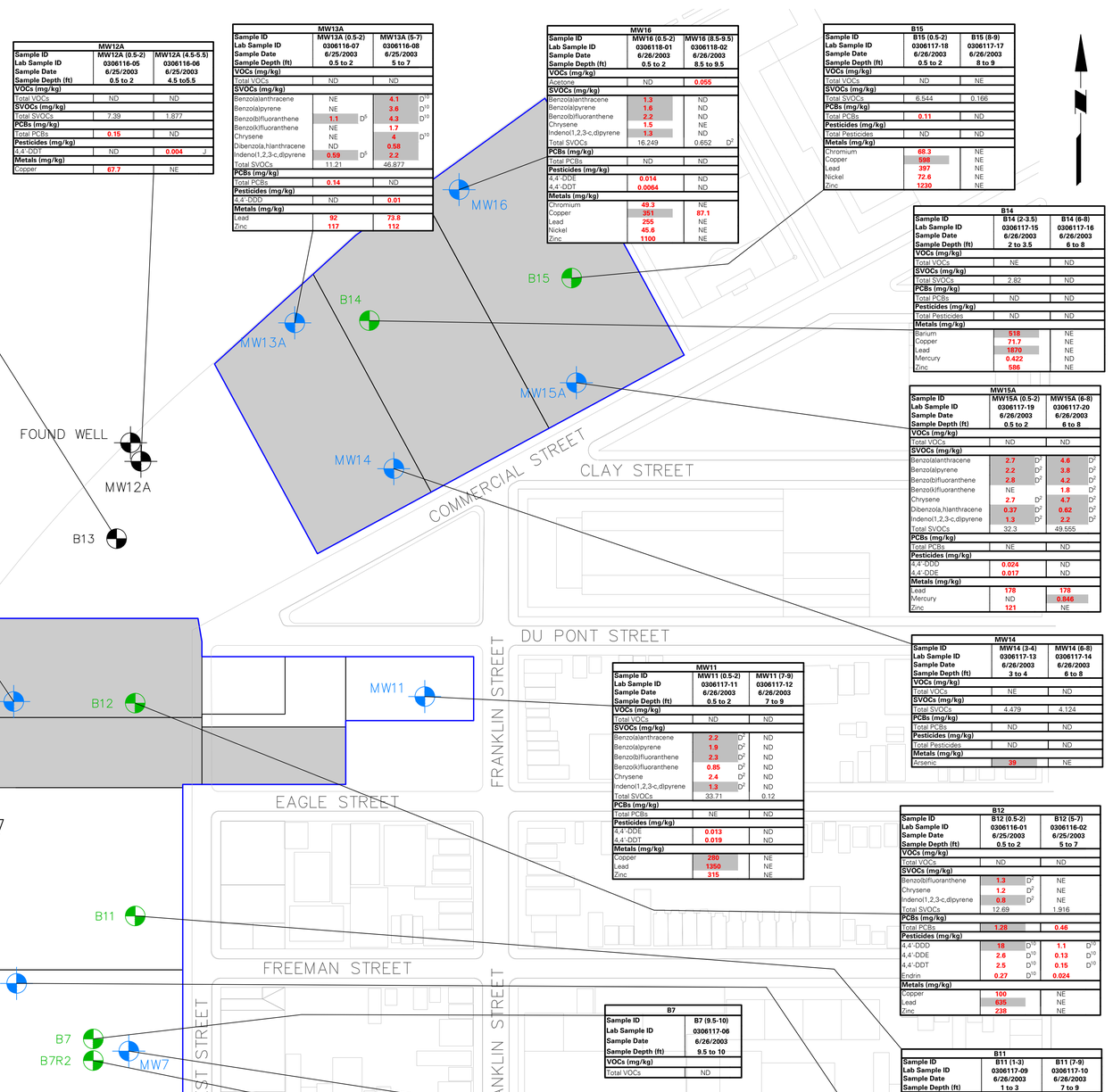

MW10			MW10 (5-7)
Sample ID	MW10 (0.5-2)		
Lab Sample ID	0306116-20		0306117-01
Sample Date	6/25/2003		6/25/2003
Sample Depth (ft)	0.5 to 2		5 to 7
VOCs (mg/kg)			
Total VOCs	ND		ND
SVOCs (mg/kg)			
Benzo(a)anthracene	1.4	D^2	NE
Benzo(a)pyrene	1.3	D^2	NE
Benzo(b)fluoranthene	1.5	D^2	1.1
Chrysene	1.4	D^2	1.1
Indeno(1,2,3-c,d)pyrene	0.9	D^2	0.69
Total SVOCs	20.46	D^2	15.267
PCBs (mg/kg)			
Total PCBs	NE		ND
Pesticides (mg/kg)			
4,4'-DDD	0.9	D^{10}	ND
4,4'-DDE	0.24	D^{10}	ND
4,4'-DDT	0.098		ND
Metals (mg/kg)			
Lead	259		NE
Zinc	163		NE

B13		
Sample ID	B13 (0.5-2)	B13 (5-7)
Lab Sample ID	0306116-03	0306116-04
Sample Date	6/25/2003	6/25/2003
Sample Depth (ft)	0.5 to 2	5 to 7
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(b)fluoranthene	1.5	NE
Indeno(1,2,3-c,d)pyrene	0.92	NE
Total SVOCs	7.748	2.646
PCBs (mg/kg)		
Total PCBs	0.23	ND
Pesticides (mg/kg)		
4,4'-DDT	0.004 J	ND
Metals (mg/kg)		
Lead	153	187
Mercury	ND	0.633
Zinc	120	NE

MW12A		
Sample ID	MW12A (0.5-2)	MW12A (4.5-5.5)
Lab Sample ID	0306116-05	0306116-06
Sample Date	6/25/2003	6/25/2003
Sample Depth (ft)	0.5 to 2	4.5 to5.5
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Total SVOCs	7.39	1.877
PCBs (mg/kg)		
Total PCBs	0.15	ND
Pesticides (mg/kg)		
4,4'-DDT	ND	0.004 J
Metals (mg/kg)		
Copper	67.7	NE

MW13A			MW13A (5-7)
Sample ID	MW13A (0.5-2)		
Lab Sample ID	0306116-07		0306116-08
Sample Date	6/25/2003		6/25/2003
Sample Depth (ft)	0.5 to 2		5 to 7
VOCs (mg/kg)			
Total VOCs	ND		ND
SVOCs (mg/kg)			
Benzo(a)anthracene	NE		4.1 D^{10}
Benzo(a)pyrene	NE		3.6 D^{10}
Benzo(b)fluoranthene	1.1	D^5	4.3 D^{10}
Benzo(k)fluoranthene	NE		1.7
Chrysene	NE		4 D^{10}
Dibenzo(a,h)anthracene	ND		0.58
Indeno(1,2,3-c,d)pyrene	0.59	D^5	2.2
Total SVOCs	11.21		46.877
PCBs (mg/kg)			
Total PCBs	0.14		ND
Pesticides (mg/kg)			
4,4'-DDD	ND		0.01
Metals (mg/kg)			
Lead	92		73.8
Zinc	117		112

MW16			MW16 (8.5-9.5)
Sample ID	MW16 (0.5-2)		
Lab Sample ID	0306118-01		0306118-02
Sample Date	6/26/2003		6/26/2003
Sample Depth (ft)	0.5 to 2		8.5 to 9.5
VOCs (mg/kg)			
Acetone	ND		0.055
SVOCs (mg/kg)			
Benzo(a)anthracene	1.3		ND
Benzo(a)pyrene	1.6		ND
Benzo(b)fluoranthene	2.2		ND
Chrysene	1.5		NE
Indeno(1,2,3-c,d)pyrene	1.3		ND
Total SVOCs	16.249		0.652 D^2
PCBs (mg/kg)			
Total PCBs	ND		ND
Pesticides (mg/kg)			
4,4'-DDE	0.014		ND
4,4'-DDT	0.0064		ND
Metals (mg/kg)			
Chromium	49.3		NE
Copper	351		87.1
Lead	255		NE
Nickel	45.6		NE
Zinc	1100		NE

B15		
Sample ID	B15 (0.5-2)	B15 (8-9)
Lab Sample ID	0306117-18	0306117-17
Sample Date	6/26/2003	6/26/2003
Sample Depth (ft)	0.5 to 2	8 to 9
VOCs (mg/kg)		
Total VOCs	ND	NE
SVOCs (mg/kg)		
Total SVOCs	6.544	0.166
PCBs (mg/kg)		
Total PCBs	0.11	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Chromium	68.3	NE
Copper	598	NE
Lead	397	NE
Nickel	72.6	NE
Zinc	1230	NE

B14		
Sample ID	B14 (2-3.5)	B14 (6-8)
Lab Sample ID	0306117-15	0306117-16
Sample Date	6/26/2003	6/26/2003
Sample Depth (ft)	2 to 3.5	6 to 8
VOCs (mg/kg)		
Total VOCs	NE	ND
SVOCs (mg/kg)		
Total SVOCs	2.82	ND
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Barium	518	NE
Copper	71.7	NE
Lead	1870	NE
Mercury	0.422	ND
Zinc	586	NE

MW15A			MW15A (6-8)	
Sample ID	MW15A (0.5-2)			
Lab Sample ID	0306117-19		0306117-20	
Sample Date	6/26/2003		6/26/2003	
Sample Depth (ft)	0.5 to 2		6 to 8	
VOCs (mg/kg)				
Total VOCs	ND		ND	
SVOCs (mg/kg)				
Benzo(a)anthracene	2.7	D^2	4.6	D^2
Benzo(a)pyrene	2.2	D^2	3.8	D^2
Benzo(b)fluoranthene	2.8	D^2	4.2	D^2
Benzo(k)fluoranthene	NE		1.8	D^2
Chrysene	2.7	D^2	4.7	D^2
Dibenzo(a,h)anthracene	0.37	D^2	0.62	D^2
Indeno(1,2,3-c,d)pyrene	1.3	D^2	2.2	D^2
Total SVOCs	32.3		49.555	
PCBs (mg/kg)				
Total PCBs	NE		ND	
Pesticides (mg/kg)				
4,4'-DDD	0.024		ND	
4,4'-DDE	0.017		ND	
Metals (mg/kg)				
Lead	178		178	
Mercury	ND		0.846	
Zinc	121		NE	

MW14		
Sample ID	MW14 (3-4)	MW14 (6-8)
Lab Sample ID	0306117-13	0306117-14
Sample Date	6/26/2003	6/26/2003
Sample Depth (ft)	3 to 4	6 to 8
VOCs (mg/kg)		
Total VOCs	NE	ND
SVOCs (mg/kg)		
Total SVOCs	4.479	4.124
PCBs (mg/kg)		
Total PCBs	ND	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Arsenic	39	NE

MW11			MW11 (7-9)	
Sample ID	MW11 (0.5-2)			
Lab Sample ID	0306117-11		0306117-12	
Sample Date	6/26/2003		6/26/2003	
Sample Depth (ft)	0.5 to 2		7 to 9	
VOCs (mg/kg)				
Total VOCs	ND		ND	
SVOCs (mg/kg)				
Benzo(a)anthracene	2.2	D^2	ND	
Benzo(a)pyrene	1.9	D^2	ND	
Benzo(b)fluoranthene	2.3	D^2	ND	
Benzo(k)fluoranthene	0.85	D^2	ND	
Chrysene	2.4	D^2	ND	
Indeno(1,2,3-c,d)pyrene	1.3	D^2	ND	
Total SVOCs	33.71		0.12	
PCBs (mg/kg)				
Total PCBs	NE		ND	
Pesticides (mg/kg)				
4,4'-DDE	0.013		ND	
4,4'-DDT	0.019		ND	
Metals (mg/kg)				
Copper	280		NE	
Lead	1350		NE	
Zinc	315		NE	

B12			B12 (5-7)	
Sample ID	B12 (0.5-2)			
Lab Sample ID	0306116-01		0306116-02	
Sample Date	6/25/2003		6/25/2003	
Sample Depth (ft)	0.5 to 2		5 to 7	
VOCs (mg/kg)				
Total VOCs	ND		ND	
SVOCs (mg/kg)				
Benzo(b)fluoranthene	1.3	D^2	NE	
Chrysene	1.2	D^2	NE	
Indeno(1,2,3-c,d)pyrene	0.8	D^2	NE	
Total SVOCs	12.69		1.916	
PCBs (mg/kg)				
Total PCBs	1.28		0.46	
Pesticides (mg/kg)				
4,4'-DDD	18	D^{10}	1.1	D^{10}
4,4'-DDE	2.6	D^{10}	0.13	D^{10}
4,4'-DDT	2.5	D^{10}	0.15	D^{10}
Endrin	0.27	D^{10}	0.024	
Metals (mg/kg)				
Copper	100		NE	
Lead	635		NE	
Zinc	238		NE	

B11			B11 (7-9)	
Sample ID	B11 (1-3)			
Lab Sample ID	0306117-09		0306117-10	
Sample Date	6/26/2003		6/26/2003	
Sample Depth (ft)	1 to 3		7 to 9	
VOCs (mg/kg)				
Total VOCs	NE		ND	
SVOCs (mg/kg)				
Benzo(a)anthracene	38	D^{50}	NE	
Benzo(a)pyrene	32	D^{50}	NE	
Benzo(b)fluoranthene	39	D^{50}	NE	
Benzo(k)fluoranthene	11	D^5	NE	
Chrysene	37	D^{50}	NE	
Dibenzo(a,h)anthracene	5.5	D^5	NE	
Indeno(1,2,3-c,d)pyrene	19	D^5	NE	
Total SVOCs	419.78		8.248	
PCBs (mg/kg)				
Total PCBs	0.64		ND	
Pesticides (mg/kg)				
4,4'-DDD	0.15		ND	
4,4'-DDE	0.14		ND	
4,4'-DDT	0.029		ND	
Chlordane	0.16		ND	
Metals (mg/kg)				
Cadmium	3.46		NE	
Copper	186		NE	
Lead	969		NE	
Zinc	297		269	

B10			B10 (9-10)
Sample ID	B10 (5-7)		
Lab Sample ID	0306117-02		0306117-03
Sample Date	6/26/2003		6/26/2003
Sample Depth (ft)	5 to 7		9 to 10
VOCs (mg/kg)			
Total VOCs	ND		ND
SVOCs (mg/kg)			
3,4-Methylphenol	1.1	D^{10}	ND
Acenaphtene	94	D^{500}	ND
Anthracene	240	D^{500}	NE
Benzo(a)anthracene	290	D^{500}	NE
Benzo(a)pyrene	240	D^{500}	NE
Benzo(b)fluoranthene	280	D^{500}	NE
Benzo(g,h,i)perylene	130	D^{500}	ND
Benzo(k)fluoranthene	82	D^{500}	ND
Chrysene	270	D^{500}	NE
Dibenzo(a,h)anthracene	31	D^{500}	ND
Fluoranthene	760	D^{500}	NE
Fluorene	150	D^{500}	ND
Indeno(1,2,3-c,d)pyrene	140	D^{500}	ND
Naphthalene	100		ND
Phenanthrene	930	D^{500}	NE
Phenol	0.57		ND
Pyrene	690	D^{500}	NE
Total SVOCs	4691.36		0.865
PCBs (mg/kg)			
Total PCBs	0.31		ND
Pesticides (mg/kg)			
4,4'-DDD	0.025		ND
4,4'-DDE	0.027		ND
4,4'-DDT	0.032		ND
Metals (mg/kg)			
Cadmium	4.06		ND
Copper	86.8		NE
Lead	246		NE
Mercury	0.276		ND
Zinc	288		NE

B9			B9 (5-6)	
Sample ID	B9 (1.2-2.5)			
Lab Sample ID	0306116-16		0306116-17	
Sample Date	6/25/2003		6/25/2003	
Sample Depth (ft)	1.2 to 2.5		5 to 6	
VOCs (mg/kg)				
Total VOCs	NE		ND	
SVOCs (mg/kg)				
Benzo(a)pyrene	NE		1.7	D^2
Benzo(b)fluoranthene	1.9	D^5	1.7	D^2
Benzo(k)fluoranthene	NE		1.3	D^2
Chrysene	1.2	D^5	1.9	D^2
Dibenzo(a,h)anthracene	NE		0.36	D^2
Indeno(1,2,3-c,d)pyrene	0.81	D^5	1.3	D^2
Total SVOCs	13.16		20.03	
PCBs (mg/kg)				
Total PCBs	0.23		0.2	
Pesticides (mg/kg)				
4,4'-DDD	0.01		0.0077	
4,4'-DDT	ND		0.0093	
Metals (mg/kg)				
Arsenic	27.3		13.7	
Cadmium	8.14		3.63	
Chromium	177		NE	
Copper	413		127	
Lead	433		248	
Nickel	261		32.8	
Zinc	406		273	

B8			B8 (8-10)
Sample ID	B8 (0.5-2)		
Lab Sample ID	0306116-18		0306116-19
Sample Date	6/25/2003		6/25/2003
Sample Depth (ft)	0.5 to 2		8 to 10
VOCs (mg/kg)			
Total VOCs	ND		NE
SVOCs (mg/kg)			
Benzo(a)anthracene	NE		18 D^{50}
Benzo(a)pyrene	NE		1.2 D^5
Benzo(b)fluoranthene	NE		18 D^{50}
Benzo(k)fluoranthene	NE		4.4 D^5
Chrysene	NE		19 D^{50}
Dibenzo(a,h)anthracene	NE		2 D^5
Indeno(1,2,3-c,d)pyrene	NE		7.3 D^5
Total SVOCs	5.914		235.230
PCBs (mg/kg)			
Total PCBs	ND		NE
Pesticides (mg/kg)			
4,4'-DDD	ND		0.027
4,4'-DDE	ND		0.011
4,4'-DDT	ND		0.017
Metals (mg/kg)			
Barium	456		NE
Cadmium	ND		181
Chromium	149		NE
Copper	1470		387
Lead	2040		472
Mercury	ND		0.218
Nickel	45.3		NE
Zinc	1260		1280

B7	
Sample ID	B7 (9.5-10)
Lab Sample ID	0306117-06
Sample Date	6/26/2003
Sample Depth (ft)	9.5 to 10
VOCs (mg/kg)	
Total VOCs	ND

MW8			MW8 (5-6.5)
Sample ID	MW8 (2-4)		
Lab Sample ID	0306116-14		0306116-15
Sample Date	6/25/2003		6/25/2003
Sample Depth (ft)	2 to 4		5 to 6.5
VOCs (mg/kg)			
Total VOCs	ND		ND
SVOCs (mg/kg)			
Total SVOCs	5.357		0.924
PCBs (mg/kg)			
Total PCBs	NE		ND
Pesticides (mg/kg)			
4,4'-DDD	0.0062		ND
Metals (mg/kg)			
Arsenic	17.1		NE
Copper	80.5		NE
Lead	113		NE

MW6			MW6 (6 -7)
Sample ID	MW6 (0.5-2)		
Lab Sample ID	0306116-12		0306116-13
Sample Date	6/25/2003		6/25/2003
Sample Depth (ft)	0.5 to 2		6 to 7
VOCs (mg/kg)			
Total VOCs	ND		ND
SVOCs (mg/kg)			
Benzo(a)anthracene	4.9	D^5	NE
Benzo(a)pyrene	4	D^5	NE
Benzo(b)fluoranthene	4.8	D^5	NE
Benzo(k)fluoranthene	1.8	D^5	NE
Chrysene	4.8	D^5	NE
Dibenzo(a,h)anthracene	0.6	D^5	NE
Indeno(1,2,3-c,d)pyrene	2.5	D^5	NE
Total SVOCs	63.52	D^5	13.605
PCBs (mg/kg)			
Total PCBs	ND		ND
Pesticides (mg/kg)			
4,4'-DDT	NE		ND
Metals (mg/kg)			
Chromium	157		NE
Copper	57.1		NE
Lead	69.6		83.2

B6		
Sample ID	B6 (0.5-2)	B6 (6-7)
Lab Sample ID	0306116-10	0306116-11
Sample Date	6/25/2003	6/25/2003
Sample Depth (ft)	0.5 to 2	6 to 7
VOCs (mg/kg)		
Total VOCs	ND	ND
SVOCs (mg/kg)		
Benzo(a)anthracene	1.3	NE
Benzo(b)fluoranthene	1.3	NE
Chrysene	1.3	NE
Indeno(1,2,3-c,d)pyrene	0.61	NE
Total SVOCs	17.966	9.033
PCBs (mg/kg)		
Total PCBs	NE	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
Metals (mg/kg)		
Copper	150	NE
Lead	163	NE

B7R2		
Sample ID	B7R2 (5.5-6)	
Lab Sample ID	0306116-9	
Sample Date	6/26/2003	
Sample Depth (ft)	5.5 to 6	
VOCs (mg/kg)		
Total VOCs	ND	
SVOCs (mg/kg)		
Benzo(a)anthracene	1.5	D^2
Benzo(a)pyrene	1.3	D^2
Benzo(b)fluoranthene	1.5	D^2
Chrysene	1.5	D^2
Indeno(1,2,3-c,d)pyrene	0.71	D^2
Total SVOCs	21.77	D^2
PCB (mg/kg)		
Total PCBs	ND	
Pesticides (mg/kg)		
Total Pesticides	ND	
Metals (mg/kg)		
Metals	NE	

MW7			MW7 (10-11)
Sample ID	MW7 (6.5-7.5)		
Lab Sample ID	0306117-08		0306117-07
Sample Date	6/26/2003		6/26/2003
Sample Depth (ft)	6.5 to 7.5		10 to 11
VOCs (mg/kg)			
Acetone	ND		0.064
SVOCs (mg/kg)			
Benzo(a)anthracene	8.4	D^{20}	ND
Benzo(a)pyrene	7.4	D^{20}	ND
Benzo(b)fluoranthene	8.6	D^{20}	ND
Benzo(k)fluoranthene	2.5	D^2	ND
Chrysene	8.1	D^{20}	NE
Dibenzo(a,h)anthracene	1	D^2	ND
Indeno(1,2,3-c,d)pyrene	4.1	D^2	ND
Total SVOCs	114.747		0.308
PCBs (mg/kg)			
Total PCBs	ND		ND
Pesticides (mg/kg)			
4,4'-DDT	NE		ND
Metals (mg/kg)			
Copper	NE		205
Lead	220		NE

MW9			MW9 (5-6)
Sample ID	MW9 (1.5-3.5)		
Lab Sample ID	0306117-04		0306117-05
Sample Date	6/26/2003		6/26/2003
Sample Depth (ft)	1.5 to 3.5		5 to 6
VOCs (mg/kg)			
Total VOCs	ND		ND
SVOCs (mg/kg)			
Benzo(a)anthracene	1.3		NE
Benzo(a)pyrene	1.1		NE
Benzo(b)fluoranthene	1.4		NE
Chrysene	1.3		NE
Indeno(1,2,3-c,d)pyrene	0.72		NE
Total SVOCs	17.204		4.364
PCBs (mg/kg)			
Total PCBs	ND		NE
Pesticides (mg/kg)			
Total Pesticides	ND		ND
Metals (mg/kg)			
Arsenic	22.2		ND
Copper	178		NE
Lead	161		ND
Zinc	375		NE

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

100 0 50 100
SCALE IN FEET

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION
- MW1 — PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2003)
- MW12A — PREVIOUS OFF-SITE MONITORING WELL LOCATION AND ID (AKRF 2003)
- B5 — PREVIOUS ON-SITE BORING LOCATION AND ID (AKRF 2003)
- B13 — PREVIOUS OFF-SITE BORING LOCATION AND ID (AKRF 2003)

NOTES

1. DATA SOURCE: AKRF, INC. 2003 SUPPLEMENTAL PHASE II ESI 2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 RESTRICTED USE RESTRICTED –RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCO) AND UNRESTRICTED USE SCO (TABLE 1).
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC PART 375 RESTRICTED USE RESTRICTED –RESIDENTIAL SCO EXCEEDANCES ARE SHADED.
6. NYSDEC PART 375 UNRESTRICTED USE SCO EXCEEDANCES ARE BOLDED AND IN RED.
7. VOCs = VOLATILE ORGANIC COMPOUNDS
8. SVOCs = SEMIVOLATILE ORGANIC COMPOUNDS
9. PCBs = POLYCHLORINATED BIPHENYLS
10. mg/kg = MILLIGRAMS PER KILOGRAM
11. ND = NOT DETECTED
12. NE = NO EXCEEDANCE
13. J = DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, RESULT IS AN ESTIMATED CONCENTRATION.
14. D = SAMPLE DILUTED, D^{10}= DILUTION FACTOR 10

Table 1

Analyte	NYSDEC Part 375 Restricted Residential Use SCO	NYSDEC Part 375 Unrestricted Use SCOs
VOCs (mg/kg)		
Acetone	100	0.05
SVOCs (mg/kg)		
3,4-Methylphenol	100	0.33
Acenaphthene	100	20
Anthracene	100	100
Benzo(a)anthracene	1	1
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(g,h,i)perylene	100	100
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-c,d)pyrene	0.50	0.50
PCB (mg/kg)		
Total PCBs	1	0.1
Pesticides (mg/kg)		
4,4'-DDD	13	0.0033
4,4'-DDE	8.9	0.0033
4,4'-DDT	7.9	0.0033
Chlordane	4.2	0.0940
Endrin	11.0	0.0140
Metals (mg/kg)		
Arsenic	16	13
Barium	400	350
Cadmium	4	2.5
Chromium	180	30
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Zinc	10000	109

Date	Description	No.
REVISIONS		

SIGNATURE DATE SIGNED
PROFESSIONAL XXXXXXXXXX
STATE LIC. No. XXXXX

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Langan International LLC
Collectively known as Langan

Project
GREENPOINT LANDING
KINGS BROOKLYN NEW YORK

Drawing Title
PREVIOUS SOIL ANALYTICAL RESULTS
AKRF 2003

Project No. 170229002	Drawing No. 8
Date 7/9/2013	
Scale 1" = 100'	
Drawn By GW	
Submission Date	Sheet 8 of 13

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SUBMISSION DATE: XXXXX ##,####
PROJECT No. ##########

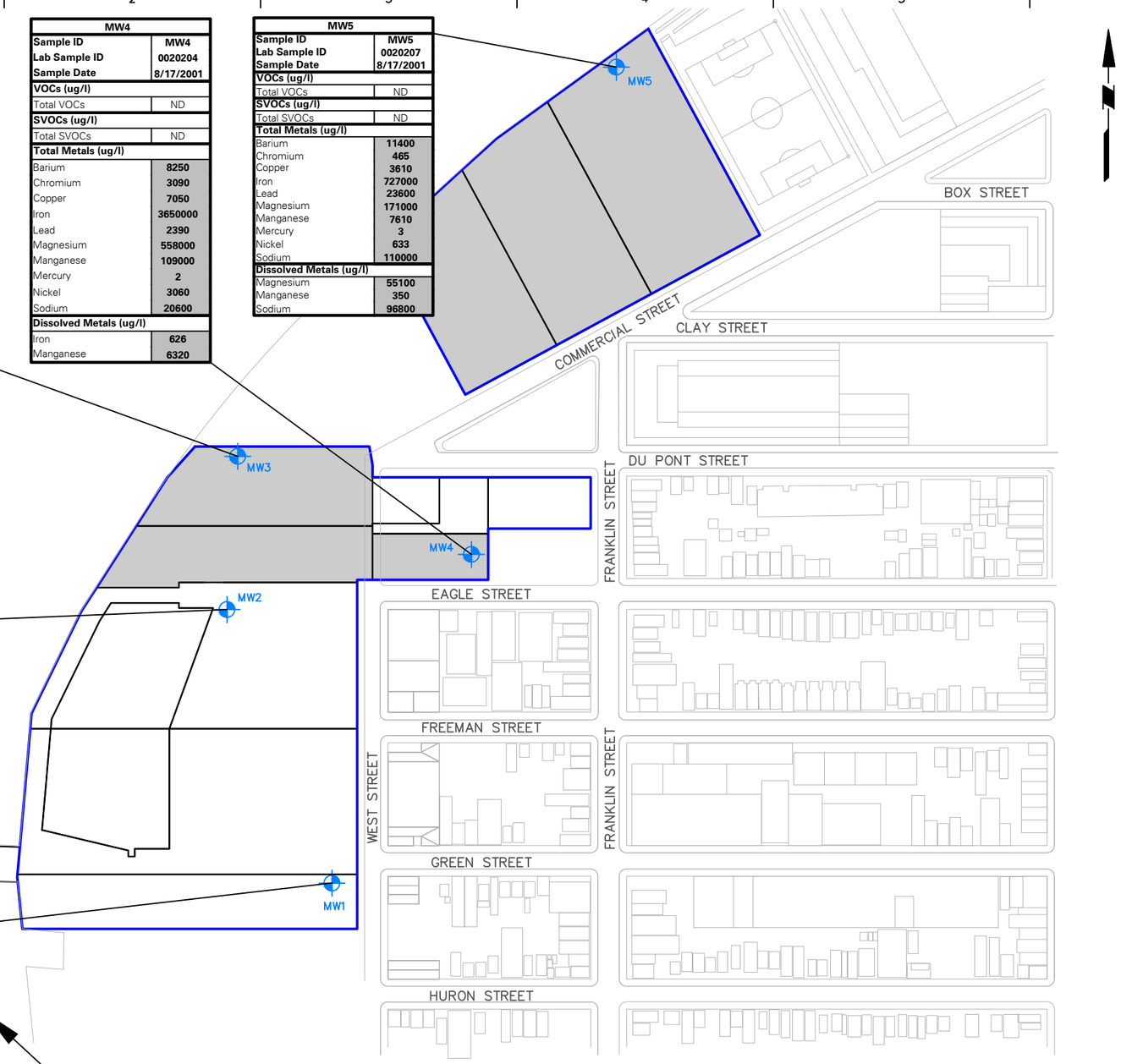
MW3	
Sample ID	**MW3**
Lab Sample ID	**0020201**
Sample Date	**8/17/2001**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
Total Metals (ug/l)	
Barium	**1130**
Chromium	**86**
Copper	**1630**
Iron	**81500**
Lead	**1280**
Magnesium	**93000**
Manganese	**1820**
Sodium	**445000**
Dissolved Metals (ug/l)	
Magnesium	**69900**
Manganese	**517**
Sodium	**474000**

MW4	
Sample ID	**MW4**
Lab Sample ID	**0020204**
Sample Date	**8/17/2001**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
Total Metals (ug/l)	
Barium	**8250**
Chromium	**3090**
Copper	**7050**
Iron	**3650000**
Lead	**2390**
Magnesium	**558000**
Manganese	**109000**
Mercury	**2**
Nickel	**3060**
Sodium	**20600**
Dissolved Metals (ug/l)	
Iron	**626**
Manganese	**6320**

MW5	
Sample ID	**MW5**
Lab Sample ID	**0020207**
Sample Date	**8/17/2001**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
Total Metals (ug/l)	
Barium	**11400**
Chromium	**465**
Copper	**3610**
Iron	**727000**
Lead	**23600**
Magnesium	**171000**
Manganese	**7610**
Mercury	**3**
Nickel	**633**
Sodium	**110000**
Dissolved Metals (ug/l)	
Magnesium	**55100**
Manganese	**350**
Sodium	**96800**

MW2	
Sample ID	**MW2**
Lab Sample ID	**0020198**
Sample Date	**8/17/2001**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
Total Metals (ug/l)	
Antimony	**76**
Barium	**2740**
Chromium	**517**
Copper	**3050**
Iron	**643000**
Lead	**5830**
Magnesium	**113000**
Manganese	**10400**
Mercury	**11**
Nickel	**1100**
Silver	**134000**
Sodium	**95200**
Dissolved Metals (ug/l)	
Iron	**309**
Magnesium	**59600**
Manganese	**1370**
Sodium	**85100**

MW1	
Sample ID	**MW1**
Lab Sample ID	**0020183**
Sample Date	**8/16/2001**
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Naphthalene	**18**
Total Metals (ug/l)	
Barium	**2180**
Chromium	**906**
Copper	**858**
Iron	**765000**
Lead	**355**
Magnesium	**124000**
Manganese	**22400**
Mercury	**3.5**
Nickel	**516**
Sodium	**231000**
Dissolved Metals (ug/l)	
Iron	**1250**
Magnesium	**43200**
Manganese	**2530**
Sodium	**311000**



250 0 125 250

SCALE IN FEET

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION
- MW1 — PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2001)

NOTES

1. DATA SOURCE: AKRF, INC. 2001 PHASE II ESI
2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. GROUNDWATER SAMPLES ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONVERSATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS)1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS)AND GUIDANCE VALUES FOR DRINKING WATER (CLASS GA), SHOWN IN TABLE1.
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC TOGS 1.1.1 AWQS EXCEEDANCES ARE BOLDED AND SHADED.
6. VOC = VOLATILE ORGANIC COMPOUNDS.
7. ug/l = MICROGRAMS PER LITER
8. '–' NOT AVAILABLE
9. ND = NOT DETECTED

Table 1

Analyte	NYSDEC TOGS 1.1.1 AWQS
VOCs (ug/l)	
Total VOCs	-
SVOCs (ug/l)	
Naphthalene	10
Total Metals (ug/l)	
Antimony	3
Barium	1000
Chromium	50
Copper	200
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Mercury	0.7
Nickel	100
Silver	50
Sodium	20000

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Project: GREENPOINT LANDING
KINGS BROOKLYN NEW YORK

Drawing Title: PREVIOUS GROUNDWATER ANALYTICAL RESULTS
AKRF 2001

Project No. 170229002
Date 7/9/2013
Scale 1"=250'
Drawn By GW
Submission Date

Drawing No. 9
Sheet 9 of 13

MW10	
Sample ID	MW9
Lab Sample ID	0307061-05
Sample Date	7/16/2003
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	NE
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	18 J
Iron	6980
Magnesium	52200
Manganese	6120
Sodium	109000
Disolved Metals (ug/l)	
Iron	399
Magnesium	58100
Manganese	6800
Sodium	112000

FOUND WELL	
Sample ID	FOUND WELL
Lab Sample ID	0307061-12
Sample Date	7/16/2003
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	94.7
Iron	3150
Manganese	806
Sodium	89300
Disolved Metals (ug/l)	
Iron	565
Magnesium	37500
Manganese	851
Sodium	95600

MW12A	
Sample ID	MW12A
Lab Sample ID	0307061-07
Sample Date	7/16/2003
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Iron	9420
Manganese	1930
Sodium	83400
Disolved Metals (ug/l)	
Iron	395
Manganese	2100
Sodium	88700

MW9	
Sample ID	MW9
Lab Sample ID	0307061-04
Sample Date	7/16/2003
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	27.2
Iron	3830
Magnesium	38700
Manganese	848
Sodium	101000
Disolved Metals (ug/l)	
Iron	695
Magnesium	42200
Manganese	939
Sodium	102000

MW8	
Sample ID	MW8
Lab Sample ID	0307061-03
Sample Date	7/16/2003
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	44.3
Magnesium	495000
Sodium	509000
Disolved Metals (ug/l)	
Magnesium	505000
Sodium	517000

MW6	
Sample ID	MW6
Lab Sample ID	0307061-01
Sample Date	7/16/2003
VOCs (ug/l)	
Total VOCs	NE
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	83.6
Iron	29200
Manganese	558
Sodium	21700
Disolved Metals (ug/l)	
Iron	843
Manganese	537

MW7	
Sample ID	MW7
Lab Sample ID	0307061-02
Sample Date	7/16/2003
VOCs (ug/l)	
4-Isopropyltoluene	7.2
Benzene	2
SVOCs (ug/l)	
Phenol	7.4
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	54.8
Iron	497
Sodium	110000
Thallium	19
Disolved Metals (ug/l)	
Sodium	116000

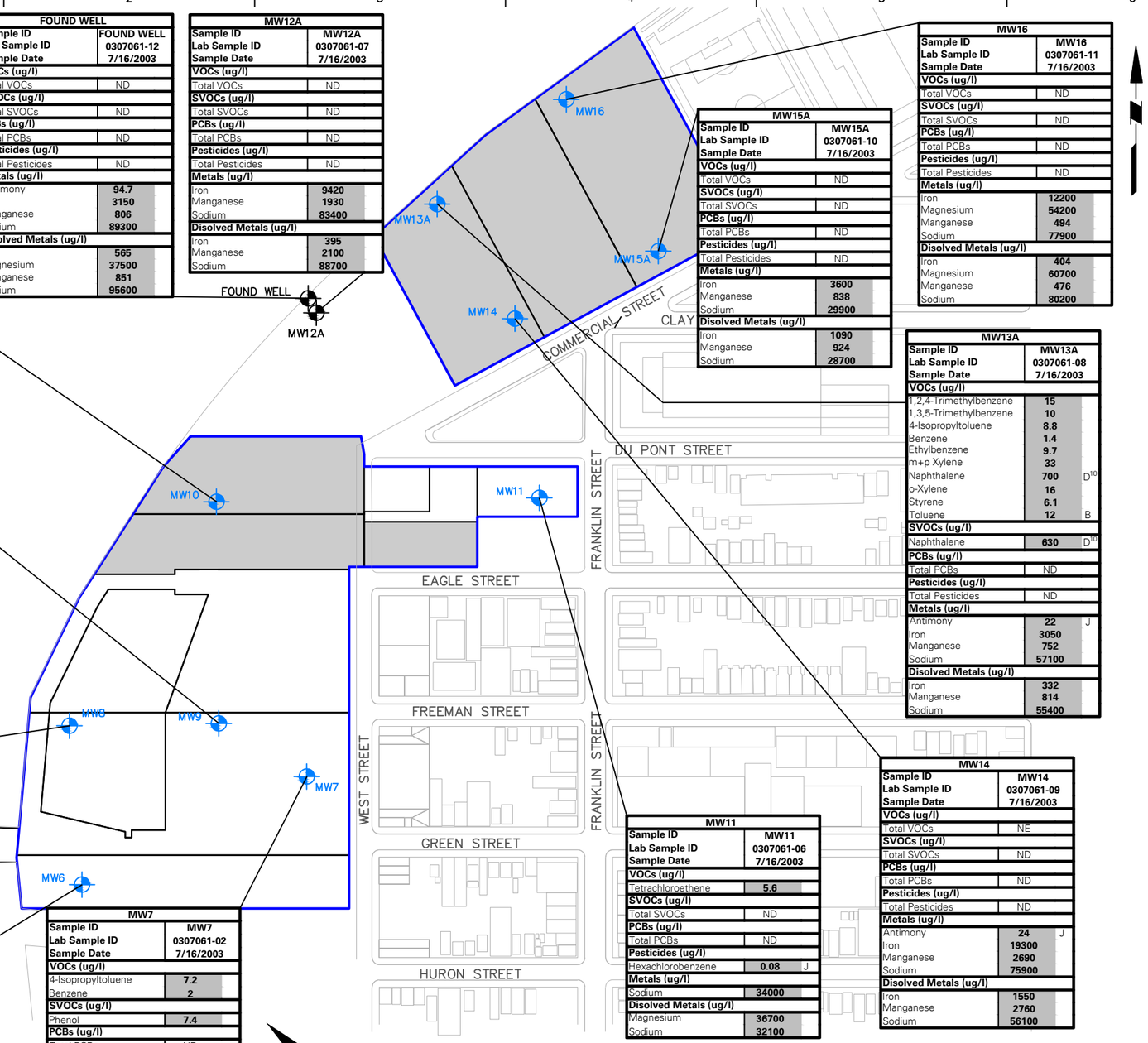
MW16	
Sample ID	MW16
Lab Sample ID	0307061-11
Sample Date	7/16/2003
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Iron	12200
Magnesium	54200
Manganese	494
Sodium	77900
Disolved Metals (ug/l)	
Iron	404
Magnesium	60700
Manganese	476
Sodium	80200

MW15A	
Sample ID	MW15A
Lab Sample ID	0307061-10
Sample Date	7/16/2003
VOCs (ug/l)	
Total VOCs	ND
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Iron	3600
Manganese	838
Sodium	29900
Disolved Metals (ug/l)	
Iron	1090
Manganese	924
Sodium	28700

MW13A	
Sample ID	MW13A
Lab Sample ID	0307061-08
Sample Date	7/16/2003
VOCs (ug/l)	
1,2,4-Trimethylbenzene	15
1,3,5-Trimethylbenzene	10
4-Isopropyltoluene	8.8
Benzene	1.4
Ethylbenzene	9.7
m+p Xylene	33
Naphthalene	700 D^{10}
o-Xylene	16
Styrene	6.1
Toluene	12 B
SVOCs (ug/l)	
Naphthalene	630 D^{10}
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	22 J
Iron	3050
Manganese	752
Sodium	57100
Disolved Metals (ug/l)	
Iron	332
Manganese	814
Sodium	55400

MW11	
Sample ID	MW11
Lab Sample ID	0307061-06
Sample Date	7/16/2003
VOCs (ug/l)	
Tetrachloroethene	5.6
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Hexachlorobenzene	0.08 J
Metals (ug/l)	
Sodium	34000
Disolved Metals (ug/l)	
Magnesium	36700
Sodium	32100

MW14	
Sample ID	MW14
Lab Sample ID	0307061-09
Sample Date	7/16/2003
VOCs (ug/l)	
Total VOCs	NE
SVOCs (ug/l)	
Total SVOCs	ND
PCBs (ug/l)	
Total PCBs	ND
Pesticides (ug/l)	
Total Pesticides	ND
Metals (ug/l)	
Antimony	24 J
Iron	19300
Manganese	2690
Sodium	75900
Disolved Metals (ug/l)	
Iron	1550
Manganese	2760
Sodium	56100



LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION
- MW1 — PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2003)
- MW12A — PREVIOUS OFF-SITE MONITORING WELL LOCATION AND ID (AKRF 2003)

NOTES

1. DATA SOURCE: AKRF, INC. SUPPLEMENTAL PHASE II ESI
2. BASE MAP SOURCE – HANDEL ARCHITECTS, LLC
3. GROUNDWATER SAMPLES ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONVERSATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS)1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS)AND GUIDANCE VALUES FOR DRINKING WATER (CLASS GA), SHOWN IN TABLE 1.
4. ONLY DETECTIONS ARE SHOWN.
5. NYSDEC TOGS 1.1.1 AWQS EXCEEDANCES ARE BOLDED AND SHADED.
6. VOC = VOLATILE ORGANIC COMPOUNDS.
7. SVOC = SEMIVOLATILE ORGANIC COMPOUNDS
8. PCB = POLYCHLORINATED BIPHENYLS
9. ug/l = MICROGRAMS PER LITER
10. ND = NOT DETECTED
11. NE = NO EXCEEDANCES
12. J = DETECTED ABOVE THE METHOD DETECTION LIMIT BUT BELOW THE REPORTING LIMIT; THEREFORE, RESULT IS AN ESTIMATED CONCENTRATION.
13. B = REPORTED VALUE IS LESS THAN THE CONTRACT REQUIRED DETECTION LIMIT, BUT GREATER THAN OR EQUAL TO THE INSTRUMENT DETECTION LIMIT.
14. D = SAMPLE DILUTED, D^{10}= DILUTION FACTOR 10

Table 1

Analyte	NYSDEC TOGS 1.1.1 AWQS
VOCs (ug/l)	
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
4-Isopropyltoluene	5
Benzene	1
Ethylbenzene	5
m+p Xylene	5
Naphthalene	10
o-Xylene	5
Styrene	5
Tetrachloroethene	5
Toluene	5
SVOCs (ug/l)	
Naphthalene	10
Phenol	1
Pesticides (ug/l)	
Hexachlorobenzene	0.04
Metals (ug/l)	
Antimony	3
Iron	300
Magnesium	35000
Manganese	300
Nickel	100
Sodium	20000
Thallium	0.5

250 0 125 250
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Project: GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title: PREVIOUS GROUNDWATER ANALYTICAL RESULTS
AKRF 2003

Project No. 170229002
Date 7/9/2013
Scale 1"=250'
Drawn By GW
Submission Date

Drawing No. 10
Sheet 10 of 13

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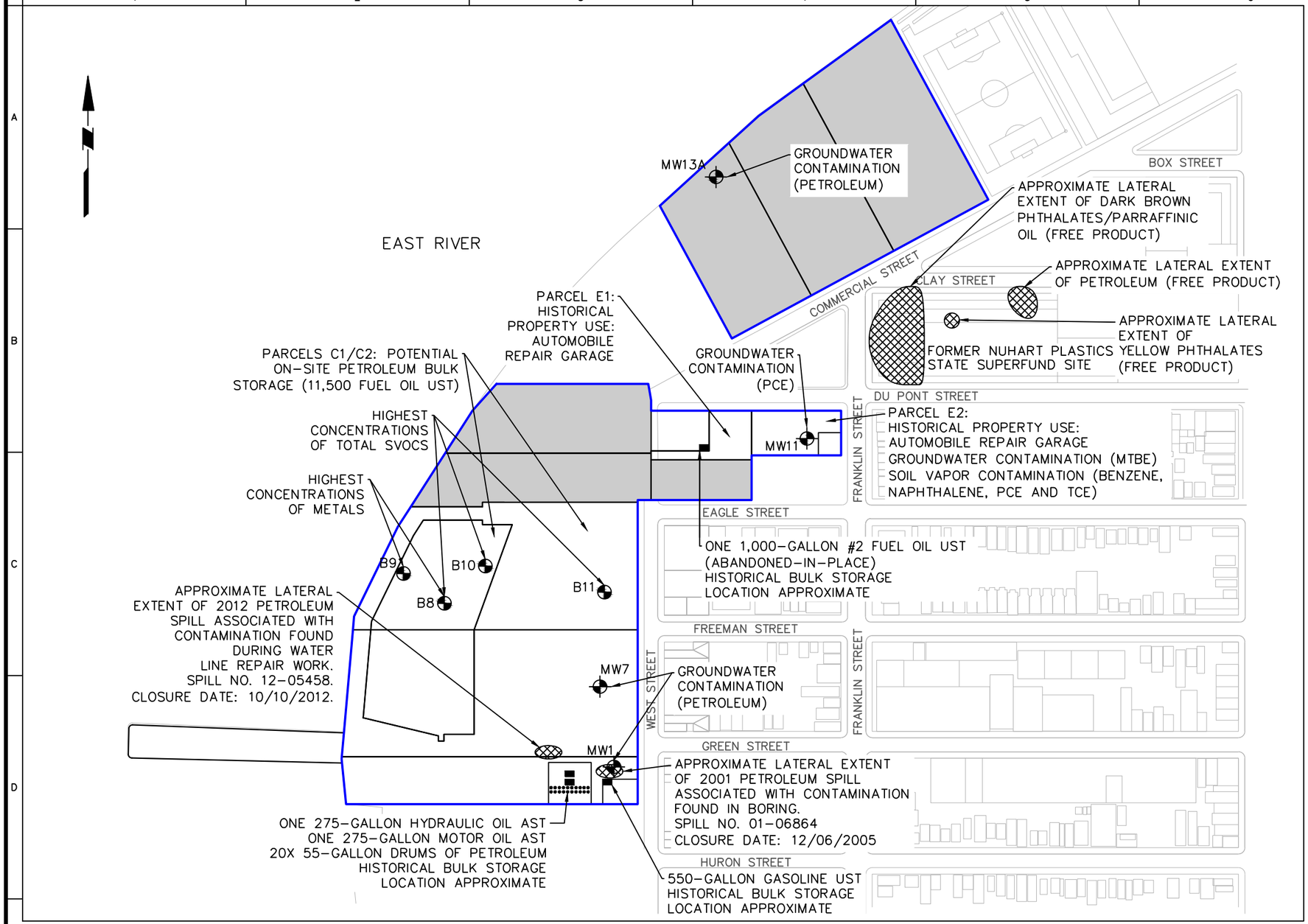

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION
- B8 — PREVIOUS SOIL BORING LOCATION AND ID (AKRF 2001, 2003)
- MW1 — PREVIOUS MONITORING WELL LOCATION AND ID (AKRF 2001, 2003)
- APPROXIMATE LOCATION OF BULK STORAGE TANK [UST/AST]
- 55-GALLON DRUM

NOTES:
1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. ALL SAMPLING LOCATIONS ARE APPROXIMATE.

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Project: GREENPOINT LANDING
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KINGS NEW YORK

Drawing Title: AREAS OF CONCERN

Project No. 170229002
Date 7/9/2013
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Submission Date

Drawing No. 11
Sheet 11 of 13

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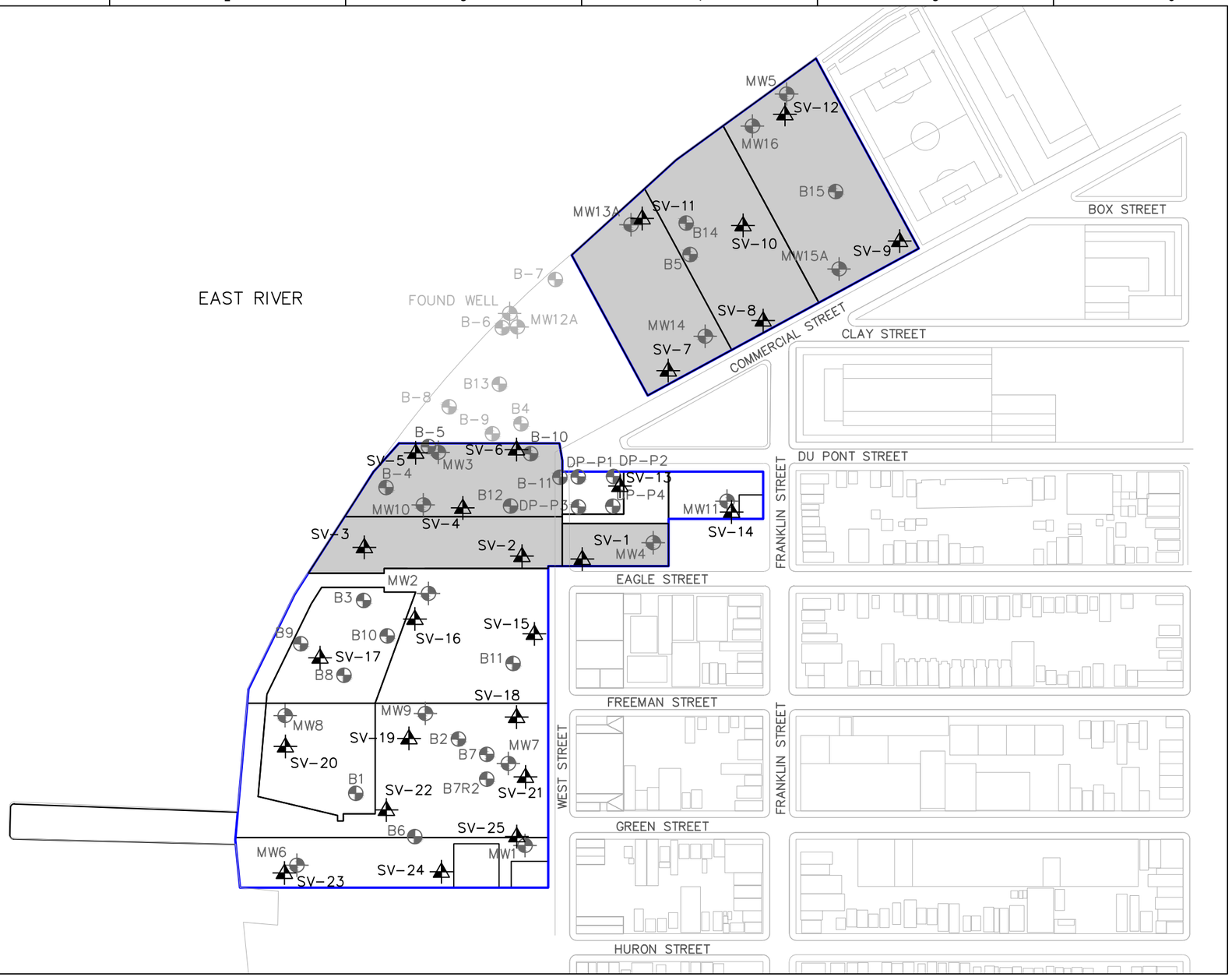

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION
- B1 — PREVIOUS ON-SITE SOIL BORING LOCATION AND ID (AKRF 2001, 2003)
- B4 — PREVIOUS OFF-SITE SOIL BORING LOCATION AND ID (AKRF 2001, 2003)
- MW1 — PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2001, 2003)
- MW12A — PREVIOUS OFF-SITE MONITORING WELL LOCATION AND ID (AKRF 2001, 2003)
- DP-P1 — PREVIOUS ON-SITE BORING LOCATION LOCATION AND ID (NYCDEP 2000) (EAST RIVER SLUDGE STORAGE FACILITY)
- B-4 — PREVIOUS ON-SITE BORING LOCATION AND ID (NYCDEP 2000) (EAST RIVER SLUDGE LOADING DOCK)
- B-6 — PREVIOUS OFF-SITE BORING LOCATION AND ID (NYCDEP 2000) (EAST RIVER SLUDGE LOADING DOCK)
- SV-1 — PROPOSED SOIL VAPOR SAMPLING LOCATION AND ID

NOTES:
1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. ALL SAMPLING LOCATIONS ARE APPROXIMATE.

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Project: GREENPOINT LANDING
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Drawing Title: PROPOSED SOIL VAPOR SAMPLING LOCATIONS

Project No. 170229002	Drawing No. 12
Date 7/9/2013	
Scale 1"=250'	
Drawn By GW	
Submission Date	Sheet 12 of 13

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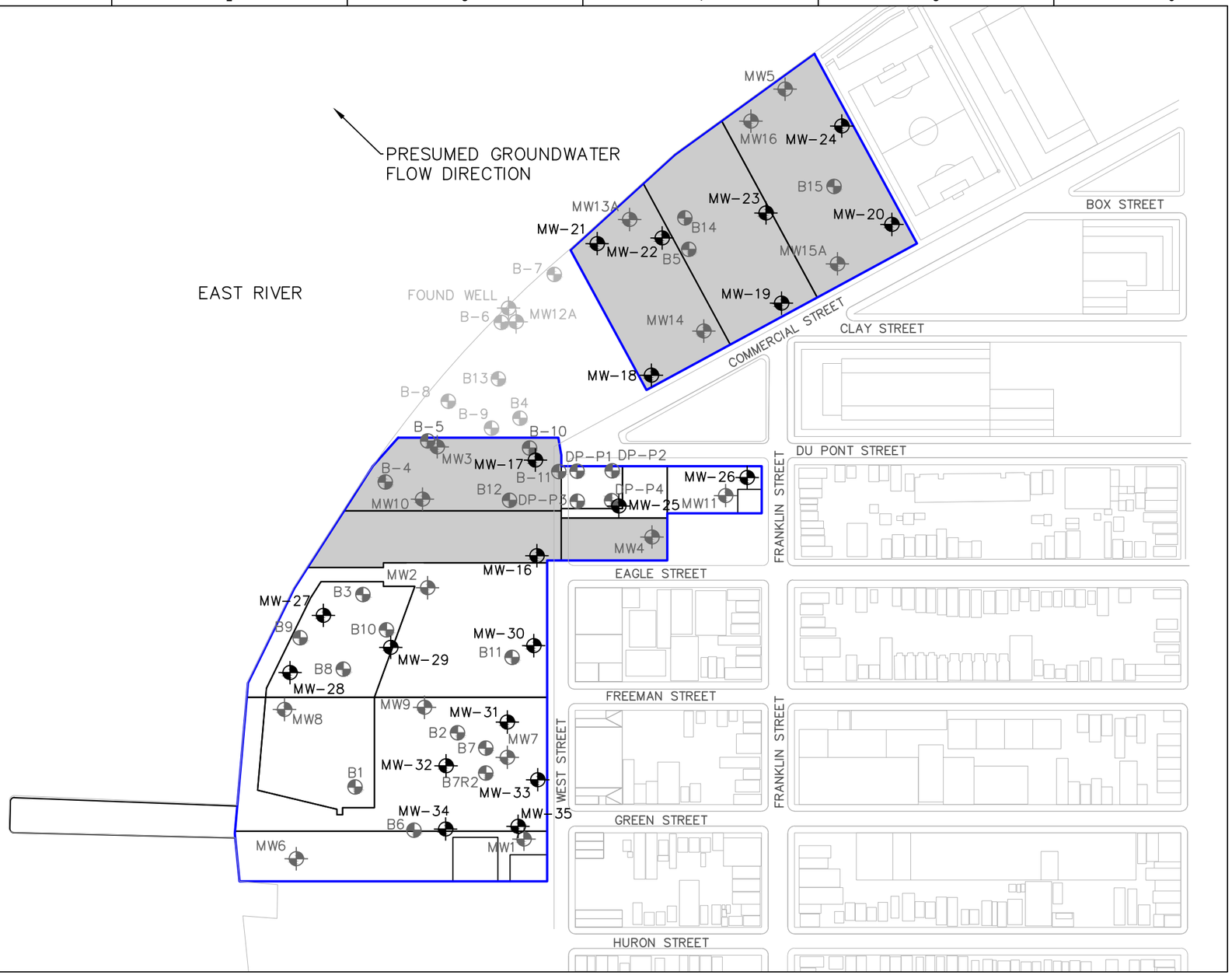

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- INITIAL PARCELS SUBJECT TO REMEDIAL INVESTIGATION
- B1 — PREVIOUS ON-SITE SOIL BORING LOCATION AND ID (AKRF 2001, 2003)
- B4 — PREVIOUS OFF-SITE SOIL BORING LOCATION AND ID (AKRF 2001, 2003)
- MW1 — PREVIOUS ON-SITE MONITORING WELL LOCATION AND ID (AKRF 2001, 2003)
- MW12A — PREVIOUS OFF-SITE MONITORING WELL LOCATION AND ID (AKRF 2001, 2003)
- DP-P1 — PREVIOUS ON-SITE BORING LOCATION LOCATION AND ID (NYCDEP 2000) (EAST RIVER SLUDGE STORAGE FACILITY)
- B-4 — PREVIOUS ON-SITE BORING LOCATION AND ID (NYCDEP 2000) (EAST RIVER SLUDGE LOADING DOCK)
- B-6 — PREVIOUS OFF-SITE BORING LOCATION AND ID (NYCDEP 2000) (EAST RIVER SLUDGE LOADING DOCK)
- MW-16 — PROPOSED SOIL BORING AND MONITORING WELL LOCATION AND ID

NOTES:
1. BASE MAP SOURCE: DRAWING "130215_FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. ALL SAMPLING LOCATIONS ARE APPROXIMATE.

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Project: GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title: PROPOSED SOIL AND GROUNDWATER SAMPLING LOCATIONS

Project No. 170229002	Drawing No. 13
Date 7/9/2013	
Scale 1"=250'	
Drawn By GW	
Submission Date	Sheet 13 of 13

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TABLES

Table 1
Previous Analytical Soil Results
NYCDEP Environmental Design Report (April 2007)
East River Sludge Storage Facility

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

		ON-SITE (PARCEL CP2)																	
Location	**Hazardous Waste Regulatory Levels for Toxicity Characteristic**	**SSF**		**SSF**		**SSF**		**SSF**		**SSF**		**SSF**		**SSF**		**SSF**		**SSF**	
Sample ID		**DP-P1**		**DP-P2**		**DP-P3**		**DP-P4**		**DP-P1**		**DP-P2**		**DP-P3**		**DP-P4**		**DP-P5***	
Sample Date		**10/26/2000**		**10/26/2000**		**10/26/2000**		**10/26/2000**		**10/26/2000**		**10/26/2000**		**10/26/2000**		**10/26/2000**		**10/26/2000**	
Sample Type		**Grab**		**Grab**		**Grab**		**Grab**		**Composite**		**Composite**		**Composite**		**Composite**		**Composite**	
Sampling Depth (feet)		**4-8**		**4-8**		**4-8**		**8-9**		**0-12**		**0-16**		**0-12**		**0-9**		**0-16**	
TCLP VOC (mg/L)																			
VOC	-	ND		ND		ND		ND		NA		NA		NA		NA		NA	
TCLP SVOC (mg/L)																			
SVOC	-	NA		NA		NA		NA		ND		ND		ND		ND		ND	
TCLP Metals (mg/L)																			
Arsenic	5	NA		NA		NA		NA		ND		ND		ND		0.0725	B	0.0858	B
Lead	5	NA		NA		NA		NA		0.132		ND		ND		ND		ND	
Barium	100	NA		NA		NA		NA		1.06	B	0.605	B	0.608	B	0.731	B	0.673	B
Cadmium	1	NA		NA		NA		NA		0.0312	B	0.0292	B	0.0264	B	0.0268	B	0.0316	B
Selenium	1	NA		NA		NA		NA		ND		0.0624	Z	ND		ND		0.0624	Z

Notes:
1. Grab and composite soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO).
2. Only detections are shown.
3. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and highlighted.
4. mg/L = milligrams per kilogram
5. "-" = Criteria not available
6. NA = Not applicable
7. ND = Not detected
8. "*" = Duplicate sample of DP-P2(0-16)

Qualifiers:
B = Reported value is less than the contract required detection limit, but greater than or equal to the instrument detection limit.

Z = Duplicate analysis not within limits

Table 2
Previous Analytical Soil Results
NYCDEP Environmental Design Report (April 2007)
East River Sludge Loading Dock

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location	NYSDEC Part 375 Restricted Residential Use SCO	NYSDEC Part 375 Unrestricted Use SCO	Hazardous Waste Regulatory Levels for Toxicity Characteristic	ON-SITE (PARCEL D1)																							
				B-4						B-5						B-10						B-11					
Sample ID				E-01		E-02		E-03		E-01		E-02		E-03		E-01		E-02		E-03		E-01		E-02		E-03	
Sample Date				9/7/2000		9/7/2000		9/7/2000		9/15/2000		9/15/2000		9/15/2000		9/14/2000		9/14/2000		9/14/2000		9/18/2000		9/18/2000		9/18/2000	
Sampling Depth (feet)				0-10		10-25		10-15		0-10		10-25		0-5		0-10		10-25		5-10		0-10		10-25		10-15	
TCL VOC (mg/kg)																											
Methylene Chloride	100	0.05	NA	0.0044	J	0.0049	J	0.0046	J	0.0068		0.0063		0.0069		0.0067		0.0065		0.0066		0.0086		0.0095		0.011	
Toluene	100	0.7	NA	ND		ND		ND		ND		ND		ND		ND		ND		0.0046	J	ND		ND		ND	
Total VOCs	-	-	NA	0.0044	J	0.0049	J	0.0046	J	0.0068		0.0063		0.0069		0.0067		0.0065		0.0112		0.0086		0.0095		0.011	
TCL SVOC (mg/kg)																											
2-Methylnaphthalene	-	-	NA	ND		0.066	J	0.081	J	ND		0.12	J	ND		1.5	JD	0.32	JD	0.88	JD	ND		ND		ND	
3,4 Methylphenols	100	0.33	NA	ND		ND		ND		ND		ND		ND		0.1	J	ND		0.064	J	ND		ND		ND	
4-Chloroaniline	-	-	NA	ND		ND		NA		ND		ND		NA		ND		0.2	J	NA		ND		ND		NA	
4-Nitrophenol	-	-	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	100	20	NA	ND		0.17	J	0.21	J	ND		0.35	J	ND		5.3	D	1.1	JD	2.7	JD	ND		ND		ND	
Acenaphthylene	100	100	NA	ND		0.064	J	0.075	J	ND		ND		ND		0.081	J	0.15	J	0.95	JD	ND		ND		ND	
Anthracene	100	100	NA	0.44	J	0.4		0.51		0.14	J	0.68		0.039	J	10	D	2.2	D	4.9	D	0.059	J	ND		ND	
Benzo(a)anthracene	1	1	NA	1.1	J	0.81		0.94		0.42		0.97		0.12	J	12	D	2.5	D	7	D	0.13	J	ND		ND	
Benzo(a)pyrene	1	1	NA	1	J	0.71		0.79		0.36	J	0.75		0.11	J	8.3	D	1.7	JD	4.9	D	0.11	J	ND		ND	
Benzo(b)fluoranthene	1	1	NA	0.66	J	0.45		0.58		0.28	J	0.63		0.084	J	8	D	1.7		4.7	D	0.096	J	ND		ND	
Benzo(ghi)perylene	100	100	NA	1.8	J	1.1		1.3		0.28	J	0.52		0.086	J	2.2		0.77	JD	1.3	JD	0.087	J	ND		ND	
Benzo(k)fluoranthene	3.9	0.8	NA	0.72	J	0.53		0.6		0.31	J	0.63		0.11	J	10	D	1.7	JD	5.7	D	0.076	J	ND		ND	
Bis(2-Ethylhexyl)phthalate	-	-	NA	ND		0.73		0.6		0.073	J	0.3	J	0.14	J	0.86		ND		0.45		ND		ND		0.048	J
Carbazole	-	-	NA	ND		0.14		0.19	J	ND		0.24	J	ND		7.7	D	1.4	JD	4.3	D	ND		ND		ND	
Chrysene	3.9	1	NA	1.1	J	0.84		0.92		0.42		0.87		0.12	J	13	D	2.5	D	7.4	D	0.14	J	ND		ND	
Dibenzo(a,h)anthracene	0.33	0.33	NA	ND		ND		0.12	J	ND		0.06	J	ND		0.31	J	0.058	J	0.2	JD	ND		ND		ND	
Dibenzofuran	-	-	NA	ND		0.11	J	0.15	J	ND		0.23	J	ND		3.6	JD	0.78	JD	2	JD	ND		ND		ND	
Di-n-butylphthalate	-	-	NA	ND		0.072	J	0.086	J	0.046	J	0.15	J	0.076	J	0.44		0.26	J	0.097	J	ND		ND		0.076	J
Fluoranthene	100	100	NA	1.3	J	1		1.2		0.78		1.9		0.2	J	29	D	5.9	D	15	D	0.35	J	ND		ND	
Fluorene	100	30	NA	ND		0.18	J	0.23	J	0.043	J	0.42		ND		7.8	D	1.7	JD	4	D	ND		ND		ND	
Indeno(1,2,3-cd)Pyrene	0.5	0.5	NA	1.6	J	1.1		1.4		0.2	J	0.37	J	0.058	J	1.5	JD	0.65	JD	1.1	JD	0.1	J	ND		ND	
Naphthalene	100	12	NA	0.39	J	0.12	J	0.21	J	ND		ND		ND		3.8	JD	0.69	JD	2.3	JD	ND		ND		ND	
n-Nitrosodiphenylamine	-	-	NA	ND		0.087	J	0.067	J	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	100	100	NA	2	J	1.6		1.9		0.52		1.9		0.13	J	36	D	7.5	D	19	D	0.27	J	ND		ND	
Pyrene	100	100	NA	2	J	1.9		2.1		0.7		1.7		0.22	J	20	D	3.7	D	11	D	0.18	J	ND		ND	
Total SVOCs	-	-	NA	14.11	J	12.179		14.259		4.572		12.79		1.493	J	181.491		37.478		99.941		1.598	J	ND		0.124	J
PCBs (mg/kg)																											
PCBs	1	0.1	NA	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP VOCs (mg/L)																											
VOCs	NA	NA	-	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP SVOCs (mg/L)																											
SVOCs	NA	NA	-	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP Pesticides (mg/L)																											
Pesticides	NA	NA	-	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP Herbicides(mg/L)																											
Herbicides	NA	NA	-	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP Metals (mg/L)																											
Arsenic	NA	NA	5	ND		ND		NA		0.456		0.0605	B	NA		0.0332	B	0.0298	B	NA		ND		ND		NA	
Lead	NA	NA	5	1.2		0.48		NA		0.0403		0.021	B	NA		0.0258	B	0.125		NA		ND		0.0247	B	NA	
Barium	NA	NA	100	1.7		0.9		NA		0.0468	B	0.0434	B	NA		0.0366	B	0.0272		NA		0.0236	B	0.0264	B	NA	
Cadmium	NA	NA	1	0.000044		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
Mercury	NA	NA	0.2	ND		ND		NA		ND		ND		NA		0.0011	B	0.0026		NA		ND		ND		NA	
Selenium	NA	NA	1	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
GRO (mg/kg)																											
GRO	-	-	NA	ND		ND		NA		ND		ND		NA		ND		0.11		NA		ND		0.061		NA	
DRO (mg/kg)																											
DRO	-	-	NA	ND		ND		NA		ND		ND		NA		0.031		0.3		NA		ND		ND		NA	
Wet Chemistry																											
Corrosivity (std. units)	NA	NA	<2 or >12.5	8.5		8.6		NA		9.1		9.4		NA		8.8		8		NA		7.9		9.9		NA	
Ignitability (°F)	NA	NA	Ignitable	Unignit.		Unignit.		NA		Unignit.		Unignit.		NA		Unignit.		Unignit.		NA		Unignit.		Unignit.		NA	
Sulfide Reactivity (mg/kg)	NA	NA	500	ND		ND		NA		80		ND		NA		ND		ND		NA		ND		ND		NA	

Notes:

1. Discrete (E-03) and composite (E-01 and E-02) soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCO.

2. Composite (E-01 and E-02) soil sample analytical results are compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic.
3. Only detections are shown.
4. Results above NYSDEC Part 375 Restricted Residential Use SCO are shaded.
5. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
6. mg/kg = milligrams per kilogram
7. mg/L = miligrams per liter
8. "-" = Criteria not available
9. NA = Not analyzed
10. ND = Not detected

Qualifiers:
J = Estimated value; analyte was detected between the RL and MDL.
B= Reported value is less than the contract required detection limit, but greater than or equal to the instrument detection limit.
D = Sample diluted; dilution factor unknown.

Table 2
Previous Analytical Soil Results
NYCDEP Environmental Design Report (April 2007)
East River Sludge Loading Dock

Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location	NYSDEC Part 375 Restricted Residential Use SCO	NYSDEC Part 375 Unrestricted Use SCO	Hazardous Waste Regulatory Levels for Toxicity Characteristic	OFF-SITE																							
				B-6						B-7						B-8						B-9					
Sample ID				E-01		E-02		E-03		E-01		E-02		E-03		E-01		E-02		E-03		E-01		E-02		E-03	
Sample Date				9/11/2000		9/11/2000		9/11/2000		9/8/2000		9/8/2000		9/8/2000		9/12/2000		9/12/2000		9/12/2000		9/13/2000		9/13/2000		9/13/2000	
Sampling Depth (feet)				0-10		10-25		10-15		0-10		10-25		5-10		0-10		10-25		15-20		0-10		10-25		5-10	
TCL VOC (mg/kg)																											
Methylene Chloride	100	0.05	NA	0.0032	J	0.0041	J	0.0036	J	0.0026	J	0.0031	J	0.0036	J	0.0061		0.0055	J	0.006		0.0068		0.0089		0.014	
Toluene	100	0.7	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Total VOCs	-	-	NA	0.0032	J	0.0041	J	0.0036	J	0.0026	J	0.0031	J	0.0036	J	0.0061		0.0055	J	0.006		0.0068		0.0089		0.014	
TCL SVOC (mg/kg)																											
2-Methylnaphthalene	-	-	NA	ND		0.13	J	0.27	J	ND		ND		ND		0.049	J	0.041	J	0.062	J	0.55	JD	ND		ND	
3,4 Methylphenols	100	0.33	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Chloroaniline	-	-	NA	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
4-Nitrophenol	-	-	NA	ND		0.12	J	0.22	J	ND		ND		ND		0.064	J	ND		ND		ND		ND		ND	
Acenaphthene	100	20	NA	0.067	J	0.15	J	0.16	J	ND		ND		ND		0.19	J	0.28	J	0.23	J	2.5	JD	0.083	J	0.1	J
Acenaphthylene	100	100	NA	ND		0.2	J	0.22	J	ND		ND		ND		ND		0.042	J	0.048	J	ND		ND		ND	
Anthracene	100	100	NA	0.14	J	0.49		0.56		ND		ND		ND		0.4		0.52		0.48		5	JD	0.22	J	0.3	J
Benzo(a)anthracene	1	1	NA	0.34	J	1.1		1.1		0.039	J	ND		ND		0.69		0.95		0.65		6.5	D	0.34	J	0.52	J
Benzo(a)pyrene	1	1	NA	0.32	J	1		0.83		0.044	J	ND		ND		0.59		0.78		0.53		3.9	JD	0.27	J	0.4	J
Benzo(b)fluoranthene	1	1	NA	0.26	J	0.64		0.59		ND		ND		ND		0.47		0.62		0.4		4.2	JD	0.23	J	0.42	J
Benzo(ghi)perylene	100	100	NA	0.36	J	0.94		0.54		ND		ND		ND		0.7		0.53		0.44		0.8	J	0.077	J	0.12	J
Benzo(k)fluoranthene	3.9	0.8	NA	0.24	J	0.73		0.75		0.063	J	ND		ND		0.41		0.66		0.45		5		0.32	J	0.47	J
Bis(2-Ethylhexyl)phthalate	-	-	NA	0.099	J	0.39	J	0.57		0.078	J	0.47		0.14	J	0.18	J	0.15	J	0.12	J	0.12	J	0.058	J	0.13	J
Carbazole	-	-	NA	0.046	J	0.15	J	ND		ND		ND		ND		0.12	J	0.19	J	0.14	J	3.6	JD	0.079	J	0.12	J
Chrysene	3.9	1	NA	0.34	J	1.1		1.1		0.043	J	ND		ND		0.67		0.95		0.62		6.8	D	0.38	J	0.57	J
Dibenzo(a,h)anthracene	0.33	0.33	NA	ND		0.068	J	0.078	J	ND		ND		ND		0.049	J	0.052	J	ND		0.12	J	ND		ND	
Dibenzofuran	-	-	NA	ND		0.19	J	0.34	J	ND		ND		ND		0.098	J	0.14	J	0.14	J	1.6	JD	ND		ND	
Di-n-butylphthalate	-	-	NA	0.088	J	0.099	J	ND		0.045	J	0.048	J	0.07	J	0.1	J	0.15	J	0.21	J	ND		0.087	J	0.074	J
Fluoranthene	100	100	NA	0.51		1.4		1.8		0.078	J	0.072	J	0.055	J	0.91		1.7		1.2		15	D	0.63		0.86	
Fluorene	100	30	NA	0.059	J	0.38	J	0.62		ND		ND		ND		0.21	J	0.32	J	0.29	J	3.8	JD	0.11	J	0.14	J
Indeno(1,2,3-cd)Pyrene	0.5	0.5	NA	0.21	J	0.59		ND		ND		ND		ND		0.53		0.38	J	0.24	J	0.29	J	ND		ND	
Naphthalene	100	12	NA	0.044	J	0.16	J	0.23	J	ND		ND		ND		0.11	J	0.084	J	0.095	J	1.2	JD	ND		ND	
n-Nitrosodiphenylamine	-	-	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	100	100	NA	0.52		1.8		2.4		0.043	J	0.057	J	0.057	J	1.3		1.6		1.4		17	D	0.8		1	
Pyrene	100	100	NA	0.85		2.3		2.1		0.058	J	0.058	J	0.047	J	1.6		1.6		1.4		10	D	0.9		1.6	
Total SVOCs	-	-	NA	4.493		14.127		14.478		0.491	J	0.705		0.369	J	9.44		11.739		9.145		87.98		4.584		6.824	
PCBs (mg/kg)																											
PCBs	1	0.1	NA	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP VOCs (mg/L)																											
VOCs	NA	NA	-	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP SVOCs (mg/L)																											
SVOCs	NA	NA	-	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP Pesticides (mg/L)																											
Pesticides	NA	NA	-	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP Herbicides(mg/L)																											
Herbicides	NA	NA	-	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	
TCLP Metals (mg/L)																											
Arsenic	NA	NA	5	0.061		0.046		NA		ND		ND		NA		NA		NA		NA		0.0928	B	0.0836	B	NA	
Lead	NA	NA	5	ND		ND		NA		ND		0.00024		NA		NA		NA		NA		0.0366		0.0448		NA	
Barium	NA	NA	100	0.052		0.043		NA		0.00055		0.00048		NA		NA		NA		NA		ND		0.0136	B	NA	
Cadmium	NA	NA	1	ND		ND		NA		ND		ND		NA		NA		NA		NA		ND		ND		NA	
Mercury	NA	NA	0.2	ND		ND		NA		ND		ND		NA		NA		NA		NA		0.0012	B	ND		NA	
Selenium	NA	NA	1	ND		0.04		NA		ND		ND		NA		NA		NA		NA		0.031	B	0.0543		NA	
GRO (mg/kg)																											
GRO	-	-	NA	ND		ND		NA		ND		ND		NA		ND		ND		NA		0.46		0.075		NA	
DRO (mg/kg)																											
DRO	-	-	NA	0.019		0.033		NA		0.092		0.047		NA		ND		0.023		NA		0.11		0.025		NA	
Wet Chemistry																											
Corrosivity (std. units)	NA	NA	<2 or >12.5	8.7		8.4		NA		9		8.4		NA		8.9		9.1		NA		8.9		10		NA	
Ignitability (°F)	NA	NA	Ignitable	Unignit.		Unignit.		NA		Unignit.		Unignit.		NA		Unignit.		Unignit.		NA		Unignit.		Unignit.		NA	
Sulfide Reactivity (mg/kg)	NA	NA	500	ND		ND		NA		ND		ND		NA		ND		ND		NA		ND		ND		NA	

Notes:

1. Discrete (E-03) and composite (E-01 and E-02) soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCO.

2. Composite (E-01 and E-02) soil sample analytical results are compared to the Hazardous Waste Regulatory Levels for Toxicity Characteristic.
3. Only detections are shown.
4. Results above NYSDEC Part 375 Restricted Residential Use SCO are shaded.
5. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
6. mg/kg = milligrams per kilogram
7. mg/L = miligrams per liter
8. "-" = Criteria not available
9. NA = Not analyzed
10. ND = Not detected

Qualifiers:
J = Estimated value; analyte was detected between the RL and MDL.
B= Reported value is less than the contract required detection limit, but greater than or equal to the instrument detection limit.
D = Sample diluted; dilution factor unknown.

Table 3
Previous Analytical Soil Results (VOC,SVOC, PCB, Pesticides)
AKRF Phase II ESI 2001

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS E3, D1, D2, F, G, H)															
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B5**		**B5**		**MW3**		**MW3**		**MW4**		**MW4**		**MW5**		**MW5**	
Sample ID			**B5 (2-4)**		**B5 (5-7)**		**MW3 (0-2)**		**MW3 (5-7)**		**MW4 (0-2)**		**MW4 (13-15)**		**MW5 (0-2)**		**MW5 (4-6)**	
Lab Sample ID			**0020179**		**0020180**		**0020199**		**0020200**		**0020202**		**0020203**		**0020205**		**0020206**	
Sample Date			**8/16/2001**		**8/16/2001**		**8/17/2001**		**8/17/2001**		**8/17/2001**		**8/17/2001**		**8/17/2001**		**8/17/2001**	
Sampling Depth (feet)			**2-4**		**5-7**		**0-2**		**5-7**		**0-2**		**13-15**		**0-2**		**4-6**	
VOC (mg/kg)																		
1,2,4-Trimethylbenzene	52	3.6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,3,5-Trimethylbenzene	52	8.4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Acetone	100	0.05	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Ethylbenzene	41	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
m+p Xylene	-	-	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
o-Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Total Xylenes	100	0.26	ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs	-	-	ND		ND		ND		ND		ND		ND		ND		ND	
SVOC (mg/kg)																		
2-Methylnaphthalene	-	-	0.04	U	0.028		0.08	U	1.5		1.6		0.12		0.32	U	0.32	U
2-Methylphenol	100	0.33	0.04	U	0.04	U	0.08	U	0.32	U	*1.6*	U	0.08	U	0.32	U	0.32	U
Acenaphthene	100	20	0.04	U	0.053		0.2		3.8		6.1		0.36		0.46		1.2	
Acenaphthylene	100	100	0.04	U	0.04	U	0.17		0.62		1.6	U	0.12		0.32	U	0.32	U
Anthracene	100	100	0.04	U	0.13		0.67		7.6		9.2		0.83		1.4		3.3	
Benzo(a)anthracene	1	1	0.087		0.22		**2**		**12**		**30**		**2.6**		**5.4**		**9.2**	
Benzo(a)pyrene	1	1	0.092		0.22		**2**		**10**		**31**		**2.6**		**5**		**8.2**	
Benzo(b)fluoranthene	1	1	0.12		0.3		**2.5**		**13**		**40**		**3.4**		**4.7**		**10**	
Benzo(g,h,i)perylene	100	100	0.094		0.17		1.3		5.2		22		2		3.4		5	
Benzo(k)fluoranthene	3.9	0.8	0.13		0.31		**0.88**		**4.5**		**14**		**1.4**		**4.1**		**3.4**	
Benzoic Acid	-	-	0.07	U	0.2		0.19		0.32	U	2.8	U	0.17		0.56	U	0.56	U
Bis(2-ethylhexyl)Phthalate	-	-	2.4		2.5		0.1		0.66		1.6	U	0.08	U	0.35		0.43	
Carbazole	-	-	0.04	U	0.06		0.3		3.3		6.2		0.59		0.54		1	
Chrysene	3.9	1	0.11		0.22		**2.2**		**11**		**38**		**3.2**		**5.3**		**9**	
Dibenzo(a,h)anthracene	0.33	0.33	0.04	U	0.22		**0.34**		**1.7**		**5.5**		**0.49**		**0.82**		**1.4**	
Dibenzofuran	-	-	0.04	U	0.047		0.098		2.3		2.8		0.22		0.32	U	0.64	
Di-n-butyl Phthalate	-	-	0.04	U	0.04	U	0.08	U	0.32	U	1.6	U	0.08	U	0.32	U	0.32	U
Fluoranthene	100	100	0.15		0.49		4.4		30		86		7.1		11		20	
Fluorene	100	30	0.04	U	0.061		0.25		4.5		5.3		0.38		0.45		1.2	
Indeno(1,2,3-c,d)pyrene	0.5	0.5	0.069		0.15		**1.2**		**5.6**		**20**		**1.9**		**3.2**		**4.9**	
Naphthalene	100	12	0.04	U	0.04	U	0.08	U	3.8		2		0.15		0.32	U	0.32	U
Phenanthrene	100	100	0.12		0.57		2.8		31		79		6.1		7.3		15	
Pyrene	100	100	0.2		0.46		3.9		24		76		5.9		10		18	
TOTAL SVOCs	-	-	3.572		6.409		25.498		176.08		474.7		39.63		63.42		111.87	
PCB (mg/kg)																		
Aroclor-1254	-	-	0.08	U	NA		0.08	U	NA		NA		NA		0.08	U	NA	
Aroclor-1260	-	-	0.08	U	NA		0.08	U	NA		NA		NA		0.08	U	NA	
TOTAL PCBs	1	0.1	ND		NA		ND		NA		NA		NA		ND		NA	
Pesticides (mg/kg)																		
4,4'-DDT	7.9	0.0033	*0.005*	U	NA		*0.005*	U	NA		NA		NA		**0.0096**		NA	
Endosulfan I	24	2.4	0.005	U	NA		0.005	U	NA		NA		NA		0.06		NA	
Endrin Ketone	-	-	0.005	U	NA		0.005	U	NA		NA		NA		0.0092		NA	

Notes:
1. Discrete soil analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCOs.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are highlighted.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. VOC = Volatile Organic Compounds
6. SVOC = Semivolatile Organic Compounds
7. PCB = Polychlorinated Biphenyls
8. mg/kg = milligrams per kilogram
9. "-" = Criteria not available
10. NA - Not analyzed

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 3
Previous Analytical Soil Results (VOC,SVOC, PCB, Pesticides)
AKRF Phase II ESI 2001

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS A, B, C)																		OFF-SITE			
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B1**		**B1**		**B2**		**B3**		**B3**		**MW1**		**MW1**		**MW2**		**MW2**		**B4**		**B4**	
Sample ID			**B1 (1-2)**		**B1 (4-5)**		**B2 (0-1)**		**B3 (1-3)**		**B3 (8-10)**		**MW1 (5-6)**		**MW1 (8-9)**		**MW2 (5-7)**		**MW (9-11)**		**B4 (2-4)**		**B4 (6-8)**	
Lab Sample ID			**0020174**		**0020175**		**0020176**		**0020196**		**0020197**		**0020181**		**0020182**		**0020184**		**0020185**		**0020177**		**0020178**	
Sample Date			**8/16/2001**		**8/16/2001**		**8/16/2001**		**8/17/2001**		**8/17/2001**		**8/16/2001**		**8/16/2001**		**8/16/2001**		**8/16/2001**		**8/16/2001**		**8/16/2001**	
Sampling Depth (feet)			**1-2**		**4-5**		**0-1**		**1-3**		**8-10**		**5-6**		**8-9**		**5-7**		**9-11**		**2-4**		**6-8**	
VOC (mg/kg)																								
1,2,4-Trimethylbenzene	52	3.6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.03		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,3,5-Trimethylbenzene	52	8.4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.008		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Acetone	100	0.05	**0.29**		**0.11**		0.01	U	0.01	U	0.01	U	**0.78**		**0.096**		**0.13**		**0.12**		0.01	U	0.01	U
Ethylbenzene	41	1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.008		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
m+p Xylene	-	-	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.014		0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
o-Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.008		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Total Xylenes	100	0.26	ND		ND		ND		ND		ND		0.022		ND		ND		ND		ND		ND	
TOTAL VOCs	-	-	0.29		0.11		ND		ND		ND		0.85		0.096		0.13		0.12		ND		ND	
SVOC (mg/kg)																								
2-Methylnaphthalene	-	-	0.13		0.095		0.1		1.2		0.08	U	0.04	U	0.088		0.59		0.056		0.04	U	0.04	U
2-Methylphenol	100	0.33	0.04	U	0.04	U	0.04	U	0.08	U	0.08	U	0.04	U	0.04	U	0.22		0.04	U	0.04	U	0.04	U
Acenaphthene	100	20	0.04	U	0.04	U	0.24		0.08		0.17		0.04	U	0.1		0.27		0.14		0.04	U	0.04	U
Acenaphthylene	100	100	0.04	U	0.04	U	0.15		0.12		0.08	U	0.04	U	0.04	U	0.17		0.068		0.04	U	0.04	U
Anthracene	100	100	0.045		0.04	U	0.98		0.26		0.38		0.04	U	0.19		0.75		0.37		0.13		0.04	U
Benzo(a)anthracene	1	1	0.14		0.11		**4**		0.57		0.97		0.04	U	0.36		**2.1**		0.91		**1.2**		0.04	U
Benzo(a)pyrene	1	1	0.17		0.15		**3.8**		0.5		0.95		0.04	U	0.31		**1.8**		0.84		**1.3**		0.04	U
Benzo(b)fluoranthene	1	1	0.27		0.26		**6**		0.52		0.94		0.04	U	0.51		**3.2**		**1.4**		**1.8**		0.04	U
Benzo(g,h,i)perylene	100	100	0.17		0.1		2.8		0.34		0.62		0.04	U	0.23		1.3		0.44		1.2		0.04	U
Benzo(k)fluoranthene	3.9	0.8	0.28		0.27		**6.4**		0.36		0.67		0.04	U	0.54		**3.4**		**1.5**		**1.9**		0.04	U
Benzoic Acid	-	-	0.28		0.07	U	0.07	U	0.14	U	0.14	U	0.23		0.07	U	0.07	U	0.07	U	0.07	U	0.07	U
Bis(2-ethylhexyl)Phthalate	-	-	0.73		0.84		0.44		0.11		0.46		2.2		1.6		0.91		0.66		0.04	U	0.22	
Carbazole	-	-	0.04	U	0.04	U	0.21		0.09		0.11		0.04	U	0.091		0.04	U	0.11		0.04	U	0.04	U
Chrysene	3.9	1	0.16		0.14		**4.4**		0.74		1		0.04	U	0.38		**2.8**		0.94		**1.4**		0.04	U
Dibenzo(a,h)anthracene	0.33	0.33	0.04	U	0.04	U	**1.1**		0.11		0.15		0.04	U	0.086		**0.52**		0.19		0.1		0.04	U
Dibenzofuran	-	-	0.04	U	0.04	U	0.04	U	0.17		0.095		0.04	U	0.046		0.21		0.098		0.04	U	0.04	U
Di-n-butyl Phthalate	-	-	0.04	U	0.04	U	0.04	U	0.11		0.08	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
Fluoranthene	100	100	0.23		0.15		5.6		1.1		2.1		0.04	U	0.69		4.9		1.3		1.5		0.04	U
Fluorene	100	30	0.04	U	0.04	U	0.32		0.28		0.14		0.04	U	0.1		0.5		0.19		0.04	U	0.04	U
Indeno(1,2,3-c,d)pyrene	0.5	0.5	0.04	U	0.096		**0.54**		0.31		**0.55**		0.04	U	0.24		**1.1**		0.083		**1.1**		0.04	U
Naphthalene	100	12	0.11		0.04	U	0.04	U	0.46		0.087		0.04	U	0.11		0.04	U	0.074		0.04	U	0.04	U
Phenanthrene	100	100	0.17		0.16		3.9		1.4		1.5		0.04	U	0.8		3.2		1.2		0.64		0.04	U
Pyrene	100	100	0.29		0.22		7.8		0.99		2.1		0.04	U	0.78		4.5		1.2		2.7		0.04	U
TOTAL SVOCs	-	-	3.175		2.591		48.78		9.82		12.992		2.43		7.251		32.44		11.769		14.97		0.22	
PCB (mg/kg)																								
Aroclor-1254	-	-	NA		NA		0.13		NA		NA		NA		NA		NA		NA		NA		NA	
Aroclor-1260	-	-	NA		NA		0.17		NA		NA		NA		NA		NA		NA		NA		NA	
TOTAL PCBs	1	0.1	NA		NA		**0.3**		NA		NA		NA		NA		NA		NA		NA		NA	
Pesticides (mg/kg)																								
4,4'-DDT	7.9	0.0033	NA		NA		**0.0064**		NA		NA		NA		NA		NA		NA		NA		NA	
Endosulfan I	24	2.4	NA		NA		0.005	U	NA		NA		NA		NA		NA		NA		NA		NA	
Endrin Ketone	-	-	NA		NA		0.005	U	NA		NA		NA		NA		NA		NA		NA		NA	

Notes:
1. Discrete soil analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCOs.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are highlighted.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. VOC = Volatile Organic Compounds
6. SVOC = Semivolatile Organic Compounds
7. PCB = Polychlorinated Biphenyls
8. mg/kg = milligrams per kilogram
9. "-" = Criteria not available
10. NA - Not analyzed

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 4
Previous Analytical Soil Results (Metals)
AKRF Phase II ESI 2001

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS E3, D1, D2, F, G, H)															
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B5**		**B5**		**MW3**		**MW3**		**MW4**		**MW4**		**MW5**		**MW5**	
Sample ID			**B5 (2-4)**		**B5 (5-7)**		**MW3 (0-2)**		**MW3 (5-7)**		**MW4 (0-2)**		**MW4 (13-15)**		**MW5 (0-2)**		**MW5 (4-6)**	
Lab Sample ID			**0020179**		**0020180**		**0020199**		**0020200**		**0020202**		**0020203**		**0020205**		**0020206**	
Sample Date			**8/16/2001**		**8/16/2001**		**8/17/2001**		**8/17/2001**		**8/17/2001**		**8/17/2001**		**8/17/2001**		**8/17/2001**	
Sampling Depth (feet)			**2-4**		**5-7**		**0-2**		**5-7**		**0-2**		**13-15**		**0-2**		**4-6**	
Metals (mg/kg)																		
Aluminum	-	-	3481		8197		17314		8150		3000		3028		5445		1864	
Antimony	-	-	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Arsenic	16	13	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Barium	400	350	127		33		429		119		51.3		23.3		54.6		5.22	
Beryllium	72	7.2	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium	4.3	2.5	0.5	U	0.5	U	0.667		0.5	U	0.5	U	0.5	U	0.554		0.5	U
Calcium	-	-	14069		1237		24325		1695		3950		1196		72765		8371	
Chromium	180	30	4.27		9.66		19.2		14.9		6.49		7.15		4.04		0.5	U
Cobalt	-	-	0.5	U	0.5	U	0.5	U	0.5	U	0.999		1.53		0.5	U	0.5	U
Copper	270	50	5.3		16.2		**67.5**		**57.6**		25.7		14.5		14.1		1.68	
Iron	-	-	5655		14793		27360		17950		9360		9875		7128		5874	
Lead	400	63	**291**		12.5		**315**		**294**		56		10.3		**122**		12.3	
Magnesium	-	-	2637		2561		6156		2010		1056		1649		20939		1156	
Manganese	2000	1600	61.4		170		255		262		132		289		83.4		1.76	
Mercury	0.81	0.18	0.05	U	0.103		**0.799**		**1.12**		**0.2**		0.101		**0.33**		0.157	
Nickel	310	30	4.15		9.22		10		9.44		7.43		7.55		4.89		0.5	U
Potassium	-	-	3	U	357		385		496		342		512		14929		12.3	
Selenium	180	3.9	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Silver	180	2	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Sodium	-	-	136		74.7		83.6		101		97.5		84.4		350		13.8	
Thallium	-	-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vanadium	-	-	9.28		14.2		20.5		20.4		13.9		12.1		43.9		0.5	U
Zinc	10000	109	**129**		31.8		**395**		**220**		60.3		41.4		**164**		2.72	

Notes:
1. Soil analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCO.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are shaded.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded in red.
5. mg/kg = milligrams per kilogram
6. "-" = Criteria not available

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 4
Previous Analytical Soil Results (Metals)
AKRF Phase II ESI 2001

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS A, B, C)																		OFF-SITE			
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B1**		**B1**		**B2**		**B3**		**B3**		**MW1**		**MW1**		**MW2**		**MW2**		**B4**		**B4**	
Sample ID			**B1 (1-2)**		**B1 (4-5)**		**B2 (0-1)**		**B3 (1-3)**		**B3 (8-10)**		**MW1 (5-6)**		**MW1 (8-9)**		**MW2 (5-7)**		**MW (9-11)**		**B4 (2-4)**		**B4 (6-8)**	
Lab Sample ID			**0020174**		**0020175**		**0020176**		**0020196**		**0020197**		**0020181**		**0020182**		**0020184**		**0020185**		**0020177**		**0020178**	
Sample Date			**8/16/2001**		**8/16/2001**		**8/16/2001**		**8/17/2001**		**8/17/2001**		**8/16/2001**		**8/16/2001**		**8/16/2001**		**8/16/2001**		**8/16/2001**		**8/16/2001**	
Sampling Depth (feet)			**1-2**		**4-5**		**0-1**		**1-3**		**8-10**		**5-6**		**8-9**		**5-7**		**9-11**		**2-4**		**6-8**	
Metals (mg/kg)																								
Aluminum	-	-	7584		6432		2569		2981		10192		2904		5040		4525		6270		3783		751	
Antimony	-	-	1	U	1	U	1	U	1	U	1	U	1	U	1	U	3.6		1	U	21.7		1	U
Arsenic	16	13	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Barium	400	350	35.5		44.5		51.4		103		73.5		16		48.6		108		87.2		68.4		11.3	
Beryllium	72	7.2	0.5	U	0.5	U	0.5	U	0.5	U	0.598		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium	4.3	2.5	0.058		0.5	U	0.5	U	2.05		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Calcium	-	-	6960		6144		75688		3043		24871		1545		4282		4131		15485		3905		2750	
Chromium	180	30	11.1		11.7		3.89		5.95		9.05		6.76		8.04		25.7		7.35		7.23		2.65	
Cobalt	-	-	0.5	U	0.5	U	0.5	U	2.52		0.5	U	0.528		0.5	U	0.597		0.5	U	0.608		1.68	
Copper	270	50	16.5		18.2		32.2		**72.8**		**53.3**		7.67		14.1		**116**		40.6		44.5		11.4	
Iron	-	-	14880		16464		8477		15216		9771		7304		9456		13123		13348		12005		3344	
Lead	400	63	32.4		31.1		61.1		**191**		**150**		3.57		**75.4**		**77.8**		**329**		**380**		8.54	
Magnesium	-	-	1896		3638		34773		1906		4558		2209		1747		3534		2617		1019		1121	
Manganese	2000	1600	190		311		134		246		93.7		66.2		100		71.3		219		110		17.5	
Mercury	0.81	0.18	0.05	U	0.14		0.105		0.119		0.05	U	0.114		**0.338**		0.05	U	0.094		0.05	U	0.107	
Nickel	310	30	9.08		9.79		6.35		22.3		8.79		6.76		8		20.8		7.3		16.9		6.04	
Potassium	-	-	474		507		3	U	647		3796		306		396		1549		2052		384		117	
Selenium	180	3.9	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Silver	180	2	0.5	U	0.5	U	0.5	U	0.845		0.5	U	0.5	U	0.633		0.5	U	0.5	U	0.5	U	0.5	U
Sodium	-	-	189		151		209		146		438		140		172		153		160		419		318	
Thallium	-	-	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vanadium	-	-	17.7		23.4		80.4		9.56		19.8		10.6		13.2		28.8		14.1		13.1		4.91	
Zinc	10000	109	25.7		47.4		66.4		**321**		39.2		13.2		37.8		**127**		47.5		75.6		6.53	

Notes:
1. Soil analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCO.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are shaded.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded in red.
5. mg/kg = milligrams per kilogram
6. "-" = Criteria not available

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 5
Previous Analytical Soil Results (VOC,SVOC)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS E3, D1, D2, F, G, H)															
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B12**		**B12**		**B14**		**B14**		**B15**		**B15**		**MW10**		**MW10**	
Sample ID			**B12 (0.5-2)**		**B12 (5-7)**		**B14 (2-3.5)**		**B14 (6-8)**		**B15 (0.5-2)**		**B15 (8-9)**		**MW10 (0.5-2)**		**MW10 (5-7)**	
Lab Sample ID			**0306116-01**		**0306116-02**		**0306117-15**		**0306117-16**		**0306117-18**		**0306117-17**		**0306116-20**		**0306117-01**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/25/2003**		**6/25/2003**	
Sampling Depth (feet)			**0.5-2**		**5-7**		**2-3.5**		**6-8**		**0.5-2**		**8-9**		**0.5-2**		**5-7**	
VOC (mg/kg)																		
1,2,4-Trimethylbenzene	52	3.6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,3,5-Trimethylbenzene	52	8.4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
4-Isopropyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Acetone	100	0.05	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.044		0.005	U	0.005	U
Benzene	4.8	0.06	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	49	0.37	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
m+p Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Naphthalene	-	12	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
o-Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
p-Diethylbenzene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
p-Ethyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	21	0.47	0.005	U	0.005	U	0.003	J	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl Chloride	0.9	0.02	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Total Xylenes	100	0.26	ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs	-	-	ND		ND		0.003		ND		ND		0.044		ND		ND	
SVOC (mg/kg)																		
1,2-Dichlorobenzene	100	1.1	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.069		0.04	U	0.08	U,D[2]	0.04	U
1,4-Dichlorobenzene	-	-	0.08	U,D[2]	0.04	U	0.055		0.04	U	0.04	U	0.04	U	0.17	D[2]	0.04	U
2,4-Dimethylphenol	-	-	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.04	U
2-Methylnaphthalene	-	-	0.29	D[2]	0.04	U	0.04	U	0.04	U	0.25		0.04	U	0.22	D[2]	0.058	
2-Methylphenol	100	0.33	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.04	U
3+4-Methylphenol	100	0.33	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.04	U
Acenaphthene	100	20	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.043		0.04	U	0.31	D[2]	0.18	
Acenaphthylene	100	100	0.13	D[2]	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.11	D[2]	0.045	
Anthracene	100	100	0.23	D[2]	0.063		0.056		0.04	U	0.11		0.04	U	0.74	D[2]	0.45	
Benzo(a)anthracene	1	1	1	D[2]	0.15		0.24		0.04	U	0.46		0.04	U	**1.4**	D[2]	1	
Benzo(a)pyrene	1	1	1	D[2]	0.11		0.25		0.04	U	0.41		0.04	U	**1.3**	D[2]	0.99	
Benzo(b)fluoranthene	1	1	**1.3**	D[2]	0.13		0.32		0.04	U	0.59		0.04	U	**1.5**	D[2]	**1.1**	
Benzo(g,h,i)perylene	100	100	0.86	D[2]	0.07		0.22		0.04	U	0.44		0.04	U	0.98	D[2]	0.69	
Benzo(k)fluoranthene	3.9	0.8	0.52	D[2]	0.057		0.1		0.04	U	0.24		0.04	U	0.61	D[2]	0.48	
Benzoic Acid	-	-	0.08	U,D[2]	0.15		0.084		0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.11	
Benzyl Alcohol	-	-	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.04	U
Bis(2-ethylhexyl)Phthalate	-	-	0.37	D[2]	0.04	U	0.04	U	0.04	U	0.69		0.04	U	0.46	D[2]	0.055	
Carbazole	-	-	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.24	D[2]	0.18	
Chrysene	3.9	1	**1.2**	D[2]	0.16		0.26		0.04	U	0.54		0.04	U	**1.4**	D[2]	**1.1**	
Dibenzo(a,h)anthracene	0.33	0.33	0.21	D[2]	0.04	U	0.055		0.04	U	0.07		0.04	U	0.23	D[2]	0.15	
Dibenzofuran	-	-	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.04		0.04	U	0.24	D[2]	0.12	
Diethyl Phthalate	-	-	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.04	U
Di-n-butyl Phthalate	-	-	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.08	D[2]	0.04	U
Fluoranthene	100	100	1.7	D[2]	0.33		0.4		0.04	U	0.73		0.059		3.5	D[2]	2.7	
Fluorene	100	30	0.11	D[2]	0.04	U	0.04	U	0.04	U	0.062		0.04	U	0.3	D[2]	0.19	
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**0.8**	D[2]	0.071		0.19		0.04	U	0.33		0.04	U	**0.9**	D[2]	**0.69**	
Isophorone	-	-	0.08	U,D[2]	0.055		0.04	U	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.04	U
Naphthalene	100	12	0.17	D[2]	0.04	U	0.04	U	0.04	U	0.16		0.04	U	0.27	D[2]	0.079	
Phenanthrene	100	100	1	D[2]	0.25		0.18		0.04	U	0.51		0.047		2.6	D[2]	2.4	
Phenol	100	0.33	0.08	U,D[2]	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.04	U
Pyrene	100	100	1.8	D[2]	0.32		0.41		0.04	U	0.8		0.06		2.9	D[2]	2.5	
TOTAL SVOCs	-	-	12.69	D[2]	1.916		2.82		ND		6.544		0.166		20.46	D[2]	15.267	

Notes:

1. Discrete soil analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCOs.

2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are shaded.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram.
6. "-" = Criteria not available.

Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

J = Estimated value; analyte was detected between the RL and MDL.

D^{10} = Sample diluted; Dilution factor 10

Table 5
Previous Analytical Soil Results (VOC,SVOC)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS E3, D1, D2, F, G, H)															
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**MW13A**		**MW13A**		**MW14**		**MW14**		**MW15A**		**MW15A**		**MW16**		**MW16**	
Sample ID			**MW13A (0.5-2)**		**MW13A (5-7)**		**MW14 (3-4)**		**MW14 (6-8)**		**MW15A (0.5-2)**		**MW15A (6-8)**		**MW16 (0.5-2)**		**MW16 (8.5-9.5)**	
Lab Sample ID			**0306116-07**		**0306116-08**		**0306117-13**		**0306117-14**		**0306117-19**		**0306117-20**		**0306118-01**		**0306118-02**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**	
Sampling Depth (feet)			**0.5-2**		**5-7**		**3-4**		**6-8**		**0.5-2**		**6-8**		**0.5-2**		**8.5-9.5**	
VOC (mg/kg)																		
1,2,4-Trimethylbenzene	52	3.6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,3,5-Trimethylbenzene	52	8.4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
4-Isopropyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Acetone	100	0.05	0.005	U	0.005	U	0.049		0.005	U	0.005	U	0.005	U	0.005	U	**0.055**	
Benzene	4.8	0.06	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	49	0.37	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
m+p Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Naphthalene	-	12	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
o-Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
p-Diethylbenzene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
p-Ethyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	21	0.47	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl Chloride	0.9	0.02	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Total Xylenes	100	0.26	ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs	-	-	ND		ND		0.049		ND		ND		ND		ND		0.055	
SVOC (mg/kg)																		
1,2-Dichlorobenzene	100	1.1	0.2	U,D[5]	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
1,4-Dichlorobenzene	-	-	0.2	U,D[5]	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
2,4-Dimethylphenol	-	-	0.2	U,D[5]	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
2-Methylnaphthalene	-	-	0.2	U,D[5]	0.064		0.04	U	0.04	U	0.22	D[2]	0.095	D[2]	0.04	U	0.08	U,D[2]
2-Methylphenol	100	0.33	0.2	U,D[5]	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
3+4-Methylphenol	100	0.33	0.2	U,D[5]	0.04	U	0.04	U	0.042		0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
Acenaphthene	100	20	0.22	D[5]	0.53		0.04	U	0.04	U	0.55	D[2]	0.57	D[2]	0.093		0.08	U,D[2]
Acenaphthylene	100	100	0.2	U,D[5]	0.12		0.04	U	0.04	U	0.2	D[2]	0.3	D[2]	0.055		0.08	U,D[2]
Anthracene	100	100	0.35	D[5]	1.6		0.089		0.046		1.4	D[2]	1.6	D[2]	0.26		0.08	U,D[2]
Benzo(a)anthracene	1	1	0.81	D[5]	**4.1**	D[10]	0.37		0.31		**2.7**	D[2]	**4.6**	D[2]	**1.3**		0.08	U,D[2]
Benzo(a)pyrene	1	1	0.82	D[5]	**3.6**	D[10]	0.34		0.31		**2.2**	D[2]	**3.8**	D[2]	**1.6**		0.08	U,D[2]
Benzo(b)fluoranthene	1	1	**1.1**	D[5]	**4.3**	D[10]	0.42		0.43		**2.8**	D[2]	**4.2**	D[2]	**2.2**		0.08	U,D[2]
Benzo(g,h,i)perylene	100	100	0.57	D[5]	2		0.19		0.2		1.3	D[2]	2.2	D[2]	1.4		0.08	U,D[2]
Benzo(k)fluoranthene	3.9	0.8	0.25	D[5]	**1.7**		0.14		0.13		0.72	D[2]	**1.8**	D[2]	0.64		0.08	U,D[2]
Benzoic Acid	-	-	0.2	U,D[5]	0.12		0.04	U	0.16		0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
Benzyl Alcohol	-	-	0.2	U,D[5]	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
Bis(2-ethylhexyl)Phthalate	-	-	0.2	U,D[5]	0.043		0.04	U	0.04	U	1.1	D[2]	0.08	U,D[2]	0.11		0.08	U,D[2]
Carbazole	-	-	0.2	U,D[5]	0.48		0.04	U	0.04	U	0.18	D[2]	0.33	D[2]	0.091		0.08	U,D[2]
Chrysene	3.9	1	0.92	D[5]	**4**	D[10]	0.47		0.41		**2.7**	D[2]	**4.7**	D[2]	**1.5**		0.082	D[2]
Dibenzo(a,h)anthracene	0.33	0.33	0.2	U,D[5]	**0.58**		0.05		0.056		**0.37**	D[2]	**0.62**	D[2]	0.33		0.08	U,D[2]
Dibenzofuran	-	-	0.2	U,D[5]	0.4		0.04	U	0.04	U	0.3	D[2]	0.29	D[2]	0.04	U	0.08	U,D[2]
Diethyl Phthalate	-	-	0.2	U,D[5]	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
Di-n-butyl Phthalate	-	-	0.2	U,D[5]	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
Fluoranthene	100	100	1.8	D[5]	8.4	D[10]	0.89		0.71		5.3	D[10]	8.5	D[10]	2		0.2	D[2]
Fluorene	100	30	0.28	D[5]	0.63		0.04	U	0.04	U	0.46	D[2]	0.46	D[2]	0.07		0.08	U,D[2]
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**0.59**	D[5]	**2.2**		0.2		0.21		**1.3**	D[2]	**2.2**	D[2]	**1.3**		0.08	U,D[2]
Isophorone	-	-	0.2	U,D[5]	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
Naphthalene	100	12	0.2	U,D[5]	0.11		0.04	U	0.04	U	0.2	D[2]	0.19	D[2]	0.04	U	0.08	U,D[2]
Phenanthrene	100	100	1.8	D[5]	4.8	D[10]	0.5		0.34		2.7	D[2]	4.7	D[2]	1.2		0.17	D[2]
Phenol	100	0.33	0.2	U,D[5]	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.08	U,D[2]
Pyrene	100	100	1.7	D[5]	7.1	D[10]	0.82		0.77		5.6	D[10]	8.4	D[10]	2.1		0.2	D[2]
TOTAL SVOCs	-	-	11.21	D[5]	46.877		4.479		4.124		32.3		49.555		16.249		0.652	D[2]

Notes:

1. Discrete soil analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCOs.

2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are shaded.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram.
6. "-" = Criteria not available.

Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

J = Estimated value; analyte was detected between the RL and MDL.

D^{10} = Sample diluted; Dilution factor 10

Table 5
Previous Analytical Soil Results (VOC,SVOC)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS A, B, C, E2)																																	
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B6**		**B6**		**B7**		**B7R2**		**B8**		**B8**		**B9**		**B9**		**B10**		**B10**		**B11**		**B11**		**MW6**		**MW6**		**MW7**		**MW7**	
Sample ID			**B6 (0.5-2)**		**B6 (6-7)**		**B7 (9.5-10)**		**B7R2 (5.5-6)**		**B8 (0.5-2)**		**B8 [8'-10']**		**B9 [1.2-2.5]**		**B9 (5-6)**		**B10 (5-7)**		**B10 (9-10)**		**B11 (1-3)**		**B11 (7-9)**		**MW6 (0.5-2)**		**MW6 (6-7)**		**MW7 (6.5-7.5)**		**MW7 (10-11)**	
Lab Sample ID			**0306116-10**		**0306116-11**		**0306117-06**		**0306116-9**		**0306116-18**		**0306116-19**		**0306116-16**		**0306116-17**		**0306117-02**		**0306117-03**		**0306117-09**		**0306117-10**		**0306116-12**		**0306116-13**		**0306117-08**		**0306117-07**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**	
Sampling Depth (feet)			**0.5-2**		**6-7**		**9.5-10**		**5.5-6**		**0.5-2**		**8-10**		**1.2-2.5**		**5-6**		**5-7**		**9-10**		**1-3**		**7-9**		**0.5-2**		**6-7**		**6.5-7.5**		**10-11**	
VOC (mg/kg)																																				
1,2,4-Trimethylbenzene	52	3.6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.003	J	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,3,5-Trimethylbenzene	52	8.4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.004	J	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
4-Isopropyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.01		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Acetone	100	0.05	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.064**	
Benzene	4.8	0.06	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.002	J	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	49	0.37	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0062		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
m+p Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.01	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	J	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Naphthalene	-	12	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.11		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
o-Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.003	J	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
p-Diethylbenzene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.011		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
p-Ethyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0068		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	21	0.47	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl Chloride	0.9	0.02	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Total Xylenes	100	0.26	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.003		ND		ND		ND		ND		ND		ND	
TOTAL VOCs	-	-	ND		ND		ND		ND		ND		0.0062		0.002		ND		ND		ND		0.1478		ND		ND		ND		ND		0.064	
SVOC (mg/kg)																																				
1,2-Dichlorobenzene	100	1.1	0.04	U	0.04	U	NA		0.12	U,D^3	0.04	U	0.2	U	0.2	U,D^5	0.08	U,D^2	0.4	U,D^{10}	0.04	U	0.32	U	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.04	U
1,4-Dichlorobenzene	-	-	0.04	U	0.04	U	NA		0.12	U,D^3	0.04	U	0.2	U	0.2	U,D^5	0.08	U,D^2	0.4	U,D^{10}	0.04	U	0.32	U	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.04	U
2,4-Dimethylphenol	-	-	0.04	U	0.04	U	NA		0.12	U,D^3	0.04	U	0.2	U,D^5	0.2	U,D^5	0.08	U,D^2	0.69	D^{10}	0.04	U	0.32	U	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.04	U
2-Methylnaphthalene	-	-	0.17		0.04	U	NA		0.23	D^3	0.1		0.47	D^5	0.3	D^5	0.44	D^2	56	D^{500}	0.04	U	1.5		0.041		0.24	D^5	0.082		0.68	D^2	0.04	U
2-Methylphenol	100	0.33	0.04	U	0.04	U	NA		0.12	U,D^3	0.04	U	0.2	U,D^5	0.2	U,D^5	0.08	U,D^2	0.4	U,D^{10}	0.04	U	0.32	U	0.04	U	0.2	U,D^5	0.04	U	0.087	D^2	0.04	U
3+4-Methylphenol	100	0.33	0.055		0.04	U	NA		0.12	U,D^3	0.04	U	0.2	U,D^5	0.2	U,D^5	0.08	U,D^2	**1.1**	D^{10}	0.04	U	0.32	U,D^8	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.062	
Acenaphthene	100	20	0.32		0.2		NA		0.33	D^3	0.04	U	3.6	D^5	0.2	U,D^5	0.08	U,D^2	**94**	D^{500}	0.04	U	4	D^8	0.11		1.4	D^5	0.42		1.4	D^2	0.04	U
Acenaphthylene	100	100	0.11		0.04	U	NA		0.12	U,D^3	0.053		0.87	D^5	0.2	U,D^5	0.18	D^2	42	D^{500}	0.04	U	0.58	D^8	0.04	U	0.2	U,D^5	0.04	U	0.48	D^2	0.04	U
Anthracene	100	100	0.67		0.38		NA		0.87	D^3	0.091		7.5	D^5	0.33	D^5	0.26	D^2	**240**	D^{500}	0.047		13	D^8	0.31		1.6	D^5	0.79		3.8	D^2	0.04	U
Benzo(a)anthracene	1	1	**1.3**		0.73		NA		**1.5**	D^3	0.47		**18**	D^{50}	0.92	D^5	0.08	U,D^2	**290**	D^{500}	0.06		**36**	D^{80}	0.64		**4.9**	D^5	0.97		**8.4**	D^{20}	0.04	U
Benzo(a)pyrene	1	1	1		0.61		NA		**1.3**	D^3	0.48		**1.2**	D^5	0.98	D^5	**1.7**	D^2	**240**	D^{500}	0.049		**32**	D^{80}	0.59		**4**	D^5	0.73		**7.4**	D^{20}	0.04	U
Benzo(b)fluoranthene	1	1	**1.3**		0.72		NA		**1.5**	D^3	0.66		**18**	D^{50}	**1.3**	D^5	**1.7**	D^2	**280**	D^{500}	0.06		**39**	D^{80}	0.67		**4.8**	D^5	0.86		**8.6**	D^{20}	0.04	U
Benzo(g,h,i)perylene	100	100	0.55		0.29		NA		0.66	D^3	0.54		6.7	D^5	1.3	D^5	2.3	D^2	**130**	D^{500}	0.04	U	17	D^8	0.33		2.5	D^5	0.36		3.9	D^2	0.04	U
Benzo(k)fluoranthene	3.9	0.8	0.41		0.21		NA		0.54	D^3	0.2		**4.4**	D^5	0.37	D^5	**1.3**	D^2	**82**	D^{500}	0.04	U	**11**	D^8	0.27		**1.8**	D^5	0.26		**2.5**	D^2	0.04	U
Benzoic Acid	-	-	0.04	U	0.14		NA		0.12	U,D^4	0.04	U	0.2	U,D^5	0.2	U,D^5	0.64	D^2	0.4	U,D^{10}	0.095		0.32	U,D^8	0.24		0.2	U,D^5	0.15		0.08	U,D^2	0.04	U
Benzyl Alcohol	-	-	0.04	U	0.04	U	NA		0.12	U,D^3	0.04	U	0.2	U,D^5	0.2	U,D^5	0.33	D^2	0.4	U,D^{10}	0.04	U	0.32	U,D^8	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.04	U
Bis(2-ethylhexyl)Phthalate	-	-	0.081		0.04	U	NA		0.26	D^3	0.13		0.2	U,D^5	0.2	U,D^5	0.08	U,D^2	0.4	U,D^{10}	0.04	U	0.32	U,D^8	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.04	U
Carbazole	-	-	0.29		0.13		NA		0.4	D^3	0.04	U	2.2	D^5	0.2	U,D^5	0.08	U,D^2	64	D^{500}	0.04	U	4.9	D^8	0.12		0.62	D^5	0.31		1.9	D^{20}	0.04	U
Chrysene	3.9	1	**1.3**		0.72		NA		**1.5**	D^3	0.57		**19**	D^{50}	**1.2**	D^5	**1.9**	D^2	**270**	D^{500}	0.064		**37**	D^{80}	0.67		**4.8**	D^5	0.87		**8.1**	D^{20}	0.047	
Dibenzo(a,h)anthracene	0.33	0.33	0.18		0.099		NA		0.26	D^3	0.11		**2**	D^5	0.25	D^5	**0.36**	D^2	**31**	D^{500}	0.04	U	**5.5**	D^8	0.1		**0.6**	D^5	0.11		**1**	D^2	0.04	U
Dibenzofuran	-	-	0.27		0.084		NA		0.41	D^3	0.04	U	1.9	D^5	0.2	U,D^5	0.08	U,D^2	100	D^{500}	0.04	U	4.2	D^8	0.094		0.53	D^5	0.22		1.5	D^2	0.04	U
Diethyl Phthalate	-	-	0.04	U	0.04	U	NA		0.12	U,D^3	0.04	U	0.2	U,D^5	0.2	U,D^5	0.08	U,D^2	0.4	U,D^{10}	0.04	U	0.32	U,D^8	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.04	U
Di-n-butyl Phthalate	-	-	0.04	U	0.04	U	NA		0.12	U,D^3	0.054		0.2	U,D^5	0.2	U,D^5	0.08	U,D^2	0.4	U,D^{10}	0.04	U	0.32	U,D^8	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.04	U
Fluoranthene	100	100	3.1	D^5	1.5		NA		3.2	D^3	0.71		49	D^{50}	1.8	D^5	2.9	D^2	**760**	D^{500}	0.16		69	D^{80}	1.2		11	D^5	2.1		20	D^{20}	0.072	
Fluorene	100	30	0.35		0.18		NA		0.63	D^3	0.04	U	3.5	D^5	0.2	U,D^5	0.08	U,D^2	**150**	D^{500}	0.04	U	5.5	D^8	0.14		0.91	D^5	0.42		1.8	D^2	0.04	U
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**0.61**		0.34		NA		**0.71**	D^3	0.45		**7.3**	D^5	**0.81**	D^5	**1.3**	D^2	**140**	D^{500}	0.04	U	**19**	D^8	0.34		**2.5**	D^5	0.38		**4.1**	D^2	0.04	U
Isophorone	-	-	0.04	U	0.04	U	NA		0.12	U,D^3	0.04	U	0.2	U,D^5	0.2	U,D^5	0.08	U,D^2	0.4	U,D^{10}	0.04	U	0.32	U,D^8	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.04	U
Naphthalene	100	12	0.3		0.04	U	NA		0.57	D^3	0.056		0.59	D^5	0.2	U,D^5	0.22	D^2	**100**	D^{500}	0.04	U	3.6	D^8	0.083		0.32	D^5	0.073		1.4	D^2	0.04	U
Phenanthrene	100	100	3.2	D^5	1.4		NA		4	D^3	0.44		49	D^{50}	1.6	D^5	1.7	D^2	**930**	D^{500}	0.18		52	D^{80}	1.2		11	D^5	2.6		19	D^{20}	0.059	
Phenol	100	0.33	0.04	U	0.04	U	NA		0.12	U,D^3	0.04	U	0.2	U,D^5	0.2	U,D^5	0.08	U,D^2	**0.57**	D^{10}	0.04	U	0.32	U,D^8	0.04	U	0.2	U,D^5	0.04	U	0.08	U,D^2	0.04	U
Pyrene	100	100	2.4		1.3		NA		2.9	D^3	0.8		40	D^{50}	2	D^5	2.8	D^2	**690**	D^{500}	0.15		65	D^{80}	1.1		10	D^5	1.9		17	D^{20}	0.068	
TOTAL SVOCs	-	-	17.966		9.033		NA		21.77	D^3	5.914		235.230		13.16	D^5	20.03	D^2	4,691.36		0.865		419.78		8.248		63.52	D^5	13.605		114.747		0.308	

Notes:

1. Discrete soil analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCOs.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are shaded.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram.
6. "-" = Criteria not available.

Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

J = Estimated value; analyte was detected between the RL and MDL.

D^{10} = Sample diluted; Dilution factor 10

Table 5
Previous Analytical Soil Results (VOC,SVOC)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS A, B, C, E2)																							
Location	**NYSDEC Part 375**	**NYSDEC Part 375**	**MW8**		**MW8**		**MW9**		**MW9**		**MW11**		**MW11**		**Field Blank**		**Field Blank**		**Field Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**	
Sample ID	**Restricted**	**Unrestricted Use**	**MW8 (2-4)**		**MW8 (5-6.5)**		**MW9 (1.5-3.5)**		**MW9 (5-6)**		**MW11 (0.5-2)**		**MW11 (7-9)**		**Field Blank #1**		**Field Blank #2**		**Field Blank #3**		**Trip Blank #1**		**Trip Blank #2**		**Trip Blank #3**	
Lab Sample ID	**Residential Use SCO**	**SCO**	**0306116-14**		**0306116-15**		**0306117-04**		**0306117-05**		**0306117-11**		**0306117-12**		**0306118-04**		**0306118-05**		**0306118-06**		**0306118-03**		**0306118-07**		**0306118-08**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**	
Sampling Depth (feet)			**2-4**		**5-6.5**		**1.5-3.5**		**5-6**		**0.5-2**		**7-9**		**NA**		**NA**		**NA**		**NA**		**NA**		**NA**	
VOC (mg/kg)																										
1,2,4-Trimethylbenzene	52	3.6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
1,3,5-Trimethylbenzene	52	8.4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
4-Isopropyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Acetone	100	0.05	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Benzene	4.8	0.06	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Chloroform	49	0.37	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
m+p Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Naphthalene	-	12	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
o-Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
p-Diethylbenzene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
p-Ethyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Trichloroethene	21	0.47	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Vinyl Chloride	0.9	0.02	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Total Xylenes	100	0.26	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
TOTAL VOCs	-	-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
SVOC (mg/kg)																										
1,2-Dichlorobenzene	100	1.1	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
1,4-Dichlorobenzene	-	-	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
2,4-Dimethylphenol	-	-	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
2-Methylnaphthalene	-	-	0.34		0.04	U	0.1		0.08	U,D[2]	0.12	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
2-Methylphenol	100	0.33	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
3+4-Methylphenol	100	0.33	0.04	U	0.04	U	0.054		0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Acenaphthene	100	20	0.058		0.04	U	0.18		0.08	U,D[2]	0.45	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Acenaphthylene	100	100	0.04	U	0.04	U	0.089		0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Anthracene	100	100	0.11		0.04	U	0.58		0.08	U,D[2]	1.1	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Benzo(a)anthracene	1	1	0.34		0.094		**1.3**		0.36	D[2]	**2.2**	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Benzo(a)pyrene	1	1	0.28		0.088		**1.1**		0.4	D[2]	**1.9**	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Benzo(b)fluoranthene	1	1	0.4		0.11		**1.4**		0.52	D[2]	**2.3**	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Benzo(g,h,i)perylene	100	100	0.24		0.05		0.74		0.3	D[2]	1.3	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Benzo(k)fluoranthene	3.9	0.8	0.13		0.04	U	0.52		0.15	D[2]	**0.85**	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Benzoic Acid	-	-	0.04	U	0.04	U	0.11		0.098	D[2]	0.08	U,D[2]	0.12		0.005	U	0.005	U	0.005	U	NA		NA		NA	
Benzyl Alcohol	-	-	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Bis(2-ethylhexyl)Phthalate	-	-	0.09		0.04	U	0.091		0.084	D[2]	0.13	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Carbazole	-	-	0.067		0.04	U	0.17		0.08	U,D[2]	0.47	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Chrysene	3.9	1	0.43		0.097		**1.3**		0.45	D[2]	**2.4**	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Dibenzo(a,h)anthracene	0.33	0.33	0.067		0.04	U	0.19		0.082	D[2]	0.32	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Dibenzofuran	-	-	0.065		0.04	U	0.13		0.08	U,D[2]	0.24	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Diethyl Phthalate	-	-	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Di-n-butyl Phthalate	-	-	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Fluoranthene	100	100	0.72		0.17		3.1	D[5]	0.65	D[2]	6.4	D[10]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Fluorene	100	30	0.13		0.04	U	0.23		0.08	U,D[2]	0.43	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Indeno(1,2,3-c,d)pyrene	0.5	0.5	0.22		0.055		**0.77**		0.28	D[2]	**1.3**	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Isophorone	-	-	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Naphthalene	100	12	0.23		0.04	U	0.15		0.08	U,D[2]	0.1	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Phenanthrene	100	100	0.81		0.11		2.3		0.35	D[2]	6.6	D[10]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Phenol	100	0.33	0.04	U	0.04	U	0.04	U	0.08	U,D[2]	0.08	U,D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
Pyrene	100	100	0.63		0.15		2.6		0.64	D[2]	5.1	D[2]	0.04	U	0.005	U	0.005	U	0.005	U	NA		NA		NA	
TOTAL SVOCs	-	-	5.357		0.924		17.204		4.364	D[2]	33.71		0.12		ND		ND		ND		0		NA		NA	

Notes:

1. Discrete soil analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCOs.

2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are shaded.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram.
6. "-" = Criteria not available.

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination
J = Estimated value; analyte was detected between the RL and MDL.
D^{10} = sample diluted; dilution factor 10

Table 5
Previous Analytical Soil Results (VOC,SVOC)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			OFF-SITE							
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B13**		**B13**		**MW12A**		**MW12A**	
Sample ID			**B13 (0.5-2)**		**B13 (5-7)**		**MW-12A (0.5-2)**		**MW12A (4.5-5.5)**	
Lab Sample ID			**0306116-03**		**0306116-04**		**0306116-05**		**0306116-06**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/25/2003**	
Sampling Depth (feet)			**0.5-2**		**5-7**		**0.5-2**		**4.5-5.5**	
VOC (mg/kg)										
1,2,4-Trimethylbenzene	52	3.6	0.005	U	0.005	U	0.005	U	0.005	U
1,3,5-Trimethylbenzene	52	8.4	0.005	U	0.005	U	0.005	U	0.005	U
4-Isopropyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U
Acetone	100	0.05	0.005	U	0.005	U	0.005	U	0.005	U
Benzene	4.8	0.06	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	49	0.37	0.005	U	0.005	U	0.005	U	0.005	U
m+p Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U
Naphthalene	-	12	0.005	U	0.005	U	0.005	U	0.005	U
o-Xylene	-	-	0.005	U	0.005	U	0.005	U	0.005	U
p-Diethylbenzene	-	-	0.005	U	0.005	U	0.005	U	0.005	U
p-Ethyltoluene	-	-	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	21	0.47	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl Chloride	0.9	0.02	0.005	U	0.005	U	0.005	U	0.005	U
Total Xylenes	100	0.26	ND		ND		ND		ND	
TOTAL VOCs	-	-	ND		ND		ND		ND	
SVOC (mg/kg)										
1,2-Dichlorobenzene	100	1.1	0.04	U	0.04	U	0.08	U,D^2	0.04	U
1,4-Dichlorobenzene	-	-	0.04	U	0.04	U	0.08	U,D^2	0.04	U
2,4-Dimethylphenol	-	-	0.04	U	0.04	U	0.08	U,D^2	0.04	U
2-Methylnaphthalene	-	-	0.04	U	0.04	U	0.08	U,D^2	0.04	U
2-Methylphenol	100	0.33	0.04	U	0.04	U	0.08	U,D^2	0.04	U
3+4-Methylphenol	100	0.33	0.04	U	0.04	U	0.08	U,D^2	0.04	U
Acenaphthene	100	20	0.04	U	0.04	U	0.07	J,D^2	0.04	U
Acenaphthylene	100	100	0.04	U	0.04	U	0.06	JD^2	0.04	U
Anthracene	100	100	0.046		0.067		0.3	D^2	0.055	
Benzo(a)anthracene	1	1	0.54		0.23		0.57	D^2	0.15	
Benzo(a)pyrene	1	1	0.89		0.22		0.52	D^2	0.17	
Benzo(b)fluoranthene	1	1	**1.5**		0.24		0.57	D^2	0.21	
Benzo(g,h,i)perylene	100	100	1		0.13		0.33	D^2	0.11	
Benzo(k)fluoranthene	3.9	0.8	0.41		0.1		0.23	D^2	0.062	
Benzoic Acid	-	-	0.04	U	0.099		0.08	U,D^2	0.04	U
Benzyl Alcohol	-	-	0.04	U	0.04	U	0.08	U,D^2	0.04	U
Bis(2-ethylhexyl)Phthalate	-	-	0.072		0.04	U	0.08	U,D^2	0.04	U
Carbazole	-	-	0.04	U	0.04	U	0.08	U,D^2	0.04	U
Chrysene	3.9	1	0.76		0.24		0.54	D^2	0.16	
Dibenzo(a,h)anthracene	0.33	0.33	0.24		0.04	U	0.08	J,D^2	0.04	U
Dibenzofuran	-	-	0.04	U	0.04	U	0.06	J,D^2	0.04	U
Diethyl Phthalate	-	-	0.04	U	0.04	U	0.08	U,D^2	0.04	U
Di-n-butyl Phthalate	-	-	0.04	U	0.04	U	0.08	U,D^2	0.04	U
Fluoranthene	100	100	0.54		0.44		1.4	D^2	0.31	
Fluorene	100	30	0.04	U	0.04	U	0.11	D^2	0.04	U
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**0.92**		0.14		0.35	D^2	0.12	
Isophorone	-	-	0.04	U	0.04	U	0.08	U,D^2	0.04	U
Naphthalene	100	12	0.04	U	0.04	U	0.08	U,D^2	0.04	U
Phenanthrene	100	100	0.25		0.33		1.1	D^2	0.22	
Phenol	100	0.33	0.04	U	0.04	U	0.08	U,D^2	0.04	U
Pyrene	100	100	0.58		0.41		1.1	D^2	0.31	
TOTAL SVOCs	-	-	7.748		2.646		7.39	D^2	1.877	

Notes:

1. Discrete soil analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Restricted-Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCOs.

2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are shaded.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram.
6. "-" = Criteria not available.

Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

J = Estimated value; analyte was detected between the RL and MDL.

D^{10} = sample diluted; dilution factor 10

Table 6
Previous Analytical Soil Results (PCB, Pesticides, Metals)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS E3, D1, D2, F, G, H)															
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B12**		**B12**		**B14**		**B14**		**B15**		**B15**		**MW10**		**MW10**	
Sample ID			**B12 (0.5-2)**		**B12 (5-7)**		**B14 (2-3.5)**		**B14 (6-8)**		**B15 (0.5-2)**		**B15 (8-9)**		**MW10 (0.5-2)**		**MW10 (5-7)**	
Lab Sample ID			**0306116-01**		**0306116-02**		**0306117-15**		**0306117-16**		**0306117-18**		**0306117-17**		**0306116-20**		**0306117-01**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/25/2003**		**6/25/2003**	
Sampling Depth (feet)			**0.5-2**		**5-7**		**2-3.5**		**6-8**		**0.5-2**		**8-9**		**0.5-2**		**5-7**	
PCB (mg/kg)																		
Aroclor-1254	-	-	0.43		0.16		0.08	U	0.08	U	0.06	J	0.08	U	0.08	U	0.08	U
Aroclor-1260	-	-	0.85		0.3		0.08	U	0.08	U	0.05	J	0.08	U	0.04	J	0.08	U
TOTAL PCBs	1	0.1	**1.28**		**0.46**		ND		ND		**0.11**		ND		0.04		ND	
Pesticides (mg/kg)																		
4,4'-DDD	13	0.0033	**18**	D^{10}	**1.1**	D^{10}	0.005	U	0.005	U	0.005	U	0.005	U	**0.9**	D^{10}	0.005	U
4,4'-DDE	8.9	0.0033	**2.6**	D^{10}	**0.13**	D^{10}	0.005	U	0.005	U	0.005	U	0.005	U	**0.24**	D^{10}	0.005	U
4,4'-DDT	7.9	0.0033	**2.5**	D^{10}	**0.15**	D^{10}	0.005	U	0.005	U	0.005	U	0.005	U	**0.098**		0.005	U
Aldrin	0.097	0.005	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Beta-BHC	0.36	0.036	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlordane	4.2	0.094	0.005	U	0.033		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0075	
Endrin	11	0.014	**0.27**	D^{10}	**0.024**		0.005	U	0.005	U	0.005	U	0.005	U	0.01		0.005	U
Endrin Aldehyde	-	-	0.021		0.0086		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Heptachlor	2.1	0.042	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
TAL Metals (mg/kg)																		
Aluminum	-	-	2700		3730		2810		6140		6730		3950		2510		5330	
Antimony	-	-	1.6		0.445	U	0.47	U	0.468	U	0.479	U	0.475	U	0.498	U	0.436	U
Arsenic	16	13	9.29		3.57		3.89		2.91		10.5		2.94		4.94		5.14	
Barium	400	350	125		34.9		**518**		28.0		218		0.38	U	25.8		57.1	
Beryllium	72	7.2	0.382	U	0.356	U	0.376	U	0.375	U	4.02		0.38	U	0.398	U	0.348	U
Cadmium	4.3	2.5	1.56		0.288		1.66		0.505		0.192	U	0.19	U	0.550		0.433	
Calcium	-	-	14500		1050		23300		785		13200		588		22000		3540	
Chromium	180	30	12.1		9.48		20.2		10.2		**68.3**		6.77		10.7		10.3	
Cobalt	-	-	6.95		8.52		8.48		10.5		54.7		7.84		5.15		8.85	
Copper	270	50	**100**		13.8		**71.7**		18.7		**598**		13.8		27.0		36.6	
Iron	-	-	5800		5720		6050		6080		7940		5750		4260		5490	
Lead	400	63	**635**		35.2		**1870**		14.1		**397**		8.13		**259**		46.8	
Magnesium	-	-	451		414		377		436		416		417		437		380	
Manganese	2000	1600	198		230		145		100		246		183		106		219	
Mercury	0.81	0.18	0.09		0.05	U	**0.422**		0.05	U	0.05	U	0.05	U	0.05	U	0.094	
Nickel	310	30	12.7		9.8		5.71		17.0		**72.6**		9.51		8.64		11.3	
Potassium	-	-	686		752		1100		792		1400		484		835		761	
Selenium	180	3.9	0.34	J	0.445	U	0.47	U	0.468	U	0.479	U	0.475	U	0.47	J	0.436	U
Silver	180	2	0.382	U	0.356	U	0.456		0.375	U	0.383	U	0.38	U	0.34	J	0.348	U
Sodium	-	-	337		108		250		146		546		139		251		240	
Thallium	-	-	0.914		1.25		1.66		1.29		0.287	U	0.924		1.02		1.05	
Vanadium	-	-	15.6		10.4		10.3		14.0		21.3		10.4		19.3		14.1	
Zinc	10000	109	**238**		50.5		**586**		99.1		**1230**		29.9		**163**		98.1	

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCO.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are highlighted.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram
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Qualifiers:
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J = Estimated value; analyte was detected between the RL and MDL.
D^{10} = sample diluted; dilution factor 10

Table 6
Previous Analytical Soil Results (PCB, Pesticides, Metals)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS E3, D1, D2, F, G, H)																			
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**MW12A**		**MW12A**		**MW13A**		**MW13A**		**MW14**		**MW14**		**MW15A**		**MW15A**		**MW16**		**MW16**	
Sample ID			**MW-12A (0.5-2)**		**MW12A (4.5-5.5)**		**MW13A (0.5-2)**		**MW13A (5-7)**		**MW14 (3-4)**		**MW14 (6-8)**		**MW15A (0.5-2)**		**MW15A (6-8)**		**MW16 (0.5-2)**		**MW16 (8.5-9.5)**	
Lab Sample ID			**0306116-05**		**0306116-06**		**0306116-07**		**0306116-08**		**0306117-13**		**0306117-14**		**0306117-19**		**0306117-20**		**0306118-01**		**0306118-02**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**	
Sampling Depth (feet)			**0.5-2**		**4.5-5.5**		**0.5-2**		**5-7**		**3-4**		**6-8**		**0.5-2**		**6-8**		**0.5-2**		**8.5-9.5**	
PCB (mg/kg)																						
Aroclor-1254	-	-	0.11		0.08	U	0.08	J	0.08	U	0.08	U	0.08	U	0.05	J	0.08	U	0.08	U	0.08	U
Aroclor-1260	-	-	0.04	J	0.08	U	0.06	J	0.08	U	0.08	U	0.08	U	0.05	J	0.08	U	0.08	U	0.08	U
TOTAL PCBs	1	0.1	**0.15**		ND		**0.14**		ND		ND		ND		0.1		ND		ND		ND	
Pesticides (mg/kg)																						
4,4'-DDD	13	0.0033	0.005	U	0.005	U	0.005	U	**0.01**		0.005	U	0.005	U	**0.024**		0.005	U	0.005	U	0.005	U
4,4'-DDE	8.9	0.0033	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.017**		0.005	U	**0.014**		0.005	U
4,4'-DDT	7.9	0.0033	0.005	U	**0.004**	J	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	**0.0064**		0.005	U
Aldrin	0.097	0.005	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Beta-BHC	0.36	0.036	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlordane	4.2	0.094	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0079		0.005	U
Endrin	11	0.014	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Endrin Aldehyde	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Heptachlor	2.1	0.042	0.005	U	0.005	U	0.005	U	0.004	J	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
TAL Metals (mg/kg)																						
Aluminum	-	-	4190		3300		4050		4650		6160		5360		2670		2620		5390		1450	
Antimony	-	-	0.424	U	0.458	U	0.446	U	0.439	U	0.443	U	0.436	U	0.451	U	0.46	U	0.477	U	0.463	U
Arsenic	16	13	2.37		1.79		3.62		3.62		**39**		3.63		6.54		8.55		6.6		2.08	
Barium	400	350	34.6		37.4		62.1		87.2		33.8		23.5		111		46.2		136		18.7	
Beryllium	72	7.2	0.339	U	0.366	U	0.357	U	0.351	U	0.355	U	0.348	U	0.361	U	0.368	U	1.84		0.37	U
Cadmium	4.3	2.5	0.196		0.183	U	0.10	J	0.17	J	0.177	U	0.174	U	0.198		0.12	J	0.13	J	0.185	U
Calcium	-	-	3470		2110		19100		4270		674		914		23400		2340		6850		2020	
Chromium	180	30	11.6		11.6		9.48		12.5		10.2		8.81		6.32		6.86		**49.3**		2.36	
Cobalt	-	-	8.50		6.76		7.46		8.26		13.4		9.13		6.70		10.7		34.2		13.0	
Copper	270	50	**67.7**		16.5		32.2		28.6		12.6		9.57		39.1		28.6		**351**		**87.1**	
Iron	-	-	5490		4580		4940		5780		6270		5780		5330		6290		7660		6660	
Lead	400	63	35.3		27.2		**92**		**73.8**		21.7		14.8		**178**		**178**		**255**		25.4	
Magnesium	-	-	412		445		421		406		425		405		408		415		381		221	
Manganese	2000	1600	210		174		191		217		181		238		139		147		176		310	
Mercury	0.81	0.18	0.052		0.05	U	0.1		0.156		0.056		0.068		0.05	U	**0.846**		0.131		0.05	U
Nickel	310	30	15.5		23.3		8.14		10.6		13.8		9.25		6.64		14.1		**45.6**		7.59	
Potassium	-	-	1010		1020		1070		1110		975		563		943		534		903		166	
Selenium	180	3.9	0.424	U	0.458	U	0.496		0.439	U	0.443	U	0.436	U	0.451	U	0.46	U	0.477	U	0.463	U
Silver	180	2	0.339	U	0.26	J	0.357	U	0.351	U	0.355	U	0.348	U	0.361	U	0.368	U	0.382	U	0.37	U
Sodium	-	-	135		143		129		165		134		117		347		202		498		179	
Thallium	-	-	1.46		1.83		1.84		2.15		1.67		1.59		1.77		1.17		0.750		0.278	U
Vanadium	-	-	17.1		14.0		16.8		17.1		16.2		14.1		10.3		10.7		18.6		6.74	
Zinc	10000	109	75.1		39.9		**117**		**112**		62.0		31.7		**121**		71.6		**1100**		29.2	

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCO.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are highlighted.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram
6. "-" = Criteria not available

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
J = Estimated value; analyte was detected between the RL and MDL.
D^{10} = sample diluted; dilution factor 10

Table 6
Previous Analytical Soil Results (PCB, Pesticides, Metals)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS A, B, C, E2)																																	
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B6**		**B6**		**B7**		**B7R2**		**B8**		**B8**		**B9**		**B9**		**B10**		**B10**		**B11**		**B11**		**MW6**		**MW6**		**MW7**		**MW7**	
Sample ID			**B6 (0.5-2)**		**B6 (6-7)**		**B7 (9.5-10)**		**B7R2 (5.5-6)**		**B8 (0.5-2)**		**B8 [8'-10']**		**B9 [1.2-2.5]**		**B9 (5-6)**		**B10 (5-7)**		**B10 (9-10)**		**B11 (1-3)**		**B11 (7-9)**		**MW6 (0.5-2)**		**MW6 (6-7)**		**MW7 (6.5-7.5)**		**MW7 (10-11)**	
Lab Sample ID			**0306116-10**		**0306116-11**		**0306117-06**		**0306116-9**		**0306116-18**		**0306116-19**		**0306116-16**		**0306116-17**		**0306117-02**		**0306117-03**		**0306117-09**		**0306117-10**		**0306116-12**		**0306116-13**		**0306117-08**		**0306117-07**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**	
Sampling Depth (feet)			**0.5-2**		**6-7**		**9.5-10**		**5.5-6**		**0.5-2**		**8-10**		**1.2-2.5**		**5-6**		**5-7**		**9-10**		**1-3**		**7-9**		**0.5-2**		**6-7**		**6.5-7.5**		**10-11**	
PCB (mg/kg)																																				
Aroclor-1254	-	-	0.08	U	0.08	U	NA		0.08	U	0.08	U	0.08	U	0.13		0.12		0.15		0.08	U	0.48		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
Aroclor-1260	-	-	0.06	J	0.08	U	NA		0.08	U	0.08	U	0.06	J	0.1		0.08	J	0.16		0.08	U	0.16		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
TOTAL PCBs	1	0.1	0.06		ND		NA		ND		ND		0.06		**0.23**		**0.2**		**0.31**		ND		**0.64**		ND		ND		ND		ND		ND	
Pesticides (mg/kg)																																				
4,4'-DDD	13	0.0033	0.005	U	0.005	U	NA		0.005	U	0.005	U	**0.027**		**0.01**		**0.0077**		**0.025**		0.005	U	**0.15**		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
4,4'-DDE	8.9	0.0033	0.005	U	0.005	U	NA		0.005	U	0.005	U	**0.011**		0.005	U	0.005	U	**0.027**		0.005	U	**0.14**		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
4,4'-DDT	7.9	0.0033	0.005	U	0.005	U	NA		0.005	U	0.005	U	**0.017**		0.005	U	**0.0093**		**0.032**		0.005	U	**0.029**		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Aldrin	0.097	0.005	0.005	U	0.005	U	NA		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Beta-BHC	0.36	0.036	0.005	U	0.005	U	NA		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	J
Chlordane	4.2	0.094	0.005	U	0.005	U	NA		0.005	U	0.005	U	0.023		0.005	U	0.0096		0.067		0.005	U	**0.16**		0.005	U	0.042		0.005	U	0.005	U	0.005	U
Endrin	11	0.014	0.005	U	0.005	U	NA		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Endrin Aldehyde	-	-	0.005	U	0.005	U	NA		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Heptachlor	2.1	0.042	0.005	U	0.005	U	NA		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.008		0.005	U
TAL Metals (mg/kg)																																				
Aluminum	-	-	2300		4530		NA		3670		6670		3170		2250		260		2890		4230		2840		4020		3590		1860		2060		3660	
Antimony	-	-	0.45	U	0.45	U	NA		2.63		0.552		0.49	U	2		0.472	U	0.445	U	0.456	U	3.67		0.421	U	0.483	U	0.479	U	0.443	U	0.421	U
Arsenic	16	13	5.1		1.93		NA		2.55		10.6		7.46		**27.3**		**13.7**		9.33		3.18		6.63		2.36		5.08		1.53		4.56		3.25	
Barium	400	350	317		31.6		NA		28.4		**456**		127		167		126		141		39.5		153		40.2		70.2		30.0		42.9		70.9	
Beryllium	72	7.2	0.36	U	0.36	U	NA		0.379	U	0.36	U	0.392	U	0.388	U	0.377	U	0.356	U	0.365	U	0.352	U	0.337	U	0.386	U	0.383	U	0.355	U	0.337	U
Cadmium	4.3	2.5	0.294		0.18	U	NA		0.189	U	0.18	U	**101**		**8.14**		**3.63**		**4.06**		0.182	U	**3.46**		1.72		0.193	U	0.192	U	0.199		0.168	U
Calcium	-	-	27400		1970		NA		21300		11400		4750		2480		3950		18100		5820		6840		1750		17400		716		20400		19300	
Chromium	180	30	8.44		11.4		NA		4.02		**149**		28.2		**177**		16.2		21.3		5.01		12.1		6.56		**157**		5.17		4.83		5.68	
Cobalt	-	-	4.76		13.8		NA		4.51		711		118		17.8		11.5		13.9		6.16		8.77		7.76		7.69		5.12		7.64		5.61	
Copper	270	50	**150**		12.0		NA		18.8		**1470**		**387**		**413**		**127**		**86.8**		22.5		**186**		19.9		**57.1**		20.5		26.6		**205**	
Iron	-	-	4320		6880		NA		4840		7580		7410		8330		6900		6350		3730		5340		4390		6040		4120		5060		3550	
Lead	400	63	**163**		16.9		NA		58.5		**2040**		**472**		**433**		**248**		**246**		3.12		**969**		45.1		**69.6**		**83.2**		**220**		22.4	
Magnesium	-	-	327		367		NA		448		362		413		351		393		412		233		389		384		423		361		400		357	
Manganese	2000	1600	87.3		383		NA		98.5		535		219		218		142		189		37.5		150		125		149		53.2		203		61.9	
Mercury	0.81	0.18	0.05	U	0.05	U	NA		0.05	U	0.05	U	**0.218**		0.05	U	0.05	U	**0.276**		0.05	U	0.05	U	0.067		0.05	U	0.05	U	0.05	U	0.05	U
Nickel	310	30	4.94		8.36		NA		3.46		**45.3**		14.0		**261**		**32.8**		19.1		9.59		15.4		10.9		26.1		6.23		6.58		5.25	
Potassium	-	-	565		817		NA		1240		1770		762		658		782		1110		423		765		652		690		521		1090		1180	
Selenium	180	3.9	0.549		0.45	U	NA		0.46	J	0.45	U	0.637		0.484	U	0.667		0.43	J	0.456	U	0.44	U	0.421	U	0.483	U	0.479	U	1.04		0.421	U
Silver	180	2	0.36	U	0.36	U	NA		0.379	U	0.657		0.392	U	0.388	U	0.377	U	0.26	J	0.365	U	0.26	J	0.337	U	0.386	U	0.383	U	0.355	U	0.337	U
Sodium	-	-	354		165		NA		650		1020		381		216		737		359		402		234		163		249		93.6		257		727	
Thallium	-	-	2.07		1.66		NA		1.25		0.27	U	0.403		0.291	U	0.283	U	0.869		0.994		0.870		0.817		0.847		0.963		1.35		1.75	
Vanadium	-	-	9.10		17.7		NA		6.38		34.6		13.9		37.2		11.8		14.3		11.8		16.6		11.6		20.8		8.20		12.5		9.89	
Zinc	10000	109	84.5		34.3		NA		32.1		**1260**		**1280**		**406**		**273**		**288**		8.2		**297**		**269**		41.7		42.9		59.9		24.7	

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCO.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are highlighted.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram
6. "-" = Criteria not available

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
J = Estimated value; analyte was detected between the RL and MDL.
D^{10} = sample diluted; dilution factor 10

Table 6
Previous Analytical Soil Results (PCB, Pesticides, Metals)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			ON-SITE (PARCELS A, B, C, E2)																											
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**MW8**		**MW8**		**MW9**		**MW9**		**MW10**		**MW10**		**MW11**		**MW11**		**Field Blank**		**Field Blank**		**Field Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**	
Sample ID			**MW8 (2-4)**		**MW8 (5-6.5)**		**MW9 (1.5-3.5)**		**MW9 (5-6)**		**MW10 (0.5-2)**		**MW10 (5-7)**		**MW11 (0.5-2)**		**MW11 (7-9)**		**Field Blank #1**		**Field Blank #2**		**Field Blank #3**		**Trip Blank #1**		**Trip Blank #2**		**Trip Blank #3**	
Lab Sample ID			**0306116-14**		**0306116-15**		**0306117-04**		**0306117-05**		**0306116-20**		**0306117-01**		**0306117-11**		**0306117-12**		**0306118-04**		**0306118-05**		**0306118-06**		**0306118-03**		**0306118-07**		**0306118-08**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**		**6/25/2003**		**6/25/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**		**6/26/2003**	
Sampling Depth (feet)			**2-4**		**5-6.5**		**1.5-3.5**		**5-6**		**0.5-2**		**5-7**		**0.5-2**		**7-9**		**NA**		**NA**		**NA**		**NA**		**NA**		**NA**	
PCB (mg/kg)																														
Aroclor-1254	-	-	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.001	U	0.001	U	0.001	U	NA		NA		NA	
Aroclor-1260	-	-	0.04	J	0.08	U	0.08	U	0.04	J	0.04	J	0.08	U	0.05	J	0.08	U	0.001	U	0.001	U	0.001	U	NA		NA		NA	
TOTAL PCBs	1	0.1	0.04		ND		ND		0.04		0.04		ND		0.05		ND		ND		ND		ND		NA		NA		NA	
Pesticides (mg/kg)																														
4,4'-DDD	13	0.0033	**0.0062**		0.005	U	0.005	U	0.005	U	**0.9**	D^{10}	0.005	U	0.005	U	0.005	U	0.0001	U	0.0001	U	0.0001	U	NA		NA		NA	
4,4'-DDE	8.9	0.0033	0.005	U	0.005	U	0.005	U	0.005	U	**0.24**	D^{10}	0.005	U	**0.013**		0.005	U	0.0001	U	0.0001	U	0.0001	U	NA		NA		NA	
4,4'-DDT	7.9	0.0033	0.003	J	0.005	U	0.005	U	0.005	U	**0.098**		0.005	U	**0.019**		0.005	U	0.0001	U	0.0001	U	0.0001	U	NA		NA		NA	
Aldrin	0.097	0.005	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0001	U	0.0001	U	0.0001	U	NA		NA		NA	
Beta-BHC	0.36	0.036	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0001	U	0.0001	U	0.0001	U	NA		NA		NA	
Chlordane	4.2	0.094	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0075		0.016		0.005	U	0.0001	U	0.0001	U	0.0001	U	NA		NA		NA	
Endrin	11	0.014	0.005	U	0.005	U	0.005	U	0.005	U	0.01		0.005	U	0.005	U	0.005	U	0.0001	U	0.0001	U	0.0001	U	NA		NA		NA	
Endrin Aldehyde	-	-	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0001	U	0.0001	U	0.0001	U	NA		NA		NA	
Heptachlor	2.1	0.042	0.005	U	0.012		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0001	U	0.0001	U	0.0001	U	NA		NA		NA	
TAL Metals (mg/kg)																														
Aluminum	-	-	1450		5800		5430		0.31		2510		5330		1930		4560		0.02	U	0.02	U	0.02	U	NA		NA		NA	
Antimony	-	-	0.455	U	0.455	U	0.49	U	0.458	U	0.498	U	0.436	U	6.12		0.463	U	0.025	U	0.025	U	0.025	U	NA		NA		NA	
Arsenic	16	13	**17.1**		3.22		**22.2**		0.458	U	4.94		5.14		9.54		3.41		0.025	U	0.025	U	0.025	U	NA		NA		NA	
Barium	400	350	66.6		59.1		162		0.407		25.8		57.1		97.4		14.8		0.02	U	0.02	U	0.02	U	NA		NA		NA	
Beryllium	72	7.2	0.364	U	0.364	U	0.392	U	0.384		0.398	U	0.348	U	0.348	U	0.37	U	0.02	U	0.02	U	0.02	U	NA		NA		NA	
Cadmium	4.3	2.5	0.765		0.182	U	2.33		0.344		0.550		0.433		0.476		0.185	U	0.01	U	0.01	U	0.01	U	NA		NA		NA	
Calcium	-	-	2670		11000		6350		0.421		22000		3540		6470		2640		0.158		0.145		0.0942		NA		NA		NA	
Chromium	180	30	22.8		10.7		16.0		0.31	J	10.7		10.3		9.01		7.00		0.02	U	0.02	U	0.02	U	NA		NA		NA	
Cobalt	-	-	14.5		7.33		12.3		0.29	J	5.15		8.85		14.4		8.01		0.02	U	0.02	U	0.02	U	NA		NA		NA	
Copper	270	50	**80.5**		30.8		**178**		0.33	J	27.0		36.6		**280**		11.9		0.02	U	0.02	U	0.02	U	NA		NA		NA	
Iron	-	-	7520		4720		6910		0.790		4260		5490		6050		5420		0.0069	J	0.0065	J	0.02	U	NA		NA		NA	
Lead	400	63	**113**		58.8		**161**		0.275	U	**259**		46.8		**1350**		8.70		0.015	U	0.015	U	0.015	U	NA		NA		NA	
Magnesium	-	-	322		425		349		0.424		437		380		285		417		0.0246		0.0280		0.0088	J	NA		NA		NA	
Manganese	2000	1600	183		69.9		149		0.373		106		219		198		209		0.02	U	0.02	U	0.02	U	NA		NA		NA	
Mercury	0.81	0.18	0.05	U	0.063		0.05	U	0.05	U	0.05	U	0.094		0.092		0.05	U	0.002	U	0.002	U	0.002	U	NA		NA		NA	
Nickel	310	30	27.5		9.40		15.5		0.28	J	8.64		11.3		13.4		7.17		0.02	U	0.02	U	0.02	U	NA		NA		NA	
Potassium	-	-	915		1130		855		4.16		835		761		651		743		0.07	U	0.07	U	0.07	U	NA		NA		NA	
Selenium	180	3.9	0.29	J	0.32	J	0.545		0.458	U	0.47	J	0.436	U	0.436	U	0.463	U	0.025	U	0.025	U	0.025	U	NA		NA		NA	
Silver	180	2	0.364	U	0.364	U	0.392	U	0.36	J	0.34	J	0.348	U	0.358		0.37	U	0.02	U	0.02	U	0.02	U	NA		NA		NA	
Sodium	-	-	152		1210		341		0.18	J	251		240		226		130		0.022	J	0.011	J	0.011	J	NA		NA		NA	
Thallium	-	-	0.279		1.51		1.71		0.522		1.02		1.05		0.529		1.75		0.015	U	0.015	U	0.015	U	NA		NA		NA	
Vanadium	-	-	8.96		15.9		18.8		0.36	J	19.3		14.1		11.7		13.1		0.02	U	0.02	U	0.02	U	NA		NA		NA	
Zinc	10000	109	99.2		35.2		**379**		0.34	J	**163**		98.1		**315**		30.4		0.0200		0.0221		0.0223		NA		NA		NA	

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCO.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are highlighted.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram
6. "-" = Criteria not available

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
J = Estimated value; analyte was detected between the RL and MDL.
D^{10} = sample diluted; dilution factor 10

Table 6
Previous Analytical Soil Results (PCB, Pesticides, Metals)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

			OFF-SITE							
Location	**NYSDEC Part 375 Restricted Residential Use SCO**	**NYSDEC Part 375 Unrestricted Use SCO**	**B13**		**B13**		**MW12A**		**MW12A**	
Sample ID			**B13 (0.5-2)**		**B13 (5-7)**		**MW-12A (0.5-2)**		**MW12A (4.5-5.5)**	
Lab Sample ID			**0306116-03**		**0306116-04**		**0306116-05**		**0306116-06**	
Sample Date			**6/25/2003**		**6/25/2003**		**6/25/2003**		**6/25/2003**	
Sampling Depth (feet)			**0.5-2**		**5-7**		**0.5-2**		**4.5-5.5**	
PCB (mg/kg)										
Aroclor-1254	-	-	0.11		0.08	U	0.11		0.08	U
Aroclor-1260	-	-	0.12		0.08	U	0.04	J	0.08	U
TOTAL PCBs	1	0.1	**0.23**		ND		**0.15**		ND	
Pesticides (mg/kg)										
4,4'-DDD	13	0.0033	0.005	U	0.005	U	0.005	U	0.005	U
4,4'-DDE	8.9	0.0033	0.005	U	0.005	U	0.005	U	0.005	U
4,4'-DDT	7.9	0.0033	**0.004**	J	0.005	U	0.005	U	**0.004**	J
Aldrin	0.097	0.005	0.005	U	0.005	U	0.005	U	0.005	U
Beta-BHC	0.36	0.036	0.005	U	0.005	U	0.005	U	0.005	U
Chlordane	4.2	0.094	0.011		0.0075		0.005	U	0.005	U
Endrin	11	0.014	0.005	U	0.005	U	0.005	U	0.005	U
Endrin Aldehyde	-	-	0.005	U	0.005	U	0.005	U	0.005	U
Heptachlor	2.1	0.042	0.005	U	0.005	U	0.005	U	0.005	U
TAL Metals (mg/kg)										
Aluminum	-	-	3930		3180		4190		3300	
Antimony	-	-	0.46	U	0.623		0.424	U	0.458	U
Arsenic	16	13	4.48		11.6		2.37		1.79	
Barium	400	350	73.4		46.4		34.6		37.4	
Beryllium	72	7.2	0.368	U	0.392	U	0.339	U	0.366	U
Cadmium	4.3	2.5	0.091	J	0.196	U	0.196		0.183	U
Calcium	-	-	17300		4930		3470		2110	
Chromium	180	30	12.7		6.99		11.6		11.6	
Cobalt	-	-	6.47		6.45		8.50		6.76	
Copper	270	50	32.1		19.7		**67.7**		16.5	
Iron	-	-	5380		6360		5490		4580	
Lead	400	63	**153**		**187**		35.3		27.2	
Magnesium	-	-	431		434		412		445	
Manganese	2000	1600	97.6		57.1		210		174	
Mercury	0.81	0.18	0.05	U	**0.633**		0.052		0.05	U
Nickel	310	30	8.27		14.3		15.5		23.3	
Potassium	-	-	834		966		1010		1020	
Selenium	180	3.9	0.46	U	0.32	J	0.424	U	0.458	U
Silver	180	2	0.368	U	0.474		0.339	U	0.26	J
Sodium	-	-	266		291		135		143	
Thallium	-	-	1.51		0.697		1.46		1.83	
Vanadium	-	-	13.3		11.0		17.1		14.0	
Zinc	10000	109	**120**		25.5		75.1		39.9	

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYCDEC) title 6 of the official compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Residential Use Soil Cleanup Objectives (SCO) and Unrestricted Use SCO.
2. Only detections are shown.
3. Results above NYSDEC Part 375 Restricted Residential Use SCO are highlighted.
4. Results above NYSDEC Part 375 Unrestricted Use SCO are bolded and in red.
5. mg/kg = milligrams per kilogram
6. "-" = Criteria not available

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
J = Estimated value; analyte was detected between the RL and MDL.
D^{10} = sample diluted; dilution factor 10

Table 7
Previous Analytical Groundwater Results (VOC,SVOC, Metals, Dissolved Metals)
AKRF Phase II ESI 2001

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

		ON-SITE (PARCELS A, C)				ON-SITE (PARCELS E3, D1, H)					
Location/Sample ID **Lab Sample ID** **Sample Date**	**NYSDEC TOGS 1.1.1 AWQS AND Guidance Values (GA)**	**MW1** **0020183** **8/16/2001**		**MW2** **0020198** **8/17/2001**		**MW3** **0020201** **8/17/2001**		**MW4** **0020204** **8/17/2001**		**MW5** **0020207** **8/17/2001**	
VOC (µg/l)											
VOC	-	ND		ND		ND		ND		ND	
SVOC (µg/l)											
Naphthalene	10	**18**		5	U	5	U	5	U	5	U
Total Metals (µg/l)											
Aluminum	-	195000		98200		41000		1128000		172000	
Antimony	3	*50*	U	**76**		*50*	U	*50*	U	*50*	U
Barium	1000	**2180**		**2740**		**1130**		**8250**		**11400**	
Calcium	-	168000		1513000		92700		296000		1163000	
Chromium	50	**906**		**517**		**86**		**3090**		**465**	
Cobalt	-	50	U	348		50	U	429		50	U
Copper	200	**858**		**3050**		**1630**		**7050**		**3610**	
Iron	300	**765000**		**643000**		**81500**		**3650000**		**727000**	
Lead	25	**355**		**5830**		**1280**		**2390**		**23600**	
Magnesium	35000	**124000**		**113000**		**93000**		**558000**		**171000**	
Manganese	300	**22400**		**10400**		**1820**		**109000**		**7610**	
Mercury	0.7	**3.5**		**11**		*2*	U	**2**		**3**	
Nickel	100	**516**		**1100**		68		**3060**		**633**	
Potassium	-	29900		36800		27100		187000		22500	
Silver	50	30	U	**134000**		30	U	30	U	30	U
Sodium	20000	**231000**		**95200**		**445000**		**20600**		**110000**	
Vanadium	-	812		812		237		3410		897	
Zinc	-	3470		6860		2110		11800		9620	
Dissolved Metals (µg/l)											
Aluminum	-	1520		1380		605		870		1600	
Barium	1000	126		48		63		54		30	U
Calcium	-	88800		346000		70300		127000		313000	
Iron	300	**1250**		**309**		196		**626**		30	U
Magnesium	35000	**43200**		**59600**		**69900**		18800		**55100**	
Manganese	300	**2530**		**1370**		**517**		**6320**		**350**	
Potassium	-	11300		19400		27300		2730		13300	
Sodium	20000	**311000**		**85100**		**474000**		14300		**96800**	
Vanadium	-	163		188		198		66		173	
Zinc	-	30	U	53		122		32		30	U

Notes:

1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for Drinking Water (class GA) .

2. Only detectections are shown.

3. NYSDEC TOGS Exceedances are shaded and bolded.

4. Reporting Limits (RL) above NYSDEC TOGS GA Standards and Guidance Values are italicized.

5. VOC = Volatile Organic Compounds
6. SVOC = Semi-volatile Organic Compounds
7. µg/l = micrograms per liter
8. "-" = Criteria not available

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL.

Table 8
Previous Analytical Groundwater Results (VOC, SVOC, PCB, Pesticides)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

		ON-SITE (PARCELS D1, F, G, H)										ON-SITE (PARCELS A, B, E2)														OFF-SITE			
Location/Sample ID	**NYSDEC TOGS 1.1.1 AWQS AND Guidance Values (GA)**	**MW10**		**MW13A**		**MW14**		**MW15A**		**MW16**		**MW6**		**MW7**		**MW8**		**MW9**		**MW11**		**TRIP BLANK**		**FIELD BLANK**		**MW12A**		**FOUND WELL**	
Lab Sample ID		**0307061-05**		**0307061-08**		**0307061-09**		**0307061-10**		**0307061-11**		**0307061-01**		**0307061-02**		**0307061-03**		**0307061-04**		**0307061-06**		**0307061-13**		**0307061-14**		**0307061-07**		**0307061-12**	
Sample Date		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**	
VOC (µg/l)																													
1,2,4-Trimethylbenzene	5	1	U	**15**		1	U	1	U	1	U	3.7		1.6		1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	1	U	**10**		1	U	1	U	1	U	2.6		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
4-Isopropyltoluene	5	1	U	**8.8**		1	U	1	U	1	U	1	U	**7.2**		1	U	1	U	1	U	1	U	1	U	1	U	1	U
Benzene	1	1	U	**1.4**		1	U	1	U	1	U	1	U	**2**		1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Disulfide	-	1	U	2.4		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	1	U	**9.7**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	1	U	1.2		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
m+p Xylene	5	2	U	**33**		2	U	2	U	2	U	4.2		2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Methyl tert-butyl ether	-	1	U	1	U	8		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Naphthalene	10	1	U	**700**	D^{10}	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
n-Propylbenzene	5	1	U	4.5		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
o-Xylene	5	1	U	**16**		1	U	1	U	1	U	1.6		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
p-Diethylbenzene	-	1	U	3.7		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	5	1	U	**6.1**		1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	**5.6**		1	U	1	U	1	U	1	U
Toluene	5	1	U	**12**	B	1	U	1	U	1	U	1	U	2.2		1	U	1	U	1	U	1	U	1	U	1	U	1	U
SVOC (µg/l)																													
2-Methylnaphthalene	-	5	U	68		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U
3+4-Methylphenol	-	5	U	5	U	5	U	5	U	5	U	5	U	6.1		5	U	5	U	5	U	NA		5	U	5	U	5	U
Acenaphthene	20	5	U	18		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U
Acenaphthylene	-	5	U	18		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U
Anthracene	50	5	U	5.6		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U
Benzoic Acid	-	5	U	5	U	5	U	5	U	5	U	5	U	29		5	U	5	U	5	U	NA		5	U	5	U	5	U
Carbazole	-	5	U	10		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U
Dibenzofuran	-	5	U	6.5		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U
Fluorene	50	5	U	18		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U
Naphthalene	10	8.6		**630**	D^{10}	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	NA		5	U	5	U	5	U
Phenanthrene	50	5	U	39		5	U	5	U	5	U	5	U	7.1		5	U	5	U	5	U	NA		5	U	5	U	5	U
Phenol	1	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U	**7.4**		*5*	U	*5*	U	*5*	U	NA		*5*	U	*5*	U	*5*	U
PCB (µg/l)																													
Total PCBs	0.09	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NA		ND		ND		ND	
Pesticides (µg/l)																													
Hexachlorobenzene	0.04	*0.1*	U	*0.1*	U	*0.1*	U	*0.1*	U	*0.1*	U	*0.1*	U	*0.1*	U	*0.1*	U	*0.1*	U	**0.08**	J	NA		*0.1*	U	*0.1*	U	*0.1*	U

Notes:
1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for Drinking Water (Class GA) .

2. Only detections are shown.
3. NYSDEC TOGS Exceedances are shaded and bolded.
3. Reporting Limits (RL) above NYSDEC TOGS Class GA Standards and Guidance Values are italicized.
4. VOC = Volatile Organic Compounds
5. SVOC = Semi-volatile Organic Compounds
6. µg/l = micrograms per liter
7. "-" = Criteria not available

Qualifiers:
D^{10} = sample diluted; dilution factor 10
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL.
B = Analyte detected in the associated Method Blank
J = Estimated value; analyte detected between the RL and the MDL.

Table 9
Previous Analytical Groundwater Results (Metals, Dissolved Metals)
AKRF Supplemental Phase II ESI 2003

Greenpoint Lumber Yard
Brooklyn, New York
Langan Project No. 170229002

		ON-SITE (PARCELS D1, F, G, H)										ON-SITE (PARCELS A, B, E2)												OFF-SITE			
Location/Sample ID	**NYSDEC TOGS 1.1.1 AWQS AND Guidance Values (GA)**	**MW10**		**MW13A**		**MW14**		**MW15A**		**MW16**		**MW6**		**MW7**		**MW8**		**MW9**		**MW11**		**FIELD BLANK**		**MW12A**		**FOUND WELL**	
Lab Sample ID		**0307061-05**		**0307061-08**		**0307061-09**		**0307061-10**		**0307061-11**		**0307061-01**		**0307061-02**		**0307061-03**		**0307061-04**		**0307061-06**		**0307061-14**		**0307061-07**		**0307061-12**	
Sample Date		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**		**7/16/2003**	
Metals (µg/l)																											
Aluminum	-	204		164		253		253		139		104		1680		334		582		110		18	J	211		20	U
Antimony	3	**18**	J	**22**	J	**24**	J	*25*	U	*25*	U	**83.6**		**54.8**		**44.3**		**27.2**		*25*	U	*25*	U	*25*	U	**94.7**	
Barium	1000	130		68.1		214		137		162		218		132		486		230		496		20	U	277		142	
Calcium	-	266000		345000		92800		115000		158000		146000		39200		168000		223000		113000		128		113000		101000	
Cobalt	-	20	U	20	U	20	U	20	U	20	U	13	J	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Copper	200	13	J	11	J	9.1	J	6.4	J	20	U	15	J	19	J	10	J	15	J	9.8	J	20	U	12	J	7.6	J
Iron	300	**6980**		**3050**		**19300**		**3600**		**12200**		**29200**		**497**		106		**3830**		153		20	U	**9420**		**3150**	
Lead	25	10	J	15	U	10	J	9.3	J	15	U	15	U	19.7		15	U	17.3		15	U	15	U	23.6		15	U
Magnesium	35000	**52200**		27000		14300		25300		**54200**		7070		166		**495000**		**38700**		33800		20	U	27800		34100	
Manganese	300	**6120**		**752**		**2690**		**838**		**494**		**558**		8.2	J	18	J	**848**		184		20	U	**1930**		**806**	
Nickel	100	20	U	6.4	J	4.8	J	9.1	J	20	U	5.4	J	5.8	J	20	U	4.5	J	5.4	J	20	U	20	U	20	U
Potassium	-	42100		22100		13900		6200		23400		15500		100000		349000		38800		7100		26	J	24300		17000	
Sodium	20000	**109000**		**57100**		**75900**		**29900**		**77900**		**21700**		**110000**		**509000**		**101000**		**34000**		479		**83400**		**89300**	
Thallium	0.5	*15*	U	*15*	U	*15*	U	*15*	U	*15*	U	*15*	U	**19**		*15*	U	*15*	U	*15*	U	*15*	U	*15*	U	*15*	U
Vanadium	-	20	U	20	U	20	U	20	U	20	U	20	U	8.3	J	20	U	20	U	20	U	20	U	20	U	20	U
Zinc	-	82.9		29.2		42.2		39.3		33.6		51.6		39.2		52		146		41.4		20	U	53.8		33.9	
Dissolved Metals (µg/l)																											
Aluminum	-	41.7		57.3		33.9		40.3		37.7		56.2		1690		57.5		72.7		66.5		NA		41.7		42.1	
Barium	1000	112		65.6		171		142		143		146		140		468		235		49.9		NA		240		141	
Calcium	-	304000		381000		101000		130000		176000		160000		41900		167000		252000		123000		NA		127000		110000	
Copper	200	20	U	20	U	20	U	20	U	20	U	20	U	5.2	J	20	U	20	U	20	U	NA		20	U	20	U
Iron	300	**399**		**332**		**1550**		**1090**		**404**		**843**		157		44.8		**695**		58.4		NA		**395**		**565**	
Lead	25	15	U	15	U	15	U	15	U	15	U	15	U	9.1	J	15	U	15	U	15	U	NA		15	U	15	U
Magnesium	35000	**58100**		29400		12300		28700		**60700**		7730		63.3		**505000**		**42200**		**36700**		NA		31200		**37500**	
Manganese	300	**6800**		**814**		**2760**		**924**		**476**		**537**		20	U	18	J	**939**		194		NA		**2100**		**851**	
Nickel	100	20	U	20	U	20	U	20	U	20	U	20	U	4.8	J	20	U	20	U	4.6	J	NA		20	U	20	U
Potassium	-	51000		24900		14100		7430		28200		18100		114000		368000		45800		8250		NA		30300		20500	
Sodium	20000	**112000**		**55400**		**56100**		**28700**		**80200**		17100		**116000**		**517000**		**102000**		**32100**		NA		**88700**		**95600**	
Vanadium	-	20	U	20	U	20	U	20	U	20	U	20	U	8.1	J	20	U	20	U	20	U	NA		20	U	20	U
Zinc	-	5.1	J	14	J	12	J	14	J	4.9	J	7.1	J	6.2	J	27		101		18	J	NA		5.6	J	19	J

Notes:

1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for Drinking Water (class GA).

2. Only detections are shown.
3. NYSDEC TOGS Exceedances are highlighted and bolded.
4. Reporting Limits (RL) above NYSDEC TOGS GA Standards and Guidance Values are italicized.
5. µg/l = micrograms per liter
6. "-" = Criteria not available
7. NA = Not analyzed

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL.
J = Estimated value; analyte detected between the RL and the MDL.

APPENDIX A

SITE-SPECIFIC HEALTH AND SAFETY PLAN

SITE-SPECIFIC HEALTH AND SAFETY PLAN

for

Greenpoint Landing
Brooklyn, New York

Prepared For:

Park Tower Group
Greenpoint Landing Associates, LLC
535 Madison Avenue
New York, NY 10022

Prepared By:

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May 2013
170299002

LANGAN

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1.0 INTRODUCTION

1.1 General

This Site-Specific Health and Safety Plan (HASP) has been developed by Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) to comply with Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1910.120(b)(4), Hazardous Waste Operations and Emergency Response (HAZWOPER). It addresses the environmental sampling activities related to the Remedial Investigation at Greenpoint Landing, Brooklyn, New York (the Site). This HASP is to be implemented by Langan personnel while on-site. Compliance with this HASP is required of all Langan personnel who enter this area of site operations. The management of the day-to-day activities concerning this site and implementation of this HASP in the field is the responsibility of the site Health and Safety Officer (HSO). Assistance in the implementation of this HASP can also be obtained from the Langan Health and Safety Manager (HSM). The content of this HASP may change or undergo revision based upon additional information made available to health and safety personnel, monitoring results, or changes in the scope of work. Any changes proposed must be reviewed by Health and Safety staff and are subject to the approval of the Langan HSM.

1.2 Objectives

Langan's primary responsibility is to complete a remedial investigation (RI) to evaluate the findings of previous studies and potential impacts from hydraulically up-gradient and off-site potential sources of contamination (including the NuHart State Superfund Site), as well as to evaluate soil, groundwater and soil vapor quality across the Site.

A total of 25 subsurface soil vapor points and approximately 20 soil borings and 20 permanent groundwater monitoring wells will be completed as part of the RI.

The RI will be completed in two-phased approach. Phase 1 of the RI will consist of the geophysical survey and soil vapor sampling program. The purpose of Phase 1 is to characterize soil vapor quality across the Site and to serve as a diagnostic tool for selecting the locations of additional soil and groundwater samples necessary to further evaluate identified soil vapor conditions. Phase 2 of the RI will include the installation and sampling of additional soil borings and monitoring wells and sampling of existing monitoring wells.

1.3 Roles and Responsibilities

The following briefly describes the health and safety (H&S) designations and general responsibilities which may be employed for this phase of work. The titles have been established to accommodate the site requirements in order to ensure the safe conduct of on-site work. The number and type of H&S personnel for a given work location is to be based upon the particular H&S requirements relative to the proposed site activities or operations.

1.3.1 Project Manager

The project manager (PM) has overall responsibility to ensure that personnel working on-site are safe. The specific responsibilities of the project manager include:

- Ensuring that the HASP is developed prior to the field work or site visit;
- Reviewing and approving the HASP prior to the field work or site visit;
- Ensuring employee understanding of and compliance with the HASP; and
- Ensuring that project tasks are performed in a manner consistent with Langan's comprehensive *Health and Safety Program for Hazardous Waste Operations* and the HASP.

1.3.2 Corporate Health and Safety Manager

The corporate health and safety manager (HSM) provides guidance to the project manager and health and safety officer (HSO) on HASP preparation and reviews and approves the HASP. The specific responsibilities of the corporate health and safety manager include:

- Serving as a resource in the development and implementation of HASPs;
- Providing guidance and serving as a resource to the Langan HSO;
- Assisting the HSO with development of the HASP, updating HASP as dictated by changing conditions, jobsite inspection results, etc.;
- Assisting the HSO to conduct jobsite safety Inspections and assisting with the correction of shortcomings found;
- Ensuring training requirements are satisfied in a timely manner;
- Ensuring medical evaluations of Langan personnel are current; and

- Maintaining records on personnel (medical evaluation results, training and certifications, accident investigation results, etc.).

1.3.3 Health and Safety Officer

The health and safety officer (HSO) is responsible and authorized to implement this HASP and verify compliance. The HSO reports to the PM and is on-site or readily accessible to the site during all work operations. The HSO is responsible for assessing site conditions and direction and controlling emergency response activities. The specific responsibilities of the HSO include the following:

- Participating in the development and implementation of this HASP;
- Conducting jobsite safety inspections and correcting any shortcomings in a timely manner;
- Helping to select proper PPE (Personal Protective Equipment) and periodically inspecting it;
- Ensuring that PPE is properly stored and maintained;
- Controlling entry into and exit from the contaminated areas or zones of the site;
- Monitoring the work parties for signs of stress, such as heat stress, fatigue, and cold exposure;
- Monitoring site hazards and conditions;
- Knowing (and ensuring that all site personnel also know) emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire department, and police department; and
- Resolving conflicting situations which may arise concerning safety requirements and working conditions.

1.3.4 Key Personnel and Contact Information

Title	Name	Affiliation	Work Telephone	Cell Phone
Project Manager	Mimi Raygorodetsky	Langan	212-479-5441	917-952-9906
HSO	Gregory Wyka	Langan	212-479-5476	347-267-2679
HSM	Tony Moffa	Langan	212-491-6545	212-756-2523
N/A	Incident/Injury Hotline	Langan	201-398-4699	N/A
Site Contact	Marian Klein	Park Tower Group	212-310-9642	212-355-7570
Client Contact	Marian Klein	Park Tower Group	212-310-9642	212-355-7570

1.3.5 Subcontractor Responsibilities

Each subcontractor shall develop and implement their own HASP, which identifies a lead individual responsible for H&S compliance for each of their employees, lower-tier subcontractors, and consultants. The subcontractor's HASP will be at least as stringent as this Langan HASP. The subcontractor must be familiar with and abide by the requirements outlined in their own HASP. A subcontractor may elect to adopt Langan's HASP as its own provided that it has given written notification to Langan, but where Langan's HASP excludes provisions pertinent to the subcontractor’s work (i.e., confined space entry), the subcontractor must provide written addendums to this HASP. Additionally, the subcontractor must:

- Ensure their employees are trained in the use of all appropriate PPE for the tasks involved;
- Notify Langan of any hazardous material brought onto the job site, the hazards associated with the material, and must provide a MSDS for the material;
- Have knowledge of, understand, and abide by all current federal, state, and local health and safety regulations pertinent to the work;
- Ensure their employees have received current training in the appropriate levels of 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response (HAZWOPER);

- Ensure their employees have been medically cleared to work in Hazardous Waste Sites and to wear a respirator, if necessary;
- Ensure their employees have been fit-tested within the year on the type respirator they will wear;
- Ensure that its employees have been briefed on this HASP and have signed the HASP Compliance Agreement.

2.0 EMERGENCY RESPONSE PLAN

The following section discusses emergency recognition and prevention and emergency response and notification. Emergency situations include, but are not limited to, injury or chemical exposure to personnel, fire or explosion, environmental release, or serious weather conditions.

2.1 Emergency Prevention, Recognition, Response and Notification

It is the responsibility of all personnel to monitor work at the Site for potential safety hazards. All personnel are required to immediately report any unsafe conditions to the HSO. The HSO is responsible to immediately take steps to remedy any unsafe conditions observed at the Site.

If an emergency at the Site warrants evacuation, all personnel shall immediately evacuate the affected area, report to the predetermined emergency assembly location, and then report the emergency to the HSO. The predetermined emergency assembly location will be at the **southeast corner of West Street and Eagle Street**.

In case of injury, field personnel should take precautions to protect the victim from further harm, immediately administer emergency first aid (as necessary), and notify local or facility emergency services and the HSM immediately. Emergency medical care will be provided by the FDNY/NYPD.

All work-related incidents, injuries of any personnel (e.g., Langan employees, subcontractors, property owners, visitors, etc.) associated with field activities, and near-misses and all property damage and injuries must immediately be report to the Langan Incident/Injury Hotline. The affected employee and the HSO must complete and submit the Employee Exposure/Injury Incident Report (Appendix A) as soon as possible following the incident.

In all situations when an on-site emergency results in an evacuation, Langan personnel shall not

re-enter until:

- The conditions resulting in the emergency have been corrected;
- The hazards have been reassessed;
- This HASP has been reviewed and revised, as necessary; and
- Langan field personnel have been briefed on changes to this HASP.

2.2 Hospital Route Map

In case of emergency, the nearest hospital to the Site is New York University Medical Center located at 550 First Avenue, Manhattan, New York. A route map to the hospital is provided as Figure 1.

Directions to NYU Medical Center

START: 171 West St, Brooklyn, NY 11222

1. Head north on West Street toward Green Street
2. Take the 1st right onto Green Street
3. Take the 3rd left onto McGuinness Boulevard
4. Slight left onto Pulaski Bridge
5. Take the 1st right onto 49th Avenue
6. Turn right onto 11th Place
7. Turn right onto 50th Avenue
8. Turn left onto the I-495 W ramp
9. Slight right onto I-495 W
10. Exit on the left onto Tunnel Exit Street
11. Turn left onto E 34th Street
12. Take the 1st right onto 2nd Avenue
13. Turn left onto E 30th Street

14. Turn left onto 1st Avenue

END: 550 1st Ave, New York, NY 10016

2.3 Emergency Contact Information

Local Resource	Name	Telephone
Fire	FDNY	911
Police	NYPD	911
Ambulance	FDNY	911
Hospital	New York University Medical Center	212-263-7300
Poison Control Center	N/A	1-800-222-1222

3.0 SITE LOCATION AND BACKGROUND

The Site is located in the Greenpoint section of Brooklyn, New York and is identified as Block 2472 (Lots 2, 32, 100), Block 2494 (Lots 1, 6), Block 2502 (Lot 1), Block 2510 (Lot 1), and Block 2520 (Lot 57) on the New York City Tax Map. A Site Location Map is provided as Figure 1. The following block and lots are assigned with Hazardous Materials and Noise E-Designations: Block 2472 (Lots 2, 32, 100), Block 2492 (Lots 1, 6), Block 2501 (Lot 1), Block 2510 (Lot 1), Block 2520 (Lot 57). The Site is approximately 22 acres (approximately 954,000 square feet [SF]) and includes mostly waterfront blocks along West and Commercial Streets, between Green and Clay Streets. The Site has more than a 100-year history of industrial use related to the lumber and coal industries.

The majority of the Site is unimproved and asphalt paved. A small two-story brick office building and a corrugated metal garage are located on Block 2520 (Lot 57) and a one-story brick automobile repair shop is located on Block 2494 (Lot 1). The majority of the Site is used for storage of construction materials and equipment, such as cranes and scaffolding. The Site also includes a small parcel of land owned by the New York City Department of Environmental

Protection (DEP), which is located on Block 2494 (Lot 6). The NYCDEP-owned land is improved with a sludge storage tank, an element of the Newtown Creek Water Pollution Control Plan, which is scheduled for demolition in 2014. The current layout of the Site is provided as Figure 2.

4.0 SCOPE OF WORK

4.1 Task Descriptions

4.1.1 Phase 1

Task #1 - Geophysical Survey

A geophysical consultant will conduct a geophysical survey using ground penetrating radar (GPR) and electromagnetic detection equipment across the entire Site prior to commencement of intrusive field activities (i.e. soil borings, groundwater sampling and soil vapor sampling). By surveying the entire site, the survey area will include potential underground tank locations as identified by previous investigations and proposed soil vapor, soil and groundwater sampling locations. The geophysical survey will also help locate existing monitoring wells that may be covered by surface soil and vegetation. Survey coverage may be limited by the presence of staged materials and equipment (i.e. shipping containers).

Task #2 - Soil Vapor Sampling

A total of 25 permanent, sub-surface soil vapor collection points will be installed and a total of 25 soil vapor samples will be collected and analyzed. In addition, two field duplicate samples and approximately five ambient air samples (one per sampling day) will be collected and analyzed for QA/QC purposes.

Installation of soil vapor collection points and sample collection will be performed in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance October 2006). Soil vapor sample points will be installed in soil borings advanced to a depth comparable to the anticipated depth of foundation footings or at least one foot above the water table, whichever is shallower, using a Geoprobe® direct-push drill rig. Sample collection points will consist of a stainless steel screened probe and inert sampling tubing (i.e. polyethylene or Teflon). The annulus around the probe (i.e. the sampling zone) will be filled with coarse sand to approximately six inches above the top of the probe. A three-foot hydrated bentonite seal will be installed above the sampling zone. The annulus around the inert sampling tube will be filled with coarse sand up to a cement or cement-bentonite surface seal. A flush-mounted three-inch manhole cover will be installed at the surface to facilitate

resampling in the future. A ball-valve will be inserted into the top of the sampling tube to keep the tube clean and dry.

Sampling will occur at a minimum of 24 hours after installation of each soil vapor probe. A minimum of three implant volumes (i.e. the volume of the sample probe and tubing) will be purged from each sample port at a rate of less than 0.2 liters per minute. Readings of volatile organic compounds (VOCs) as detected using a photoionization detector (PID) will be recorded during purge events. The samples will be collected into laboratory-supplied batch-certified clean 1-liter Summa® canisters with flow controllers calibrated for a sampling rate less than 0.005 liters per minute. Each sample will be collected for a minimum of two hours. A sample log sheet will be maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols.

As part of the vapor intrusion evaluation, a helium tracer gas will be used in accordance with NYSDOH protocols to serve as a QA/QC device to document the integrity of the soil vapor probe seal. A container (box, plastic pail, etc.) will serve to keep the tracer gas in contact with the probe during testing. A helium monitoring device will be used to analyze a sample of soil vapor for the tracer gas prior to sampling. If the tracer sample results show a significant presence of the tracer, the probe seals will be adjusted to prevent infiltration. At the conclusion of the sampling round, tracer monitoring will be performed a second time to confirm the integrity of the probe seals.

The location and elevation of the sampling points (top of manhole cover) will be surveyed by a licensed NYS surveyor.

4.1.2 Phase 2

Task #3_ - Soil Sampling

A total of approximately 20 soil borings will completed by a licensed drill contractor under the supervision of Langan field staff.

Soil borings will be completed with a Geoprobe® direct-push drill rig equipped with a dual-tube sampling system to prevent the collapse of sidewall material as the borings are advanced to collect a core representative of the depth interval advanced. Soil samples will be collected continuously into macrocore barrels lined with five-foot dedicated acetate sleeves. If necessary, more advanced drilling equipment and/or technology will be used to complete the investigation. The extracted soil will be screened for total VOCs with a photoionization detector

(PID), inspected for visual and olfactory evidence of contamination, and classified by a Langan field geologist/engineer/QEP. Field work will be recorded in a field log. Soil borings will be advanced to the groundwater interface or proposed development depth (approximately 17 feet bgs), whichever is shallower, across the Site.

An attempt will be made (contingent upon soil recovery) to collect two discrete (grab) soil samples per boring for laboratory analysis. At each boring location, one soil sample will be collected at the groundwater interface or the proposed development depth (approximately 17 feet bgs), whichever is shallower. The second soil sample will be collected from the 0 to 2 foot interval below surface cover or from the depth interval exhibiting the highest evidence of contamination based on PID readings and visual or olfactory observations. ENCORE® kits (5-gram) will be used to collect soil samples for VOCs analysis. In addition, two field duplicate samples, two field blank samples, two matrix-spike/matrix-spike duplicate (MS/MSD) samples, and trip blanks (one per cooler) will be collected and analyzed for QA/QC purposes.

Task #4 - Groundwater Sampling

The location and elevations of the new and existing monitoring wells (top of casing) and nearby ground surface will be surveyed by a licensed NYS surveyor. Survey and gauging data will be used to develop a groundwater contour map and evaluate the direction of groundwater flow.

A total of approximately 20 permanent monitoring wells will be installed and a total of 20 groundwater samples will be collected and analyzed. Langan will attempt to locate and, if accessible and undamaged, redevelop, gauge and sample the eleven permanent groundwater monitoring wells that were completed as part of AKRF's Phase II ESI. In addition, two field duplicate samples, two field blank samples, two matrix-spike/matrix-spike duplicate (MS/MSD) samples, and trip blanks (one per cooler) will be collected and analyzed for QA/QC purposes.

A permanent monitoring well will be constructed at each completed soil boring with a Geoprobe® drill rig equipped with a hollow-stem auger (HSA) attachment. If the water table is not reached within 15 feet bgs at a proposed location, drilling will continue until the water table is reached. Monitoring wells will be constructed of two-inch Schedule 40 PVC pipe with ten feet of 0.010-inch slotted well screen installed five feet below the water table and five feet above the water table and a #1 Morie pure silica sand primarily filter pack (or equivalent product with 90% of the filter pack retained by the well screen slot size). A one-foot annular seal of hydrated bentonite will be installed above the primary filter pack. The annulus around solid PVC pipe will be filled with pure silica sand up a cement or cement-bentonite surface seal. All completed monitoring wells will be fitted with a locking well cap, a protective case and flush-mounted manhole cover. New monitoring wells (and existing monitoring wells) will be developed after it is constructed with a submersible pump (a Grundfos RediFlo or equivalent)

and dedicated Teflon-lined polyethylene tubing until the purged water is visually clear and/or all groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) have stabilized, to the extent practicable.

One groundwater sample will be collected from each monitoring well in general accordance with NYSDEC DER-10 and USEPA's Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells. The groundwater samples will be collected approximately one week after the monitoring wells are installed using a submersible pump (Grundflos Redi-Flo or equivalent) connected to Teflon-lined polyethylene tubing. Before the groundwater sample is collected, the well will be gauged and then continuously purged until all groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) have stabilized, to the extent practicable, in accordance with the USEPA Low Flow Procedures. A multi-parameter water quality system (YSI 6920 or equivalent) will be used to monitor the groundwater quality parameters. Stabilization is achieved when three consecutive readings of all parameters, to the extent practicable, are within the limits specified in the USEPA Low Flow Procedures. Should the turbidity of the groundwater remain high or not stabilize, or if the well is found to be low yielding, a groundwater sample will be collected; such occurrences will be noted and explained in the RIR. Purged groundwater will be containerized in properly labeled 55-gallon steel drums and stored on-site prior to off-site disposal.

5.0 HAZARD EVALUATION

This section provides an assessment of the general hazards that may be encountered during field work activities through a task-by-task risk analysis. Potential hazards as chemical exposure and physical hazards are presented below.

5.1 Chemical Hazard Evaluation

Potentially hazardous constituents known to exist at the Site are volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, and metals. Exposure to chemical hazards is possible during all proposed site tasks. These potentially hazardous constituents have been documented to exceed applicable regulatory criteria (e.g. soil cleanup objectives and ambient water quality standards). Petroleum-contaminated soil and groundwater as well as solvent-contaminated groundwater have been previously documented at the Site. The subsurface stratigraphy consists of historic fill material composed of brown to black fine to coarse sand with varying percentages of gravel and silt from ground surface to approximately 15 feet bgs. Native soil composed of orange to brown

silt and clay was encountered below the layer of fill material to approximately 20 feet bgs. Wood, coal, slag and brick fragments and ash were noted in the historic fill material. The dark color of the fill material is attributed to its high coal content (most of the Site was historically used as coal storage yards).

5.2 Summary of Potential Chemical Hazards

The following table (Table 1) lists the known potentially hazardous constituents at the Site. The table also lists the chemical properties and OSHA permissible exposure limit (PEL), short-term exposure limit (STEL), and immediately dangerous to life and health (IDLH) level.

More information about the potentially hazardous constituents at the Site, including acute toxicological symptoms and first aid procedures, can be found on their Material Safety Data Sheets (MSDS) in Appendix B. The MSDS in Appendix B are listed in alphabetical order.

Table 1: Potential Chemical Hazards Summary								
Constituent of Concern	**Environmental Medium**	**OSHA PEL**	**OSHA STEL**	**OSHA IDLH**	**IP (eV)**	**Hazards**	**Route of Exposure**	**Monitoring Device**
Volatile Organic Compounds								
1,2,4-Trimethylbenzene	Soil/Groundwater	NIOSH REL 25ppm	--	--	8.27	Flammable	Inhalation Ingestion Contact	PID
1,3,5-Trimethylbenzene	Soil/Groundwater	NIOSH REL 25ppm	--	--	8.39	Flammable	Inhalation Ingestion Contact	PID
Benzene	Groundwater	1ppm	5pmm	500pmm	9.24	Ca, Flammable	Inhalation Ingestion Absorption Contact	PID
Ethylbenzene	Soil/Groundwater	100ppm	NIOSH ST 125ppm	800ppm	8.76	Flammable	Inhalation Ingestion Contact	PID
Toluene	Groundwater	200ppm	300ppm	500ppm	8.82	Flammable	Inhalation Ingestion Absorption Contact	PID
Total Xylenes	Soil/Groundwater	100ppm	NIOSH ST 150ppm	900ppm	8.56	Flammable	Inhalation Ingestion Absorption Contact	PID
Styrene	Groundwater	100ppm	NIOSH ST 100ppm	700ppm	8.40	Flammable	Inhalation Ingestion Absorption Contact	PID
Tetrachloroethene	Groundwater	100ppm	200 for 5 minutes in	150ppm	9.32	Ca	Inhalation Ingestion	PID

Table 1: Potential Chemical Hazards Summary								
Constituent of Concern	**Environmental Medium**	**OSHA PEL**	**OSHA STEL**	**OSHA IDLH**	**IP (eV)**	**Hazards**	**Route of Exposure**	**Monitoring Device**
			3-hour period				Absorption Contact	
4-Isopropyltoluene	Soil/Groundwater	--	--	--	--	--	--	PID
Naphthalene	Soil/Groundwater	10ppm	NIOSH ST 15ppm	250ppm	8.12	Combustible Solid	Inhalation Ingestion Absorption Contact	PID
p-Diethylbenzene	Soil	--	--	--	--	--	--	PID
p-Ethyltoluene	Soil	--	--	--	--	--	--	PID
Semi-Volatile Organic Compounds								
Anthracene (CTPV)	Soil	0.2 mg/m^3	--	80 mg/m^3	--	Ca, Combustible Solid	Inhalation Contact	--
Benzo[a]anthracene (CTPV)	Soil	0.2 mg/m3	--	80 mg/m3	--	Ca, Combustible Solid	Inhalation Contact	--
Benzo[a]pyrene (CTPV)	Soil	0.2 mg/m3	--	80 mg/m3	--	Ca, Combustible Solid	Inhalation Contact	--
Benzo[b]fluoranthene (CTPV)	Soil	0.2 mg/m3	--	80 mg/m3	--	Ca, Combustible Solid	Inhalation Contact	--
Benzo[k]fluoranthene	Soil	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	Soil	--	--	--	--	--	--	--
Chrysene (CTPV)	Soil	0.2 mg/m3	--	80 mg/m3	--	Ca, Combustible Solid	Inhalation Contact	--
Dibenzo(a,h)anthracene	Soil	--	--	--	--	Suspect Ca	Inhalation	--

Table 1: Potential Chemical Hazards Summary								
Constituent of Concern	**Environmental Medium**	**OSHA PEL**	**OSHA STEL**	**OSHA IDLH**	**IP (eV)**	**Hazards**	**Route of Exposure**	**Monitoring Device**
							Ingestion Absorption Contact	
Indeno(1,2,3-c,d)pyrene	Soil	--	--	--	--	--	--	--
Fluoranthene	Soil	--	--	--	--	--	--	--
Fluorene	Soil	--	--	--	--	--	--	--
Phenanthrene (CTPV)	Soil	0.2 mg/m3	--	80 mg/m3	--	Ca, Combustible Solid	Inhalation Contact	--
Phenol	Groundwater	5ppm	--	250ppm	8.50	Combustible Solid	Inhalation Ingestion Absorption Contact	--
Pyrene (CTPV)	Soil	0.2 mg/m3	--	80 mg/m3	--	Ca, Combustible Solid	Inhalation Contact	--
Polychlorinated Biphenyls								
Polychorinated biphenyls	Soil	1 mg/m^3 (1242) 0.5 mg/m^3 (1254)	--	5 mg/m^3	--	Ca	Inhalation Ingestion Absorption Contact	--
Pesticides								

Table 1: Potential Chemical Hazards Summary								
Constituent of Concern	**Environmental Medium**	**OSHA PEL**	**OSHA STEL**	**OSHA IDLH**	**IP (eV)**	**Hazards**	**Route of Exposure**	**Monitoring Device**
4,4'-DDT	Soil	1 mg/m^3 (skin)	--	500ppm	--	Ca	Inhalation Ingestion Absorption Contact	--
4,4'-DDD	Soil	--	--	--	--	--	--	--
4,4'-DDE	Soil	--	--	--	--	--	--	--
Chlordane	Soil	0.5 mg/m^3 (skin)	--	100 mg/m^3	--	Ca	Inhalation Ingestion Absorption Contact	--
Endrin	Soil	0.1 mg/m^3 (skin)	--	2 mg/m^3	--	--	Inhalation Ingestion Absorption Contact	--
Hexachlorobenzene	Groundwater	TLV 0.002 mg/m^3	--	--	--	Suspect Ca	Inhalation Ingestion Absorption Contact	--
Metals								
Antimony	Groundwater	0.5 mg/m^3	--	50 mg/m^3	--	--	Inhalation Ingestion Contact	--
Arsenic (Inorganic)	Soil	0.010 mg/m^3	--	5 mg/m^3	--	Ca	Inhalation Ingestion Absorption Contact	--
Barium (as $BaCl_2$)	Soil/Groundwater	0.5 mg/m^3	--	50 mg/m^3	--	--	Inhalation Ingestion	--

Table 1: Potential Chemical Hazards Summary								
Constituent of Concern	**Environmental Medium**	**OSHA PEL**	**OSHA STEL**	**OSHA IDLH**	**IP (eV)**	**Hazards**	**Route of Exposure**	**Monitoring Device**
							Contact	
Copper (as Cu)	Soil	1 mg/m^3	--	100 mg/m^3	--	--	Inhalation Ingestion Contact	--
Cadmium (as Cd)	Soil	0.005 mg/m^3	--	9 mg/m^3	--	Ca	--	--
Chromium (as Cr)	Soil/Groundwater	1 mg/m^3	--	250 mg/m^3	--	--	Inhalation Ingestion Absorption Contact	--
Iron (Iron Oxide)	Groundwater	10 mg/m^3	--	2500 mg/m^3	--	--	Inhalation	--
Lead (as Pb)	Soil/Groundwater	0.050 mg/m^3	--	100 mg/m^3	--	--	Ingestion Absorption Contact	--
Magnesium	Groundwater	--	--	--	--	--	--	--
Manganese (as Mn)	Groundwater	1 mg/m^3	NIOSH ST 3 mg/m^3	500 mg/m^3	--	Combustible Solid	Inhalation Ingestion	--
Mercury (as Hg)	Soil/Groundwater	0.1 mg/m^3 (skin)	--	10 mg/m^3	--	--	Inhalation Ingestion Absorption Contact	--
Nickel (as Ni)	Soil/Groundwater	1 mg/m^3	--	10 mg/m^3	--	Ca, Combustible Solid	Inhalation Ingestion Contact	--
Sodium	Groundwater	--	--	--	--	--	--	--
Silver (as Ag)	Groundwater	0.01 mg/m^3	--	10 mg/m^3	--	--	Inhalation Ingestion Contact	--
Thallium (as Tl)	Groundwater	0.1 (skin)	--	15	--	--	Inhalation	--

Table 1: Potential Chemical Hazards Summary								
Constituent of Concern	**Environmental Medium**	**OSHA PEL**	**OSHA STEL**	**OSHA IDLH**	**IP (eV)**	**Hazards**	**Route of Exposure**	**Monitoring Device**
		mg/m^3		mg/m^3			Ingestion Absorption Contact	
Zinc (Zinc Oxide)	Soil	15 mg/m^3 (total dust)	--	500 mg/m^3	--	--	Inhalation	--

Notes:
NIOSH – National Institute for Occupational Safety and Health
REL – Recommended Exposure Limit
OSHA – Occupational Safety and Health Administration
PEL – Permissible Exposure Limit
STEL – Short-Term Exposure Limit
IDLH – Immediate Danger to Life and Health
TLV – Threshold Limit Value
CPTV – Coal Tar Pitch Volatiles
IP – Ionization Potential
Ca – Carcinogen
Sources: NIOSH Pocket Guide to Chemical Hazards (Department of Health and Human Services, Centers for Disease Control and Prevention, September 2007); OSHA Chemical Sampling Information Search (http://www.osha.gov/dts/chemicalsampling/toc/toc_chemsamp.html)

5.3 Physical Hazard Evaluation

5.3.1 Drilling Hazards

Use of a drill rig will require all personnel in the vicinity of the operating rig to wear steel-toed boots, hardhats, hearing protection and safety eyewear. Langan personnel should not remain in the vicinity of operating equipment unless it is required for their work responsibilities. Additionally, the following safety requirements must be followed:

- All drill rigs and other machinery with exposed moving parts must be equipped with an operational emergency stop device. Drillers and Langan personnel must be aware of this device. This device must be tested before the job starts and periodically thereafter. The driller and helper shall not simultaneously handle augers unless there is a standby person to activate the emergency stop when necessary;

- A remote sampling device must be used to sample drill cuttings if the tools are rotating or if the tools are readily capable of rotating. Langan personnel must not reach into or near the rotating equipment. If personnel must work near any tools that could rotate, the driller must shut down the rig prior to initiating work;

- Langan personnel must secure all loose clothing when in the vicinity of drilling operations;

- Direct push rigs use tremendous force to load the steel push rods. Care must be taken to maintain a safe operating distance; and

- There is a potential with using direct push rigs powered with hydraulic oil for a rupture of a hydraulic hose or fitting. Safety glasses should always be worn when operating this equipment for this reason. Exposure of body parts to a pressurized oil, air or water stream can result in severe injury or death.

5.3.2 Underground Utilities

New York law requires that a utility mark out be performed at a site at least 72 hours prior to starting any subsurface work. Langan's drilling subcontractor will contact New York One Call (1-800-272-4480) to request a mark out of underground utilities in the proposed excavation and drilling areas. Work will not begin until the required utility clearances have been completed.

Public utilities typically do not mark-out utility lines that are located on private property. A geophysical survey will be performed to identify the location of any private utilities at the Site.

5.3.3 Noise

The use of excavation and drilling equipment may generate noise levels that will require the use of hearing protection in the immediate vicinity. Hearing protection will be used around drilling equipment. Appropriate earplugs or earmuffs with a NRR greater than 25 will be worn to prevent overexposure.

5.3.4 Miscellaneous

Applicable OSHA 29 CFR 1910.120(m) standards for illumination shall apply. Work should be conducted during daylight hours whenever possible.

Electrical power should be provided through a ground fault circuit interrupter. Equipment that will enter an excavation must be suitable and approved (i.e. intrinsically safe) for use in potentially explosive environments. Applicable OSHA 29 CFR 1926 Subpart K standards for use of electricity shall apply.

Work where there is a fall hazard should be performed using appropriate ladders and/or protection (e.g. body harness and lifeline). All work should be conducted at the ground surface.

In accordance with 29 CFR 1910.151(c), workers involved in operations where there is the risk of eye injury, (chemical splash, etc.), should have ready access to an approved eye wash unit. Protective eye wear shall be donned in Level D. The full-face APR required by Level C and the pressure demand self-contained breathing apparatus mask required by Level B provide eye protection.

Operations where there is a potential for fire should be conducted in a manner that minimizes risk. Non-sparking tools and fire extinguishers shall be used or available as directed by the site safety officer when work is in potentially explosive atmospheres. Ignition sources shall be removed from work areas. Explosion-proof instruments and/or bonding and grounding should be used to prevent fire or explosion when the site safety officer directs their use.

Overhead utilities should be identified and/or inspected and appropriate safety precautions taken before conducting operations where there is potential for contact or interference.

5.4 Summary of Potential Physical Hazards

The following table (Table 2) presents a summary of possible physical hazardous that are likely to be encountered during completion of field task. Fact sheets for cold and heat stress are included as Appendix C.

	Table 2: Potential Physical Hazards Summary		
Task	**Possible Hazard**	**Description**	**Safety/Control Procedures**
#2, #3	Heavy equipment	Drill rig and support vehicle.	Stay back from operating equipment; wear safety vests and hard hats, coordinate and maintain eye contact with equipment operator.
#2, #3	Noise	Drill rig engine, probe, auger.	Wear hearing protection.
#2, #3	Falling objects	Tools and other equipment falling off drill rig.	Wear hard hat.
#2, #3	Underground/overhead utilities	Drill rig probe or auger or subsurface probing tool makes contact with underground object; boom touches overhead power line.	Follow mark-out policy and safe drilling practices.
#1, #2, #3, #4	Biological	Bee stings; dog, tick, snake bites; poison ivy; mosquitoes.	Wear proper PPE; be vigilant; follow safe work practices; wear insect repellant.
#2, #3, #4	Improper material handling	Improper lifting/carrying of equipment and materials causing strains.	Follow safe lifting and general material handling techniques.
#1, #2, #3, #4	Slips, trips, and falls	Various injuries could occur from slips, trips, and falls in carrying out field activities.	Good housekeeping, constant awareness and focus on the task.
#1, #2, #3, #4	Vehicular traffic	Various injuries or incidents could result from vehicular traffic.	Wear high visibility safety vests; use cones to designate work area; follow safe work practices.
#1, #2, #3, #4	Sunburn	Exposure to ultraviolet solar radiation.	Wear broad spectrum sunscreen.
#1, #2, #3, #4	Adverse weather	Severe thunderstorms with strong winds and	Seek shelter; work in adverse weather

	Table 2: Potential Physical Hazards Summary		
Task	**Possible Hazard**	**Description**	**Safety/Control Procedures**
		lightning; heavy precipitation (rain).	conditions only with proper training and equipment. In the event of heavy precipitation (rain) conditions will be assessed to determine if the work can proceed safely. If it is determined that the weather poses a significant hazard, site operations will be stopped and rescheduled.
#1, #2, #3, #4	Heat stress	Heat exhaustion, heat stroke, dehydration.	Proper and consistent hydration; seek shade during work breaks; wear light-colored and breathable clothing; in cases of heat stroke call for emergency help.
#1, #2, #3, #4	Cold stress	Frostbite, hypothermia.	Proper and consistent hydration; wear warm clothing in cold weather; seek warmth during work breaks; in cases of hypothermia call for emergency help

6.0 PERSONAL PROTECTIVE EQUIPMENT

PPE must protect workers from the specific hazards they are likely to encounter on-site. Selection of the appropriate PPE must be taken into consideration: (1) identification of the hazards or suspected hazards; (2) potential exposure routes; and (3) the performance of the PPE construction (materials and seams) in providing a barrier to these hazards. Based on anticipated site conditions, engineering controls and the proposed work tasks to be performed at the Site, Level D Protection should be used. The decision to modify standard PPE will be made by the Site. The general levels of protection are described below.

Level D

- Safety glasses with side-shields or chemical splash goggles if a splash hazard is present;
- Safety boots/shoes (toe-protected);
- Hard hat;
- Long sleeve work shirt and work pants;
- Nitrile gloves;
- Hearing protection (as needed);
- Traffic vest (if working or adjacent to roadway);
- Coveralls (Tyvek or equivalent) if extensive splashing or contaminated media is expected.

Level C

- Full or half mask respirator, air-purifying, cartridge-equipped, NIOSH approved respirator suitable for the compound of concern
- Inner (latex) and outer (nitrile) chemical resistant gloves;
- Chemical-resistant safety boots/shoes (toe-protected);
- Hard hat;
- Long sleeve work shirt and work pants;
- Coveralls (Tyvek or equivalent);
- Hearing protection (as needed);
- Traffic vest (if working on or adjacent to roadway).

7.0 AIR MONITORING

7.1 General

Atmospheric conditions during field activities will be monitored to identify potentially hazardous environments and determine reference or background concentrations. Air monitoring will be used to define work zones and determine the appropriate level of PPE to be worn by Langan field personnel. Air monitoring will be performed at the breathing zone. Upgrades/downgrades to PPE will be made based on air monitoring results in the breathing zone. In general, work shall be initiated in Level D PPE with a contingency to upgrade the level of PPE based on exceedances of action levels.

7.2 Instrumentation

Langan field personnel will be equipped with a RAE Systems MultiRAE 2000 or 3000 with a 10.6eV lamp (photoionization detector) and a MIE pdr-1000 Personal Data Ram (aerosol monitor). The PID will be used to monitor levels of total VOCs. The PDR will be used to monitoring levels of aerosols (particulate matter). The PDR *may* be used for ground intrusive activities. Instruments will be calibrated before each use; calibration readings will be recorded in the field log book. The PID must be calibrated daily in accordance with the manufacturer's specifications. The PID calibration typically requires the use of a span gas (e.g., 100 ppm isobutylene) and zero gas (e.g., fresh air). Be sure that all the required calibration equipment and supplies are provided with the PID (e.g., span gas cylinder, regulator, tubing, and Tedlar™ bag).

7.3 Action Levels

Action levels for total VOCs and aerosols (particulate matter) are presented in the following tables (Table 3 and Table 4) below.

Table 3: Action Levels for VOCs	
Reading	**Action Required**
Background to < 5 ppm[1]	No respirator required; no further action required.
> 5 ppm, <50 ppm[2] for > 5 minutes	Temporarily discontinue all activities and evaluate potential causes of the excessive readings. If these levels persist and cannot be mitigated (i.e., via dust suppression, etc.), contact HSO to review conditions and determine source and appropriate response action. If PID readings remain above 5 ppm, temporarily discontinue work and upgrade to Level C protection. If sustained PID readings fall below 5 ppm, downgrading to Level D protection may be permitted.
> 50 ppm, <500 ppm[3] for > 5 minutes	Discontinue all work; all workers shall move to an area upwind of the job site. Evaluate potential causes of the excessive readings and allow work area to vent until VOC concentrations fall below 100 ppm. Level C protection will continue to be used until PID readings fall below 5 ppm.
> 500 ppm for > 5 minutes	Evacuate work area.

Notes:

(1) 5 ppm is based on OSHA STEL for benzene.
(2) 100 ppm is based on 1% being the OSHA PEL for benzene (1 ppm).
(3) 500 ppm is based on NIOSH IDLH for benzene.

Table 4: Action Levels for Particulate Matter (Respirable Dust)	
Reading	**Action Required**
< 5.0 µg/m^3 above background	Continue to work in Level D (Long sleeve work shirt and work pants, coveralls, steel toed boots, safety glasses and hearing protection)
> 5.0 µg/m^3 above background	Temporarily discontinue all activities and/or implement dust suppression measures (e.g., wet area)

8.0 SITE CONTROL

8.1 Work Zones

The need to formally establish specific work zones (e.g., support zone, contamination reduction zone, and exclusion zone) during work activities will be determined by the HSO. The support zone is any area of the Site that is outside of the exclusion and contamination reduction zones. The contamination reduction zone is the area between the exclusion and support zones that provides a transition between contaminated and clean areas. The exclusion zone is any area of the Site where hazardous substances are present, or are reasonably suspected to be present, and pose an exposure hazard to personnel.

8.2 General Safe Work Practices

Hazards should be controlled at Site areas by limiting entrance to exclusion zones to essential personnel and by implementing the following rules:

- Non-essential (as judged by the HSO) personnel and unauthorized persons shall not enter the exclusion or decontamination zone;
- Before entering the exclusion or decontamination zones, all personnel should be familiar with emergency response procedures, site safety locations, first aid and communication equipment, and the location of the map to the hospital and the list of emergency telephone numbers;
- The buddy system should be used at all times by field personnel in the exclusion zone;

no one is to perform work within the exclusion zone alone. When in Level D or C, visual contact or radio contact should be maintained at all times;

- Contact with contaminated and potentially contaminated surfaces should be avoided. Walk around (not through) puddles and discolored surfaces. Do not kneel on the ground or place equipment on the ground. Protect equipment from contamination;
- No open flames in the work zone;
- Always use the appropriate level of personal protective equipment (PPE)
- Report any unusual conditions;
- Work areas will be kept clear and uncluttered. Debris and other slip, trip, and fall hazards will be removed as frequently as possible;
- The number of personnel and equipment in the work zone will be kept to an essential minimum;
- Be alert to the symptoms of fatigue and heat/cold stress and their effects on the normal caution and judgment of personnel;
- All personnel exiting the exclusion zone should exercise the decontamination procedures described in this HASP;
- Beards or other facial hair that interferes with respirator fit will preclude admission to the exclusion zone.
- Each worker will be supplied with and maintain his/her own personal protective equipment.
- No person will eat, drink, or chew gum or tobacco in potentially contaminated areas. Single portion drink containers and drinking of replacement fluids for heat stress control will be permitted only in support areas;
- Smoking is prohibited by Langan personnel and subcontractors in all areas of the Site because of the potential for contaminating samples and for the health of the field team; and

8.3 Site Safety Meetings

Langan personnel will be given briefings by the HSO on a daily or as-needed basis to further assist personnel in conducting the work activities safely. Briefings will be provided when new activities are to be conducted, new staff enters the Site, changes in work practices are to be implemented due to new information, or if Site or environmental conditions change. Briefings will also be given to facilitate conformance with prescribed safe practices when performance deficiencies are identified during routine daily activities or as a result of jobsite safety inspections. The jobsite safety inspection form is included as Appendix D. The site safety meeting form is included as Appendix E.

8.4 Site Communications

Each field team will carry a cell phone or satellite phone that is in good working order. If there is any type of emergency that requires the site to be evacuated (e.g., severe thunderstorm with lightening), the field team leader will lead the team to the predetermined emergency assembly location. All other emergency notifications that do not require evacuation will be conducted using a cell phone or satellite. Emergency phone numbers are listed above in Section 2.3.

8.5 Buddy System

The buddy system will be used at the Site at all times. The buddy system is a system of organizing employees into field teams in such a manner that each employee of the field team is designated to be observed by at least one other employee in the field team. The purpose of the buddy system is to provide rapid assistance to employees in the event of an emergency.

8.6 Personnel Hygiene

The following personnel hygiene practices will be used at the Site to reduce exposure to hazards:

- Long hair will be secured away from the face so it does not interfere with any work activities;
- Personnel leaving potentially contaminated areas will wash their hands, forearms and faces in the contamination reduction zone prior to entering any clean areas or eating areas.
- Personnel leaving potentially contaminated areas will shower (including washing hair)

and change to clean clothing as soon as possible after leaving the Site.

- No person will eat, drink, or chew gum or tobacco in potentially contaminated areas. Single portion drink containers and drinking of replacement fluids for heat stress control will be permitted only in support areas.

- Smoking is prohibited by Langan personnel and subcontractors in all areas of the Site because of the potential for contaminating samples and for the health of the field team.

8.7 Decontamination

Personnel, clothing, equipment, and samples leaving a contaminated area of the Site must be decontaminated. Decontamination for this operation is achieved through physical removal and chemical detoxification/disinfection/sterilization. The first step in decontamination is prevention. Detailed procedures for personnel and equipment decontamination are provided in Appendix F. The following standard operating procedures were established to minimize contact with wastes:

- Wear disposable clothing;

- Practice work habits that minimize contact with hazardous or potentially hazardous substances;

- Use disposable equipment, where appropriate.

Boots and other potentially contaminated garments that have come in contact with hazardous materials should be cleaned in wash tubs with detergent/water solution and rinsed with water and should remain on-Site. Decontamination waste (e.g. solutions, etc.) resulting from the decontamination of field equipment (e.g., sampling equipment, etc.) will be collected, containerized in tightly-sealed, well-marked drums, characterized, and properly disposed of. Disposable contaminated clothing and equipment will be collected in plastic bags, containerized in tightly-sealed, well-marked drums, and properly disposed of.

9.0 HEALTH AND SAFETY TRAINING AND MEDICAL SURVEILLANCE

The completion of an initial 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training program (or its equivalent) as detailed in OSHA's 29 CFR 1910.120(e) is required for all employees who will perform work in areas where the potential exposure to hazardous substances exists. Annual 8-hour refresher training is also required to maintain

competencies to ensure a safe work environment. In addition to these training requirements, supervisory personnel must also receive eight additional hours of specialized management training. Training records are maintained by the HSM.

The HSO shall inform Langan employees about the activities, procedures, monitoring, and equipment for Site operations (including site and facility layout, chemical and physical hazards, emergency services at the site, and the provisions set forth in the HASP).

9.1 Respirator Fit Testing Requirements

Langan personnel who may be required to perform work activities while wearing a respirator must receive medical clearance to do so consistent with 29 CFR 1910.134(e), Respiratory Protection. Medical evaluations will be performed by, or under the direction of, a physician board-certified in occupational medicine. Langan employees who have medical clearance to wear a respirator and could be potentially exposed to hazardous substances at the Site shall possess a full face-piece, air-purifying respirator and have been successfully quantitative fit-tested within the past year. Results of medical evaluations and quantitative fit-test records are maintained by the HSM.

9.2 Medical Monitoring Requirements

Langan personnel who will be performing work activities involving potential exposure hazardous substances will be required to have passed an initial baseline medical examination, with annual follow-up medical exams thereafter, consistent with 29 CFR 1910.120(f). Medical evaluations will be performed by, or under the direction of, a physician board-certified in occupational medicine.

9.3 Confined Space Entry

Entry into confined space is not anticipated as part of the Remedial Investigation. If a project area were identified as a confined space, entry into this confined space by Langan personnel is prohibited by its own policy.

10.0 HEALTH AND SAFETY PLAN APPROVAL

By their signature, the undersigned certify that this HASP is approved.

Mimi Raygorodetsky, Project Manager (PM) — Date 5/8/13

Tony Moffa, CHMM, Health & Safety Manager (HSM) — Date 5/8/13

Gregory Wyka, Site Health & Safety Officer (HSO) — Date 5/8/13

11.0 HASP COMPLIANCE AGREEMENT

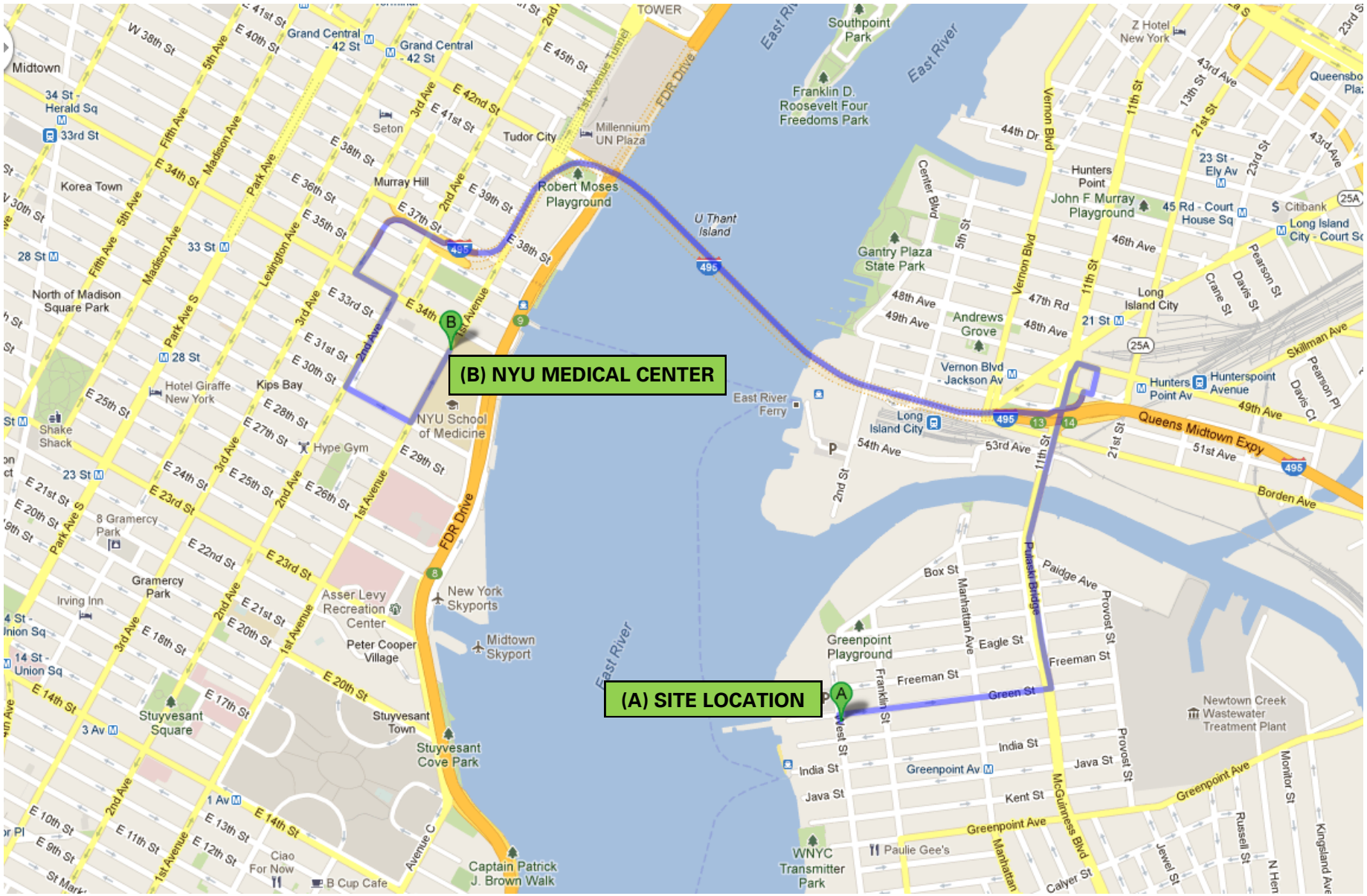
All Langan field personnel and subcontractors who enter the Site will sign this HASP Compliance Agreement to indicate that they are familiar with this HASP and that they understand it and agree to abide by it. A copy of this HASP must be on-site at all times and must be maintained by the HSO.

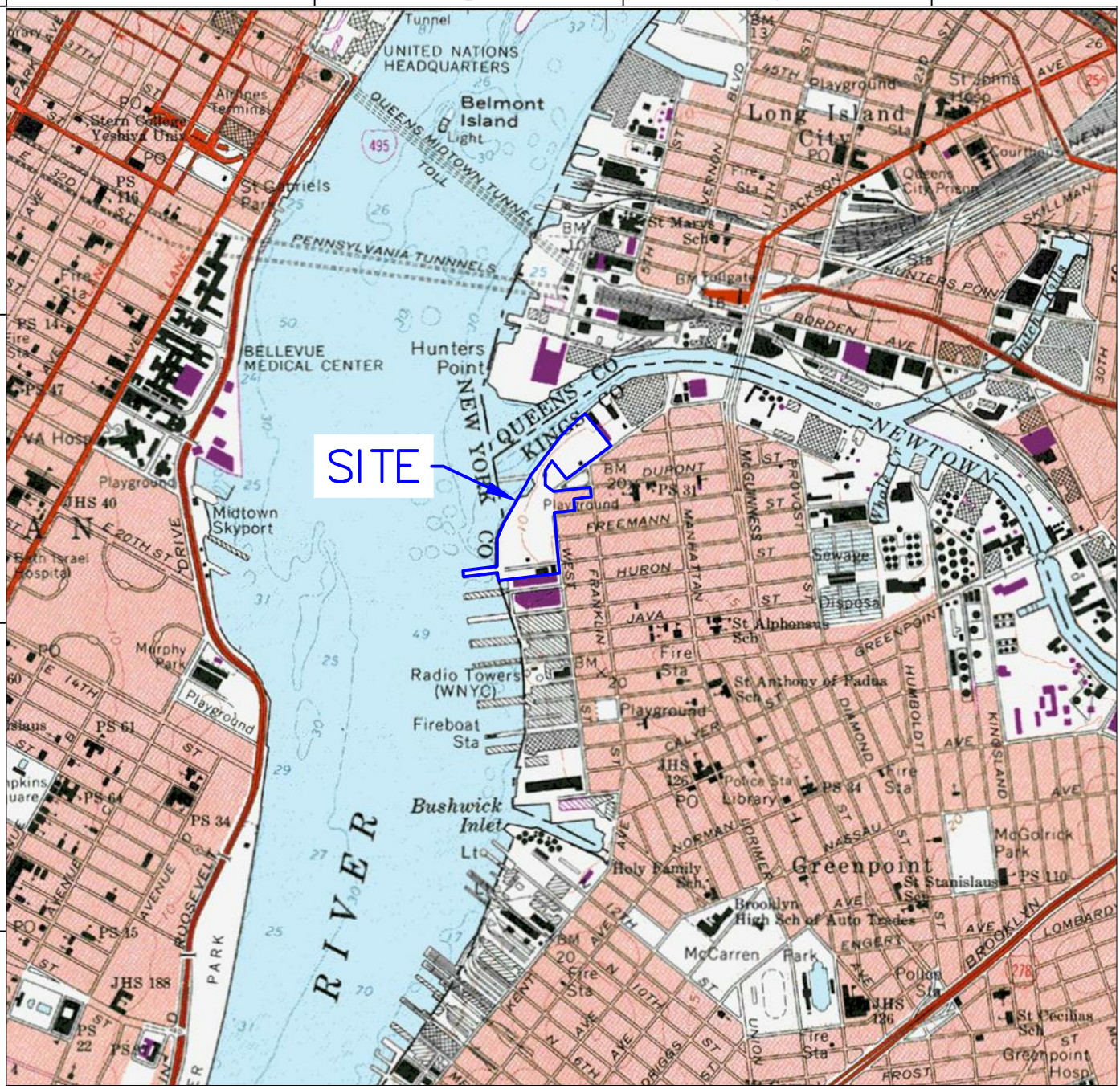
Printed Name	Signature	Affiliation	Date

FIGURES

FIGURE 1

ROUTE MAP TO HOSPITAL (NYU MEDICAL CENTER)





LEGEND

APPROXIMATE SITE BOUNDARY

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

SOURCE: USGS TOPOGRAPHIC QUADRANGLE MAP, BROOKLYN, NY

LANGAN
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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project	Drawing Title	Project No.	Drawing No.
GREENPOINT LANDING BROOKLYN KINGS NEW YORK	SITE LOCATION MAP	170229002	2
		Date 4/30/2013	
		Scale NTS	
		Drawn By GW	
		Submission Date	

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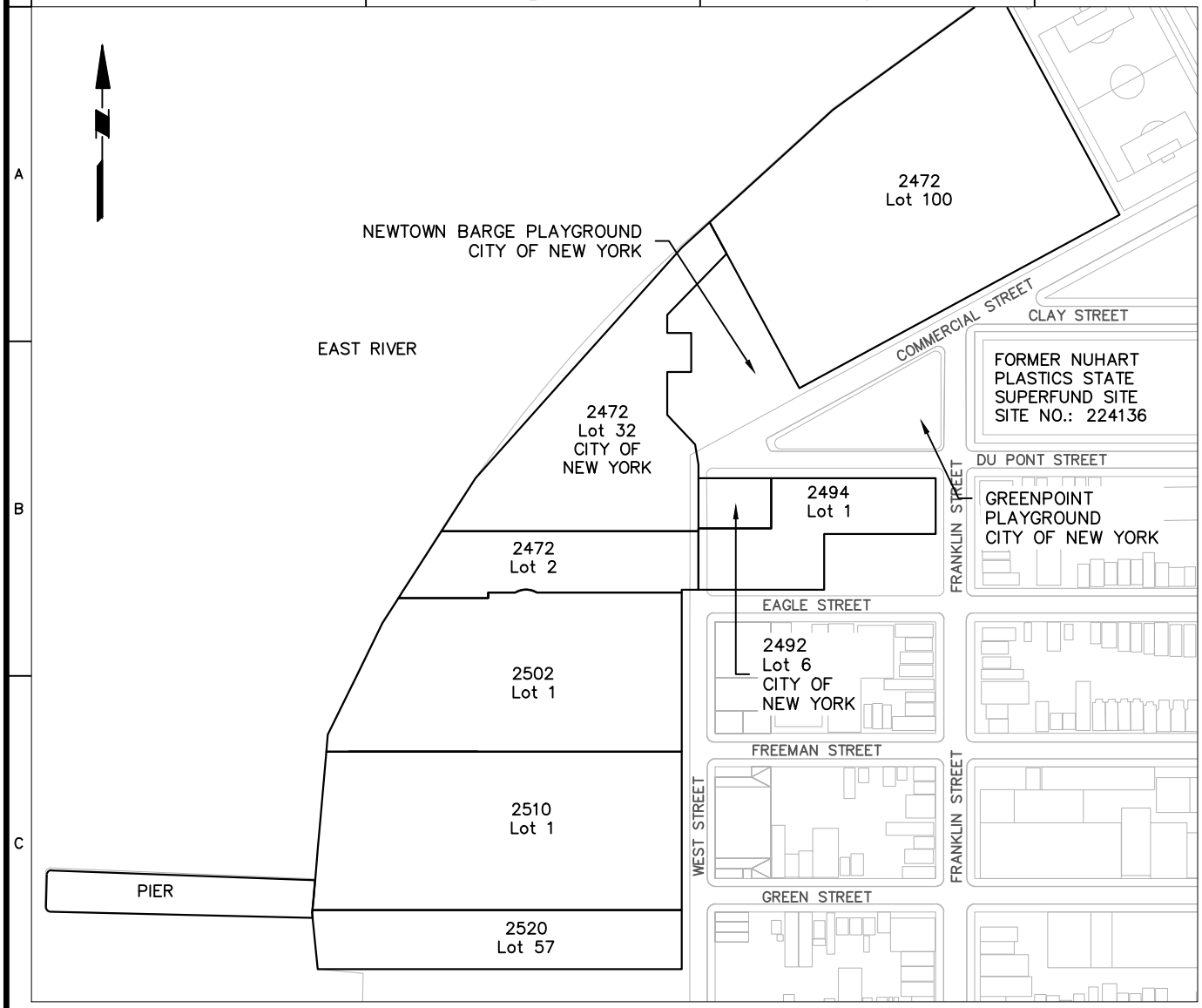
Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-RIWP\Site Location Map\FG01_Site_Location_Map.dwg Date: 5/2/2013 Time: 12:47 User: gwyka Style Table: Langan.stb Layout: ANSIA-BP



LEGEND

APPROXIMATE BLOCK/LOT BOUNDARY

2472
Lot 100 — BLOCK / LOT NUMBER

SOURCE: HANDEL ARCHITECTS, LLP

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

300 0 150 300

SCALE IN FEET

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project: GREENPOINT LANDING

BROOKLYN
KINGS NEW YORK

Drawing Title: CURRENT TAX BLOCKS AND LOTS

Project No. 170229002	Drawing No. 3
Date 4/30/2013	
Scale 1"=300'	
Drawn By GW	
Submission Date	

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Filename: \\langan.com\data\NY\data0\170229001\Cadd Data - 170229001\SheetFiles\Environmental-RIWP\170229001-N-SITE-LAYOUT.dwg Date: 5/9/2013 Time: 09:04 User: gwyka Style Table: Langan.stb Layout: ANSIA-BL

APPENDIX A

EMPLOYEE EXPOSURE / INJURY INDICENT REPORT

INCIDENT REPORT

LANGAN EMPLOYEE EXPOSURE/INJURY INCIDENT REPORT
(Submit a Separate Report for Each Employee and/or Incident)

Date: _____

Employee Name:_____ Employee No:_____

Sex: M _____ F _____ Age: _____

Region: _____ Location:_____

Project: _____ Project No: _____

Incident:_____

Type: Possible Exposure _____ Exposure _____ Physical Injury _____

Location: _____

Date of Incident: _____ Time of Incident: _____

Date of Report Incident: _____

Person(s) to Whom Incident was Reported: _____

Weather Conditions During Incident: Temperature _____ Humidity _____

Wind Speed and Direction: _____ Cloud Cover: _____

Clear: _____ Precipitation: _____

Materials Potentially Encountered: _____

Chemical (give name of description - liquid, solid, gas, vapor, fume, mist):

_____

_____

Radiological:_____

Other: _____

Nature of the Exposure/Injury: (State the nature of the exposure/injury in detail and list the parts of the body affected. Attach extra sheets if necessary).

_____

_____

_____

_____

_____

Did you receive medical care? Yes _____ No _____ If so, when _____

Where? On-Site _____ Off-Site _____

By Whom: Name of Paramedic: _____

Name of Physician: _____

Other: _____

If Off-Site, name facility (hospital, clinic, etc):_____

_____

Length of stay at the facility?_____

Was the Site Safety Officer contacted? Yes _____ No _____ When?_____

Was the Corporate Health and Safety Officer contacted? Yes _____ No _____

If so, who was the contact?_____

Did the exposure/injury result in permanent disability? Yes _____ No _____

If so, explain:_____

_____

_____

_____

Has the employee returned to work? Yes _____ No _____

List the names of other persons affected during this incident:

_____

_____

_____

_____

List the names of persons who witnessed the exposure/injury incident:

_____

_____

_____

_____
_____
_____
_____

Possible cause of the exposure/injury incident: _____

_____
_____
_____
_____
_____

What was the name and title of the field team leader or immediate supervisor at the site of the incident?

_____

Was the operation being conducted under an established Health and Safety Plan?

Yes _____ No _____ If yes, attach a copy. If no, explain

_____
_____
_____
_____

Describe protective equipment and clothing used by the employee:

_____
_____
_____
_____
_____
_____

Did any limitations in safety equipment or protective clothing contribute to or affect exposure? If so, explain:

_____
_____

What was the employee doing when the exposure/injury occurred? (Describe briefly as Site Reconnaissance, Site Characterization, or Sampling, etc.):

_____
_____
_____
_____
_____
_____

Where exactly on site or off site did the exposure/injury occur?

_____

_____

_____

_____

_____

How did the exposure/injury occur? (Describe fully what factors led up to and/or contributed to the incident):

_____

_____

_____

_____

_____

Name of person(s) initiating report, job title, phone number:

_____

_____

_____

_____

_____ _____

Employee Signature Date

_____ _____

Site Safety Officer Signature or Field Team Leader Signature Date

APPENDIX B

MATERIAL SAFETY DATA SHEETS

Material Safety Data Sheet

Version 5.0
Revision Date 08/03/2012
Print Date 05/02/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	4,4′-DDD
Product Number	:	35486
Brand	:	Fluka
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Toxic by ingestion, Harmful by skin absorption., Possible carcinogen.

GHS Classification
Acute toxicity, Dermal (Category 4)
Acute toxicity, Oral (Category 3)
Carcinogenicity (Category 2)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 4)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H301	Toxic if swallowed.
H312	Harmful in contact with skin.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

HMIS Classification

Health hazard:	2
Chronic Health Hazard:	*
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard:	2
Fire:	0
Reactivity Hazard:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	Toxic if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms	:	1,1-Dichloro-2,2-bis(4-chlorophenyl)ethane TDE
Formula	:	$C_{14}H_{10}Cl_4$
Molecular Weight	:	320.04 g/mol

Component		Concentration
2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane		
CAS-No. EC-No.	72-54-8 200-783-0	-

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	94.0 - 96.0 °C (201.2 - 204.8 °F)
Boiling point	193.0 °C (379.4 °F) at 1.3 hPa (1.0 mmHg)
Flash point	no data available
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	< 0.00001 hPa (< 0.00001 mmHg) at 25.0 °C (77.0 °F)

Density	1.38 g/cm3
Water solubility	no data available
Partition coefficient: n-octanol/water	log Pow: 6.02
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - Hamster - > 5,000 mg/kg

TDLo Oral - Human - 428.5 mg/kg
Remarks: Endocrine:Adrenal cortex hypoplasia.

TDLo Oral - rat - 6,000 mg/kg
Remarks: Cardiac:Other changes. Gastrointestinal:Other changes. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli.

TDLo Oral - rat - 14 mg/kg
Remarks: Liver:Changes in liver weight. Endocrine:Estrogenic. Musculoskeletal:Other changes.

TDLo Oral - rat - 2,100 mg/kg
Remarks: Behavioral:Altered sleep time (including change in righting reflex).

Inhalation LC50
no data available

Dermal LD50
LD50 Dermal - rabbit - 1,200 mg/kg
Remarks: Behavioral:Excitement. Behavioral:Convulsions or effect on seizure threshold. Skin irritation

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Toxic if swallowed.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: KI0700000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - other fish - 1.18 - 9 mg/l - 96.0 h
	LC50 - Lepomis macrochirus (Bluegill) - 0.04 - 0.05 mg/l - 96.0 h
	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.06 - 0.09 mg/l - 96.0 h
	LC50 - Pimephales promelas (fathead minnow) - 3.47 - 5.58 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia pulex (Water flea) - 0.01 mg/l - 48 h

Persistence and degradability
no data available

Bioaccumulative potential
Indication of bioaccumulation.

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solids, organic, n.o.s. (2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane)
Reportable Quantity (RQ): 1 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 2811 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane)
Marine pollutant: No

IATA
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solid, organic, n.o.s. (2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane)

15. REGULATORY INFORMATION

OSHA Hazards
Toxic by ingestion, Harmful by skin absorption., Possible carcinogen.

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane	72-54-8	2009-07-17

New Jersey Right To Know Components

	CAS-No.	Revision Date
2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane	72-54-8	2009-07-17

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause cancer. 2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane	72-54-8	

16. OTHER INFORMATION

Further information
Copyright 2012 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Material Safety Data Sheet

Version 5.0
Revision Date 10/26/2012
Print Date 05/02/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	4,4′-DDE
Product Number	:	35487
Brand	:	Fluka
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Carcinogen, Harmful by ingestion.

GHS Classification
Acute toxicity, Oral (Category 4)
Carcinogenicity (Category 2)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 4)

GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)

H302	Harmful if swallowed.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P273	Avoid release to the environment.
P281	Use personal protective equipment as required.

HMIS Classification

Health hazard:	1
Chronic Health Hazard:	*
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard:	1
Fire:	0

Reactivity Hazard: 0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	Harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 1,1-Dichloro-2,2-bis(4-chlorophenyl)ethene

Formula : $C_{14}H_8Cl_4$

Molecular Weight : 318.03 g/mol

Component		Concentration
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene		
CAS-No.	72-55-9	-
EC-No.	200-784-6	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	88.0 - 90.0 °C (190.4 - 194.0 °F)
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	< 0.00001 hPa (< 0.00001 mmHg)
Density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	log Pow: 6.51
Relative vapour	no data available

density	
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Strong oxidizing agents, Strong bases

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - rat - 880.0 mg/kg

Inhalation LC50
no data available

Dermal LD50
no data available

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity

no data available

Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Harmful if swallowed.
Skin	Harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: Not available

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Lepomis macrochirus (Bluegill) - 0.2 - 0.3 mg/l - 96.0 h
	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.03 - 0.04 mg/l - 96.0 h
	LC50 - Salmo salar (Atlantic salmon) - 0.05 - 0.18 mg/l - 96.0 h

Persistence and degradability
no data available

Bioaccumulative potential

Bioaccumulation	Gambusia affinis (Mosquito fish) - 33 d Bioconcentration factor (BCF): 12,037

Mobility in soil
no data available

PBT and vPvB assessment

no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)
Reportable Quantity (RQ): 1 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)
Marine pollutant: Marine pollutant

IATA
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)

15. REGULATORY INFORMATION

OSHA Hazards
Carcinogen, Harmful by ingestion.

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	72-55-9	2009-07-17

New Jersey Right To Know Components

	CAS-No.	Revision Date
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	72-55-9	2009-07-17

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause cancer. 2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	72-55-9	2010-06-11

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. 2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	CAS-No. 72-55-9	Revision Date 2010-06-11

16. OTHER INFORMATION

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Material Safety Data Sheet

Version 5.0
Revision Date 10/11/2012
Print Date 05/02/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	4,4′-DDT
Product Number	:	386340
Brand	:	Aldrich
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Carcinogen, Toxic by ingestion, Toxic by skin absorption

Target Organs

Liver, Pancreas.

GHS Classification
Acute toxicity, Dermal (Category 3)
Acute toxicity, Oral (Category 3)
Carcinogenicity (Category 2)
Specific target organ toxicity - repeated exposure, Oral (Category 1)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 4)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H301 + H311	Toxic if swallowed or in contact with skin
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P314	Get medical advice/ attention if you feel unwell.

HMIS Classification

Health hazard:	2
Chronic Health Hazard:	*
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard:	2
Fire:	2
Reactivity Hazard:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	Toxic if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	Toxic if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms	:	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane 1,1-Bis(4-chlorophenyl)-2,2,2-trichloroethane
Formula	:	$C_{14}H_9Cl_5$
Molecular Weight	:	354.49 g/mol

Component		Concentration
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane		
CAS-No. EC-No. Index-No.	50-29-3 200-024-3 602-045-00-7	-

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Not flammable or combustible.

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	TWA	0.5 mg/m3	USA. NIOSH Recommended Exposure Limits
Remarks	Potential Occupational Carcinogen See Appendix A			
		TWA	1 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
	Liver damage Confirmed animal carcinogen with unknown relevance to humans			
		TWA	1 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
	Skin notation			
		TWA	1 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	Skin designation Substance listed; for more information see OSHA document 1910.1044			

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Immersion protection
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: > 480 min
Material tested:Dermatril® (Aldrich Z677272, Size M)

Splash protection
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: > 30 min
Material tested:Dermatril® (Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	Melting point/range: 107 - 110 °C (225 - 230 °F) - lit.
Boiling point	260.0 °C (500.0 °F)
Flash point	72.0 - 77.0 °C (161.6 - 170.6 °F)
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	0.0000021 hPa (0.0000016 mmHg) at 20.0 °C (68.0 °F)
Density	0.99 g/cm3
Water solubility	no data available
Partition coefficient: n-octanol/water	log Pow: 6.91
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Oxidizing agents, Iron and iron salts.

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - rat - 87.0 mg/kg

Inhalation LC50
no data available

Dermal LD50
LD50 Dermal - rabbit - 300.0 mg/kg
Remarks: Behavioral:Tremor. Behavioral:Muscle weakness. Behavioral:Ataxia.

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity

no data available

Carcinogenicity

Limited evidence of carcinogenicity in animal studies

NTP:	Reasonably anticipated to be a human carcinogen (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
Ingestion - Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Toxic if swallowed.
Skin	Toxic if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
CNS stimulation.

Synergistic effects
no data available

Additional Information
RTECS: KJ3325000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 0.01 mg/l - 96.0 h
	LC50 - Lepomis macrochirus (Bluegill) - 0.01 mg/l - 96.0 h
	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.003400 mg/l - 96.0 h
	LOEC - Oncorhynchus mykiss (rainbow trout) - 150 mg/l - 3.0 d
	NOEC - Oncorhynchus mykiss (rainbow trout) - 113 mg/l - 3.0 d
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 0.00108 mg/l - 48 h
Toxicity to algae	LC100 - Scenedesmus quadricauda (Green algae) - > 20 mg/l - 7 d

Persistence and degradability

Bioaccumulative potential

Bioaccumulation	Oncorhynchus mykiss (rainbow trout) - 20 d Bioconcentration factor (BCF): 46,670

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solids, organic, n.o.s. (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
Reportable Quantity (RQ): 1 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 2811 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
Marine pollutant: Marine pollutant

IATA
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solid, organic, n.o.s. (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)

15. REGULATORY INFORMATION

OSHA Hazards
Carcinogen, Toxic by ingestion, Toxic by skin absorption

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	2007-03-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	2007-03-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	2007-03-01

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause cancer. 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	1990-06-15

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	1990-06-15

16. OTHER INFORMATION

Further information
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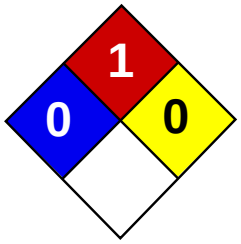
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.



Health	0
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Anthracene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Anthracene

Catalog Codes: SLA3670

CAS#: 120-12-7

RTECS: CA9350000

TSCA: TSCA 8(b) inventory: Anthracene

CI#: Not available.

Synonym:

Chemical Formula: C14H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Anthracene	120-12-7	100

Toxicological Data on Ingredients: Anthracene LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of inhalation. Hazardous in case of skin contact (permeator), of ingestion. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Very hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of inhalation. Hazardous in case of skin contact (permeator), of ingestion. CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Clear evidence.) by NTP, + (Proven.) by OSHA. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 540°C (1004°F)

Flash Points: CLOSED CUP: 121°C (249.8°F).

Flammable Limits: LOWER: 0.6%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Slight.

Taste: Not available.

Molecular Weight: 178.22 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 342°C (647.6°F)

Melting Point: 218°C (424.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.25 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 6.15 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Clear evidence.) by NTP, + (Proven.) by OSHA. Causes damage to the following organs: kidneys, lungs, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant, sensitizer), of inhalation. Hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Anthracene Massachusetts RTK: Anthracene TSCA 8(b) inventory: Anthracene SARA 313 toxic chemical notification and release reporting: Anthracene CERCLA: Hazardous substances.: Anthracene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R38- Irritating to skin. R41- Risk of serious damage to eyes. R43- May cause sensitization by skin contact. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 0

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/11/2005 11:19 AM

Last Updated: 06/09/2012 12:00 PM

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[illegible]

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the Federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

[illegible]

Acute Health Effects
The following acute (short-term) health effects may occur immediately or shortly after exposure to **Antimony**:

- Contact can irritate the skin and eyes. Prolonged or repeated contact may cause redness and itchy skin rash (dermatitis).
- Inhaling **Antimony** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
- Exposure to **Antimony** can cause headache, dizziness, nausea and vomiting, abdominal pain, and loss of sleep.

Chronic Health Effects
The following chronic (long-term) health effects can occur at some time after exposure to **Antimony** and can last for months or years:

Cancer Hazard
- According to the information presently available to the New Jersey Department of Health and Senior Services, **Antimony** has been tested and has not been shown to cause cancer in animals.

Reproductive Hazard
- There is limited evidence that **Antimony** may affect female fertility.

Other Effects
- Inhaling **Antimony** can cause an ulcer or a hole in the (bone) septum (dividing the inner nose, sometimes with bleeding, discharge, and/or formation of a crust.
- Repeated exposure can affect the lungs, cause an abnormal chest X-ray to develop, and lead to permanent lung damage.
- **Antimony** may damage the liver and kidneys and may affect the heart.

[illegible]

Medical Testing
For frequent or potentially high exposure (half the PEL or greater), the following is recommended before beginning work and at regular times after that:

- Urine test for **Antimony**

If symptoms develop or overexposure is suspected, the following are recommended:

- Chest X-ray and lung function tests
- Liver and kidney function tests
- EKG

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

You have a legal right to request copies of your medical testing under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures
- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **Antimony**.

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Very to□ic chemicals, or those that are reproductive hazards or sensitizers, re□uire e□pert advice on control measures i□a less to□ic chemical cannot be substituted. Control measures include: □1□enclosing chemical processes □or severely irritating and corrosive chemicals, □2□using local e□haust ventilation □or chemicals that may be harm□ul with a single e□posure, and □3□using general ventilation to control e□posures to skin and eye irritants. For □urther in□ormation on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The □ollowing work practices are also recommended:

- Label process containers.
- Provide employees with hazard in□ormation and training.
- Monitor airborne chemical concentrations.
- Use engineering controls i□concentrations e□ceed recommended e□posure levels.
- Provide eye wash □ountains and emergency showers.
- Wash or shower i□skin comes in contact with a hazardous material.
- Always wash at the end o□the workshi□t.
- Change into clean clothing i□clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands care□ully be□ore eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the □ollowing may be use□ul or re□uired:

- Be□ore entering a con□ined space where **Antimony** *powder* and *dust* may be present, check to make sure that an e□plosive concentration does not e□ist.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high e□iciency particulate air □HEPA□□ilter when vacuuming. Do not use a standard shop vacuum.

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The OSHA Personal Protective E□uipment Standard □29 CFR 1910.132□re□uires employers to determine the appropriate personal protective e□uipment □or each hazard and to train employees on how and when to use protective e□uipment.

The □ollowing recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Antimony**. Wear personal protective e□uipment made □rom material that can not be permeated or degraded by this substance. Sa□ety e□uipment suppliers and manu□acturers can provide recommendations on the most protective glove and clothing material □or your operation.
- The recommended glove materials □or **Antimony** are Nitrile, Neoprene and Natural Rubber.
- The recommended protective clothing material □or **Antimony** is Tyvek□ or the e□uivalent.
- All protective clothing □suits, gloves, □ootwear, headgear□ should be clean, available each day, and put on be□ore work.

Eye Protection

- Wear direct vent goggles when airborne particles or dust are present.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used i□the employer has implemented a written program that takes into account workplace conditions, re□uirements □or worker training, respirator □it testing, and medical e□ams, as described in the OSHA Respiratory Protection Standard □29 CFR 1910.134□. **Only NIOSH approved respirators should be used.**

- Where the potential e□ists □or e□posure over **0.5 mg/m^3**, use a negative pressure, air-puri□ying, particulate □ilter respirator with an N, R or P95 □ilter. More protection is provided by a □ull □acepiece respirator than by a hal□-mask respirator, and even greater protection is provided by a powered-air puri□ying respirator.
- Leave the area immediately i□□1□while wearing a □ilter or cartridge respirator you can smell, taste, or otherwise detect **Antimony**, □2□while wearing particulate □ilters abnormal resistance to breathing is e□perienced, or □3□eye irritation occurs while wearing a □ull □acepiece respirator. Check to make sure the respirator-to-□ace seal is still good. I□□it is, replace the □ilter or cartridge. I□the seal is no longer good, you may need a new respirator.
- Consider all potential sources o□e□posure in your workplace. You may need a combination o□□ilters, pre□ilters or cartridges to protect against di□□erent □orms o□a chemical □such as vapor and mist□or against a mi□□ture o□chemicals.
- Where the potential e□ists □or e□posure over **5 mg/m^3**, use a supplied-air respirator with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an au□iliary sel□-contained breathing apparatus or an emergency escape air cylinder.
- E□posure to **50 mg/m^3** is immediately dangerous to li□e and health. I□the possibility o□e□posure above **50 mg/m^3** e□ists, use a sel□-contained breathing apparatus with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode e□uipped with an emergency escape air cylinder.

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I□employees are e□pected to □ight □ires, they must be trained and e□uipped as stated in the OSHA Fire Brigades Standard □29 CFR 1910.156□.

- **Antimony** is not combustible in bulk □orm. However, **Antimony** *powder* and *dust* may be COMBUSTIBLE.
- Use sand, dry chemical, CO_2, water spray or □oam as e□tinguishing agents.
- DO NOT USE WATER on *molten* **Antimony**.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Antimony Oxide* and *Antimony Hydride* □*Stibine*□.
- **Antimony** may □orm an ignitable dust/air mi□□ture in closed tanks or containers.
- *Finely dispersed* **Antimony** *powder* and *dust* may □orm e□plosive mi□□tures in air.

[illegible]

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Antimony** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten *solid* spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Antimony** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the Federal Environmental Protection Agency (EPA) for specific recommendations.

[illegible]

Prior to working with **Antimony** you should be trained on its proper handling and storage.

- **Antimony** reacts violently with HALOGENS (such as FLUORINE, CHLORINE and BROMINE) and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) to cause fires and explosions.
- Contact with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) and (freshly formed (nascent) HYDROGEN can also form toxic *Antimony Hydride (Stibine) gas*.
- **Antimony** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, and NITRATES), STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE), IODINE, and POWDERED METALS.
- Store in tightly closed containers in a cool, well-ventilated area.
- Sources of ignition, such as smoking and open flames, are prohibited where **Antimony** *powder* is used, handled, or stored.
- Ground and bond containers when transferring **Antimony** *powder.*
- Use only non-sparking tools and equipment, especially when opening and closing containers of **Antimony** *powder*.

[illegible]

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **critical temperature** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Emergency Responders Quick Reference

R rd

Common Name: **ANTIMONY**

Synonyms: Antimony Metal Antimony Powder
CAS No: 7440-36-0
Molecular Formula: Sb
RT Substance No: 0141
Description: Naturally occurring, silvery-white, hard, brittle metal that is also ormed rom smelting *Lead* and other metals

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Hazard Rating	Firefighting	Reactivity
2 - Health **2 - Fire** **0 - Reactivity** **DOT#:** UN 2871 **ERG Guide #:** 170 **Hazard Class:** 6.1 Toic	**Antimony** is not combustible in bulk orm. However, **Antimony** *powder* and *dust* may be COMBUSTIBLE. Use sand, dry chemical, CO_2, water spray or oam as e tinguishing agents. DO NOT USE WATER on *molten* **Antimony**. POISONOUS GASES ARE PRODUCED IN FIRE, including *Antimony Oxide* and *Antimony Hydride Stibine* **Antimony** may orm an ignitable dust/air mi ture in closed tanks or containers. *Finely dispersed* **Antimony** *powder* and *dust* may orm e plosive mi tures in air.	**Antimony** reacts violently with HALOGENS such as FLUORINE, CHLORINE and BROMINE and STRONG ACIDS such as HYDROCHLORIC, SULFURIC and NITRIC to cause ires and e plosions. Contact with STRONG ACIDS such as HYDROCHLORIC, SULFURIC and NITRIC and reshly ormed nascent HYDROGEN can also orm toic *Antimony Hydride Stibine) gas*. **Antimony** is not compatible with O IDI ING AGENTS such as PERCHLORATES, PERO IDES, PERMANGANATES, CHLORATES, and NITRATES STRONG BASES such as SODIUM HYDRO IDE and POTASSIUM HYDRO IDE IODINE and POWDERED METALS.

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Isolation Distance:

Spill: 25 meters 75 eet

Fire: 800 meters 1/2 mile

Moisten *solid* spilled material irst or use a HEPA-ilter vacuum or clean-up and place into sealed containers or disposal.

Ground and bond containers when trans erring **Antimony** *powder*.

Use only non-sparking tools and e uipment.

DO NOT wash into sewer.

I A R R I

Flash Point:	Noncombustible *bulk form* Combustible *powder* and *dust*
Vapor Pressure:	1 mm Hg at 1,627°F 886°C
Specific Gravity:	6.69 water 1
Water Solubility:	Insoluble
Boiling Point:	2,975°F 1,635°C
Melting Point:	1,166°F 630°C
Molecular Weight:	121.8

R IMI

OSHA: 0.5 mg/m^3, 8-hr TWA
NIOSH: 0.5 mg/m^3, 10-hr TWA
ACGIH: 0.5 mg/m^3, 8-hr TWA
IDLH: 50 mg/m^3

The Protective Action Criteria values are:
PAC-1 1.5 mg/m^3 PAC-2 20 mg/m^3
PAC-3 50 mg/m^3

R I M N

Gloves:	Nitrile, Neoprene and Natural Rubber
Coveralls:	Tyvek
Respirator:	Spill or 0.5 mg/m^3: ull acepiece APR with *P100 filters* Fire or 5 mg/m^3: SCBA

A

Eyes:	Irritation
Skin:	Irritation, redness and itchy skin rash
Inhalation:	Nose, throat and lung irritation, with coughing, wheezing and shortness o breath Headache, dizziness, nausea, vomiting, and abdominal pain

IR AI AN N AMINA I N

Remove the person rom e posure.

Flush eyes with large amounts o water or at least 15 minutes. Remove contact lenses.

Quickly remove contaminated clothing and wash contaminated skin with large amounts o soap and water.

Begin arti icial respiration i breathing has stopped and CPR i necessary.

Transfer promptly to a medical acility.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **ARSENIC**

Synonyms: Gray Arsenic; Arsen

Chemical Name: Arsenic

Date: June 1998 Revision: April 2008

CAS Number: 7440-38-2

RTK Substance Number: 0152

DOT Number: UN 1558

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Description and Use

Arsenic is a silver-gray or white metallic, odorless, brittle solid. It is used as an alloying agent for heavy metals, and in solders, medicines and herbicides.

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	4	-
FLAMMABILITY	0	-
REACTIVITY	0	-
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

Reasons for Citation

- **Arsenic** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, NTP, DEP, IARC, IRIS and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

- **Arsenic** can affect you when inhaled and may be absorbed through the skin.
- **Arsenic** is a CARCINOGEN and may cause reproductive damage. HANDLE WITH EXTREME CAUTION.
- Skin contact can cause irritation, burns, rash and loss of pigment
- Eye contact can cause irritation and burns.
- Inhaling **Arsenic** can irritate the nose and throat and can cause an ulcer or hole in the "bone" (septum) dividing the inner nose.
- Exposure to **Arsenic** can cause weakness, poor appetite, nausea, vomiting, headache, and even death.
- **Arsenic** may damage the nervous system and the liver.
- **Arsenic** is a noncombustible solid, but when in *dust* or *fine powder* form it can EXPLODE when exposed to heat, flame or hot surfaces.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing. Seek medical attention.

Skin Contact

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Inhalation

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.01 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.002 mg/m^3**, which should not be exceeded at any time.

ACGIH: The threshold limit value (TLV) is **0.01 mg/m^3** averaged over an 8-hour workshift.

- **Arsenic** is a CARCINOGEN in humans. There may be <u>no</u> safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Arsenic**:

- Skin contact can cause irritation, burns, rash and loss of pigment.
- Eye contact can cause irritation, burns and red, watery eyes.
- Inhaling **Arsenic** can irritate the nose and throat causing coughing and wheezing.
- Exposure to **Arsenic** can cause weakness, poor appetite, nausea, vomiting, headache, muscle cramps and even death.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Arsenic** and can last for months or years:

Cancer Hazard

- **Arsenic** is a CARCINOGEN in humans. It has been shown to cause skin and lung cancer.
- Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

- Chronic **Arsenic** exposure has been associated with spontaneous abortions and still births.
- There is limited evidence that **Arsenic** is a teratogen in animals. Until further testing has been done, it should be treated as a possible teratogen in humans.

Other Effects

- Repeated skin contact can cause thickened skin and/or patchy areas of darkening and loss of pigment. Some persons may develop white lines on the nails.
- Long-term exposure can cause an ulcer or hole in the "bone" (septum) dividing the inner nose, hoarseness and sore eyes.
- **Arsenic** may damage the nervous system causing numbness, "pins and needles," and/or weakness in the hands and feet.
- **Arsenic** may damage the liver.

Medical

Medical Testing

Before first exposure and every 12 months thereafter, OSHA requires your employer to provide (for persons exposed to greater than **0.005 mg/m^3** of *Arsenic*) a work and medical history and exam which shall include:

- Chest x-ray
- Exam of the nose, skin and nails
- Test for urine **Arsenic**. This is most accurate at the end of the workday. Eating shellfish or fish may elevate **Arsenic** levels for up to two days. At NIOSH recommended exposure levels, urine **Arsenic** should not be greater than **100 micrograms per liter** of urine.

After suspected overexposure, repeat these tests and consider exam of the nervous system and liver function tests. Also examine your skin periodically for abnormal growth. Skin cancer from **Arsenic** can be easily cured when detected early.

OSHA requires your employer to provide you and your doctor with a copy of the OSHA *Inorganic Arsenic* Standard (29 CFR 1910.1018).

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures

- More than light alcohol consumption can cause liver damage. Drinking alcohol may increase the liver damage caused by **Arsenic**.

Conditions Made Worse By Exposure

- May scientists believe that skin changes such as thickening and pigment changes make those skin areas more likely to develop skin cancer.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Specific engineering controls are required for this chemical by OSHA. Refer to the OSHA *Inorganic Arsenic* Standard (29 CFR 1910.1018).
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high efficiency particulate air (HEPA) filter when vacuuming. Do not use a standard shop vacuum.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Arsenic**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend *Nitrile*, *Natural Rubber* or *Silver Shield®* for gloves and DuPont *Tyvek®*, or the equivalent, as protective materials for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear impact resistant eye protection with side shields.
- Wear a face shield with goggles when working with corrosive, high irritating or toxic substance.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure not higher than **0.1 mg/m^3**, use a half-mask air purifying respirator equipped with high efficiency filters.
- Where the potential exists for exposure not higher than **0.5 mg/m^3**, use a full facepiece, air purifying respirator with high efficiency filters.
- Where the potential exists for exposure not higher than **5 mg/m^3**, use any powered-air purifying respirator with high efficiency filters or a half-mask supplied-air respirator operated in a positive pressure mode.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Arsenic**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Exposure to **5 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **5 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Arsenic** is noncombustible, however, **Arsenic** *dust* or *fine powder* can explode when exposed to heat, flame or hot surfaces.
- Use dry chemical, CO_2, water spray or foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Arsenic Oxides*.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Arsenic** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Collect powdered material in the most convenient and safe manner, or use a HEPA-filter vacuum for clean-up, and deposit in sealed containers.
- Ventilate area of spill after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Arsenic** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Arsenic** you should be trained on its proper handling and storage.

- A regulated, marked area should be established where **Arsenic** is handled, used or stored as required by the OSHA *Inorganic Arsenic* Standard (29 CFR 1910.1018).
- **Arsenic** reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) to cause fires and explosions.
- **Arsenic** reacts with ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) and HYDROGEN GAS to produce toxic *Arsine gas*.
- **Arsenic** is not compatible with *powdered* METALS (such as ZINC, LITHIUM, RUBIDIUM and PLATINUM); BROMINE AZIDE; LEAD MONOXIDE; and MERCURY OXIDE.
- Store in tightly closed containers in a cool, well-ventilated area away from COMBUSTIBLES and HEAT.
- DO NOT store in metal tanks.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values are intended to provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database maintained by federal EPA. The database contains information on human health effects that may result from exposure to various chemicals in the environment.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

Common Name: **ARSENIC**

Synonyms: Gray Arsenic; Arsen
CAS No: 7440-38-2
Molecular Formula: As
RTK Substance No: 0152
Description: Silver-gray or white metallic, odorless, brittle solid

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
4 - Health **0 - Fire** **0 - Reactivity** **DOT#:** UN 1558 **ERG Guide #:** 152 **Hazard Class:** 6.1 (Poison)	**Arsenic** is noncombustible, however, *Arsenic dust* or *fine powder* can explode when exposed to heat, flame or hot surfaces. Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including *Arsenic Oxides.* Use water spray to keep fire-exposed containers cool.	**Arsenic** reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) to cause fires and explosions. **Arsenic** reacts with ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) and HYDROGEN GAS to produce toxic *Arsine gas.* **Arsenic** is not compatible with *powdered* METALS (such as ZINC, LITHIUM, RUBIDIUM and PLATINUM); BROMINE AZIDE; LEAD MONOXIDE; and MERCURY OXIDE.

SPILL/LEAKS

Isolation Distance:

Spills: 25 to 50 meters (75 to 150 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up.

DO NOT wash into sewer.

Toxic to aquatic organisms.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Noncombustible solid
Vapor Pressure:	1 mm Hg at 701°F (372°C)
Specific Gravity:	5.7 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	1,350°F (613°C)
Ionization Potential:	9.87 eV
Molecular Weight:	74.9

EXPOSURE LIMITS

OSHA:	0.01 mg/m^3, 8-hr TWA
NIOSH:	0.002 mg/m^3, 15-min Ceiling
ACGIH:	0.01 mg/m^3, 8-hr TWA
IDLH:	5 mg/m^3

PROTECTIVE EQUIPMENT

Gloves:	Natural Rubber, Nitrile or Silver Shield®
Coveralls:	DuPont Tyvek®
Respirator:	<0.1 mg/m^3 - Full facepiece APR with High efficiency filter <0.5 mg/m^3 -Supplied air

HEALTH EFFECTS

Eyes:	Irritation, burns, red and watery eyes
Skin:	Irritation, burns, itching, rash and loss of pigment
Inhalation:	Nose and throat irritation with coughing, wheezing and hoarseness Weakness, headache, nausea, vomiting, and muscle cramps
Chronic:	Cancer (skin and lung) in humans

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer to a medical facility.

International Chemical Safety Cards

BARIUM

ICSC: 1052

BARIUM
Ba
Atomic mass: 137.3

CAS # 7440-39-3
RTECS # CQ8370000
ICSC # 1052
UN # 1400

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Flammable.	NO open flames.	Special powder, dry sand, NO hydrous agents, NO water.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	
EXPOSURE		PREVENT DISPERSION OF DUST! STRICT HYGIENE!	
• **INHALATION**	Cough. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
• **SKIN**	Redness.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
• **EYES**	Redness. Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• **INGESTION**		Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Sweep spilled substance into containers. Carefully collect remainder, then remove to safe place (extra personal protection: complete protective clothing including self-contained breathing apparatus).	Separated from halogenated solvents, strong oxidants, acids. Dry. Keep under inert gas, petroleum or oxygen-free liquid.	UN Hazard Class: 4.3 UN Packing Group: II

SEE IMPORTANT INFORMATION ON BACK

ICSC: 1052

Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities © IPCS CEC 1993

International Chemical Safety Cards

BARIUM

ICSC: 1052

IMPORTANT DATA	**PHYSICAL STATE; APPEARANCE:** YELLOWISH TO WHITE LUSTROUS SOLID IN VARIOUS FORMS. **PHYSICAL DANGERS:** **CHEMICAL DANGERS:** The substance may spontaneously ignite on contact with air (if in powder form). The substance is a strong reducing agent and reacts violently with oxidants and acids. Reacts with water, forming combustible gas (hydrogen - see ICSC # 0001) and barium hydroxide. Reacts violently with halogenated solvents causing fire and explosion hazard. **OCCUPATIONAL EXPOSURE LIMITS (OELs):** TLV: ppm; 0.5 mg/m^3 (as TWA) (ACGIH 1992-1993).	**ROUTES OF EXPOSURE:** The substance can be absorbed into the body by ingestion. **INHALATION RISK:** **EFFECTS OF SHORT-TERM EXPOSURE:** The substance irritates the eyes, the skin, and the respiratory tract. **EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:**
PHYSICAL PROPERTIES	Boiling point: 1640°C Melting point: 725°C Relative density (water = 1): 3.6	Solubility in water: reaction Vapour pressure, kPa at 1049°C: 1.3
ENVIRONMENTAL DATA		

NOTES

Reacts violently with fire extinguishing agents such as water, bicarbonate, powder, foam, and carbon dioxide. Rinse contaminated clothes (fire hazard) with plenty of water.

Transport Emergency Card: TEC (R)-43G14

ADDITIONAL INFORMATION

ICSC: 1052 **BARIUM**

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Material Safety Data Sheet
Benzene

ACC# 02610

Section 1 - Chemical Product and Company Identification

MSDS Name: Benzene
Catalog Numbers: AC167660000, AC167660010, AC167660025, AC167660250, AC167665000, AC168650250, AC295330000, AC295330010, AC295330025, AC295330250, AC296880000, AC296880010, AC296880025, AC296880250, AC610230010, AC610231000, AC611001000, B243-4, B245-4, B245-500, B411-1, B411-4, B412-1, S79920ACS
Synonyms: Benzol; Cyclohexatriene; Phenyl hydride.
Company Identification:
Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
71-43-2	Benzene	> 99	200-753-7

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear colorless liquid. Flash Point: -11 deg C.
Danger! Extremely flammable liquid and vapor. Vapor may cause flash fire. Harmful if swallowed, inhaled, or absorbed through the skin. Causes eye, skin, and respiratory tract irritation. Contains benzene. Benzene can cause cancer. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause blood abnormalities. May cause central nervous system effects.
Target Organs: Blood, central nervous system, respiratory system, eyes, bone marrow, immune system, skin.

Potential Health Effects

Eye: Causes eye irritation.
Skin: Causes skin irritation. Harmful if absorbed through the skin. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.
Ingestion: May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause effects similar to those for inhalation exposure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Causes respiratory tract irritation. May cause drowsiness, unconsciousness, and

central nervous system depression. Exposure may lead to irreversible bone marrow injury. Exposure may lead to aplastic anemia. Potential symptoms of overexposure by inhalation are dizziness, headache, vomiting, visual disturbances, staggering gait, hilarity, fatigue, and other symptoms of CNS depression.
Chronic: May cause bone marrow abnormalities with damage to blood forming tissues. May cause anemia and other blood cell abnormalities. Chronic exposure to benzene has been associated with an increased incidence of leukemia and multiple myeloma (tumor composed of cells of the type normally found in the bone marrow). Immunodepressive effects have been reported. This substance has caused adverse reproductive and fetal effects in laboratory animals.

Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.
Skin: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
Ingestion: Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Extremely flammable liquid and vapor. Vapor may cause flash fire. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: -11 deg C (12.20 deg F)
Autoignition Temperature: 498 deg C (928.40 deg F)
Explosion Limits, Lower:1.3 vol %
Upper: 7.1 vol %
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Provide ventilation. Approach spill from upwind. Use water spray to cool and disperse vapors, protect personnel, and dilute spills to form nonflammable mixtures.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Take precautionary measures against static discharges. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat, sparks and flame. Avoid breathing vapor.
Storage: Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. See 29CFR 1910.1028 for the regulatory requirements for the control of employee exposure to benzene.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzene	0.5 ppm TWA; 2.5 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous r oute	0.1 ppm TWA 500 ppm IDLH	1 ppm TWA; 10 ppm TWA (applies to industry segments exempt from the benzene stan dard at 29 CFR 1910.1028); 25 ppm Ceiling (applies to industry segments exempt from the 1 ppm TWA and 5 ppm STEL of th e benzene standard); 0.5 ppm Action Level; 1 ppm TWA; 5 ppm STEL (Cancer hazard, Flammable - see 29 C FR 1910.1028)

OSHA Vacated PELs: Benzene: 10 ppm TWA (unless specified in 1910.1028)
Personal Protective Equipment
Eyes: Wear chemical splash goggles.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: clear colorless
Odor: sweetish odor - aromatic odor
pH: Not applicable.
Vapor Pressure: 75 mm Hg @ 20 deg C
Vapor Density: 2.8 (air=1)
Evaporation Rate: Not available.
Viscosity: 0.647mPa @ 20 deg C
Boiling Point: 80.1 deg C
Freezing/Melting Point:5.5 deg C
Decomposition Temperature: Not available.
Solubility: 0.180 g/100 ml @ 25°C
Specific Gravity/Density:0.8765 @ 20°C
Molecular Formula:C6H6
Molecular Weight:78.11

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Ignition sources, excess heat, confined spaces.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 71-43-2: CY1400000
LD50/LC50:
CAS# 71-43-2:
Dermal, guinea pig: LD50 = >9400 uL/kg;
Draize test, rabbit, eye: 88 mg Moderate;
Draize test, rabbit, eye: 2 mg/24H Severe;
Draize test, rabbit, skin: 20 mg/24H Moderate;
Inhalation, mouse: LC50 = 9980 ppm;
Inhalation, mouse: LC50 = 24 mL/kg/2H;
Inhalation, rat: LC50 = 10000 ppm/7H;
Inhalation, rat: LC50 = 34 mL/kg/2H;
Inhalation, rat: LC50 = 6.5 mL/kg/4H;
Oral, mouse: LD50 = 4700 mg/kg;
Oral, rat: LD50 = 930 mg/kg;
Oral, rat: LD50 = 1 mL/kg;
Oral, rat: LD50 = 1800 Benzene is considered very toxic; probable human oral lethal dose would be 50-500 mg/kg. Human inhalation of approximately 20,000 ppm (2% in air) was fatal in 5-10 minutes.While percutaneous absorption of liquid benzene through intact human skin can be limited (e.g., 0.05% of the applied dose), the absorbed dose via direct dermal contact combined with that received from body surface exposure to benzene in workplace air is such that a substantial fraction (20-40%) of the total exposure is due to skin absorption.
Carcinogenicity:
CAS# 71-43-2:

- **ACGIH:** A1 - Confirmed Human Carcinogen
- **California:** carcinogen, initial date 2/27/87
- **NTP:** Known carcinogen
- **IARC:** Group 1 carcinogen

Epidemiology: IARC has concluded that epidemiological studies have established the relationship between benzene exposure and the development of acute myelogenous leukemia, and that there is sufficient evidence that benzene is carcinogenic to humans.
Teratogenicity: Inhalation, rat: TCLO = 50 ppm/24H (female 7-14 day(s) after conception) Effects on Embryo or Fetus - extra-embryonic structures (e.g., placenta, umbilical cord) and Effects on Embryo or Fetus - fetotoxicity (except death, e.g., stunted fetus).; Inhalation,mouse: TCLo = 5 ppm (female 6-15 day(s) after conception) Effects on Embryo or Fetus - cytological changes (including somatic cell genetic material) and Specific Developmental Abnormalities - blood and lymphatic systems (including spleen and marrow).
Reproductive Effects: Inhalation, rat: TCLO = 670 mg/m3/24H (female 15 day(s) pre-mating and female 1-22 day(s) after conception) female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated).; Oral, mouse: TDLo = 12 gm/kg (female 6-15 day(s) after conception) Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants).
Mutagenicity: DNA Inhibition: Human, Leukocyte = 2200 umol/L.; DNA Inhibition: Human, HeLa cell = 2200 umol/L.; Mutation Test Systems - not otherwise specified: Human, Lymphocyte = 5 umol/L.; Cytogenetic Analysis: Inhalation, Human = 125 ppm/1Y.; Cytogenetic Analysis: Human, Leukocyte = 1 mmol/L/72H.; Cytogenetic Analysis: Human, Lymphocyte = 1 mg/L.
Neurotoxicity: See actual entry in RTECS for complete information.
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Mosquito Fish: TLm = 395 mg/L; 24 Hr; UnspecifiedFish: Goldfish: LC50 =46 mg/L; 24 Hr; Modified ASTM D 1345Fish: Fathead Minnow: LC50 = 15.1 mg/L; 96 Hr; Flow-through at 25°C (pH 7.9-8.0)Fish: Rainbow trout: LC50 = 5.3 mg/L; 96 Hr; Flow-through at 25°C (pH 7.9-8.0)Fish: Bluegill/Sunfish: LD50 = 20 mg/L; 24-48 Hr; Unspecified If benzene is released to soil, it will be subject to rapid volatilization near the surface and that which does not evaporate will be highly to very highly mobile in the soil and may leach to groundwater. If benzene is released to water, it will be subject to rapid volatilization. It will not be expected to significantly adsorb to sediment, bioconcentrate in aquatic organisms or hydrolyze. It may be subject to biodegradation.
Environmental: If benzene is released to the atmosphere, it will exist predominantly in the vapor phase. Gas-phase benzene will not be subject to direct photolysis but it will react with photochemically produced hydroxyl radicals with a half-life of 13.4 days. The reaction time in polluted atmospheres which contain nitrogen oxides or sulfur dioxide is accelerated with the half-life being reported as 4-6 hours. Benzene is fairly soluble in water and is removed from the atmosphere in rain.
Physical: Products of photooxidation include phenol, nitrophenols, nitrobenzene, formic acid, and peroxyacetyl nitrate.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts

261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series:
CAS# 71-43-2: waste number U019 (Ignitable waste, Toxic waste).

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	BENZENE	BENZENE
Hazard Class:	3	3
UN Number:	UN1114	UN1114
Packing Group:	II	II
Additional Info:		FLASHPOINT -11 C

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 71-43-2 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 71-43-2: 10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogeni

SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 71-43-2: immediate, delayed, fire.
Section 313
This material contains Benzene (CAS# 71-43-2, > 99%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 71-43-2 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
CAS# 71-43-2 is listed as a Hazardous Substance under the CWA. CAS# 71-43-2 is listed as a Priority Pollutant under the Clean Water Act. CAS# 71-43-2 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 71-43-2 can be found on the following state right to know lists: California, New Jersey,

Pennsylvania, Minnesota, Massachusetts.

California Prop 65
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
WARNING: This product contains Benzene, a chemical known to the state of California to cause cancer. WARNING: This product contains Benzene, a chemical known to the state of California to cause male reproductive toxicity.
California No Significant Risk Level: CAS# 71-43-2: 6.4 æg/day NSRL (oral); 13 æg/day NSRL (inhalation)

European / International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
T F
Risk Phrases:
R 11 Highly flammable.
R 36/38 Irritating to eyes and skin.
R 45 May cause cancer.
R 46 May cause heritable genetic damage.
R 48/23/24/25 Toxic : danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed.
R 65 Harmful: may cause lung damage if swallowed.

Safety Phrases:
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 53 Avoid exposure - obtain special instructions before use.

WGK (Water Danger / Protection)
CAS# 71-43-2: 3
Canada - DSL / NDSL
CAS# 71-43-2 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of B2, D2A, D2B.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 71-43-2 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 6/11/1999
Revision #8 Date: 9/11/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

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- Read the product manu□acturer□s Material Sa□ety Data Sheet □MSDS□and the label to determine product ingredients and important sa□ety and health in□ormation about the product mi□ture.
- For each individual hazardous ingredient, read the New □ersey Department o□Health and Senior Services Hazardous Substance Fact Sheet, available on the RT□ Program website □www.n□gov/health/eoh/rtkweb□or in your □acility□s RT□ Central File or Hazard Communication Standard □ile.
- You have a right to this in□ormation under the New □ersey Worker and Community Right to □now Act, the Public Employees Occupational Sa□ety and Health □PEOSH□Act i□you are a public worker in New □ersey, and under the □ederal Occupational Sa□ety and Health Act □OSHA□i□you are a private worker.
- The New □ersey Right to □now Act re□uires most employers to label chemicals in the workplace and re□uires public employers to provide their employees with in□ormation concerning chemical hazards and controls. The □ederal OSHA Hazard Communication Standard □29 CFR 1910.1200□and the PEOSH Hazard Communication Standard □N.□A.C. 12:100-7□re□uire employers to provide similar in□ormation and training to their employees.

This Fact Sheet is a summary o□available in□ormation regarding the health hazards that may result □rom e□posure. Duration o□e□posure, concentration o□the substance and other □actors will a□ect your susceptibility to any o□the potential e□ects described below.

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Acute Health Effects

The □ollowing acute □short-term□health e□ects may occur immediately or shortly a□ter e□posure to **Benz(a)Anthracene**:

- No acute □short-term□health e□ects are known at this time.

Chronic Health Effects

The □ollowing chronic □long-term□health e□ects can occur at some time a□ter e□posure to **Benz(a)Anthracene** and can last □or months or years:

Cancer Hazard

- **Benz(a)Anthracene** is a PROBABLE CARCINOGEN in humans. There is evidence that it causes cancer in humans and it has been shown to cause liver and lung cancer in animals.
- Many scientists believe there is no sa□e level o□e□posure to a carcinogen. Such substance may also have the potential □or causing reproductive damage in humans.

Reproductive Hazard

- According to the in□ormation presently available to the New □ersey Department o□Health and Senior Services, **Benz(a)Anthracene** has not been tested □or its ability to a□ect reproduction.

Other Effects

- No chronic □long-term□health e□ects are known at this time.

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Medical Testing

There is no special test □or this chemical. However, seek medical attention i□illness occurs or overe□posure is suspected.

Any evaluation should include a care□ul history o□past and present symptoms with an e□am. Medical tests that look □or damage already done are not a substitute □or controlling e□posure.

Re□uest copies o□your medical testing. You have a legal right to this in□ormation under the OSHA Access to Employee E□posure and Medical Records Standard □29 CFR 1910.1020□

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Very to□ic chemicals, or those that are reproductive hazards or sensitizers, re□uire e□pert advice on control measures i□a less to□ic chemical cannot be substituted. Control measures include: □1□enclosing chemical processes □or severely irritating and corrosive chemicals, □2□using local e□haust ventilation □or chemicals that may be harm□ul with a single e□posure, and □3□using general ventilation to control e□posures to skin and eye irritants. For □urther in□ormation on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The □ollowing work practices are also recommended:

- Label process containers.
- Provide employees with hazard in□ormation and training.
- Monitor airborne chemical concentrations.
- Use engineering controls i□concentrations e□ceed recommended e□posure levels.
- Provide eye wash □ountains and emergency showers.
- Wash or shower i□skin comes in contact with a hazardous material.
- Always wash at the end o□the workshi□t.
- Change into clean clothing i□clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands care□ully be□ore eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the □ollowing may be use□ul or re□uired:

- Use a Class I, Type B, biological sa□ety hood when mi□ing, handling, or preparing **Benz(a)Anthracene**.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high e□iciency particulate air □HEPA□ilter when vacuuming. Do not use a standard shop vacuum.

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The OSHA Personal Protective E□uipment Standard □29 CFR 1910.132□re□uires employers to determine the appropriate personal protective e□uipment □or each hazard and to train employees on how and when to use protective e□uipment.

The □ollowing recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Benz(a)Anthracene**. Wear personal protective e□uipment made □rom material that can not be permeated or degraded by this substance. Sa□ety e□uipment suppliers and manu□acturers can provide recommendations on the most protective glove and clothing material □or your operation.
- Sa□ety e□uipment manu□acturers recommend Nitrile or Natural Rubber □or gloves and DuPont Tyvek□, or the e□uivalent, as a protective material □or clothing.

Eye Protection

- Wear eye protection with side shields or goggles.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used i□the employer has implemented a written program that takes into account workplace conditions, re□uirements □or worker training, respirator □it testing, and medical e□ams, as described in the OSHA Respiratory Protection Standard □29 CFR 1910.134□.

- Where the potential e□ists □or e□posure over **0.1 mg/m^3** □as *Coal Tar Pitch Volatiles*□, use a NIOSH approved supplied-air respirator with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an au□iliary sel□-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- E□posure to **80 mg/m^3** □as *Coal Tar Pitch Volatiles*□is immediately dangerous to li□e and health. I□the possibility o□ e□posure above **80 mg/m^3** e□ists, use a NIOSH approved sel□-contained breathing apparatus with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode e□uipped with an emergency escape air cylinder.

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I□employees are e□pected to □ight □ires, they must be trained and e□uipped as stated in the OSHA Fire Brigades Standard □29 CFR 1910.156□.

- **Benz(a)Anthracene** may burn, but does not readily ignite.
- Use dry chemical, CO_2, water spray or □oam as e□tinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep □ire-e□posed containers cool.

[illegible]

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Benz(a)Anthracene** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first or use a HEPA-filter vacuum for clean-up and deposit in sealed containers.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Benz(a)Anthracene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the Federal Environmental Protection Agency (EPA) for specific recommendations.

[illegible]

Prior to working with **Benz(a)Anthracene** you should be trained on its proper handling and storage.

- A regulated, marked area should be established where **Benz(a)Anthracene** is handled, used, or stored.
- **Benz(a)Anthracene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
- Store in tightly closed containers in a cool, well-ventilated area.

[illegible]

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Con□erence o□Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values □TLVs□□or e□posure to workplace chemicals.

Acute Exposure Guideline Levels □AEGLs□are established by the EPA. They describe the risk to humans resulting □rom once-in-a li□etime, or rare, e□posure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state □rom a li□uid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is uni□ue, identi□ying number, assigned by the Chemical Abstracts Service, to a speci□ic chemical.

CFR is the Code o□Federal Regulations, which are the regulations o□the United States government.

A **combustible** substance is a solid, li□uid or gas that will burn.

A **corrosive** substance is a gas, li□uid or solid that causes destruction o□human skin or severe corrosion o□containers.

DEP is the New □ersey Department o□Environmental Protection.

DOT is the Department o□Transportation, the □ederal agency that regulates the transportation o□chemicals.

EPA is the Environmental Protection Agency, the □ederal agency responsible □or regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide □or emergency responders □or transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline □ERPG□values are intended to provide estimates o□concentration ranges where one reasonably might anticipate observing adverse e□□ects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, li□uid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a li□uid or solid gives o□□vapor that can □orm a □lammable mi□ture with air.

IARC is the International Agency □or Research on Cancer, a scienti□ic group.

Ionization Potential is the amount o□energy needed to remove an electron □rom an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk In□ormation System database maintained by □ederal EPA. The database contains in□ormation on human health e□□ects that may result □rom e□posure to various chemicals in the environment.

LEL or **Lower Explosive Limit**, is the lowest concentration o□ a combustible substance □gas or vapor□in the air capable o□ continuing an e□plosion.

mg/m^3 means milligrams o□a chemical in a cubic meter o□air. It is a measure o□concentration □weight/volume□.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth de□ects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classi□ies substances according to their □ire and e□plosion hazard.

NIOSH is the National Institute □or Occupational Sa□ety and Health. It tests e□uipment, evaluates and approves respirators, conducts studies o□workplace hazards, and proposes standards to OSHA.

NTP is the National To□icology Program which tests chemicals and reviews evidence □or cancer.

OSHA is the □ederal Occupational Sa□ety and Health Administration, which adopts and en□orces health and sa□ety standards.

PEOSHA is the New □ersey Public Employees Occupational Sa□ety and Health Act, which adopts and en□orces health and sa□ety standards in public workplaces.

Permeated is the movement o□chemicals through protective materials.

PIH is a DOT designation □or chemicals which are Poison Inhalation Hazards.

ppm means parts o□a substance per million parts o□air. It is a measure o□concentration by volume in air.

A **reactive** substance is a solid, li□uid or gas that releases energy under certain conditions.

STEL is a Short Term E□posure Limit which is usually a 15-minute e□posure that should not be e□ceeded at any time during a work day.

A **teratogen** is a substance that causes birth de□ects by damaging the □etus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much □uel □gas or vapor□to begin a reaction or e□plosion.

Vapor Density is the ratio o□the weight o□a given volume o□ one gas to the weight o□another □usually *Hydrogen*□, at the same temperature and pressure.

The **vapor pressure** is a measure o□how readily a li□uid or a solid mi□es with air at its sur□ace. A higher vapor pressure indicates a higher concentration o□the substance in air and there□ore increases the likelihood o□breathing it in.

INFORMATION FOR EMERGENCY RESPONDERS

Common Name: **BENZ(a)ANTHRACENE**

Synonyms: Naphthanthracene, Tetraphene
CAS No: 56-55-3
Molecular Formula: $C_{18}H_{12}$
RTECS Substance No: 0193
Description: Odorless, colorless to yellow brown flake, plate or powder

HAZARDS

Hazard Rating	Firefighting	Reactivity
3 - Health **1 - Fire** **0 - Reactivity** **DOT#:** UN 3077 **ERG Guide #:** 171 **Hazard Class**: 9 (Environmentally hazardous substance)	**Benz(a)Anthracene** may burn, but does not readily ignite. Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**Benz(a)Anthracene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).

SPILL AND LEAK

Isolation Distance:

Small Spill: 50 meters (150 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and deposit in sealed containers.

Bioaccumulation may occur in seafood.

PHYSICAL AND CHEMICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	May burn
Vapor Pressure:	2 mm Hg at 68°F (20°C)
Specific Gravity:	1.3 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	820°F (438°C)
Melting Point:	324°F (162°C)
Molecular Weight:	228.3

EXPOSURE LIMITS

OSHA:	0.2 mg/m^3, 8-hr TWA (as *Coal Tar Pitch Volatiles*, *Benzene soluble fraction*)
NIOSH:	0.1 mg/m^3, 10-hr TWA (as *Coal Tar Pitch Volatiles*, *Cyclohexane-extractable fraction*)
ACGIH:	Lowest level possible
IDLH:	80 mg/m^3 (as *Coal Tar Pitch Volatiles*)

PROTECTIVE EQUIPMENT

Gloves:	Nitrile and Natural Rubber
Coveralls:	DuPont Tyvek®
Respirator:	(0.1 mg/m^3 - Supplied Air

HEALTH EFFECTS

Eyes:	No information available
Skin:	No information available
Inhalation:	No information available
Chronic:	Cancer (liver and lung) in animals

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Remove contaminated clothing and wash contaminated skin with soap and water.

Transfer to a medical facility.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **BENZO(a)PYRENE**

Synonyms: 3,4-Benzopyrene; B[a]P

Chemical Name: Benzo[a]pyrene

Date: July 1998 Revision: October 2007

CAS Number: 50-32-8

RTK Substance Number: 0207

DOT Number: UN 3077

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Description and Use

Benzo(a)pyrene is a pale yellow, crystalline solid or powder with a faint aromatic odor. In its pure form it is used as a laboratory reagent. It also forms as a gaseous by-product when certain carbon substances burn, such as coal tar chemicals, and is found in cigarette smoke.

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	3	-
FLAMMABILITY	1	-
REACTIVITY	0	-

CARCINOGEN
POISONOUS GASES ARE PRODUCED IN FIRE

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

Reasons for Citation

- **Benzo(a)pyrene** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, NTP, DEP, IARC, IRIS, and EPA.
- This chemical is on the Special Health Hazard Substance List.

- **Benzo(a)pyrene** can affect you when inhaled and by passing through the skin.
- **Benzo(a)pyrene** is a CARCINOGEN. HANDLE WITH EXTREME CAUTION.
- **Benzo(a)pyrene** may damage the developing fetus.
- Contact can irritate and burn the eyes.
- **Benzo(a)pyrene** can irritate the skin causing a rash or burning feeling on contact.
- Repeated exposure can cause thickening and darkening of the skin.
- Except in laboratories, **Benzo(a)pyrene** is usually found mixed with other "coal tar pitch" chemicals.
- *For more information, consult the Right to Know Hazardous Substance Fact Sheets on COAL TAR PITCH, CREOSOTE, CHRYSENE, and ANTHRACENE.*

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact
- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

Skin Contact
- Remove contaminated clothing. Wash contaminated skin with soap and water.

Inhalation
- Remove the person from exposure.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222
CHEMTREC: 1-800-424-9300
NJDEP Hotline: 1-877-927-6337
National Response Center: 1-800-424-8802

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** (as *Coal Tar Pitch Volatiles*) averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.1 mg/m^3** (as the *Cyclohexane-extractable fraction*) averaged over a 10-hour workshift.

ACGIH: Recommends that exposure by all routes be controlled to levels as low as possible.

- **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects
The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(a)pyrene**:

- Contact can irritate and burn the eyes.
- **Benzo(a)pyrene** can irritate the skin causing a rash or burning feeling on contact. Exposure to a combination of sunlight and this chemical can increase these effects.

Chronic Health Effects
The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(a)pyrene** and can last for months or years:

Cancer Hazard
- **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There is some evidence that is causes stomach, skin, lung, blood, spleen, pancreas, and mammary cancer in animals.
- Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard
- **Benzo(a)pyrene** may damage the developing fetus.
- There is limited evidence that **Benzo(a)pyrene** may damage the male and female reproductive systems.

Other Effects
- Repeated exposure can cause thickening and darkening of the skin and warts.

Medical

Medical Testing
There is no special test for this chemical. However, seek medical attention if illness occurs or overexposure is suspected.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures
- Sunlight may cause a rash to develop in people exposed to **Benzo(a)pyrene** and increases the risk of skin cancer.
- Tobacco smoke also contains **Benzo(a)pyrene**. Smoking may increase the risk of lung cancer with exposure to **Benzo(a)pyrene.**

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.

- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Use a Class I, Type B, biological safety hood when working with **Benzo(a)pyrene** in a laboratory.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high efficiency particulate air (HEPA) filter when vacuuming. Do not use a standard shop vacuum.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Benzo(a)pyrene**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend DuPont *Tychem® CPF-2, SL, CPF-4* and *Responder®* as protective materials for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear eye protection with side shields or goggles.
- Do not wear contact lenses when working with this substance.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.1 mg/m^3**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **80 mg/m^3** (as *Coal Tar Pitch Volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** (as *Coal Tar Pitch Volatiles*) exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Benzo(a)pyrene** may burn, but does not readily ignite.
- Use dry chemical, CO_2, water spray or foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Benzo(a)pyrene** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first to reduce dust or use a HEPA-filter vacuum for clean-up.
- Ventilate and wash area after clean-up is complete.
- It may be necessary to contain and dispose of **Benzo(a)pyrene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP), Nuclear Regulatory Commission (NRC) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Benzo(a)pyrene** you should be trained on its proper handling and storage.

- A regulated, marked area should be established where **Benzo(a)pyrene** is handled, used, or stored.
- **Benzo(a)pyrene** reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
- Store in tightly closed containers in a cool, well-ventilated area.
- Sources of ignition, such as smoking and open flames, are prohibited where **Benzo(a)pyrene** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values are intended to provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database maintained by federal EPA. The database contains information on human health effects that may result from exposure to various chemicals in the environment.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

Common Name: **BENZO(a)PYRENE**

Synonyms: 3,4-Benzopyrene; B[a]P
CAS No: 50-32-8
Molecular Formula: $C_{20}H_{12}$
RTK Substance No: 0207
Description: Pale yellow, crystalline solid or powder

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
3 - Health **1 - Fire** **0 - Reactivity** **DOT#:** UN 3077 **ERG Guide #:** 171 **Hazard Class:** 9 (Miscellaneous Hazardous Materials)	**Benzo(a)pyrene** may burn, but does not readily ignite. Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE.	**Benzo(a)pyrene** reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) to cause fires and explosions.

SPILL/LEAKS

Isolation Distance: 50 meters (150 feet)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up.

Toxic to aquatic organisms.

PHYSICAL PROPERTIES

Odor Threshold:	Faint aromatic odor
Flash Point:	No information
Specific Gravity:	1.35
Vapor Density:	8.7 (air = 1)
Vapor Pressure:	5.49 X 10^9 mm Hg at 77°F (25°C)
Water Solubility:	Insoluble
Boiling Point:	590° - 594°F (310° - 312°C)
Melting Point:	347° - 354 F (175 ° - 179°C)

EXPOSURE LIMITS

OSHA:	0.2 mg/m^3, 8-hr TWA
NIOSH:	0.1 mg/m^3, 10-hr TWA
ACGIH:	lowest level possible
IDLH LEVEL:	80 mg/m^3 (as *Coal Tar Pitch Volatiles*)

PROTECTIVE EQUIPMENT

Gloves:	No information
Coveralls:	DuPont Tychem®, CPF-2, SL, CPF-4, Responder® (all >8-hr permeation time)
Boots:	No information
Respirator:	>0.1 mg/m^3 - Supplied air

HEALTH EFFECTS

Eyes:	Irritation and burns
Skin:	Irritation, rash and burning feeling
Chronic:	Cancer (stomach, skin, lung, blood, spleen, pancreas, and mammary) in animals. May affect the developing fetus Thickening and darkening of the skin and warts

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Remove contaminated clothing and wash contaminated skin with soap and water.

Transfer to a medical facility.

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(b)FLUORANTHENE**

CAS Number: 205-99-2
DOT Number: None

RTK Substance number: 0208
Date: September 1995 Revision: July 2001

HAZARD SUMMARY

* **Benzo(b)fluoranthene** can affect you when breathed in and may be absorbed through the skin.
* **Benzo(b)fluoranthene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.
* Because the major hazards associated with **Benzo(b)fluoranthene** come from exposure to *Coal Tar Pitch, CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEET ON COAL TAR PITCH.*

IDENTIFICATION

Benzo(b)fluoranthene is a colorless, needle-shaped solid. It is used as a research chemical and is present in coal, and coke oven emissions, and petroleum products.

REASON FOR CITATION

* **Benzo(b)fluoranthene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, NIOSH, NTP, IARC, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

The following exposure limits are for **Benzo(b)fluoranthene** (measured as *Coal Tar Pitch volatiles*):

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.2 mg/m^3** averaged over an 8-hour workshift.

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Benzo(b)fluoranthene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(b)fluoranthene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(b)fluoranthene**:

* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(b)fluoranthene** and can last for months or years:

Cancer Hazard

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. It has been shown to cause lung, liver and skin cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Benzo(b)fluoranthene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Benzo(b)fluoranthene** has not been tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Examine your skin periodically for growths or changes in warts or moles. Skin cancers are usually easily curable when removed early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Benzo(b)fluoranthene** from drums or other storage containers to process containers.
* A Class I, Type B, biological safety hood should be used when mixing, handling, or preparing **Benzo(b)fluoranthene**.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(b)fluoranthene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(b)fluoranthene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(b)fluoranthene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(b)fluoranthene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Benzo(b)fluoranthene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
* When vacuuming, a high efficiency particulate air (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(b)fluoranthene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **0.1 mg/m^3** (as *Coal Tar Pitch volatiles*), use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** (as *Coal Tar Pitch volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** (as *Coal Tar Pitch volatiles*) exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **BENZO(b)FLUORANTHENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **205-99-2**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Benzo(b)fluoranthene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(b)fluoranthene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(b)fluoranthene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Benzo(b)fluoranthene** you should be trained on its proper handling and storage.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* **Benzo(b)fluoranthene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); OZONE; NITROGEN OXIDES; and SULFUR OXIDES.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 5×10^{-7} mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Benz(e)acephenanthrylene
Other Names:
2,3-Benzfluoranthene; 3,4-Benzfluoranthene; B(b)F

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202 H4985

Material Safety Data Sheet

Version 5.1
Revision Date 04/09/2013
Print Date 05/02/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Benzo[*ghi*]perylene
Product Number	:	B9009
Brand	:	Aldrich
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Carcinogen

GHS Classification
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 1)

GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)
P273 Avoid release to the environment.
P501 Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification
Health hazard: 0
Chronic Health Hazard: *
Flammability: 0
Physical hazards: 0

NFPA Rating
Health hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms	:	1,12-Benzoperylene
Formula	:	$C_{22}H_{12}$
Molecular Weight	:	276.33 g/mol

Component		Concentration
Benzo[ghi]perylene		
CAS-No.	191-24-2	-
EC-No.	205-883-8	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	Melting point/range: 277 - 279 °C (531 - 534 °F) - lit.
Boiling point	> 500 °C (> 932 °F) - lit.
Flash point	no data available
Ignition temperature	no data available
Auto-ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	insoluble
Partition coefficient: n-octanol/water	log Pow: 6.63
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available

Evapouration rate no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
no data available

Inhalation LC50
no data available

Dermal LD50
no data available

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitisation
no data available

Germ cell mutagenicity

no data available

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC:	3 - Group 3: Not classifiable as to its carcinogenicity to humans (Benzo[ghi]perylene)
IARC:	3 - Group 3: Not classifiable as to its carcinogenicity to humans (Benzo[ghi]perylene)
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	Reasonably anticipated to be a human carcinogen (Benzo[ghi]perylene)
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: Not available

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

IMDG
UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Benzo[ghi]perylene)
Marine pollutant: Marine pollutant

IATA
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Benzo[ghi]perylene)

Further information
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. REGULATORY INFORMATION

OSHA Hazards
Carcinogen

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Benzo[ghi]perylene	191-24-2	2007-03-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Benzo[ghi]perylene	191-24-2	2007-03-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
Benzo[ghi]perylene	191-24-2	2007-03-01

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause cancer. Benzo[ghi]perylene	191-24-2	1990-01-01

16. OTHER INFORMATION

Further information
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(k)FLUORANTHENE**

CAS Number: 207-08-9
DOT Number: None

RTK Substance number: 2969
Date: October 2002

HAZARD SUMMARY

* **Benzo(k)Fluoranthene** can affect you when breathed in and may be absorbed through the skin.
* **Benzo(k)Fluoranthene** should be handled as a CARCINOGEN--WITH EXTREME CAUTION.
* Contact can irritate the skin and eyes.

IDENTIFICATION

Benzo(k)Fluoranthene is a pale yellow, needle-like solid. It is primarily found in smoke from tobacco and polluted air.

REASON FOR CITATION

* **Benzo(k)Fluoranthene** is on the Hazardous Substance List because it is cited by NTP, IARC, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

No occupational exposure limits have been established for **Benzo(k)Fluoranthene**. This does not mean that this substance is not harmful. Safe work practices should always be followed.

* **Benzo(k)Fluoranthene** may be a CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* It should be recognized that **Benzo(k)Fluoranthene** can be absorbed through your skin, thereby increasing your exposure.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Benzo(k)Fluoranthene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(k)Fluoranthene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(k)Fluoranthene**:

* Contact can irritate the skin and eyes.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(k)Fluoranthene** and can last for months or years:

Cancer Hazard

* **Benzo(k)Fluoranthene** may be a CARCINOGEN in humans since it has been shown to cause skin cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Benzo(k)Fluoranthene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Benzo(k)Fluoranthene** has not been adequately tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Benzo(k)Fluoranthene** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(k)Fluoranthene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(k)Fluoranthene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(k)Fluoranthene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(k)Fluoranthene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Benzo(k)Fluoranthene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(k)Fluoranthene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Eye protection is included in the recommended respiratory protection.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* At <u>any</u> exposure level, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include <u>dust releasing operations</u> (grinding, mixing, blasting, dumping, etc.), <u>other physical and mechanical processes</u> (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and <u>"confined space" exposures</u> (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **BENZO(k)FLUORANTHENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **207-08-9**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* Use dry chemical, CO_2, water spray, or foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(k)Fluoranthene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Remove all ignition sources.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(k)Fluoranthene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Benzo(k)Fluoranthene** you should be trained on its proper handling and storage.
* **Benzo(k)Fluoranthene** is not compatible with OZONE; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); NITROGEN; and SULFUR OXIDES.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.

PHYSICAL DATA

Vapor Pressure: 0 mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Benzo(k)Fluoranthene
Other Names:
8,9-Benzofluoranthene; B(k)F

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

Material Safety Data Sheet

Cadmium metal, granular

ACC# 03720

Section 1 - Chemical Product and Company Identification

MSDS Name: Cadmium metal, granular
Catalog Numbers: 61213-5000, C3-500
Synonyms: None.
Company Identification:
Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
7440-43-9	Cadmium	100	231-152-8

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: silver white granules.
Danger! Flammable solid. May be fatal if inhaled. Harmful if swallowed. Causes eye, skin, and respiratory tract irritation. Contains cadmium. Cancer hazard. Avoid creating dust. Can cause lung and kidney disease. Inhalation of fumes may cause metal-fume fever. Air sensitive. May cause reproductive and fetal effects.
Target Organs: Blood, kidneys, liver, lungs, skeletal structures, prostate.

Potential Health Effects
Eye: Causes eye irritation.
Skin: Causes skin irritation.
Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Ingestion may produce fluid loss, acute renal failure, and cardiopulmonary depression.
Inhalation: May be fatal if inhaled. Inhalation of fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count. Damage may be delayed. May cause nausea, vomiting, abdominal pain, diarrhea, chest tightness, weakness, and delayed pulmonary edema. In humans inhalation causes proteinuria, an excess of protein in the urine.
Chronic: May cause respiratory tract cancer. Repeated inhalation may cause chronic bronchitis. Chronic inhalation may cause nasal septum ulceration and perforation. Cadmium and compounds may cause lung, liver and kidney damage and lung and prostate cancer in humans. May cause loss of smell, emphysema, anemia, bone demineralization, and lung fibrosis. The primary target organ

for chronic cadmium disease is clearly the kidney.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: POISON material. If inhaled, get medical aid immediately. Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Attempt rescue only after notifying at least one other person of the emergency and putting into effect established emergency procedures. Do not become a casualty yourself.
Notes to Physician: Administration of calcium disodium EDTA may be useful in acute poisoning with its use at the discretion of qualified medical personnel. Persons with kidney disease, chronic respiratory disease, liver disease, or skin disease may be at increased risk from exposure to this substance.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material can spontaneously ignite (pyrophoric) when exposed to air at normal or slightly elevated temperatures. Dust can be an explosion hazard when exposed to heat or flame. Flammable solid. May burn rapidly with flare burning effect. May re-ignite after fire is extinguished. Dangerous fire hazard in the form of dust when exposed to heat or flame.
Extinguishing Media: Use dry sand, graphite powder, dry sodium chloride-based extinguishers.
Flash Point: Not available.
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 4; Flammability: 2; Instability: 1

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. Place under an inert atmosphere.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Use spark-proof tools

and explosion proof equipment. Avoid contact with skin and eyes. Do not breathe dust, mist, or vapor. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep away from heat, sparks and flame. Do not ingest or inhale. Handle under an inert atmosphere. Store protected from air. Use only in a chemical fume hood. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage: Keep away from heat and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not expose to air. Store under an inert atmosphere.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood. See 29CFR 1910.1027 for regulations applying to all occupational exposures to cadmium and cadmium compounds, in all forms.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Cadmium	0.01 mg/m3 TWA; 0.002 mg/m3 TWA (respirable fraction)	9 mg/m3 IDLH (dust)	5 æg/m3 TWA; 0.1 mg/m3 TWA (fume, applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect); 0.2 mg/m3 TWA (dust, applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect); 0.3 mg/m3 Ceiling (fume, applies to any operations or sectors for which the Cadm ium standard is stayed or otherwise not in effect); 0.6 mg/m3 Ceiling (dust, applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect); 2.5 æg/m3 Action Level; 5 æg/m3 TWA (Do not eat, drink or chew to bacco or gum or apply cosmetics in regulated areas. Carcinogen - dust can cause lung and kidney disease. See 29 CFR 1910.1027)

OSHA Vacated PELs: Cadmium: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Granules
Appearance: silver white
Odor: odorless
pH: Not available.
Vapor Pressure: Not applicable.
Vapor Density: Not available.
Evaporation Rate: Not applicable.
Viscosity: Not applicable.
Boiling Point: 765 deg C @ 760 mmHg
Freezing/Melting Point:321 deg C
Decomposition Temperature: Not available.
Solubility: Insoluble.
Specific Gravity/Density:8.64 @ 25°C
Molecular Formula: Cd
Molecular Weight:112.40

Section 10 - Stability and Reactivity

Chemical Stability: Oxidizes when exposed to air. Easily tarnishes in moist air. Powder or liquid is pyrophoric. Contact with acid liberates gas.
Conditions to Avoid: Ignition sources, dust generation, excess heat, prolonged exposure to air.
Incompatibilities with Other Materials: Strong oxidizing agents, acids, sulfur, zinc, selenium, tellurium.
Hazardous Decomposition Products: Toxic cadmium oxide fumes.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 7440-43-9: EU9800000
LD50/LC50:
CAS# 7440-43-9:
Inhalation, rat: LC50 = 25 mg/m3/30M;
Oral, mouse: LD50 = 890 mg/kg;
Oral, rat: LD50 = 2330 mg/kg;
.

Carcinogenicity:
CAS# 7440-43-9:

- **ACGIH:** A2 - Suspected Human Carcinogen

- **California:** carcinogen, initial date 10/1/87
- **NTP:** Known carcinogen
- **IARC:** Group 1 carcinogen

Epidemiology: Occupational exposure to cadmium has been implicated in a significant increase in prostate and respiratory tract cancer. There is evidence of a significant excess of respiratory cancer deaths among a cohort of cadmium production workers, and concluded that cadmium and its compounds are potential carcinogens.
Teratogenicity: Oral, rat: TDLo = 155 mg/kg (male 13 week(s) pre-mating and female 13 week (s) pre-mating - 3 week(s) after conception) Effects on Newborn - growth statistics (e.g.%, reduced weight gain) and Effects on Newborn - behavioral.; Oral, rat: TDLo = 23 mg/kg (female 1-22 day(s) after conception) Specific Developmental Abnormalities - blood and lymphatic systems (including spleen and marrow).; Oral, mouse: TDLo = 1700 mg/kg (female 8-12 day(s) after conception) Effects on Newborn - viability index (e.g., # alive at day 4 per # born alive) and Effects on Newborn - growth statis
Reproductive Effects: Oral, rat: TDLo = 21500 ug/kg (multigenerations) Fertility - pre-implantation mortality (e.g. reduction in number of implants per female; total number of implants per corpora lutea).; Intraperitoneal, rat: TDLo = 1124 ug/kg (male 1 day(s) pre-mating) Paternal Effects - spermatogenesis (incl. genetic material, sperm morphology, motility, and count).
Mutagenicity: Micronucleus Test: Mouse, Embryo = 6 umol/L.; Cytogenetic Analysis: Hamster, Ovary = 1 umol/L.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: TLm = 30 ppm; 24 Hr; Hard waterFish: Striped bass: LC50 = 0.001 ppm; 24-48 Hr; Static bioassayFish: Fathead Minnow: TL50 = 7.2 ppm; 96 Hr; UnspecifiedFish: Bluegill/Sunfish: LCO = 0.08 ppm; 96 Hr; Static bioassay (Hard water) No data available.
Environmental: Cadmium can enter the air from natural sources.
Physical: No information available.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	TOXIC SOLIDS, FLAMMABLE, ORGANIC, N.O.S.	Toxic Solid, Flammable, Organic, N.O.S. (CADMIUM METAL)

Hazard Class:	6.1	6.1
UN Number:	UN2930	UN2930
Packing Group:	I	I

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 7440-43-9 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 7440-43-9: 10 lb final RQ (no reporting of releases of this hazardous substance is required
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 7440-43-9: immediate, delayed, fire.
Section 313
This material contains Cadmium (CAS# 7440-43-9, 100%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 7440-43-9 (listed as Cadmium compounds) is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 7440-43-9 is listed as a Priority Pollutant under the Clean Water Act. CAS# 7440-43-9 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 7440-43-9 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
WARNING: This product contains Cadmium, a chemical known to the state of California to cause cancer. WARNING: This product contains Cadmium, a chemical known to the state of California to cause male reproductive toxicity.
California No Significant Risk Level: CAS# 7440-43-9: 0.05 æg/day NSRL (inhalation)

European / International Regulations
European Labeling in Accordance with EC Directives

Hazard Symbols:
T+ F
Risk Phrases:
R 11 Highly flammable.
R 25 Toxic if swallowed.
R 26 Very toxic by inhalation.
R 45 May cause cancer.

Safety Phrases:
S 36/37/39 Wear suitable protective clothing, gloves and eye/face pr otection.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 53 Avoid exposure - obtain special instructions before use.

WGK (Water Danger/Protection)
CAS# 7440-43-9: No information available.
Canada - DSL/NDSL
CAS# 7440-43-9 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of D1A, B4.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 7440-43-9 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 6/28/1999
Revision #7 Date: 2/13/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **CHLORDANE**

CAS Number: 57-74-9
DOT Number: UN 2762
DOT Hazard Class: 6.1 (Toxic)

RTK Substance number: 0361
Date: April 1998 Revision: June 2005

HAZARD SUMMARY

* **Chlordane** can affect you when breathed in and by passing through your skin.
* **Chlordane** should be handled as a CARCINOGEN--WITH EXTREME CAUTION.
* It may damage the developing fetus.
* **Chlordane** can irritate the eyes and skin and can cause burns and rash on contact.
* Exposure to the vapor can irritate the nose, mouth and throat.
* **Chlordane** can cause nausea, vomiting, diarrhea, headache and abdominal pain.
* Exposure to **Chlordane** can cause fatigue, confusion, dizziness, loss of muscle coordination, convulsions, unconsciousness and death.
* Repeated exposure may cause personality changes of depression, anxiety or irritability.
* **Chlordane** may damage the liver and kidneys.

IDENTIFICATION

Pure **Chlordane** is a colorless to amber, odorless, thick liquid. The commercial product has a *Chlorine*-like odor. It is used as an insecticide.

REASON FOR CITATION

* **Chlordane** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, DEP, IARC, IRIS and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **0.5 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.5 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.5 mg/m^3** averaged over an 8-hour workshift.

* **Chlordane** may be a CARCINOGEN in humans. There may be <u>no</u> safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for <u>air levels only</u>. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly <u>immediately</u> after exposure to **Chlordane** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Chlordane** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Chlordane**:

* **Chlordane** can irritate the eyes and skin and can cause burns and rash on contact.
* Exposure to the vapor can irritate the nose, mouth and throat.
* **Chlordane** can cause nausea, vomiting, diarrhea, headache and abdominal pain.
* Exposure to **Chlordane** can cause fatigue, confusion, dizziness, loss of muscle coordination, convulsions, unconsciousness and death.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Chlordane** and can last for months or years:

Cancer Hazard

* **Chlordane** may be a CARCINOGEN in humans since it has been shown to cause liver cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* **Chlordane** may damage the developing fetus.

Other Long-Term Effects

* Repeated exposure may cause personality changes of depression, anxiety or irritability.
* **Chlordane** may damage the liver and kidneys.

MEDICAL

Medical Testing

If symptoms develop or overexposure is suspected, the following are recommended:

* Liver and kidney function tests.
* Exam of the nervous system.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* Because more than light alcohol consumption can cause liver damage, drinking alcohol can increase the liver damage caused by **Chlordane**.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically pump liquid **Chlordane** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Chlordane** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Chlordane**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Chlordane**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Chlordane**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Chlordane** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Chlordane**. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* Safety equipment manufacturers recommend Tychem ® BR/LV, Tychem ® 10,000, and Tychem ® TK as protective materials.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear indirect-vent, impact and splash resistant goggles when working with liquids.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* For field applications check with your supervisor and your safety equipment supplier regarding the appropriate respiratory equipment.
* Where the potential exists for exposure over **0.5 mg/m^3**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **100 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **100 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

HANDLING AND STORAGE

* Prior to working with **Chlordane** you should be trained on its proper handling and storage.
* **Chlordane** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE).
* Store in tightly closed containers in a cool, well-ventilated area away from HEAT; COMBUSTIBLES; IRON; ZINC; PLASTIC; RUBBER and COATINGS.
* Sources of ignition, such as smoking and open flames, are prohibited where **Chlordane** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

Q: Who is at the greatest risk from reproductive hazards?
A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information
Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation
If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations
Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources
The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

CFR is the Code of Federal Regulations, which consists of the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

IRIS is the Integrated Risk Information System database of the federal EPA.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **CHLORDANE**
DOT Number: **UN 2762**
DOT Hazard Class: **6.1 (Toxic)**
NAERG Code: **131**
CAS Number: **57-74-9**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	1	-
REACTIVITY	0	-
POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Chlordane** is not combustible, but it may be dissolved in *flammable* or *combustible* carrier solvents (such as *Kerosene*).
* Use dry chemical, CO_2, or a foaming agent as water may not be effective on carrier solvents.
* POISONOUS GASES ARE PRODUCED IN FIRE including *Hydrogen Chloride*, *Chlorine*, and *Phosgene*.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Chlordane** is spilled or leaked, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill or leak until clean-up is complete.
* Remove all ignition sources.
* Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Chlordane** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE (See page 3)

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash area with large amounts of soap and water. Seek medical attention immediately.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 0.00001 mm Hg at 68°F (20°C)
Flash Point: 140°F to 225°F (60°C to 107°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

4,7-Methano-1H-Indene, 1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-Hexahydro-

This fact sheet can also be used for:

cis-Chlordane CAS# 5103-71-9
trans-Chlordane CAS# 5103-74-2
gamma-Chlordane CAS# 5566-34-7

Other Names:

Octachlor; Velsicol 1068; Dowchlor

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

Right to Know
Hazardous Substance Fact Sheet

Common Name: **CHROMIUM**

Synonyms: Chrome; Metallic Chromium

Chemical Name: Chromium

Date: January 2000 Revision: March 2009

CAS Number: 7440-47-3

RTK Substance Number: 0432

DOT Number: UN 3089

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Description and Use

Chromium is a hard, gray, odorless solid with a metallic luster. It is used in stainless and alloy steels, in making alloys, and as an isotope in medicine and research.

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	2	-
FLAMMABILITY	3	-
REACTIVITY	0	-

FLAMMABLE POWDER
POISONOUS GASES ARE PRODUCED IN FIRE
CONTAINERS MAY EXPLODE IN FIRE

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

Reasons for Citation

- **Chromium** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IARC and EPA.
- This chemical is on the Special Health Hazard Substance List.

- **Chromium** can affect you when inhaled.
- Contact can irritate and burn the skin and eyes with possible eye damage.
- Inhaling **Chromium** can irritate the nose and throat.
- Exposure to **Chromium** *fumes* can cause a flu-like illness called *metal fume fever.*
- **Chromium** may cause a skin allergy and an asthma-like allergy
- Inhaling **Chromium** can cause a sore and/or a hole in the "bone" (septum) dividing the inner nose.
- **Chromium** may affect the liver and kidneys.
- **Chromium** in *powder* form is FLAMMABLE and a DANGEROUS FIRE HAZARD. It may also spontaneously explode in air.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact
- Immediately flush with large amounts of water for at least 30 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while flushing. Seek medical attention.

Skin Contact
- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Inhalation
- Remove the person from exposure
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **1 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.5 mg/m^3** averaged over a 8-hour workshift.

ACGIH: The threshold limit value (TLV) is **0.5 mg/m^3** averaged over an 8-hour workshift.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects
The following acute (short-term) health effects may occur immediately or shortly after exposure to **Chromium**:

- Contact can irritate and burn the skin and eyes with possible eye damage.
- Inhaling **Chromium** can irritate the nose and throat causing coughing and wheezing.
- Exposure to **Chromium** *fumes* can cause *"metal fume fever."* This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

Chronic Health Effects
The following chronic (long-term) health effects can occur at some time after exposure to **Chromium** and can last for months or years:

Cancer Hazard
- While **Chromium** has been tested, it is not classifiable as to its potential to cause cancer.

Reproductive Hazard
- There is no evidence that **Chromium** affects reproduction. This is based on test results presently available to the NJDHSS from published studies.

Other Effects
- Inhaling **Chromium** can cause a sore and/or a hole in the "bone" (septum) dividing the inner nose, sometimes with bleeding, discharge, and/or formation of a crust.
- **Chromium** may cause a skin allergy. If allergy develops, very low future exposure can cause itching and a skin rash.
- **Chromium** may cause an asthma-like allergy. Future exposure can cause asthma attacks with shortness of breath, wheezing, coughing, and/or chest tightness.
- Prolonged skin contact can cause burns, blisters and deep ulcers
- **Chromium** may affect the liver and kidneys.

Medical

Medical Testing
For frequent or potentially high exposure (half the TLV or greater), the following are recommended before beginning work and at regular times after that:

- Lung function tests. The results may be normal if the person is not having an attack at the time of the test.

If symptoms develop or overexposure is suspected, the following are recommended:

- Examine your skin periodically for little bumps or blisters, the first sign of "chrome ulcers." If not treated early, these can last for years after exposure.
- Evaluation by a qualified allergist can help diagnose skin allergy.
- Liver and kidney function tests

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures
- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **Chromium**.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Before entering a confined space where **Chromium** *powder* may be present, check to make sure that an explosive concentration does not exist.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Chromium**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile and Natural Rubber for gloves, and Tyvek®, or the equivalent, as a protective material for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear eye protection with side shields or goggles.
- If additional protection is needed for the entire face, use in combination with a face shield. A face shield should not be used without another type of eye protection.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.5 mg/m^3**, use a NIOSH approved negative pressure, air-purifying, particulate filter respirator with an N, R or P95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Chromium**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **5 mg/m^3**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **250 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **250 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- Extinguish fire using an agent suitable for type of surrounding fire. **Chromium** itself does not burn.
- **Chromium** in *powder* form is FLAMMABLE and a DANGEROUS FIRE HAZARD. It may also spontaneously explode in air.
- Use dry sand or dry chemical extinguishing agents to fight **Chromium** *powder* fires.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- CONTAINERS MAY EXPLODE IN FIRE.
- DO NOT get water inside container.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Chromium** *powder* is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.
- Keep **Chromium** *powder* out of confined spaces, such as sewers, because of the possibility of an explosion.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Chromium** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Chromium** you should be trained on its proper handling and storage.

- **Chromium** may react violently or explosively with AMMONIUM NITRATE; CARBON DIOXIDE ATMOSPHERES; BROMINE PENTAFLUORIDE; LITHIUM; NITROGEN OXIDES; and SULFUR DIOXIDE.
- **Chromium** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); STRONG ACIDS (such as HYDROCHLORIC and SULFURIC); and ALKALI METALS (such as SODIUM and POTASSIUM).
- Store in tightly closed containers in a cool, well-ventilated area.
- Sources of ignition, such as smoking and open flames, are prohibited where **Chromium** *powder* is used, handled, or stored.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **CHROMIUM**

Synonyms: Chrome; Metallic Chromium
CAS No: 7440-47-3
Molecular Formula: Cr
RTK Substance No: 0432
Description: Hard, gray, odorless solid with a metallic luster

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
2 - Health **3 - Fire** **0 - Reactivity** **DOT#:** UN 3089 **ERG Guide #:** 170 **Hazard Class:** 4.1 (Flammable Solid)	Extinguish fire using an agent suitable for type of surrounding fire. **Chromium** itself does not burn. **Chromium** in *powder* form is FLAMMABLE and a DANGEROUS FIRE HAZARD. It may also spontaneously explode in air. Use dry sand or dry chemical extinguishing agents to fight **Chromium** *powder* fires. POISONOUS GASES ARE PRODUCED IN FIRE. CONTAINERS MAY EXPLODE IN FIRE. DO NOT get water inside container.	**Chromium** may react violently or explosively with AMMONIUM NITRATE; CARBON DIOXIDE ATMOSPHERES; BROMINE PENTAFLUORIDE; LITHIUM; NITROGEN OXIDES; and SULFUR DIOXIDE. **Chromium** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); STRONG ACIDS (such as HYDROCHLORIC and SULFURIC); and ALKALI METALS (such as SODIUM and POTASSIUM).

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.

Keep **Chromium** *powder* out of confined spaces, such as sewers, because of the possibility of an explosion.

DO NOT wash into sewer.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Noncombustible solid, Flammable *powder*
Vapor Pressure:	<0 mm Hg at 68°F (20°C) (approximate)
Specific Gravity:	7.2 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	4,788°F (2,642°C)
Melting Point:	3,452°F (1,900°C)
Molecular Weight:	52

EXPOSURE LIMITS

OSHA:	1 mg/m^3, 8-hr TWA
NIOSH:	0.5 mg/m^3, 8-hr TWA
ACGIH:	0.5 mg/m^3, 8-hr TWA
IDLH:	250 mg/m^3

The Protective Action Criteria values are:

PAC-1 = 1.5 mg/m^3 PAC-3 = 250 mg/m^3
PAC-2 = 2.5 mg/m^3

PROTECTIVE EQUIPMENT

Gloves:	Nitrile or Natural Rubber
Coveralls:	Tyvek®
Respirator:	>0.5 mg/m^3 - full facepiece APR with High efficiency filters >1.5 mg/m^3 - SCBA

HEALTH EFFECTS

Eyes:	Irritation, burns and possible eye damage
Skin:	Irritation, burns, itching, rash and skin ulcers
Inhalation:	Nose and throat irritation with coughing and wheezing Headache, fever and chills

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 30 minutes. Remove contact lenses if worn. Seek medical attention.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **CHRYSENE**

Synonyms: Benzo(a)phenanthrene

Chemical Name: Chrysene

Date: December 1999 Revision: June 2008

CAS Number: 218-01-9

RTK Substance Number: 0441

DOT Number: UN 3077

Description and Use

Chrysene is a colorless to white, crystalline solid which is used in research laboratories. It is most often found as the gaseous by-product from the incomplete combustion of fossil fuel, wood, *Coal Tar* and *Creosote*.

Reasons for Citation

- **Chrysene** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IARC, IRIS and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

Skin Contact

- Remove contaminated clothing and wash contaminated skin with soap and water.

Inhalation

- Remove the person from exposure.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	3	-
FLAMMABILITY	0	-
REACTIVITY	1	-

CARCINOGEN
POISONOUS GASES ARE PRODUCED IN FIRE
DOES NOT BURN

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **Chrysene** can affect you when inhaled and by passing through the skin.
- **Chrysene** should be handled as a CARCINOGEN--WITH EXTREME CAUTION.
- Contact can irritate the skin and eyes.
- Inhaling **Chrysene** may irritate the nose and throat.
- If skin contaminated with **Chrysene** is exposed to sunlight, a rash or sunburn effect and permanent changes in skin pigment can occur
- **Chrysene** is almost always found in *Coal Tar Pitch, Creosote*, or other *Coal Tar Products*. If you work with *Coal, Tar, Soot, Pitch, Asphalt*, etc., you may be exposed to **Chrysene**.
- *For more information, consult the Right to Know Hazardous Substance Fact Sheets on COAL TAR PITCH, CREOSOTE* and *ANTHRACENE*.

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** (as *Coal Tar Pitch Volatiles, Benzene-soluble fraction*) averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.1 mg/m^3** (as *Coal Tar Pitch Volatiles, Cyclohexane-extractable fraction*) averaged over a 10-hour workshift.

ACGIH: Recommends that exposure by all routes be controlled to levels as low as possible.

- **Chrysene** may be a CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects
The following acute (short-term) health effects may occur immediately or shortly after exposure to **Chrysene**:

- Contact can irritate the skin and eyes.
- Inhaling **Chrysene** may irritate the nose and throat causing coughing and wheezing.
- If skin contaminated with **Chrysene** is exposed to sunlight, a rash or sunburn effect can occur, sometimes with blisters.

Chronic Health Effects
The following chronic (long-term) health effects can occur at some time after exposure to **Chrysene** and can last for months or years:

Cancer Hazard
- **Chrysene** may be a CARCINOGEN in humans since it has been shown to cause skin, liver, and lung cancer in animals.
- Many scientists believe there is no safe level of exposure to a carcinogen. Such substance may also have the potential for causing reproductive damage in humans.

Reproductive Hazard
- According to the information presently available to the New Jersey Department of Health and Senior Services, **Chrysene** has not been tested for its ability to affect reproduction.

Other Effects
- Permanent changes in skin pigment can occur if contaminated skin is exposed to sunlight

Medical

Medical Testing
- There is no special test for this chemical. However, an exposed person should examine their skin periodically for growths, changes in warts or moles, and sores that do not heal. Skin cancer is easily cured when detected and treated early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures
- Persons who smoke cigarettes and are exposed to **Chrysene** may be at increased risk for lung cancer. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Use a Class I, Type B, biological safety hood when mixing, handling, or preparing **Chrysene**.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high efficiency particulate air (HEPA) filter when vacuuming. Do not use a standard shop vacuum.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Chrysene**. Wear personal protective equipment made from material that can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile or Natural Rubber for gloves and DuPont Tyvek®, or the equivalent, as protective material for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear eye protection with side shields or goggles.
- Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.1 mg/m^3** (as *Coal Tar Pitch Volatiles*), use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Where the potential for high exposure exists, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **80 mg/m^3** (as *Coal Tar Pitch Volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- DOES NOT BURN
- Use dry chemical, CO_2, water spray or foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Chrysene** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first or use a HEPA-filter vacuum for clean-up.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Chrysene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Chrysene** you should be trained on its proper handling and storage.

- **Chrysene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
- Store in tightly closed containers in a cool, well-ventilated area.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

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A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values are intended to provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database maintained by federal EPA. The database contains information on human health effects that may result from exposure to various chemicals in the environment.

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mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

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PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

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A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

Common Name: **CHRYSENE**

Synonyms: Benzo(a)phenanthrene
CAS No: 218-01-9
Molecular Formula: $C_{18}H_{12}$
RTK Substance No: 0441
Description: Colorless to white, crystalline solid

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
3 - Health **0 - Fire** **1 - Reactivity** **DOT#:** UN 3077 **ERG Guide #:** 171 **Hazard Class:** 9 (Miscellaneous Hazardous Materials)	DOES NOT BURN Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**Chrysene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).

SPILL/LEAKS

Isolation Distance:
Spill: 25 meters (75 feet)
Fire: 800 meters (1/2 mile)
Moisten spilled material first or use a HEPA-filter vacuum for clean-up.
DO NOT wash into sewer.
May biodegrade in water.

PHYSICAL PROPERTIES

Odor Threshold:	Unknown
Flash Point:	Noncombustible
Vapor Pressure:	6.3 x 10.9 mm Hg at 68°F (20°C)
Specific Gravity:	1.27 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	838°F (448°C)
Melting Point:	491° to 493°F (255° to 256°C)
Ionization Potential:	7.59+/-0.2 eV
Molecular Weight:	228.3

EXPOSURE LIMITS

OSHA:	0.2 mg/m^3, 8-hr TWA
NIOSH:	0.1 mg/m^3, 10-hr TWA
ACGIH:	Lowest level possible
IDLH:	80 mg/m^3

(All of the above as *Coal Tar Pitch Volatile*)

PROTECTIVE EQUIPMENT

Gloves:	Nitrile or Natural Rubber
Coveralls:	DuPont Tyvek®
Respirator:	>0.1 mg/m^3 - Supplied air >80 mg/m3 - SCBA

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation, rash or sunburn with blisters can occur if contaminated skin is exposed to sunlight
Inhalation:	Nose and throat irritation with coughing and wheezing
Chronic:	Cancer (skin, liver, lungs) in animals

FIRST AID AND DECONTAMINATION

Remove the person from exposure.
Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.
Remove contaminated clothing and wash contaminated skin with soap and water.
Transfer to a medical facility.

International Chemical Safety Cards

COPPER

ICSC: 0240

COPPER
(powder)
Cu
Atomic mass: 63.5

CAS # 7440-50-8
RTECS # GL5325000
ICSC # 0240

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Special powder, dry sand, NO other agents.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST!	
• **INHALATION**	Cough. Headache. Shortness of breath. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
• **SKIN**	Redness.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
• **EYES**	Redness. Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• **INGESTION**	Abdominal pain. Nausea. Vomiting.	Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Sweep spilled substance into containers. Carefully collect remainder. Then remove to safe place (extra personal protection: P2 filter respirator for harmful particles).	Separated from: see Chemical Dangers.	

SEE IMPORTANT INFORMATION ON BACK

ICSC: 0240

Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities © IPCS CEC 1993

International Chemical Safety Cards

COPPER

ICSC: 0240

	PHYSICAL STATE; APPEARANCE:	ROUTES OF EXPOSURE:

I M P O R T A N T D A T A	RED POWDER, TURNS GREEN ON EXPOSURE TO MOIST AIR. **PHYSICAL DANGERS:** **CHEMICAL DANGERS:** Shock-sensitive compounds are formed with acetylenic compounds, ethylene oxides and azides. Reacts with strong oxidants like chlorates, bromates and iodates, causing explosion hazard. **OCCUPATIONAL EXPOSURE LIMITS (OELs):** TLV: ppm; 0.2 mg/m^3 fume (ACGIH 1992-1993). TLV (as Cu, dusts & mists): ppm; 1 mg/m^3 (ACGIH 1992-1993).	The substance can be absorbed into the body by inhalation and by ingestion. **INHALATION RISK:** Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when dispersed. **EFFECTS OF SHORT-TERM EXPOSURE:** Inhalation of fume may cause metal fever (see Notes). **EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:** Repeated or prolonged contact may cause skin sensitization.
PHYSICAL PROPERTIES	Boiling point: 2595°C Melting point: 1083°C	Relative density (water = 1): 8.9 Solubility in water: none
ENVIRONMENTAL DATA		

N O T E S

The symptoms of metal fume fever do not become manifest until several hours.

ADDITIONAL INFORMATION

ICSC: 0240 **COPPER**

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- Read the product manu□acturer□s Material Sa□ety Data Sheet □MSDS□and the label to determine product ingredients and important sa□ety and health in□ormation about the product mi□ture.
- For each individual hazardous ingredient, read the New □ersey Department o□Health and Senior Services Hazardous Substance Fact Sheet, available on the RT□ Program website □www.n□gov/health/eoh/rtkweb□or in your □acility□s RT□ Central File or Hazard Communication Standard □ile.
- You have a right to this in□ormation under the New □ersey Worker and Community Right to □now Act and the Public Employees Occupational Sa□ety and Health □PEOSH□Act i□you are a public worker in New □ersey, and under the □ederal Occupational Sa□ety and Health Act □OSHA□i□you are a private worker.
- The New □ersey Right to □now Act re□uires most employers to label chemicals in the workplace and re□uires public employers to provide their employees with in□ormation concerning chemical hazards and controls. The □ederal OSHA Hazard Communication Standard □29 CFR 1910.1200□and the PEOSH Hazard Communication Standard □N.□A.C. 12:100-7□re□uire employers to provide similar in□ormation and training to their employees.

This Fact Sheet is a summary o□available in□ormation regarding the health hazards that may result □rom e□posure. Duration o□e□posure, concentration o□the substance and other □actors will a□ect your susceptibility to any o□the potential e□ects described below.

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Acute Health Effects

The □ollowing acute □short-term□health e□ects may occur immediately or shortly a□ter e□posure to **Dibenz(a,h)Anthracene**:

- Contact can irritate the skin and eyes.
- Prolonged or repeated contact can cause a skin rash, dryness and redness. E□posure to sunlight can greatly aggravate these e□ects.
- Inhaling **Dibenz(a,h)Anthracene** can irritate the nose and throat causing coughing and wheezing.
- E□posure to **Dibenz(a,h)Anthracene** can cause headache, dizziness, nausea and vomiting.

Chronic Health Effects

The □ollowing chronic □long-term□health e□ects can occur at some time a□ter e□posure to **Dibenz(a,h)Anthracene** and can last □or months or years:

Cancer Hazard

- **Dibenz(a,h)Anthracene** is a PROBABLE CARCINOGEN in humans. There is evidence that it causes lung, skin, mammary, and other types o□cancers.
- Many scientists believe there is no sa□e level o□e□posure to a carcinogen.

Reproductive Hazard

- There is limited evidence that **Dibenz(a,h)Anthracene** may damage the developing □etus in animals.

Other Effects

- **Dibenz(a,h)Anthracene** may a□ect the liver and kidneys.

M□d□□□□

Medical Testing

I□symptoms develop or overe□posure is suspected, the □ollowing are recommended:

- Liver and kidney □unction tests

Any evaluation should include a care□ul history o□past and present symptoms with an e□am. Medical tests that look □or damage already done are not a substitute □or controlling e□posure.

Re□uest copies o□your medical testing. You have a legal right to this in□ormation under the OSHA Access to Employee E□posure and Medical Records Standard □29 CFR 1910.1020□.

Mixed Exposures

- More than light alcohol consumption can cause liver damage. Drinking alcohol may increase the liver damage caused by **Dibenz(a,h)Anthracene**.

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Very to□ic chemicals, or those that are reproductive hazards or sensitizers, re□uire e□pert advice on control measures i□a less to□ic chemical cannot be substituted. Control measures include: □1□enclosing chemical processes □or severely irritating and corrosive chemicals, □2□using local e□haust ventilation □or chemicals that may be harm□ul with a single e□posure, and □3□using general ventilation to control e□posures to skin and eye irritants. For □urther in□ormation on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The □ollowing work practices are also recommended:

- Label process containers.
- Provide employees with hazard in□ormation and training.
- Monitor airborne chemical concentrations.
- Use engineering controls i□concentrations e□ceed recommended e□posure levels.
- Provide eye wash □ountains and emergency showers.
- Wash or shower i□skin comes in contact with a hazardous material.
- Always wash at the end o□the workshi□t.
- Change into clean clothing i□clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands care□ully be□ore eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the □ollowing may be use□ul or re□uired:

- Use a Class I, Type B, biological sa□ety hood when mi□ing, handling, or preparing **Dibenz(a,h)Anthracene**.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high e□iciency particulate air □HEPA□ □ilter when vacuuming. Do not use a standard shop vacuum.

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The OSHA Personal Protective E□uipment Standard □29 CFR 1910.132□re□uires employers to determine the appropriate personal protective e□uipment □or each hazard and to train employees on how and when to use protective e□uipment.

The □ollowing recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Dibenz(a,h)Anthracene**. Wear personal protective e□uipment made □rom material which can not be permeated or degraded by this substance. Sa□ety e□uipment suppliers and manu□acturers can provide recommendations on the most protective glove and clothing material □or your operation.
- Sa□ety e□uipment manu□acturers recommend Nitrile and Natural Rubber □or gloves, and Tyvek□, or the e□uivalent, as a protective clothing material.
- All protective clothing □suits, gloves, □ootwear, headgear□ should be clean, available each day, and put on be□ore work.

Eye Protection

- Wear eye protection with side shields or goggles.
- I□additional protection is needed □or the entire □ace, use in combination with a □ace shield. A □ace shield should not be used without another type o□eye protection.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used i□the employer has implemented a written program that takes into account workplace conditions, re□uirements □or worker training, respirator □it testing, and medical e□ams, as described in the OSHA Respiratory Protection Standard □29 CFR 1910.134□.

- At any detectable concentration, use a NIOSH approved negative pressure, air-puri□ying, particulate □ilter respirator with an N, R or P100 □ilter. More protection is provided by a □ull □acepiece respirator than by a hal□-mask respirator, and even greater protection is provided by a powered-air puri□ying respirator.
- Leave the area immediately i□□1□while wearing a □ilter or cartridge respirator you can smell, taste, or otherwise detect **Dibenz(a,h)Anthracene**, □2□while wearing particulate □ilters abnormal resistance to breathing is e□perienced, or □3□eye irritation occurs while wearing a □ull □acepiece respirator. Check to make sure the respirator-to-□ace seal is still good. I□it is, replace the □ilter or cartridge. I□the seal is no longer good, you may need a new respirator.
- Consider all potential sources o□e□posure in your workplace. You may need a combination o□□ilters, pre□ilters or cartridges to protect against di□□erent □orms o□a chemical □such as vapor and mist□or against a mi□ture o□chemicals.
- Where the potential □or high e□posure e□ists, use a NIOSH approved supplied-air respirator with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an au□iliary sel□-contained breathing apparatus or an emergency escape air cylinder.

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I□employees are e□pected to □ight □ires, they must be trained and e□uipped as stated in the OSHA Fire Brigades Standard □29 CFR 1910.156□.

- **Dibenz(a,h)Anthracene** may burn, but does not readily ignite.
- Use dry chemical, CO_2, water spray or □oam as e□tinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep □ire-e□posed containers cool.

[illegible]

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Dibenz(a,h)Anthracene** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Dibenz(a,h)Anthracene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the Federal Environmental Protection Agency (EPA) for specific recommendations.

[illegible]

Prior to working with **Dibenz(a,h)Anthracene** you should be trained on its proper handling and storage.

- A regulated, marked area should be established where **Dibenz(a,h)Anthracene** is handled, used, or stored.
- **Dibenz(a,h)Anthracene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
- Store in tightly closed containers in a cool, well-ventilated area away from SUNLIGHT.
- Sources of ignition, such as smoking and open flames, are prohibited where **Dibenz(a,h)Anthracene** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.

[illegible]

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For more information, please contact:

New Jersey Department of Health & Senior Services
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A **corrosive** substance is a gas, li□uid or solid that causes destruction o□human skin or severe corrosion o□containers.

The **critical temperature** is the temperature above which a gas cannot be li□ue□ied, regardless o□the pressure applied.

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DOT is the Department o□Transportation, the □ederal agency that regulates the transportation o□chemicals.

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Permeated is the movement o□chemicals through protective materials.

ppm means parts o□a substance per million parts o□air. It is a measure o□concentration by volume in air.

Protective Action Criteria □PAC□are values established by the Department o□Energy and are based on AEGLs and ERPGs. They are used □or emergency planning o□chemical release events.

A **reactive** substance is a solid, li□uid or gas that releases energy under certain conditions.

STEL is a Short Term E□posure Limit which is usually a 15-minute e□posure that should not be e□ceeded at any time during a work day.

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UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much □uel □gas or vapor□to begin a reaction or e□plosion.

Vapor Density is the ratio o□the weight o□a given volume o□ one gas to the weight o□another □usually *Air*□, at the same temperature and pressure.

The **vapor pressure** is a □orce e□erted by the vapor in e□uilibrium with the solid or li□uid phase o□the same substance. The higher the vapor pressure the higher concentration o□the substance in air.

Emergency Responders Quick Reference

Common Name: **DIBENZ(a,h)ANTHRACENE**

Synonyms: 1,2,5,6-DBA□1,2,5,6-Dibenzanthracene
CAS No: 53-70-3
Molecular Formula: $C_{22}H_{14}$
RT□ Substance No: 0622
Description: Colorless, white or light yellow, crystalline solid

□ A□ AR□ □□ A□ A□

Hazard Rating	Firefighting	Reactivity
3 - Health **1 - Fire** **0 - Reactivity** **DOT#:** UN 3077 **ERG Guide #:** 171 **Hazard Class:** 9 □Environmentally Hazardous Substance)	**Dibenz(a,h)Anthracene** may burn, but does not readily ignite. Use dry chemical, CO_2, water spray or □oam as e□tinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep □ire-e□posed containers cool.	**Dibenz(a,h)Anthracene** is not compatible with O□IDI□ING AGENTS □such as PERCHLORATES, PERO□IDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE□ Protect □rom SUNLIGHT.

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Isolation Distance:

Spill: 25 meters □75 □eet□

Fire: 800 meters □1/2 mile□

Moisten spilled material □irst or use a HEPA-□ilter vacuum □or clean-up and place into sealed containers □or disposal.

DO NOT wash into sewer.

Dibenz(a,h)Anthracene may bioaccumulate in sea □ood.

□□ □□ I□ A□□□ R□ □□ R□ I□□□

Vapor Pressure:	1 □10^{-10} mm Hg at 68°F □20°C□
Specific Gravity:	1.28 □water □1□
Water Solubility:	Insoluble
Boiling Point:	975°F □524°C□
Melting Point:	511° to 513°F □266° to 267°C□
Molecular Weight:	278.36

□□□□□□ R□□□IMI□□□

No occupational e□posure limits have been established □or **Dibenz(a,h)Anthracene**.

The Protective Action Criteria values are:

PAC-1 □0.0025 mg/m^3
PAC-2 □0.015 mg/m^3
PAC-3 □15 mg/m^3

□R□ □□□□ I□□□□ □ I□ M□ N□□

Gloves:	Nitrile and Natural Rubber
Coveralls:	Tyvek□
Respirator:	Full □acepiece APR with P100 □ilters □15 mg/m^3 - SCBA

□□ A□□□ □□□□□□□□□□

Eyes:	Irritation
Skin:	Irritation, skin rash, dryness and redness
Inhalation:	Nose and throat irritation with coughing and wheezing Headache, dizziness, nausea and vomiting
Chronic:	Cancer □lung, skin, mammary□in animals

□IR□□□AI□ □AN□ □□□□ N□ AMINA□ I□ N□

Remove the person □rom e□posure.

Flush eyes with large amounts o□water □or at least 15 minutes. Remove contact lenses i□worn.

Quickly remove contaminated clothing and wash contaminated skin with large amounts o□soap and water.

Begin arti□icial respiration i□breathing has stopped and CPR i□necessary.

Transfer promptly to a medical □acility.

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **ENDRIN**

CAS Number: 72-20-8
DOT Number: NA 2761

RTK Substance number: 0825
Date: August 1987 Revision: December 1998

HAZARD SUMMARY

* **Endrin** can affect you when breathed in and by passing through your skin.
* Contact can irritate the skin and eyes and may affect vision.
* Breathing **Endrin** can irritate the nose and throat.
* Exposure to **Endrin** can cause nausea, vomiting, diarrhea, loss of appetite, sweating and weakness.
* Exposure can cause headache, lightheadedness, dizziness, convulsions (fits) and passing out. Lower exposure can affect concentration, memory and muscle coordination.
* **Endrin** may damage the nervous system causing numbness, "pins and needles," and/or weakness in the hands and feet.
* Repeated exposure may cause personality changes of depression, anxiety or irritability.
* High or repeated exposure may damage the liver.

IDENTIFICATION

Endrin is a white, crystalline (sugar or sand-like), odorless solid. It is used as an insecticide and to kill rodents.

REASON FOR CITATION

* **Endrin** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, HHAG and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **0.1 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over an 8-hour workshift.

* **Endrin** may be a teratogen in humans. All contact with this chemical should be reduced to the lowest possible level.
* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Endrin** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Endrin** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Endrin**:

* Contact can irritate the skin and eyes and may affect vision.
* Breathing **Endrin** can irritate the nose and throat.
* Exposure to **Endrin** can cause nausea, vomiting, diarrhea, loss of appetite, sweating and weakness.
* Exposure can cause headache, lightheadedness, dizziness, convulsions (fits) and passing out. Lower exposure can affect concentration, memory and muscle coordination.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Endrin** and can last for months or years:

Cancer Hazard

* There is no evidence that **Endrin** causes cancer in animals. This is based on test results presently available to the New Jersey Department of Health and Senior Services from published studies.

Reproductive Hazard

* **Endrin** may damage the developing fetus.

Other Long-Term Effects

* **Endrin** may damage the nervous system causing numbness, "pins and needles," and/or weakness in the hands and feet.
* Repeated exposure may cause personality changes of depression, anxiety or irritability.
* High or repeated exposure may damage the liver.

MEDICAL

Medical Testing

If symptoms develop or overexposure is suspected, the following are recommended:

* Exam of the nervous system.
* Electroencephalogram (a test for abnormal seizure activity).
* Blood **Endrin** level.
* Liver function tests.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Endrin** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Endrin** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Endrin**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Endrin**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Endrin**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Endrin** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Endrin**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* For field applications check with your supervisor and your safety equipment supplier regarding the appropriate respiratory equipment.
* Where the potential exists for exposure over **0.1 mg/m^3**, use a MSHA/NIOSH approved full facepiece respirator with an organic vapor cartridge and particulate prefilters. Increased protection is obtained from full facepiece powered-air purifying respirators.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Endrin**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential for high exposure exists, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **2 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **2 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?
A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: Who is at the greatest risk from reproductive hazards?
A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Disease and Injury Services
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information
Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation
If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Disease and Injury Services, who can help you find the information you need.

Public Presentations
Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources
The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **ENDRIN**
DOT Number: **NA 2761**
NAERG Code: **151**
CAS Number: **72-20-8**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	1	Not Rated
REACTIVITY	0	Not Rated
POISONOUS GASES ARE PRODUCED IN FIRE CONTAINERS MAY EXPLODE IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Endrin** is a noncombustible solid but it may be dissolved in a combustible or flammable liquid.
* Use dry chemical, CO_2, or foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE, including *Phosgene* and *Hydrogen Chloride*.
* CONTAINERS MAY EXPLODE IN FIRE.
* Use water spray to keep fire-exposed containers cool.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Endrin** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate the area of spill after clean-up is complete.
* It may be necessary to contain and dispose of **Endrin** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

HANDLING AND STORAGE

* Prior to working with **Endrin** you should be trained on its proper handling and storage.
* **Endrin** is not compatible with PARATHION; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC).
* Store in tightly closed containers in a cool, well-ventilated area away from HEAT.

FIRST AID

In NJ, POISON INFORMATION 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash area with large amounts of soap and water. Seek medical attention immediately.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 2×10^{-7} mm Hg at 77°F (25°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

2,7:3,6-Dimethanonaphth 2,3-B Oxirene, 3,4,5,6,9,9-Hexachloro-la, 2,2a,3,6,6a,7,7a-Octahydro-, (la alpha, 2 beta, 2a beta, 3 alpha, 6 alpha, 6a beta, 7 beta, 7a alpha)-

Other Names:

Mendrin; ENT 17,251; Endrex; 1,2,3,4,10,10-Hexachloro-6,7-Epoxy, 1,4,4a,5,6,7,8,8a-Octahydro-1,4-Endo-5,8-Dimethanonaphthalene; Hexadrin

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NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

Material Safety Data Sheet
Ethyl Benzene

ACC# 08780

Section 1 - Chemical Product and Company Identification

MSDS Name: Ethyl Benzene
Catalog Numbers: O2751 1, O2751-1, O27511
Synonyms: Ethylbenzol; Phenylethane
Company Identification:
Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
100-41-4	Ethylbenzene	100	202-849-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear, colorless liquid. Flash Point: 21 deg C.
Warning! Causes eye irritation. **Flammable liquid and vapor.** Causes skin irritation. May be absorbed through intact skin. Aspiration hazard if swallowed. Can enter lungs and cause damage. Causes digestive and respiratory tract irritation. May cause central nervous system depression.
Target Organs: Central nervous system.

Potential Health Effects

Eye: Causes moderate eye irritation. Vapors may cause eye irritation.
Skin: Causes skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. May be absorbed through the skin. Contact with the liquid may cause erythema (redness), exfoliation and vesiculation (blistering).
Ingestion: May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. Vapors may cause dizziness or suffocation.
Chronic: Chronic inhalation may cause effects similar to those of acute inhalation.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.
Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. For large fires, use water spray, fog or alcohol-resistant foam. Contact professional fire-fighters immediately. Cool containers with flooding quantities of water until well after fire is out.
Flash Point: 21 deg C (69.80 deg F)
Autoignition Temperature: 810 deg F (432.22 deg C)
Explosion Limits, Lower:0.8
Upper: 6.7
NFPA Rating: (estimated) Health: 3; Flammability: 4; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a

tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ethylbenzene	100 ppm TWA; 125 ppm STEL	100 ppm TWA; 435 mg/m3 TWA 800 ppm IDLH	100 ppm TWA; 435 mg/m3 TWA

OSHA Vacated PELs: Ethylbenzene: 100 ppm TWA; 435 mg/m3 TWA

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: clear, colorless
Odor: aromatic odor
pH: Not available.
Vapor Pressure: 7.1 mm Hg @ 20 C
Vapor Density: 3.7
Evaporation Rate:<1 (butyl acetate=1)
Viscosity: 0.63 mPa s 20 C
Boiling Point: 277 deg F
Freezing/Melting Point:-139 deg F
Decomposition Temperature: Not available.
Solubility: Insoluble.
Specific Gravity/Density:0.9
Molecular Formula:C8H10
Molecular Weight:106.07

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials: Oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 100-41-4: DA0700000
LD50/LC50:
CAS# 100-41-4:
Draize test, rabbit, eye: 500 mg Severe;
Inhalation, mouse: LC50 = 35500 mg/m3/2H;
Inhalation, rat: LC50 = 55000 mg/m3/2H;
Oral, rat: LD50 = 3500 mg/kg;
Oral, rat: LD50 = 3500 mg/kg;
Skin, rabbit: LD50 = 17800 uL/kg;
.
Oral, rat: LD50 = 5.46
Carcinogenicity:
CAS# 100-41-4:

- **ACGIH:** A3 - Confirmed animal carcinogen with unknown relevance to humans
- **California:** carcinogen, initial date 6/11/04
- **NTP:** Not listed.
- **IARC:** Group 2B carcinogen

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: Mutation in mammalian somatic cells(Rodent,mouse) Lymphocyte = 80 mg/L.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: 14.0 mg/L; 96 Hr.; StaticFish: Fathead Minnow: 12.1 mg/L; 96 Hr.; Flow-throughFish: Bluegill/Sunfish: LC50 =150.0 mg/L; 96 Hr.; Flow-throughWater flea EC50 =2.1 mg/L; 48 Hr.; StaticBacteria: EC50 =9.8 mg/L; 30 minutes; Micotox TestWater flea EC50 =75.0 mg/L; 48 minutes; Static, pH6.7-8.1, 72.0 mg/L CaCO3 Shrimp (mysidoposis bahia), LC50=87.6 mg/L/96hr. Sheepshead minnow LC50=275 mg/L/96hr. Fathead minnow LC50=42.3 mg/L/96hr in hard water &48.5 mg/L/96hr in softwater.
Environmental: Experimental data on the bioconcentration of ethylbenzene include a log BCF of 1.9 in goldfish and the log BCF of 0.67 for clams exposed to the water-soluble fraction of crude oil. Using its octanol/water partition coefficient (log Kow= 3.15) and using a recommended regression equation, one can calculate a log BCF in fish of 2.16 indicating that ethylbenzene should not significantly bioconcentrate in aquatic organisms. Ethylbenzene has a moderate adsorption for soil. The measured Koc for silt loam was 164
Physical: The predominant photochemical reaction of ethylbenzene in the atmosphere is with hydroxyl radicals; the tropospheric half-life for this reaction is 5.5 and 24 hr in the summer and winter, actively. Degradation is somewhat faster under photochemical smog situations. Photooxidation products which have been identified include ethylphenol, benzaldehyde, acetophenone and m- and p-ethylnitrobenzene. Ethylbenzene is resistant to hydrolysis. Ethylbenzene does not significantly absorb light above 290 nm in methanol solution.

Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	ETHYLBENZENE	ETHYL BENZENE
Hazard Class:	3	3
UN Number:	UN1175	UN1175
Packing Group:	II	II
Additional Info:		FLASHPOINT 15C

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 100-41-4 is listed on the TSCA inventory.
Health & Safety Reporting List
CAS# 100-41-4: Effective 6/19/87, Sunset 6/19/97
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 100-41-4: 1000 lb final RQ; 454 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 100-41-4: immediate, delayed, fire.
Section 313
This material contains Ethylbenzene (CAS# 100-41-4, 100%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 100-41-4 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
CAS# 100-41-4 is listed as a Hazardous Substance under the CWA. CAS# 100-41-4 is listed as a Priority Pollutant under the Clean Water Act. CAS# 100-41-4 is listed as a Toxic Pollutant

under the Clean Water Act.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 100-41-4 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Ethylbenzene, a chemical known to the state of California to cause cancer.

California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

XN F

Risk Phrases:

R 11 Highly flammable.
R 20 Harmful by inhalation.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.
S 24/25 Avoid contact with skin and eyes.
S 29 Do not empty into drains.

WGK (Water Danger/Protection)

CAS# 100-41-4: 1

Canada - DSL/NDSL

CAS# 100-41-4 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of B2, D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 100-41-4 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 4/28/1999
Revision #4 Date: 10/03/2005

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Material Safety Data Sheet

Fluoranthene, 93%

ACC# 01667

Section 1 - Chemical Product and Company Identification

MSDS Name: Fluoranthene, 93%
Catalog Numbers: AC345980000, AC345980010, AC345982500
Synonyms:
Company Identification:
Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410
For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
206-44-0	Fluoranthene	93%	205-912-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Not available.
Target Organs: None known.

Potential Health Effects
Eye: May cause eye irritation.
Skin: May cause skin irritation.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.
Inhalation: May cause respiratory tract irritation.
Chronic: Not available.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

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Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.
Flash Point: > 100 deg C (> 212.00 deg F)
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: Not published.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, mist, or vapor. Avoid contact with skin and eyes.
Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Fluoranthene	none listed	none listed	none listed

OSHA Vacated PELs: Fluoranthene: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Not available.
Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing: Wear appropriate protective clothing to minimize contact with skin.
Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder
Appearance: yellow
Odor: odorless

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pH: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 380 - 34.0 deg C @
Freezing/Melting Point:109.00 - 111
Decomposition Temperature: Not available.
Solubility: insoluble
Specific Gravity/Density: Not available.
Molecular Formula:C16H10
Molecular Weight:202.07

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 206-44-0: LL4025000
LD50/LC50:
CAS# 206-44-0:
Oral, rat: LD50 = 2 gm/kg;
Skin, rabbit: LD50 = 3180 mg/kg;
.

Carcinogenicity:
CAS# 206-44-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: No data available.
Mutagenicity: No data available.
Neurotoxicity: No data available.
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: No data available. No information available.
Environmental: No information available.
Physical: No information available.
Other: Biodegradable.

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Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series:

CAS# 206-44-0: waste number U120.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	NOT REGULATED FOR DOMESTIC TRANSPORT	No information available.
Hazard Class:	XCP	
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 206-44-0 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

CAS# 206-44-0: 100 lb final RQ; 45.4 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 206-44-0: immediate.

Section 313

This material contains Fluoranthene (CAS# 206-44-0, 93%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

CAS# 206-44-0 is listed as a Priority Pollutant under the Clean Water Act. CAS# 206-44-0 is listed as a Toxic Pollutant under the Clean Water Act.

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OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 206-44-0 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 206-44-0: No information available.

Canada - DSL/NDSL

CAS# 206-44-0 is listed on Canada's NDSL List.

Canada - WHMIS

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 206-44-0 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 10/27/1999
Revision #4 Date: 3/28/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **FLUORENE**

CAS Number: 86-73-7
DOT Number: None

RTK Substance number: 2993
Date: May 1999

HAZARD SUMMARY

* **Fluorene** can affect you when breathed in.
* **Fluorene** can irritate and burn the eyes and skin.

IDENTIFICATION

Fluorene is white crystalline plates. It is used in resinous products, dyestuffs, and as a chemical intermediate.

REASON FOR CITATION

* **Fluorene** is on the Hazardous Substance List because it is cited by HHAG and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

No occupational exposure limits have been established for **Fluorene**. This does not mean that this substance is not harmful. Safe work practices should always be followed.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Fluorene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Fluorene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Fluorene**:

* **Fluorene** can irritate and burn the eyes and skin.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Fluorene** and can last for months or years:

Cancer Hazard

* **Fluorene** has been tested but further studies are required to determine its ability to cause cancer.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Fluorene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* No chronic (long-term) health effects are known at this time.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Fluorene** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Fluorene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Fluorene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Fluorene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Fluorene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Fluorene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Fluorene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Fluorene**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential for high exposure exists, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **FLUORENE**
DOT Number: **None**
NAERG Code: **None**
CAS Number: **86-73-7**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Fluorene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Fluorene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate area after clean-up is complete.
* It may be necessary to contain and dispose of **Fluorene** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

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HANDLING AND STORAGE

* Prior to working with **Fluorene** you should be trained on its proper handling and storage.
* **Fluorene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
* Store in tightly closed containers in a cool, well-ventilated area away from HEAT.

FIRST AID

In NJ, POISON INFORMATION 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 3.2×10^{-4} mm Hg at 68°F (20°C)
Flash Point: 302°F (151°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Other Names:

2,2'-Methylenebiphenyl; 9H-Fluorene; Diphenylenemethane

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **HEXACHLOROBENZENE**

CAS Number: 118-74-1
DOT Number: UN 2729

RTK Substance number: 0978
Date: November 1988 Revision: July 2001

HAZARD SUMMARY

* **Hexachlorobenzene** can affect you when breathed in and may be absorbed through the skin.
* **Hexachlorobenzene** should be handled as a CARCINOGEN--WITH EXTREME CAUTION.
* Contact can irritate the skin and eyes.
* Breathing **Hexachlorobenzene** can irritate the nose and throat.
* **Hexachlorobenzene** may damage the liver and kidneys and affect the thyroid.
* High or repeated exposure may damage the nervous system and can cause irritability, muscle weakness, tremors, seizures and/or a feeling of "pins and needles" on the skin.
* Repeated exposure can cause permanent skin changes, such as changes in pigment and skin thickening.

IDENTIFICATION

Hexachlorobenzene is a white, needle-like solid. It is used as a wood preservative and a fungicide for treating seeds.

REASON FOR CITATION

* **Hexachlorobenzene** is on the Hazardous Substance List because it is cited by ACGIH, DOT, NTP, DEP, IARC, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

ACGIH: The recommended airborne exposure limit is **0.002 mg/m^3** averaged over an 8-hour workshift.

* **Hexachlorobenzene** may be a CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limit is for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limit listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Hexachlorobenzene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Hexachlorobenzene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Hexachlorobenzene**:

* Contact can irritate the skin and eyes.
* Breathing **Hexachlorobenzene** can irritate the nose and throat.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Hexachlorobenzene** and can last for months or years:

Cancer Hazard

* **Hexachlorobenzene** may be a CARCINOGEN in humans since it has been shown to cause liver and thyroid gland cancers in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

* **Hexachlorobenzene** may damage the developing fetus.

Other Long-Term Effects

* **Hexachlorobenzene** may damage the liver and kidneys and affect the thyroid.
* High or repeated exposure may damage the nervous system and can cause irritability, difficulty with walking and coordination, muscle weakness, tremors, seizures and/or a feeling of "pins and needles" on the skin.
* Repeated exposure can cause permanent skin changes, such as changes in pigment, skin thickening, easy wrinkling, skin scarring, fragile skin, and increased hair growth.

MEDICAL

Medical Testing

If symptoms develop or overexposure is suspected, the following are recommended:

* Liver and kidney function tests.
* Thyroid function tests.
* Exam of the nervous system.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* *Iron* as a dietary supplement could increase liver damage caused by **Hexachlorobenzene**. Consult your physician before taking *Iron* supplements.

Conditions Made Worse By Exposure

* Sunlight will worsen the effects of **Hexachlorobenzene** on your skin.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Hexachlorobenzene** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Hexachlorobenzene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Hexachlorobenzene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Hexachlorobenzene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Hexachlorobenzene**, whether or not known skin contact has occurred.

* Do not eat, smoke, or drink where **Hexachlorobenzene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Hexachlorobenzene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* For field applications check with your supervisor and your safety equipment supplier regarding the appropriate respiratory equipment.
* Where the potential exists for exposure over **0.002 mg/m^3**, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?

A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: Who is at the greatest risk from reproductive hazards?

A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **HEXACHLOROBENZENE**
DOT Number: **UN 2729**
NAERG Code: **152**
CAS Number: **118-74-1**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	1	-
REACTIVITY	0	-
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE CONTAINERS MAY EXPLODE IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Hexachlorobenzene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE, including *Hydrogen Chloride*.
* CONTAINERS MAY EXPLODE IN FIRE.
* Use water spray to keep fire-exposed containers cool.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Hexachlorobenzene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Hexachlorobenzene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

HANDLING AND STORAGE

* Prior to working with **Hexachlorobenzene** you should be trained on its proper handling and storage.
* **Hexachlorobenzene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and METALS.
* At temperatures above 149°F (65°C), **Hexachlorobenzene** reacts violently with DIMETHYLFORMAMIDE.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water. Continue without stopping for at least 30 minutes, occasionally lifting upper and lower lids. Seek medical attention immediately.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 1.09×10^{-5} mm Hg at 68°F (20°C)
Flash Point: 468°F (242°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Benzene, Hexachloro-
Other Names:
HCB; HEXA C.B.; Phenyl Perchloryl; Perchlorobenzene

FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **INDENO (1,2,3-cd) PYRENE**

CAS Number: 193-39-5
DOT Number: UN 3077
DOT Hazard Class: 9 (Environmentally Hazardous Substance)

RTK Substance number: 3052
Date: May 2000 Revision: March 2007

HAZARD SUMMARY

* **Indeno (1,2,3-cd) Pyrene** can affect you when breathed in and may be absorbed through the skin.
* **Indeno (1,2,3-cd) Pyrene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* No acute (short-term) health effects are known at this time.

IDENTIFICATION

Indeno (1,2,3-cd) Pyrene is a yellow plate or needle-shaped solid. It is a research chemical and a component of gasoline engine exhaust and tobacco smoke. There is no commercial production or known use of this compound.

REASON FOR CITATION

* **Indeno (1,2,3-cd) Pyrene** is on the Hazardous Substance List because it is cited by DOT, NTP, DEP, IARC, IRIS and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

No occupational exposure limits have been established for **Indeno (1,2,3-cd) Pyrene**. This does not mean that this substance is not harmful. Safe work practices should always be followed.

* **Indeno (1,2,3-cd) Pyrene** may be a CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* It should be recognized that **Indeno (1,2,3-cd) Pyrene** can be absorbed through your skin, thereby increasing your exposure.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Indeno (1,2,3-cd) Pyrene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Indeno (1,2,3-cd) Pyrene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Indeno (1,2,3-cd) Pyrene**:

* No acute (short-term) health effects are known at this time.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Indeno (1,2,3-cd) Pyrene** and can last for months or years:

Cancer Hazard

* **Indeno (1,2,3-cd) Pyrene** may be a CARCINOGEN in humans since it has been shown to cause skin and lung cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Indeno (1,2,3-cd) Pyrene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Indeno (1,2,3-cd) Pyrene** has not been tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Indeno (1,2,3-cd) Pyrene** from drums or other storage containers to process containers.
* A Class I, Type B, biological safety hood should be used when mixing, handling, or preparing **Indeno (1,2,3-cd) Pyrene**.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Indeno (1,2,3-cd) Pyrene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Indeno (1,2,3-cd) Pyrene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Indeno (1,2,3-cd) Pyrene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Indeno (1,2,3-cd) Pyrene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Indeno (1,2,3-cd) Pyrene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, applying cosmetics, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
* When vacuuming, a high efficiency particulate air (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Indeno (1,2,3-cd) Pyrene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Eye protection is included in the recommended respiratory protection.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

* At <u>any</u> exposure level, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include <u>dust releasing operations</u> (grinding, mixing, blasting, dumping, etc.), <u>other physical and mechanical processes</u> (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and <u>"confined space" exposures</u> (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

CFR is the Code of Federal Regulations, which consists of the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

IRIS is the Integrated Risk Information System database of the federal EPA.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **INDENO (1,2,3-cd) PYRENE**
DOT Number: **UN 3077**
DOT Hazard Class: **9 (Environmentally Hazardous Substance)**
NAERG Code: **171**
CAS Number: **193-39-5**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* Extinguish fire using an agent suitable for type of surrounding fire. **Indeno (1,2,3-cd) Pyrene** itself does not burn.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

SPILLS AND EMERGENCIES

If **Indeno (1,2,3-cd) Pyrene** is spilled, take the following steps:

* Evacuate personnel and secure and control entrance to the area.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Indeno (1,2,3-cd) Pyrene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Indeno (1,2,3-cd) Pyrene** you should be trained on its proper handling and storage.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.

PHYSICAL DATA

Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Indeno [1,2,3-cd] Pyrene
Other Names:
1,10-(1,2-Phenylene)Pyrene; o-Phenylenepyrene

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NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **IRON OXIDE**

CAS Number: 1309-37-1
DOT Number: None
DOT Hazard Class: None

RTK Substance number: 1036
Date: August 1998 Revision: May 2007

HAZARD SUMMARY

* **Iron Oxide** can affect you when breathed in.
* Exposure to **Iron Oxide** *fumes* can cause metal fume fever. This is a flu-like illness with symptoms of metallic taste, fever and chills, aches, chest tightness and cough.
* Prolonged or repeated contact can discolor the eyes causing permanent *Iron* staining.
* Repeated exposure to **Iron Oxide** *fume* or *dust* can cause pneumoconiosis (*Siderosis*) with cough, shortness of breath and changes on chest x-ray.
* **Iron Oxide** as *Ferric Oxide* (Fe_2O_3) is not combustible, unless finely powdered. However, *Ferrous Oxide* (FeO) is extremely flammable and reactive, and may ignite spontaneously in air.

IDENTIFICATION

Iron Oxide is a black crystal or a reddish-brown powder. It is used in polishing compounds, pigments, and metallurgy. **Iron Oxide** *fume* is produced when materials containing *Iron* are heated, as in arc welding. DOT number UN 1376 refers to *Ferrous Oxide* (FeO), *Iron Oxide* (*Spent*) or *Iron Sponge*. *Ferrous Oxide* (FeO) may be formed in *Oxygen*-limited atmospheres, in flue gas, and from coal gas purification. *Iron Oxide* (*Spent*) or *Iron Sponge* is produced when *Iron Ore* is heated below the melting point of *Iron*. With further processing, they become *Wrought Iron*.

REASON FOR CITATION

* **Iron Oxide** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, NIOSH and IARC.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

The following exposure limits are for **Iron Oxide** (measured as *Iron*):

OSHA: The legal airborne permissible exposure limit (PEL) is **10 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **5 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **5 mg/m^3** (as the *respirable fraction*) averaged over an 8-hour workshift.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Iron Oxide** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Metal, metal compounds and alloys are often used in "hot" operations in the workplace. These may include, but are not limited to, welding, brazing, soldering, plating, cutting, and metallizing. At the high temperatures reached in these operations, metals often form metal fumes which have different health effects and exposure standards than the original metal or metal compound and require specialized controls. Your workplace can be evaluated for the presence of particular fumes which may be generated. Consult the appropriate New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheets.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Iron Oxide**:

* Exposure to **Iron Oxide** *fumes* can cause metal fume fever. This is a flu-like illness with symptoms of metallic taste, fever and chills, aches, chest tightness and cough.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Iron Oxide** and can last for months or years:

Cancer Hazard

* While **Iron Oxide** has been tested, it is not classifiable as to its potential to cause cancer.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Iron Oxide** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* Prolonged or repeated contact can discolor the eyes, causing permanent *Iron* staining.
* Repeated exposure to **Iron Oxide** *fume* or *dust* can cause pneumoconiosis (*Siderosis*) with cough, shortness of breath and changes on chest x-ray.

MEDICAL

Medical Testing

For those with frequent or potentially high exposure (half the PEL or greater), the following are recommended before beginning work and at regular times after that:

* Lung function tests

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures

* Because smoking can cause heart disease, as well as lung cancer, emphysema, and other respiratory problems, it may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Iron Oxide** from drums or other storage containers to process containers.
* Before entering a confined space where *Ferrous Oxide* (FeO) may be present, check to make sure that an explosive concentration does not exist.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Iron Oxide** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Iron Oxide**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Iron Oxide**, immediately wash or shower to remove the chemical.

* Do not eat, smoke, or drink where **Iron Oxide** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, applying cosmetics, smoking, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Iron Oxide**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

* Where the potential exists for exposure over **5 mg/m^3** (as *Iron*), use a NIOSH approved air-purifying particulate filter respirator with a N95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Iron Oxide**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential exists for exposure over **50 mg/m^3** (as *Iron*), use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **2,500 mg/m^3** (as *Iron*) is immediately dangerous to life and health. If the possibility of exposure above **2,500 mg/m^3** (as *Iron*) exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

CFR is the Code of Federal Regulations, which consists of the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

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The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

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NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **IRON OXIDE**
DOT Number: **None**
DOT Hazard Class: **None**
NAERG Code: **No Citation**
CAS Number: **1309-37-1**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	0 (Fe_2O_3) 4 (FeO)	-
REACTIVITY	0 (Fe_2O_3) 2 (FeO)	-
DOES NOT BURN CONTAINERS MAY EXPLODE IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Iron Oxide** (*Ferric Oxide* or Fe_2O_3) is not combustible. **Iron Oxide** or *Ferrous Oxide* (FeO) from coal gas purification and flue gas are flammable and spontaneously combustible in air.
* Extinguish fire using an agent suitable for type of surrounding fire.
* CONTAINERS MAY EXPLODE IN FIRE.
* Use water spray to keep fire-exposed containers cool.
* If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

SPILLS AND EMERGENCIES

If **Iron Oxide** is spilled, take the following steps:

* Evacuate personnel and secure and control entrance to the area.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* It may be necessary to contain and dispose of **Iron Oxide** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Iron Oxide** you should be trained on its proper handling and storage.
* **Iron Oxide**, in *powdered* form, is not compatible with CALCIUM HYPOCHLORITE; CARBON MONOXIDE; NITRIC ACID; SULFUR DIOXIDE; ALUMINUM; ETHYLENE OXIDE; HYDRAZINE; HYDROGEN PEROXIDE; ACETYLIDES; HYDROGEN SULFIDE; PERFORMIC ACID; CESIUM CARBIDE; and BROMINE PENTAFLUORIDE.
* Store in tightly closed containers in a cool, well-ventilated area away from HEAT or temperatures above 140°F (60°C).

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention immediately.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Iron Oxide (Fe_2O_3)

Other Names:

Iron (III) Oxide; Ferric Oxide; Burnt Sienna; Jeweler's Rouge

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NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

Material Safety Data Sheet

p-Cymene, 98%

ACC# 95901

Section 1 - Chemical Product and Company Identification

MSDS Name: p-Cymene, 98%
Catalog Numbers: AC111760000, AC111760010, AC111760025, AC111762500
Synonyms: Dolcymene; p-isopropyltoluene;isopropyl methylbenzene
Company Identification:
Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410
For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
99-87-6	P-CYMENE	98	202-796-7

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear, colorless liquid. Flash Point: 47 deg C.
Warning! Flammable liquid and vapor. Causes eye, skin, and respiratory tract irritation. May be absorbed through intact skin. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause central nervous system effects.
Target Organs: Central nervous system.

Potential Health Effects

Eye: May cause eye irritation.
Skin: Causes skin irritation. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. May be absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Causes respiratory tract irritation. May cause narcotic effects in high concentration. May cause drowsiness, unconsciousness, and central nervous system depression.
Chronic: Chronic inhalation may cause effects similar to those of acute inhalation. Prolonged or repeated skin contact may cause defatting and dermatitis.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Possible aspiration hazard. Get medical aid immediately.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Containers may explode in the heat of a fire. Flammable liquid and vapor.
Extinguishing Media: Use water spray to cool fire-exposed containers. Water may be ineffective. Use water spray, dry chemical, carbon dioxide, or chemical foam.
Flash Point: 47 deg C (116.60 deg F)
Autoignition Temperature: 435 deg C (815.00 deg F)
Explosion Limits, Lower:.70 vol %
Upper: 5.60 vol %
NFPA Rating: 1 - health, 2 - flammability, 0 - instability

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs

P-CYMENE	none listed	none listed	none listed

OSHA Vacated PELs: P-CYMENE: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: clear, colorless
Odor: Lemon-type
pH: Not available.
Vapor Pressure: 1 mm Hg @17.3C
Vapor Density: 4.62 (air=1)
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 176 - 178 deg C @ 760.00mm Hg
Freezing/Melting Point:-68 deg C
Decomposition Temperature: Not available.
Solubility: practically insoluble in water
Specific Gravity/Density:.8600g/cm3
Molecular Formula:C10H14
Molecular Weight:134.22

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials: Strong oxidizing agents
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:
CAS# 99-87-6: GZ5950000
LD50/LC50:
CAS# 99-87-6:
Draize test, rabbit, skin: 500 mg/24H Moderate;
Inhalation, mouse: LC50 = 19500 mg/m3;
Oral, mouse: LD50 = 1695 mg/kg;
Oral, rat: LD50 = 4750 mg/kg;

Oral, rat: LD50 = 3669 mg/kg;
.

Carcinogenicity:
CAS# 99-87-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: Genotoxicity:see The Dictionary of Substances and their Effects, 1992
Neurotoxicity: No information available.
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: No data available. Bioaccumulation:Readily biodegradableAbiotic removal:Evaporation rate relative to n-butyl-acetate which has been assigned a value of 1 at 25°C is 0.14 (The Dictionary of Substances and their Effects, 1992)
Environmental: No information available.
Physical: No information available.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	CYMENES	No information available.
Hazard Class:	3	
UN Number:	UN2046	
Packing Group:	III	

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 99-87-6 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 99-87-6: immediate, fire.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 99-87-6 can be found on the following state right to know lists: Pennsylvania, Massachusetts.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

XI F

Risk Phrases:

R 10 Flammable.
R 37/38 Irritating to respiratory system and skin.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

WGK (Water Danger/Protection)

CAS# 99-87-6: No information available.

Canada - DSL/NDSL

CAS# 99-87-6 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of B3, D2B.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

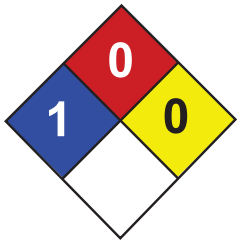
Canadian Ingredient Disclosure List

CAS# 99-87-6 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 9/02/1997
Revision #4 Date: 11/20/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.



Health	1
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Lead MSDS

Section 1: Chemical Product and Company Identification

Product Name: Lead

Catalog Codes: SLL1291, SLL1669, SLL1081, SLL1459, SLL1834

CAS#: 7439-92-1

RTECS: OF7525000

TSCA: TSCA 8(b) inventory: Lead

CI#: Not available.

Synonym: Lead Metal, granular; Lead Metal, foil; Lead Metal, sheet; Lead Metal, shot

Chemical Name: Lead

Chemical Formula: Pb

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Lead	7439-92-1	100

Toxicological Data on Ingredients: Lead LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Non-flammable in presence of open flames and sparks, of shocks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits highly toxic fumes of lead.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.05 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.05 (mg/m3) from OSHA (PEL) [United States] TWA: 0.03 (mg/m3) from NIOSH [United States] TWA: 0.05 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 207.21 g/mole

Color: Bluish-white. Silvery. Gray

pH (1% soln/water): Not applicable.

Boiling Point: 1740°C (3164°F)

Melting Point: 327.43°C (621.4°F)

Critical Temperature: Not available.

Specific Gravity: 11.3 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, excess heat

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Incompatible with sodium carbide, chlorine trifluoride, trioxane + hydrogen peroxide, ammonium nitrate, sodium azide, disodium acetylide, sodium acetylide, hot concentrated nitric acid, hot concentrated hydrochloric acid, hot concentrated sulfuric acid, zirconium.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. May cause damage to the following organs: blood, kidneys, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential: Skin: Lead metal granules or dust: May cause skin irritation by mechanical action. Lead metal foil, shot or sheets: Not likely to cause skin irritation Eyes: Lead metal granules or dust: Can irritate eyes by mechanical action. Lead metal foil, shot or sheets: No hazard. Will not cause eye irritation. Inhalation: In an industrial setting, exposure to lead mainly occurs from inhalation of dust or fumes. Lead dust or fumes: Can irritate the upper respiratory tract (nose, throat) as well as the bronchi and lungsby mechanical action. Lead dust can be absorbed through the respiratory system. However, inhaled lead does not accumulate in the lungs. All of an inhaled dose is eventually abssorbed or transferred to the gastrointestinal tract. Inhalation effects of exposure to fumes or dust of inorganic lead may not develop quickly. Symptoms may include metallic taste, chest pain, decreased physical fitness, fatigue, sleep disturbance, headache, irritability, reduces memory, mood and personality changes, aching bones and muscles, constipation, abdominal pains, decreasing appetite. Inhalation of large amounts may lead to ataxia, deliriuim, convulsions/seizures, coma, and death. Lead metal foil, shot, or sheets: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count. Ingestion: Lead metal granules or dust: The symptoms of lead poisoning include abdominal pain or cramps (lead cholic), spasms, nausea, vomiting, headache, muscle weakness, hallucinations, distorted perceptions, "lead line" on the gums, metallic taste, loss of appetite, insomnia, dizziness and other symptoms similar to that of inhalation. Acute poisoning may result in high lead levels in the blood and urine, shock, coma and death in extreme cases. Lead metal foil, shot or sheets: Not an ingestion hazard for usual industrial handling.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Lead California prop. 65 (no significant risk level): Lead: 0.0005 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Lead Connecticut hazardous material survey.: Lead Illinois toxic substances disclosure to employee act: Lead Illinois chemical safety act: Lead New York release reporting list: Lead Rhode Island RTK hazardous substances: Lead Pennsylvania RTK: Lead

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R20/22- Harmful by inhalation and if swallowed. R33- Danger of cumulative effects. R61- May cause harm to the unborn child. R62- Possible risk of impaired fertility. S36/37- Wear suitable protective clothing and gloves. S44- If you feel unwell, seek medical advice (show the label when possible). S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:21 PM

Last Updated: 06/09/2012 12:00 PM

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Right to Know
Hazardous Substance Fact Sheet

Common Name: **MAGNESIUM**

Synonyms: None

Chemical Name: Magnesium

Date: September 1999 Revision: June 2008

CAS Number: 7439-95-4

RTK Substance Number: 1136

DOT Number: UN 1869
UN 1418 (Powder)

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Description and Use

Magnesium is a light, silvery-white metal which can be in the form of a gray powder, thin sheet or chip. It is used in making structural metals, die-cast auto parts, missiles, precision instruments and optical mirrors, flashbulbs, flares, pyrotechnics, and batteries.

Reasons for Citation

- **Magnesium** is on the Right to Know Hazardous Substance List because it is cited by DOT and NFPA.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

Skin Contact

- Remove contaminated clothing and wash contaminated skin with soap and water.

Inhalation

- Remove the person from exposure.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	1	0
FLAMMABILITY	-	1
REACTIVITY	-	1

MAY SPONTANEOUSLY IGNITE
POISONOUS GASES ARE PRODUCED IN FIRE
DO NOT USE WATER, CO_2, FOAM OR HALOGENATED AGENTS

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **Magnesium** *dust* or *fume* can affect you when inhaled.
- Contact can irritate the skin and eyes.
- Inhaling **Magnesium** can irritate the nose, throat and lungs.
- Exposure to **Magnesium** may cause a flu-like illness called "*metal fume fever.*"
- Repeated exposure to the *dust* can cause **Magnesium** to accumulate in the body. This will cause an upset stomach.
- **Magnesium** POWDER, SHEETS and CHIPS may SPONTANEOUSLY IGNITE on contact with AIR or MOISTURE.

Workplace Exposure Limits

The following exposure limits are for *Magnesium Oxide*:

OSHA: The legal airborne permissible exposure limit (PEL) is **15 mg/m^3** (as *total particulate*) averaged over an 8-hour workshift.

ACGIH: The threshold limit value (TLV) is **10 mg/m^3** (as the *inhalable fraction*) averaged over an 8-hour workshift.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Magnesium**:

- Contact can irritate the skin and eyes.
- Inhaling **Magnesium** can irritate the nose, throat and lungs causing tightness in the chest and/or difficulty in breathing.
- Exposure to **Magnesium** may cause *"metal fume fever."* This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Magnesium** and can last for months or years:

Cancer Hazard

- According to the information presently available to the New Jersey Department of Health and Senior Services, **Magnesium** has not been tested for its ability to cause cancer in animals.

Reproductive Hazard

- According to the information presently available to the New Jersey Department of Health and Senior Services, **Magnesium** has not been tested for its ability to affect reproduction.

Other Effects

- Repeated exposure to the *dust* can cause **Magnesium** to accumulate in the body. This will cause an upset stomach.

Medical

Medical Testing

There is no special test for this chemical. However, seek medical attention if illness occurs or overexposure is suspected.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Before entering a confined space where **Magnesium** *powder* may be present, check to make sure that an explosive concentration does not exist.
- Use a vacuum for **Magnesium** *powder* to reduce dust during clean-up. DO NOT DRY SWEEP.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Magnesium**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile and Natural Rubber for gloves and DuPont Tyvek®, or the equivalent, as a protective material for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear eye protection with side shields or goggles.
- Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **10 mg/m^3** (as *Magnesium Oxide*), use a NIOSH approved air-purifying, particulate filter respirator with an N95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Magnesium**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **100 mg/m^3** (as *Magnesium Oxide*), use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **750 mg/m^3** (as *Magnesium Oxide*) is immediately dangerous to life and health. If the possibility of exposure above **750 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Magnesium** POWDER, SHEETS and CHIPS may SPONTANEOUSLY IGNITE on contact with AIR or MOISTURE.
- Use Class D fire extinguishers or dry sand, clay, graphite, or limestone to fight fires.
- DO NOT USE WATER, CO_2, foam or halogenated extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- FIRE MAY RESTART AFTER IT HAS BEEN EXTINGUISHED.
- CONTAINERS MAY EXPLODE IN FIRE.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Magnesium** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Collect powdered material in the most convenient and safe manner, or use a HEPA-filter vacuum, and deposit in sealed containers.
- DO NOT USE WATER OR WET METHOD.
- Ventilate area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Magnesium** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Magnesium** you should be trained on its proper handling and storage.

- *Finely divided* **Magnesium** reacts with WATER, MOISTURE, STEAM and ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) to release flammable and explosive *Hydrogen gas*.
- *Finely divided* **Magnesium** ignites on contact with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and AMMONIA; and reacts vigorously or explosively (and may form explosive compounds) with ACETYLENIC COMPOUNDS (such as ACETYLENE and ETHYLENE OXIDE); HALOCARBONS (such as CHLOROFORM and CHLOROMETHANE); AMMONIA NITRATE; CARBONATES; ARSENIC; METAL OXIDES; METAL SULFATES; OXYGEN; METAL CYANIDES; PHOSPHATES, and many other substances.
- **Magnesium** is AIR and MOISTURE sensitive.
- Store in tightly closed containers in a cool, well-ventilated area and protect from SHOCK and FRICTION.
- Sources of ignition, such as smoking and open flames, are prohibited where **Magnesium** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.
- Use explosion-proof electrical equipment and fittings wherever **Magnesium** is used, handled, manufactured, or stored.
- Use only non-sparking tools and equipment, especially when opening and closing containers of **Magnesium**.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

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GLOSSARY

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Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

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A **combustible** substance is a solid, liquid or gas that will burn.

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ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values are intended to provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

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LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

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OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

Common Name: **MAGNESIUM**

Synonyms: None
CAS No: 7439-95-4
Molecular Formula: Mg
RTK Substance No: 1136
Description: Light, silvery-white metal which can be in the form of a gray powder, thin sheet or chip

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
1 - Health **1 - Fire** **1 - Reactivity** **DOT#:** UN 1869 UN 1418 (powder) **ERG Guide #: 138** **Hazard Class:** 4.1 and 4.3 UN 1869 (Flammable) UN 1418 (Water Reactive)	**Magnesium** POWDER, SHEETS and CHIPS MAY SPONTANEOUSLY IGNITE on contact with AIR or MOISTURE. Use Class D fire extinguishers or dry sand, clay, graphite, or limestone to fight fires. DO NOT USE WATER, CO_2, foam or halogenated extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. FIRE MAY RESTART AFTER IT HAS BEEN EXTINGUISHED.	*Finely divided* **Magnesium** reacts with WATER, MOISTURE, STEAM and ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) to release flammable and explosive *Hydrogen gas.* *Finely divided* **Magnesium** ignites on contact with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and AMMONIA; and reacts vigorously or explosively (and may form explosive compounds) with ACETYLENIC COMPOUNDS (such as ACETYLENE and ETHYLENE OXIDE); HALOCARBONS (such as CHLOROFORM and CHLOROMETHANE); AMMONIA NITRATE; CARBONATES; ARSENIC; METAL OXIDES; METAL SULFATES; OXYGEN; METAL CYANIDES; PHOSPHATES, and many other substances. **Magnesium** is AIR and MOISTURE sensitive.

SPILL/LEAKS

Isolation Distance:

Spills: 25 meters (75 feet)

Fires: 800 meters (1/2 mile)

Collect powdered material in the most convenient and safe manner, or use a HEPA-filter vacuum, and deposit in sealed containers.

DO NOT wash into sewer.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Flammable powder
Auto Ignition Temp:	883°F (473°C)
Vapor Density:	1.7 (air = 1)
Vapor Pressure:	1 mm Hg at 1,149°F (621°C)
Specific Gravity:	1.74 (water = 1)
Water Solubility:	Insoluble, Reactive
Boiling Point:	2,012°F (1,100°C)
Molecular Weight:	24.3

EXPOSURE LIMITS

OSHA:	15 mg/m^3, 8-hr TWA
NIOSH:	None
ACGIH:	10 mg/m^3, 8-hr TWA
IDLH:	750 mg/m^3

All of the above are for *Magnesium Oxide*

PROTECTIVE EQUIPMENT

Gloves:	Nitrile and Natural Rubber
Coveralls:	DuPont Tyvek®
Respirator:	>10 mg/m^3 - APR with High efficiency filter >100 mg/m^3 - Supplied air

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation
Inhalation:	Nose, throat and lung irritation with coughing and difficulty in breathing Headache, fever and chills, chest tightness

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Remove contaminated clothing and wash contaminated skin with soap and water.

Transfer to a medical facility.

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- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the Federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

[illegible]

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Manganese**:

- Contact can irritate the skin and eyes.
- Inhaling **Manganese** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
- Exposure to **Manganese** can cause *"metal fume fever."* This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Manganese** and can last for months or years:

Cancer Hazard

- While **Manganese** has been tested, it is not classifiable as to its potential to cause cancer.

Reproductive Hazard

- **Manganese** may damage the testes (male reproductive glands) and may decrease fertility in males.

Other Effects

- Repeated exposure can cause permanent brain damage. Early symptoms include poor appetite, weakness and sleepiness. Later effects include changes in speech, balance, mood and personality, loss of facial expressions, poor muscle coordination, muscle cramps, twitching and tremors. The later symptoms are identical to Parkinson's disease.
- Prolonged or repeated exposure can lead to permanent lung damage.
- **Manganese** may affect the liver and may cause anemia.

[illegible]

Medical Testing

For frequent or potentially high exposure (half the TLV or greater), the following are recommended before beginning work and at regular times after that:

- Exam of the nervous system
- Chest X-ray and lung function tests

If symptoms develop or overexposure is suspected, the following are recommended:

- Liver function tests
- Complete blood count
- Evaluate for brain effects such as changes in memory, concentration, sleeping patterns and mood (especially irritability and social withdrawal), as well as for headaches and fatigue. Consider evaluations of the cerebellar, autonomic and peripheral nervous systems. Positive and borderline individuals should be referred for neuropsychological testing.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are <u>not</u> a substitute for controlling exposure.

You have a legal right to request copies of your medical testing under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol may increase the liver damage caused by **Manganese**.

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Very to□ic chemicals, or those that are reproductive hazards or sensitizers, re□uire e□pert advice on control measures i□a less to□ic chemical cannot be substituted. Control measures include: □1□enclosing chemical processes □or severely irritating and corrosive chemicals, □2□using local e□haust ventilation □or chemicals that may be harm□ul with a single e□posure, and □3□using general ventilation to control e□posures to skin and eye irritants. For □urther in□ormation on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The □ollowing work practices are also recommended:

- Label process containers.
- Provide employees with hazard in□ormation and training.
- Monitor airborne chemical concentrations.
- Use engineering controls i□concentrations e□ceed recommended e□posure levels.
- Provide eye wash □ountains and emergency showers.
- Wash or shower i□skin comes in contact with a hazardous material.
- Always wash at the end o□the workshi□t.
- Change into clean clothing i□clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands care□ully be□ore eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the □ollowing may be use□ul or re□uired:

- Be□ore entering a con□ined space where **Manganese** *powder* and *dust* may be present, check to make sure that an e□plosive concentration does not e□ist.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

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The OSHA Personal Protective E□uipment Standard □29 CFR 1910.132□re□uires employers to determine the appropriate personal protective e□uipment □or each hazard and to train employees on how and when to use protective e□uipment.

The □ollowing recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Manganese**. Wear personal protective e□uipment made □rom material that can not be permeated or degraded by this substance. Sa□ety e□uipment suppliers and manu□acturers can provide recommendations on the most protective glove and clothing material □or your operation.
- The recommended glove materials □or **Manganese** are Nitrile and Neoprene.
- The recommended protective clothing material □or **Manganese** is Tyvek□, or the e□uivalent.
- All protective clothing □suits, gloves, □ootwear, headgear□ should be clean, available each day, and put on be□ore work.

Eye Protection

- Wear direct vent goggles when airborne particles or dust are present.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used i□the employer has implemented a written program that takes into account workplace conditions, re□uirements □or worker training, respirator □it testing, and medical e□ams, as described in the OSHA Respiratory Protection Standard □29 CFR 1910.134□. **Only NIOSH approved respirators should be used.**

- Where the potential e□ists □or e□posure over **0.02 mg/m^3** □as the *respirable fraction)* or **0.2 mg/m^3** □as the *inhalable fraction),* use a negative pressure, air-puri□ying, particulate □ilter respirator with an N, R or P95 □ilter. More protection is provided by a □ull □acepiece respirator than by a hal□-mask respirator, and even greater protection is provided by a powered-air puri□ying respirator.
- Leave the area immediately i□□1□while wearing a □ilter or cartridge respirator you can smell, taste, or otherwise detect **Manganese**, □2□while wearing particulate □ilters abnormal resistance to breathing is e□perienced, or □3□eye irritation occurs while wearing a □ull □acepiece respirator. Check to make sure the respirator-to-□ace seal is still good. I□it is, replace the □ilter or cartridge. I□the seal is no longer good, you may need a new respirator.
- Consider all potential sources o□e□posure in your workplace. You may need a combination o□□ilters, pre□ilters or cartridges to protect against di□erent □orms o□a chemical □such as vapor and mist□or against a mi□ture o□chemicals.
- Where the potential □or high e□posure e□ists, use a supplied-air respirator with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an au□iliary sel□-contained breathing apparatus or an emergency escape air cylinder.
- E□posure to **500 mg/m^3** is immediately dangerous to li□e and health. I□the possibility o□e□posure above **500 mg/m^3** e□ists, use a sel□-contained breathing apparatus with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode e□uipped with an emergency escape air cylinder.

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I□employees are e□pected to □ight □ires, they must be trained and e□uipped as stated in the OSHA Fire Brigades Standard □29 CFR 1910.156□.

- **Manganese** *powder* and *dust* are FLAMMABLE and DANGEROUS FIRE HA□ARDS.
- Use sand or dry chemicals appropriate □or e□tinguishing metal □ires.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Manganese Oxides*.
- **Manganese** *powder* and *dust* may □orm an ignitable vapor/air mi□ture in closed tanks or containers.
- Use water spray to keep □ire-e□posed containers cool.

[illegible]

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Manganese** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Collect powdered material in the most convenient and safe manner and place into sealed containers for disposal.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Manganese** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the Federal Environmental Protection Agency (EPA) for specific recommendations.

[illegible]

Prior to working with **Manganese** you should be trained on its proper handling and storage.

- *Finely divided* **Manganese** *dust* can ignite spontaneously in AIR.
- **Manganese** reacts with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC), and slowly with WATER or STEAM, to produce flammable and explosive *Hydrogen gas*.
- **Manganese** may react with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE), NITROGEN DIOXIDE, PHOSPHORUS, and SULFUR DIOXIDE to cause ignition and/or violent decomposition.
- Store in tightly closed containers in a cool, well-ventilated area away from WATER and MOISTURE.
- Sources of ignition, such as smoking and open flames, are prohibited where **Manganese** *powder* is used, handled, or stored.
- Ground and bond containers when transferring **Manganese** *powder*.
- Use only non-sparking tools and equipment, especially when opening and closing containers of **Manganese** *powder*.

[illegible]

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The **critical temperature** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

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PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

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STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Emergency Responders Quick Reference

R rd

Common Name: **MANGANESE**

Synonyms: Colloidal Manganese
CAS No: 7439-96-5
Molecular Formula: Mn
RTK Substance No: 1155
Description: Pure **Manganese** is a silver or grey-white, brittle solid

A AR A A

Hazard Rating	Firefighting	Reactivity
2- Health **3 (powder)- Fire** **1- Reactivity** **DOT#:** UN 3089 **ERG Guide #:** 170 **Hazard Class:** 4.1 Flammable solid	**Manganese** *powder* and *dust* are FLAMMABLE and DANGEROUS FIRE HAZARDS. Use sand or dry chemicals appropriate for extinguishing metal fires. POISONOUS GASES ARE PRODUCED IN FIRE, including *Manganese Oxides*. **Manganese** *powder* and *dust* may form an ignitable vapor/air mixture in closed tanks or containers. Use water spray to keep fire-exposed containers cool.	*Finely divided* **Manganese** *dust* can ignite spontaneously in AIR. **Manganese** reacts with STRONG ACIDS such as HYDROCHLORIC, SULFURIC and NITRIC, and slowly with WATER or STEAM, to produce flammable and explosive *Hydrogen gas*. **Manganese may** react with OXIDIZING AGENTS such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE, NITROGEN DIOXIDE, PHOSPHORUS and SULFUR DIOXIDE to cause ignition and/or violent decomposition.

I A

Isolation Distance:

Spill: 25 meters (75 feet)
Fire: 800 meters (1/2 mile)

Collect powdered material in the most convenient and safe manner and place into sealed containers for disposal.
Ground and bond containers when transferring **Manganese** *powder*.
Use only non-sparking tools and equipment.
DO NOT wash into sewer.
Manganese may be hazardous to the environment, especially to aquatic organisms.

I A R R I

Flash Point:	Flammable *powder* and *dust*
Auto Ignition Temp:	842°F (450°C) (*Dust*)
Vapor Pressure:	0 mm Hg at 68°F (20°C)
Specific Gravity:	7.2 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	3,564°F (1,962°C)
Melting Point:	2,271°F (1,244°C)
Molecular Weight:	54.9

R IMI

OSHA:	5 mg/m^3, Ceiling
NIOSH:	1 mg/m^3, 8-hr TWA; 3 mg/m^3, STEL
ACGIH:	0.2 mg/m^3 (*inhalable*); 0.02 mg/m^3 (*respirable*), 8-hr TWA
IDLH:	500 mg/m^3

The Protective Action Criteria values are:
PAC-1 = 3 mg/m^3 PAC-2 = 5 mg/m^3 PAC-3 = 500 mg/m^3

R I M N

Gloves:	Nitrile and Neoprene
Coveralls:	Tyvek **Use turn out gear or flash protection if ignition/fire is the greatest hazard.**
Respirator:	Spill - full facepiece APR with *P100 filters* Fire - SCBA

A

Eyes:	Irritation
Skin:	Irritation
Inhalation:	Nose, throat and lung irritation with coughing, wheezing and shortness of breath Headache, fever and chills, aches, chest tightness and cough (*"metal fume fever"*)

IR AI AN N AMINA I N

Remove the person from exposure.
Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses.
Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.
Begin artificial respiration if breathing has stopped and CPR if necessary. Transfer promptly to a medical facility.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **MERCURY, ELEMENTAL AND INORGANIC COMPOUNDS**

Synonyms: Colloidal Mercury; Quicksilver

Chemical Name: Mercury

Date: May 2009 Revision: November 2009

CAS Number: 7439-97-6

RTK Substance Number: 1183

DOT Number: UN 2809

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Description and Use

Mercury is a heavy, silvery, liquid metal. It is used for gold recovery and in dental amalgams, thermometers, barometers and other gauges, and in dry cell batteries.

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	3	-
FLAMMABILITY	0	-
REACTIVITY	0	-
CORROSIVE POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

Reasons for Citation

- **Mercury** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IARC, IRIS and EPA.
- This chemical is on the Special Health Hazard Substance List.

- **Mercury** can affect you when inhaled and may be absorbed through the skin.
- Contact can irritate the skin and eyes.
- Inhaling **Mercury** can irritate the nose, throat and lungs.
- Exposure can cause metallic taste in the mouth, nausea and vomiting, and abdominal pain.
- **Mercury** may cause a skin allergy and make the skin turn gray.
- Repeated exposure can cause *Mercury poisoning* with tremors, personality changes, trouble remembering and concentrating, and gum problems.
- **Mercury** may damage the kidneys.
- **Mercury** is a DOT CORROSIVE material.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while flushing. Seek medical attention immediately.

Skin Contact

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water. Seek medical attention immediately.

Inhalation

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.1 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.05 mg/m^3** (as **Mercury** *vapor*) averaged over a 10-hour workshift and **0.1 mg/m^3** (as **Mercury**), not to be exceeded at any time.

ACGIH: The threshold limit value (TLV) is **0.025 mg/m^3** averaged over an 8-hour workshift.

- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Mercury**:

- Contact can irritate the skin and eyes.
- Inhaling **Mercury** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
- Exposure can cause metallic taste in the mouth, nausea and vomiting, and abdominal pain.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Mercury** and can last for months or years:

Cancer Hazard

- While **Mercury** has been tested, it is not classifiable as to its potential to cause cancer.

Reproductive Hazard

- There is limited evidence that **Mercury** may cause an increase in spontaneous abortions and menstrual disorders in exposed women.
- There is limited evidence that **Mercury** may affect male fertility.
- **Mercury** may also damage the developing fetus in animals.

Other Effects

- **Mercury** can irritate the lungs. Repeated exposure may cause bronchitis to develop with coughing, phlegm, and/or shortness of breath.
- **Mercury** may cause a skin allergy. If allergy develops, very low future exposure can cause itching and a skin rash.
- Long-term contact can cause the skin to turn gray, brown staining in the eyes, and may affect peripheral vision (ability to see to the sides).
- Repeated exposure or a very high single exposure can cause *Mercury poisoning*. Symptoms include tremors (shaking), trouble remembering and concentrating, gum problems, increased salivation, loss of appetite and weight, and changes in mood and personality. These can be severe and cause hallucinating and psychosis.
- **Mercury** may damage the kidneys.

Medical

Medical Testing

For frequent or potentially high exposure (half the TLV or greater), the following are recommended before beginning work and at regular times after that:

- Exam of the nervous system (including handwriting test to detect early hand tremor)
- Urine *Mercury* level (usually less than **0.02 mg/liter**)
- Kidney function tests

If symptoms develop or overexposure is suspected, the following is recommended:

- Lung function tests
- Exam of the eyes and vision
- Evaluation by a qualified allergist can help diagnose skin allergy.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- Creams to whiten or bleach skin may contain *Mercury*. If you use them, you may be at increased risk of *Mercury* poisoning. A high fish diet, especially of marine predatory fish (fish-eating fish), also may increase your blood *Mercury* levels.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- For clean-up, use a specialized charcoal-filtered vacuum or suction pump to avoid generating *Mercury vapor.* Do not disturb spilled material.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Mercury**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Butyl, Nitrile, Neoprene, Polyvinyl Chloride, Silver Shield®/4H® and Viton for gloves, and Tychem® fabrics, or the equivalent, as protective materials for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear non-vented, impact resistant goggles when working with fumes, gases, or vapors.
- If additional protection is needed for the entire face, use in combination with a face shield. A face shield should not be used without another type of eye protection.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.05 mg/m^3** (as **Mercury** *vapor*), or over **0.1 mg/m^3** but less than **1 mg/m^3** (as **Mercury**), use a NIOSH approved half-mask respirator with cartridges specific for **Mercury** *vapor.* These cartridges have end of service life indicators (ESLI) which visually indicate when filters must be changed.
- If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Mercury**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **0.5 mg/m^3** (as **Mercury** *vapor*) or over **1 mg/m^3** (as **Mercury**), use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **10 mg/m^3** (as **Mercury**) is immediately dangerous to life and health. If the possibility of exposure above **10 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- Extinguish fire using an agent suitable for type of surrounding fire. **Mercury** itself does not burn.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Mercury** is spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Cover with a *Sulfur compound* to keep from vaporizing and collect with a charcoal filter vacuum. Kits specific for the clean-up of *Mercury* spills are available. DO NOT USE a regular or shop vacuum.
- Use *Zinc* or *Copper flakes* and a flashlight to check for remaining **Mercury** after clean-up.
- Ventilate and wash area of spill or leak.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Mercury** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Mercury** you should be trained on its proper handling and storage.

- **Mercury** reacts with ACETYLENE to form explosive *Acetylide*.
- **Mercury** can form explosive compounds with AMMONIA and will explode when mixed with CHLORINE DIOXIDE; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); and METHYL AZIDE.
- **Mercury** is not compatible with COMBUSTIBLE MATERIALS; METALS (such as ALUMINUM and COPPER); CALCIUM; SODIUM CARBIDE; AMINES; LITHIUM; and RUBIDIUM.
- Store in tightly closed containers in a cool, well-ventilated area.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **MERCURY, ELEMENTAL AND INORGANIC COMPOUNDS**

Synonyms: Colloidal Mercury; Quicksilver
CAS No: 7439-97-6
Molecular Formula: Hg
RTK Substance No: 1183
Description: Heavy, silvery, liquid metal

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
3 - Health **0 - Fire** **0 - Reactivity** **DOT#:** UN 2809 **ERG Guide #:** 172 **Hazard Class:** 8 (Corrosive)	Extinguish fire using an agent suitable for type of surrounding fire. **Mercury** itself does not burn. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**Mercury** reacts with ACETYLENE to form explosive *Acetylide*. **Mercury** can form explosive compounds with AMMONIA and will explode when mixed with CHLORINE DIOXIDE; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); and METHYL AZIDE. **Mercury** is not compatible with COMBUSTIBLE MATERIALS; METALS (such as ALUMINUM and COPPER); CALCIUM; SODIUM CARBIDE; AMINES; LITHIUM; and RUBIDIUM.

SPILL/LEAKS

Isolation Distance:

Spill: 50 meters (150 feet)

Fire: 500 meters (1/3 mile)

Cover spill with a *Sulfur compound* to prevent vaporization and collect with a charcoal filter vacuum.

Use *Zinc* or *Copper flakes* and a flashlight to check for remaining **Mercury** after clean-up.

Mercury is very toxic to aquatic life and bioaccumulates.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Nonflammable
Vapor Density:	6.9 (air = 1)
Vapor Pressure:	0.002 mm Hg at 77°F (25°C)
Specific Gravity:	13.6 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	674°F (357°C)
Melting Point:	-38°F (-39°C)
Ionization Potential:	10.4 eV
Molecular Weight:	200.6

EXPOSURE LIMITS

NIOSH: 0.05 mg/m^3, 10-hr TWA (as **Mercury** *vapor*)
0.1 mg/m^3, Ceiling (as **Mercury**)
ACGIH: 0.025 mg/m^3, 8-hr TWA (as **Mercury**)
IDLH: 10 mg/m^3 (as **Mercury**)

The Protective Action Criteria values are:
PAC-1 = 0.3 mg/m^3
PAC-2 = 2.05 mg/m^3
PAC-3 = 4.1 mg/m^3

PROTECTIVE EQUIPMENT

Gloves:	Butyl, Nitrile, Neoprene, Polyvinyl Chloride, Silver Shield®/4H® and Viton (>8-hr breakthrough)
Coveralls:	Tychem® fabrics (>8-hr breakthrough)
Respirator:	>0.025 mg/m^3 - full facepiece APR with cartridges specific for **Mercury** >0.3 mg/m^3 - SCBA

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation
Inhalation:	Nose, throat and lung irritation with coughing, wheezing and/or shortness of breath Nausea, vomiting and abdominal pain

FIRST AID AND DECONTAMINATION

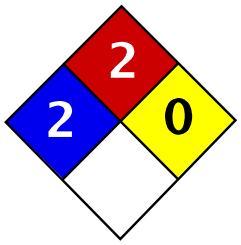
Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention immediately.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water. Seek medical attention immediately.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.



Health	2
Fire	2
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Naphthalene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Naphthalene

Catalog Codes: SLN1789, SLN2401

CAS#: 91-20-3

RTECS: QJ0525000

TSCA: TSCA 8(b) inventory: Naphthalene

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: C10H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Naphthalene	91-20-3	100

Toxicological Data on Ingredients: Naphthalene: ORAL (LD50): Acute: 490 mg/kg [Rat]. 533 mg/kg [Mouse]. 1200 mg/kg [Guinea pig]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit]. VAPOR (LC50): Acute: 170 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant, permeator). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 567°C (1052.6°F)

Flash Points: CLOSED CUP: 88°C (190.4°F). OPEN CUP: 79°C (174.2°F).

Flammable Limits: LOWER: 0.9% UPPER: 5.9%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid.
Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
Israel: TWA: 10 (ppm)
TWA: 10 STEL: 15 (ppm) from ACGIH (TLV) [1995]
TWA: 52 STEL: 79 (mg/m3) from ACGIH [1995]
Australia: STEL: 15 (ppm)
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid.)

Odor: Aromatic.

Taste: Not available.

Molecular Weight: 128.19 g/mole

Color: White.

pH (1% soln/water): Not available.

Boiling Point: 218°C (424.4°F)

Melting Point: 80.2°C (176.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.162 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 4.4 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.038 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:
Partially dispersed in hot water, methanol, n-octanol.
Very slightly dispersed in cold water.
See solubility in methanol, n-octanol.

Solubility:
Partially soluble in methanol, n-octanol.
Very slightly soluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Highly reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: May attack some forms of rubber and plastic

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 490 mg/kg [Rat].
Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].
Acute toxicity of the vapor (LC50): 170 ppm 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.

DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of ingestion.
Hazardous in case of inhalation.
Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 305.2 ppm 96 hour(s) [Trout].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Naphthalene, refined : UN1334 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Rhode Island RTK hazardous substances: Naphthalene
Pennsylvania RTK: Naphthalene
Florida: Naphthalene
Minnesota: Naphthalene
Massachusetts RTK: Naphthalene
TSCA 8(b) inventory: Naphthalene
TSCA 8(a) PAIR: Naphthalene
TSCA 8(d) H and S data reporting: Naphthalene: 06/01/87
SARA 313 toxic chemical notification and release reporting: Naphthalene: 1%
CERCLA: Hazardous substances.: Naphthalene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid.
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36- Irritating to eyes.
R40- Possible risks of irreversible effects.
R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R48/23- Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R63- Possible risk of harm to the unborn child.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/11/2005 01:30 PM

Last Updated: 10/11/2005 01:30 PM

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.

Material Safety Data Sheet
Nickel Metal

ACC# 16240

Section 1 - Chemical Product and Company Identification

MSDS Name: Nickel Metal
Catalog Numbers: N40-500
Synonyms:
Company Identification:
Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
7440-02-0	NICKEL	100.0	231-111-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: white to gray white solid.
Caution! May cause allergic skin reaction. May cause eye irritation. May cause respiratory tract irritation. May cause cancer in humans. May cause liver and kidney damage.
Target Organs: Kidneys, liver, respiratory system.

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May cause severe irritation and possible burns. May cause dermatitis.
Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation: Inhalation of fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count. Inhalation of a mist of this material may cause respiratory tract irritation. Breathing Nickel (Dust and Fume) can cause a sore or hole in the "bone" (septum) dividing the inner nose.
Chronic: Prolonged or repeated skin contact may cause sensitization dermatitis and possible destruction and/or ulceration. May cause respiratory tract cancer.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid if irritation develops or persists. Wash clothing before reuse. Flush skin with plenty of soap and water.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Notes to Physician: Treat symptomatically and supportively.
Antidote: There exists several chelation agents. The determination of there use should be made only by qualified medical personnel.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Dust can be an explosion hazard when exposed to heat or flame.
Extinguishing Media: Confining and smothering is preferable to applying water. DO NOT USE WATER, CO_2, OR FOAM DIRECTLY ON FIRE ITSELF. Use DRY sand, sodium chloride powder, graphite powder, copper powder or Lith-X powder. Dousing metallic fires with water may generate hydrogen gas, an extremely dangerous explosion hazard, particularly if fire is in a confined environment.
Flash Point: Not applicable.
Autoignition Temperature: Not applicable.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 3; Flammability: 1; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Very fine particles can cause a fire or explosion. Eliminate all ignition sources. Reduce airborne dust and prevent scattering by moistening with water. Sweep up, then place into a suitable container for disposal. Carefully scoop up and place into appropriate disposal container. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.
Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
NICKEL	1.5 mg/m3 TWA (inhalable fraction)	0.015 mg/m3 TWA 10 mg/m3 IDLH	1 mg/m3 TWA

OSHA Vacated PELs: NICKEL: 1 mg/m3 TWA

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance: white to gray white
Odor: none reported
pH: Not available.
Vapor Pressure: 1 mm Hg @ 1810 C
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not applicable.
Boiling Point: 2730 deg C
Freezing/Melting Point:1455 deg C
Decomposition Temperature: Not available.
Solubility: Insoluble in water.
Specific Gravity/Density:8.90
Molecular Formula: Ni
Molecular Weight:58.69

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, dust generation.
Incompatibilities with Other Materials: Acids, aluminum, ammonia, ammonium nitrate, bromine pentafluoride, ethylene + aluminum, dioxane, fluorine, hydrazine, hydrazoic acid, hydrogen, methanol, nitric acid, nitryl fluoride, organic solvents, oxidants, phosphorus, potassium perchlorate, selenium, sulfur and compounds.
Hazardous Decomposition Products: Toxic and highly flammable nickel carbonyl.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 7440-02-0: QR5950000; QR6126100; QR6555000; QR7120000
LD50/LC50:
Not available.

Carcinogenicity:
CAS# 7440-02-0:

- **ACGIH:** Not listed.
- **California:** carcinogen, initial date 10/1/89
- **NTP:** Suspect carcinogen
- **IARC:** Group 1 carcinogen (listed as Nickel compounds).

Epidemiology: Epidemiological studies have shown an increased incidence of cancers among nickel refinery workers.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: No data available. No information available.
Environmental: No information reported.
Physical: No information available.
Other: None.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		

Packing Group:

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 7440-02-0 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 7440-02-0: 100 lb final RQ (no reporting of releases of this hazardous substance is require
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 7440-02-0: immediate, delayed, fire.
Section 313
This material contains NICKEL (CAS# 7440-02-0, 100.0%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 7440-02-0 (listed as Nickel compounds) is listed as a hazardous a ir pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 7440-02-0 is listed as a Priority Pollutant under the Clean Water Act. CAS# 7440-02-0 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 7440-02-0 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
WARNING: This product contains NICKEL, a chemical known to the state of California to cause cancer.
California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
XN
Risk Phrases:
R 40 Limited evidence of a carcinogenic effect.

R 43 May cause sensitization by skin contact.

Safety Phrases:
S 22 Do not breathe dust.
S 36 Wear suitable protective clothing.

WGK (Water Danger/Protection)
CAS# 7440-02-0: No information available.
Canada - DSL/NDSL
CAS# 7440-02-0 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of D2A.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 7440-02-0 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 3/19/1998
Revision #5 Date: 10/28/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

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- Read the product manu□acturer□s Material Sa□ety Data Sheet □MSDS□and the label to determine product ingredients and important sa□ety and health in□ormation about the product mi□ture.
- For each individual hazardous ingredient, read the New □ersey Department o□Health and Senior Services Hazardous Substance Fact Sheet, available on the RT□ Program website □www.n□gov/health/eoh/rtkweb□or in your □acility□s RT□ Central File or Hazard Communication Standard □ile.
- You have a right to this in□ormation under the New □ersey Worker and Community Right to □now Act and the Public Employees Occupational Sa□ety and Health □PEOSH□Act i□you are a public worker in New □ersey, and under the □ederal Occupational Sa□ety and Health Act □OSHA□i□you are a private worker.
- The New □ersey Right to □now Act re□uires most employers to label chemicals in the workplace and re□uires public employers to provide their employees with in□ormation concerning chemical hazards and controls. The □ederal OSHA Hazard Communication Standard □29 CFR 1910.1200□and the PEOSH Hazard Communication Standard □N.□A.C. 12:100-7□re□uire employers to provide similar in□ormation and training to their employees.

This Fact Sheet is a summary o□available in□ormation regarding the health hazards that may result □rom e□posure. Duration o□e□posure, concentration o□the substance and other □actors will a□ect your susceptibility to any o□the potential e□□ects described below.

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Acute Health Effects

The □ollowing acute □short-term□health e□□ects may occur immediately or shortly a□ter e□posure to **Phenanthrene**:

- Contact can irritate the skin and eyes. I□skin contaminated with **Phenanthrene** is e□posed to sunlight a rash or skin burn may occur, sometimes with blisters.
- Inhaling **Phenanthrene** can irritate the nose and throat.

Chronic Health Effects

The □ollowing chronic □long-term□health e□□ects can occur at some time a□ter e□posure to **Phenanthrene** and can last □or months or years:

Cancer Hazard

- While **Phenanthrene** has been tested, it is not classi□iable as to its potential to cause cancer.

Reproductive Hazard

- According to the in□ormation presently available to the New □ersey Department o□Health and Senior Services, **Phenanthrene** has not been tested □or its ability to a□ect reproduction.

Other Effects

- **Phenanthrene** may cause a skin allergy. I□allergy develops, very low □uture e□posure can cause itching and a skin rash.

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Medical Testing

I□symptoms develop or overe□posure is suspected, the □ollowing is are recommended:

- Evaluation by a □uali□ied allergist can help diagnose skin allergy.

Any evaluation should include a care□ul history o□past and present symptoms with an e□am. Medical tests that look □or damage already done are not a substitute □or controlling e□posure.

Re□uest copies o□your medical testing. You have a legal right to this in□ormation under the OSHA Access to Employee E□posure and Medical Records Standard □29 CFR 1910.1020□.

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Very to□ic chemicals, or those that are reproductive hazards or sensitizers, re□uire e□pert advice on control measures i□a less to□ic chemical cannot be substituted. Control measures include: □1□enclosing chemical processes □or severely irritating and corrosive chemicals, □2□using local e□haust ventilation □or chemicals that may be harm□ul with a single e□posure, and □3□using general ventilation to control e□posures to skin and eye irritants. For □urther in□ormation on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The □ollowing work practices are also recommended:

- Label process containers.
- Provide employees with hazard in□ormation and training.
- Monitor airborne chemical concentrations.
- Use engineering controls i□concentrations e□ceed recommended e□posure levels.
- Provide eye wash □ountains and emergency showers.
- Wash or shower i□skin comes in contact with a hazardous material.
- Always wash at the end o□the workshi□t.
- Change into clean clothing i□clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands care□ully be□ore eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the □ollowing may be use□ul or re□uired:

- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

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The OSHA Personal Protective E□uipment Standard □29 CFR 1910.132□re□uires employers to determine the appropriate personal protective e□uipment □or each hazard and to train employees on how and when to use protective e□uipment.

The □ollowing recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Phenanthrene**. Wear personal protective e□uipment made □rom material which can not be permeated or degraded by this substance. Sa□ety e□uipment suppliers and manu□acturers can provide recommendations on the most protective glove and clothing material □or your operation.
- The recommended glove materials are Nitrile, Neoprene and Barrier□ □or *Coal Tar Extract*.
- The recommended protective clothing material □or *solid* **Phenanthrene** is Tyvek□, or the e□uivalent.
- All protective clothing □suits, gloves, □ootwear, headgear□ should be clean, available each day, and put on be□ore work.

Eye Protection

- Wear eye protection with side shields or goggles.
- I□additional protection is needed □or the entire □ace, use in combination with a □ace shield. A □ace shield should not be used without another type o□eye protection.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used i□the employer has implemented a written program that takes into account workplace conditions, re□uirements □or worker training, respirator □it testing, and medical e□ams, as described in the OSHA Respiratory Protection Standard □29 CFR 1910.134□.

- Where the potential e□ists □or e□posure over **0.1 mg/m^3**, use a NIOSH approved respirator with an organic vapor cartridge and particulate N, R or P100 pre□ilters. Increased protection is obtained □rom □ull □acepiece powered-air puri□ying respirators.
- Leave the area immediately i□□1□while wearing a □ilter or cartridge respirator you can smell, taste, or otherwise detect **Phenanthrene**, □2□while wearing particulate □ilters abnormal resistance to breathing is e□perienced, or □3□eye irritation occurs while wearing a □ull □acepiece respirator. Check to make sure the respirator-to-□ace seal is still good. I□it is, replace the □ilter or cartridge. I□the seal is no longer good, you may need a new respirator.
- Consider all potential sources o□e□posure in your workplace. You may need a combination o□□ilters, pre□ilters or cartridges to protect against di□□erent □orms o□a chemical □such as vapor and mist□or against a mi□ture o□chemicals.
- Where the potential e□ists □or e□posure over **1 mg/m^3**, use a NIOSH approved supplied-air respirator with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an au□iliary sel□-contained breathing apparatus or an emergency escape air cylinder.

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I□employees are e□pected to □ight □ires, they must be trained and e□uipped as stated in the OSHA Fire Brigades Standard □29 CFR 1910.156□.

- **Phenanthrene** may burn, but does not readily ignite.
- Use dry chemical, CO_2 or water as e□tinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep □ire-e□posed containers cool.

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GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **critical temperature** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

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Emergency Responders Quick Reference

Common Name: **PHENANTHRENE**

Synonyms: Phenantrin Coal Tar Pitch Volatiles
CAS No: 85-01-8
Molecular Formula: $C_{14}H_{10}$
RT Substance No: 3004
Description: Colorless to white, crystalline solid with a aint odor, also present as a by-product o incomplete combustion o wood and ossil uels

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Hazard Rating	Firefighting	Reactivity
2 - Health **1 - Fire** **0 - Reactivity** **DOT#:** UN 3077 **ERG Guide #:** 171 **Hazard Class:** 9 Environmentally Hazardous Substance	**Phenanthrene** may burn, but does not readily ignite. Use dry chemical, CO_2 or water as e tinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep ire-e posed containers cool.	**Phenanthrene** is not compatible with O IDI ING AGENTS such as PERCHLORATES, PERO IDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE.

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Isolation Distance:

Spill: 25 meters 75 eet

Fire: 800 meters 1/2 mile

Moisten spilled material irst or use a HEPA-ilter vacuum or clean-up and place into sealed containers or disposal.

DO NOT wash into sewer.

Phenanthrene is an environmental hazard and very to ic to a uatic organisms.

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Odor Threshold:	Aromatic odor
Flash Point:	340°F 171°C
Vapor Density:	6.14 air 1
Vapor Pressure:	1 mm Hg at 245°F 118.3°C
Specific Gravity:	1.1 water 1
Water Solubility:	Insoluble
Boiling Point:	642°F 339°C
Melting Point:	212°F 100°C
Molecular Weight:	178.23

R IMI

OSHA:	0.2 mg/m^3, 8-hr TWA
NIOSH:	0.1 mg/m^3, 10-hr TWA
ACGIH:	0.2 mg/m^3, 8-hr TWA
IDLH:	80 mg/m^3

All the above are or *Coal Tar Pitch Volatiles*

The Protective Action Criteria values are:
PAC-1 6 mg/m^3 PAC-2 40 mg/m^3
PAC-3 500 mg/m^3

R I M N

Gloves:	Nitrile, Neoprene and Barrier 1-hr breakthrough or *Coal Tar Extract*
Coveralls:	Tyvek
Respirator:	0.1 mg/m^3 - ull acepiece APR with *Organic vapor* and *P100 cartridges* 1 mg/m^3 - SCBA

A

Eyes:	Irritation
Skin:	Irritation
Inhalation:	Nose and throat irritation

IR AI AN N AMINA I N

Remove the person rom e posure.

Flush eyes with large amounts o water or at least 15 minutes. Remove contact lenses i worn.

Quickly remove contaminated clothing and wash contaminated skin with large amounts o soap and water. Seek medical attention.

Begin arti icial respiration i breathing has stopped and CPR i necessary.

Transfer promptly to a medical acility.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **PHENOL**

Synonyms: Carbolic Acid; Hydroxybenzene

Chemical Name: Phenol

Date: June 2001 Revision: January 2010

CAS Number: 108-95-2

RTK Substance Number: 1487

DOT Number: UN 1671

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Description and Use

Phenol is a colorless or white, crystalline (sand-like) solid that is usually sold or used in solution. It is used to produce phenolic resins for the construction, automotive and appliance industries, as a disinfectant, and in medicines.

- **ODOR THRESHOLD = 0.4 ppm**
- Odor thresholds vary greatly. Do not rely on odor alone to determine potentially hazardous exposures.

Reasons for Citation

- **Phenol** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IARC, IRIS, NFPA and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 30 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while flushing. Seek medical attention.

Skin Contact

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of water. Seek medical attention.

Inhalation

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.
- Medical observation is recommended for 24 to 48 hours after overexposure, as pulmonary edema may be delayed.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	-	4
FLAMMABILITY	-	2
REACTIVITY	-	0
MUTAGEN COMBUSTIBLE POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **Phenol** can affect you when inhaled and may be absorbed through the skin.
- Because this is a MUTAGEN, handle it as a possible carcinogen--WITH EXTREME CAUTION.
- Contact can severely irritate and burn the skin and eyes leading to eye damage.
- Inhaling **Phenol** can irritate the nose and throat.
- Inhaling **Phenol** can irritate the lungs. Higher exposures may cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency.
- High levels of this substance may reduce the blood's ability to transport *Oxygen*, causing headache, fatigue, dizziness, and a blue color to the skin and lips (*methemoglobinemia*).
- Exposure can cause headache, dizziness, lightheadedness, and passing out.
- High or repeated exposure can damage the liver, kidneys and nervous system.
- **Phenol** can cause irregular heartbeat (arrhythmia).

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **5 ppm** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **5 ppm** averaged over a 10-hour workshift and **15.6 ppm**, not to be exceeded during any 15-minute work period.

ACGIH: The threshold limit value (TLV) is **5 ppm** averaged over an 8-hour workshift.

- **Phenol** is a MUTAGEN. Mutagens may have a cancer risk. All contact with this chemical should be reduced to the lowest possible level.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Phenol**:

- Contact can severely irritate and burn the skin and eyes leading to eye damage.
- Inhaling **Phenol** can irritate the nose and throat.
- Inhaling **Phenol** can irritate the lungs causing coughing and/or shortness of breath. Higher exposures may cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency, with severe shortness of breath.
- High levels of this substance may reduce the blood's ability to transport *Oxygen,* causing headache, fatigue, dizziness, and a blue color to the skin and lips (*methemoglobinemia*). Exposure to very high levels may cause trouble breathing, collapse and even death.
- Exposure can cause headache, fatigue, weakness, nausea and vomiting, dizziness, lightheadedness and passing out.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Phenol** and can last for months or years:

Cancer Hazard

- While **Phenol** has been tested, it is not classifiable as to its potential to cause cancer.
- **Phenol** is a MUTAGEN. It may cause genetic changes.
- Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

- There is limited evidence that **Phenol** may damage the developing fetus in animals.

Other Effects

- **Phenol** can irritate the lungs. Repeated exposure may cause bronchitis to develop with coughing, phlegm, and/or shortness of breath.
- High or repeated exposure can damage the liver, kidneys and nervous system.
- **Phenol** can cause irregular heartbeat (arrhythmia).

Medical

Medical Testing

For frequent or potentially high exposure (half the PEL or greater), the following are recommended before beginning work and at regular times after that:

- Lung function tests

If symptoms develop or overexposure is suspected, the following are recommended:

- Consider chest x-ray after acute overexposure
- Blood methemoglobin level
- Liver and kidney function tests
- Special 24-48 hours EKG (Holter monitor) to observe and record abnormal heart rhythms
- Exam of the nervous system

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **Phenol**.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- For *solid* **Phenol**, use a vacuum to reduce dust during clean-up. DO NOT DRY SWEEP.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Phenol**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Butyl, Silver Shield®/4H®, Viton and Barrier® for gloves, and Tychem® SL, BR, Responder®, and TK; and Trellchem® HPS and VPS, or the equivalent, as protective clothing materials.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear indirect-vent, impact and splash resistant goggles when working with liquids.
- For *solid* **Phenol** wear eye protection with side shields or goggles.
- Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **5 ppm**, use a NIOSH approved full facepiece respirator with an organic vapor cartridge and particulate prefilters. Increased protection is obtained from full facepiece powered-air purifying respirators.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Phenol**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **50 ppm**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.
- Exposure to **250 ppm** is immediately dangerous to life and health. If the possibility of exposure above **250 ppm** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Phenol** is a COMBUSTIBLE SOLID.
- Use dry chemical, CO_2, water spray or alcohol-resistant foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Phenol** is spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- For **Phenol** in *solution*, cover with sand and place into sealed containers for disposal.
- Collect *solid* material in the most convenient and safe manner and place into sealed containers for disposal.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Phenol** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Phenol** you should be trained on its proper handling and storage.

- **Phenol** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); ALUMINUM CHLORIDE; CALCIUM HYPOCHLORITE; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); FORMALDEHYDE; ISOCYANATES; BUTADIENE; SODIUM NITRITE; and many other materials.
- **Phenol** is corrosive to COPPER, BRASS and STAINLESS STEELS.
- Store in tightly closed containers in a cool, well-ventilated area away from LIGHT and AIR.
- Sources of ignition, such as smoking and open flames, are prohibited where **Phenol** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **critical temperature** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **PHENOL**

Synonyms: Carbolic Acid; Hydroxybenzene
CAS No: 108-95-2
Molecular Formula: C_6H_5OH
RTK Substance No: 1487
Description: Colorless or white, crystalline solid that is usually sold or used in solution

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
4 - Health **2 - Fire** **0 - Reactivity** **DOT#:** UN 1671 **ERG Guide #:** 153 **Hazard Class:** 6.1 (Poison)	**Phenol** is a COMBUSTIBLE SOLID. Use dry chemical, CO_2, water spray or alcohol-resistant foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**Phenol** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); ALUMINUM CHLORIDE; CALCIUM HYPOCHLORITE; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); FORMALDEHYDE; ISOCYANATES; BUTADIENE; SODIUM NITRITE; and many other materials. **Phenol** is corrosive to COPPER, BRASS and STAINLESS STEELS.

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet) (Solid)
50 meters (150 feet) (Liquid)

Fire: 800 meters (1/2 mile)

For **Phenol** in *solution*, cover with sand and place into sealed containers for disposal.

Collect *solid* material in the most convenient and safe manner and place into sealed containers for disposal.

DO NOT wash into sewer.

Neutralize water spills with dry lime or soda ash.

Phenol is harmful to aquatic life at very low concentrations.

PHYSICAL PROPERTIES

Odor Threshold:	0.4 ppm
Flash Point:	175°F (79.4°C)
LEL:	1.3%
UEL:	8.6%
Auto Ignition Temp:	1,319°F (715°C)
Vapor Density:	3.2 (air = 1)
Vapor Pressure:	0.4 mm Hg at 68°F (20°C)
Specific Gravity:	1.1 (water = 1)
Water Solubility:	Soluble
Boiling Point:	358°F (181°C)
Melting Point:	106°F (41°C)
Ionization Potential:	8.5 eV
Molecular Weight:	94.1
pH:	6 (aqueous solution)

EXPOSURE LIMITS

OSHA: 5 ppm, 8-hr TWA
NIOSH: 5 ppm, 10-hr TWA; 15.6 ppm, 15-min Ceiling
ACGIH: 5 ppm, 8-hr TWA
IDLH: 250 ppm

The Protective Action Criteria values are:
PAC-1 = 15 ppm PAC-2 = 23 ppm PAC-3 = 200 ppm

PROTECTIVE EQUIPMENT

Gloves: Butyl, Silver Shield®/4H®, Viton and Barrier® (>8-hr breakthrough)

Coveralls: Tychem® BR, Responder®, and TK; Trellchem® HPS and VPS (>8-hr breakthrough)

Respirator: >5 ppm - full facepiece APR with *Organic vapor cartridges* and *High efficiency prefilters*
>50 ppm - SCBA

HEALTH EFFECTS

Eyes: Irritation and burns
Skin: Irritation and burns
Inhalation: Nose, throat and lung irritation with coughing and severe shortness of breath (pulmonary edema)
Methemoglobinemia with headache, dizziness, lightheadedness and passing out

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 30 minutes. Remove contact lenses if worn. Seek medical attention.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of water. Seek medical attention.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.

Medical observation is recommended as symptoms may be delayed.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **POLYCHLORINATED BIPHENYLS**

Synonyms: Aroclor; Chlorodiphenyls; PCBs

Chemical Name: 1,1'-Biphenyl, Chloro Derivs.

Date: April 2002 Revision: November 2008

CAS Number: 1336-36-3

RTK Substance Number: 1554

DOT Number: UN 2315

Description and Use

Polychlorinated Biphenyls are light yellow or colorless, thick, oily liquids. They are used in hydraulic and heat transfer liquids. They were formally used in electrical capacitators and transformers.

Reasons for Citation

- **Polychlorinated Biphenyls** are on the Right to Know Hazardous Substance List because they are cited by OSHA, ACGIH, DOT, NIOSH, NTP, DEP, IARC, IRIS, NFPA and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

Skin Contact

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Inhalation

- Remove the person from exposure
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	3	2
FLAMMABILITY	-	1
REACTIVITY	-	0
CARCINOGEN TERATOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **Polychlorinated Biphenyls** can affect you when inhaled and by passing through the skin.
- **Polychlorinated Biphenyls** should be handled as CARCINOGENS and may be TERATOGENS. HANDLE WITH EXTREME CAUTION.
- Contact can irritate the skin and eyes.
- **Polychlorinated Biphenyls** may cause brownish pigmentation of the skin, eyes and fingernails.
- Skin contact may cause an acne-like rash (chloracne).
- Inhaling the vapors can irritate the nose, throat and lungs.
- Exposure to **Polychlorinated Biphenyls** can cause headache, nausea, vomiting, loss of weight and abdominal pain.
- High exposure can damage the nervous system causing headache, numbness, weakness, and tingling ("pins and needles) in the arms and legs.
- **Polychlorinated Biphenyls** may damage the liver.

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **1 mg/m^3** (42% *Chlorine*) and **0.5 mg/m^3** (54% *Chlorine*) averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.001 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The threshold limit value (TLV) is **1 mg/m^3** (42% *Chlorine*) and **0.5 mg/m^3** (54% *Chlorine*) averaged over an 8-hour workshift.

- **Polychlorinated Biphenyls** are PROBABLE CARCINOGENS and TERATOGENS in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects
The following acute (short-term) health effects may occur immediately or shortly after exposure to **Polychlorinated Biphenyls**:

- Contact can irritate the skin and eyes.
- Inhaling the vapors can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
- Exposure to **Polychlorinated Biphenyls** can cause headache, nausea, vomiting, loss of weight and abdominal pain.

Chronic Health Effects
The following chronic (long-term) health effects can occur at some time after exposure to **Polychlorinated Biphenyls** and can last for months or years:

Cancer Hazard
- **Polychlorinated Biphenyls** are PROBABLE CARCINOGENS in humans. There is evidence that they cause cancer of the skin, brain, and pancreas in humans and have been shown to cause liver and pituitary cancer, and leukemia, in animals.
- Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard
- **Polychlorinated Biphenyls** may be TERATOGENS in humans since they are teratogens in animals.
- There is limited evidence that **Polychlorinated Biphenyls** may affect male and female fertility.

Other Effects
- **Polychlorinated Biphenyls** may cause brownish pigmentation of the skin, eyes and fingernails.
- Skin contact may cause an acne-like rash (chloracne).
- High exposure can damage the nervous system causing headache, numbness, weakness, and tingling ("pins and needles) in the arms and legs.
- **Polychlorinated Biphenyls** may damage the liver.

Medical

Medical Testing
Before beginning employment and at regular times after that, for frequent or potentially high exposures, the following are recommended:

- Liver function tests
- Exam of the skin and fingernails

If symptoms develop or overexposure is suspected, the following are recommended:

- Blood PCB levels
- Exam of the nervous system

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures
- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **Polychlorinated Biphenyls**.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Where possible, transfer **Polychlorinated Biphenyls** from drums or other containers to process containers in an enclosed system.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Polychlorinated Biphenyls**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Butyl, Neoprene, Polyvinyl Chloride, Silver Shield®/4H® and Viton for gloves, and Tychem® CPF 2, SL, CPF 4 and Responder®, or the equivalent, as protective materials for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear indirect-vent, impact and splash resistant goggles when working with liquids.
- Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.001 mg/m^3**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **5 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **5 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Polychlorinated Biphenyls** may burn, but do not readily ignite.
- Use dry chemical, CO_2, water spray or alcohol-resistant foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Polychlorinated Dibenzofurans* and *Chlorinated Dibenzo-p-dioxins*.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Polychlorinated Biphenyls** are spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Absorb liquids in vermiculite, dry sand, earth, or a similar material and place into sealed containers for disposal.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Polychlorinated Biphenyls** as HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Polychlorinated Biphenyls** you should be trained on its proper handling and storage.

- **Polychlorinated Biphenyls** are not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC).
- Store in tightly closed containers in a cool, well-ventilated area away from STRONG ULTRAVIOLET LIGHT and SUNLIGHT.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Common Name: **POLYCHLORINATED BIPHENYLS**

Synonyms: Aroclor; Chlorodiphenyls; PCBs
CAS No: 1336-36-3
Molecular Formula: $C_{12}H_{10-n}Cl_n$
RTK Substance No: 1554
Description: Light yellow or colorless, thick, oily liquids

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
3 - Health **1 - Fire** **0 - Reactivity** **DOT#:** UN 2315 **ERG Guide #:** 171 **Hazard Class:** 9 (Miscellaneous Hazardous Materials)	**Polychlorinated Biphenyls** may burn, but do not readily ignite. Use dry chemical, CO_2, water spray or alcohol-resistant foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including *Polychlorinated Dibenzofurans* and *Chlorinated Dibenzo-p-dioxins*. Use water spray to keep fire-exposed containers cool.	**Polychlorinated Biphenyls** are not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC).

SPILL/LEAKS

Isolation Distance:

Spills: 50 meters (150 feet)

Fire: 800 meters (1/2 mile)

Absorb liquids in vermiculite, dry sand, earth, or a similar material and place into sealed containers for disposal.

DO NOT wash into sewer.

Polychlorinated Biphenyls bioaccumulate and are hazardous to the environment.

PHYSICAL PROPERTIES

Flash Point:	286° to 385°F (141° to 196°C)
Auto Ignition Temp:	464°F (240°C)
Vapor Pressure:	0.001 mm Hg at 68°F (20°C)
Specific Gravity:	1.3 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	617° to 734°F (325° to 390°C)
Melting Point:	-2° to 50°F (-19° to 10°C)
Molecular Weight:	258 to 326

EXPOSURE LIMITS

OSHA:	1 mg/m^3, 8-hr TWA (42% *Chlorine*) and 0.5 mg/m^3, 8-hr TWA (54% *Chlorine*)
NIOSH:	0.001 mg/m^3, 10-hr TWA
ACGIH:	1 mg/m^3, 8-hr TWA (42% *Chlorine*) and 0.5 mg/m^3, 8-hr TWA (54% *Chlorine*)
IDLH:	5 mg/m^3

PROTECTIVE EQUIPMENT

Gloves:	Butyl, Neoprene, Polyvinyl Chloride, Silver Shield®/4H® and Viton (>4-hr breakthrough)
Coveralls:	Tychem® CPF 2, SL, CPF 4 and Responder® (>8-hr breakthrough)
Respirator:	>0.001 mg/m^3 - Supplied air or SCBA

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation
Inhalation:	Nose, throat and lung irritation with coughing, wheezing and shortness of breath Headache, nausea, vomiting, and abdominal pain
Chronic:	Cancer (skin, brain, pancreas) in humans

FIRST AID AND DECONTAMINATION

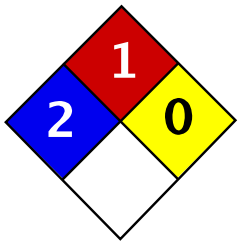
Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility



Health	2
Fire	1
Reactivity	0
Personal Protection	C

Material Safety Data Sheet
Pyrene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Pyrene

Catalog Codes: SLP3868

CAS#: 129-00-00

RTECS: UR2450000

TSCA: TSCA 8(b) inventory: Pyrene

CI#: Not available.

Synonym: Benzo(D,E,F)phenanthrene

Chemical Name: Pyrene

Chemical Formula: C16-H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Pyrene	129-00-00	100

Toxicological Data on Ingredients: Pyrene: ORAL (LD50): Acute: 2700 mg/kg [Rat]. 800 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.
MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of heat, of combustible materials.
Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Slightly explosive in presence of heat.
Non-explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75.2°F). Preferably refrigerate.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Synthetic apron. Gloves (impervious).

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid. Powdered solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 202.26 g/mole

Color: Yellow.

pH (1% soln/water): Not applicable.

Boiling Point: 404°C (759.2°F)

Melting Point: 151.2°C (304.2°F)

Critical Temperature: Not available.

Specific Gravity: 1.271 @ 23 C (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 4.9

Ionicity (in Water): Not available.

Dispersion Properties:
Is not dispersed in cold water, hot water.
See solubility in diethyl ether.

Solubility:
Soluble in diethyl ether.
Insoluble in cold water, hot water.
Pyrene is fairly soluble in organic solvents.
It is soluble in alcohol, benzene, carbon disulfide, ether, petroleum ether, and toluene

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 800 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.
MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation.
Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May affect genetic material (mutagenic).
May cause cancer (tumorigenic) according to animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin: May cause skin irritation. May be absorbed through skin.
Eyes: May cause eye irritation. Conjunctival irritation may be noted.
Inhalation: May cause respiratory tract irritaiton.

Ingestion: May cause gastrointestinal tract irritation. May affect behavior/Central Nervous System (excitation and muscel spasicity), liver and urinary system, and immune system, and blood.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 1.8 mg/l 48 hours [Water flea].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut carcinogen reporting list.: Pyrene
Illinois chemical safety act: Pyrene
New York release reporting list: Pyrene
Pennsylvania RTK: Pyrene
Massachusetts RTK: Pyrene
Massachusetts spill list: Pyrene
New Jersey: Pyrene
New Jersey spill list: Pyrene
Louisiana RTK reporting list: Pyrene
Louisiana spill reporting: Pyrene
California Director's list of Hazardous Substances: Pyrene
TSCA 8(b) inventory: Pyrene
TSCA 8(a) CAIR: Pyrene
TSCA 8(d) H and S data reporting: Pyrene: June 1, 1987-June1, 1997
SARA 302/304/311/312 extremely hazardous substances: Pyrene
CERCLA: Hazardous substances.: Pyrene: 5000 lbs. (2268 kg)

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
S2- Keep out of the reach of children.
S36/37- Wear suitable protective clothing and gloves.
S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: C

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves (impervious).
Synthetic apron.
Not applicable.
Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 06:14 PM

Last Updated: 11/06/2008 12:00 PM

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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **SILVER**

CAS Number: 7440-22-4
DOT Number: None

RTK Substance number: 1669
Date: January 1986 Revision: October 2002

HAZARD SUMMARY

* **Silver** *dust* can affect you when breathed in.
* Contact can irritate the skin and eyes.
* Breathing **Silver** *dust* can irritate the nose and throat.
* Repeated exposures to **Silver** *dust* can cause blue-gray discoloration (argyria) of the eyes, skin, nose, mouth, throat and internal body organs. This may take years to develop but is permanent.
* **Silver** may affect the kidneys.

IDENTIFICATION

Silver is a brilliant white metal. It is used in making jewelry, silverware and mirrors, and in photography, solders and electroplating.

REASON FOR CITATION

* **Silver** is on the Hazardous Substance List because it is regulated by OSHA cited by ACGIH, NIOSH, DEP, HHAG and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **0.01 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.01 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over an 8-hour workshift.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Silver** *dust* and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Silver** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Silver** *dust*:

* Contact can irritate the skin and eyes.
* Breathing **Silver** *dust* can irritate the nose and throat.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Silver** *dust* and can last for months or years:

Cancer Hazard

* There is no evidence that **Silver** *dust* causes cancer in animals. This is based on test results presently available to the New Jersey Department of Health and Senior Services from published studies.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Silver** *dust* has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* Repeated exposures to **Silver** *dust* can cause blue-gray discoloration (argyria) of the eyes, skin, nose, mouth, throat and internal body organs. This may take years to develop but is permanent.
* **Silver** *dust* may affect the kidneys.

MEDICAL

Medical Testing

Before beginning employment and at regular times after that, the following are recommended:

* Careful, periodic exams of the eyes, inner nose, throat and skin are useful.
* Kidney function tests.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* A few medications contain **Silver**. Caution is advised in the use of these medications for persons exposed to **Silver**.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Silver** *dust* or *powder* from drums or other storage containers to process containers.
* Before entering a confined space where **Silver** *dust* or *powder* may be present, check to make sure that an explosive concentration does not exist.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Silver** *dust* should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Silver** *dust*.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Silver** *dust*, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Silver** *dust*, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Silver** *dust* is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Silver** *dust*. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.
* Contact lenses should not be worn when working with this substance.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Silver** *dust*, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential exists for exposure over **0.25 mg/m^3**, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **10 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **10 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

HANDLING AND STORAGE

* Prior to working with **Silver** you should be trained on its proper handling and storage.
* **Silver** *dust* or *powder* is not compatible with OXYGEN; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); ACETYLENE; AMMONIA; HYDROGEN PEROXIDE; ETHYLENEIMINE; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE) BROMOAZIDE; CHLORINE TRIFLUORIDE; OXALIC; ACID; and TARTARIC ACID.
* Store in tightly closed containers in a cool, well-ventilated area away from LIGHT and AIR.
* Sources of ignition, such as smoking and open flames, are prohibited where **Silver** *dust* or *powder* is used, handled, or stored.
* Metal containers involving the transfer of **Silver** *dust* or *powder* should be grounded and bonded.
* Use only non-sparking tools and equipment, especially when opening and closing containers of **Silver** *dust* or *powder*.
* Wherever **Silver** *dust* or *powder* is used, handled, manufactured, or stored, use explosion-proof electrical equipment and fittings.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?

A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?

A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?

A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?

A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?

A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> E M E R G E N C Y I N F O R M A T I O N <<<<<<<<<<<<<<<<<

Common Name: **SILVER**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **7440-22-4**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
FLAMMABLE DUST OR POWDER POISONOUS FUMES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* *Solid* **Silver** does not burn but is FLAMMABLE in *dust* or *powder* form.
* For fires involving **Silver** *metal* extinguish fire using an agent suitable for type of surrounding fire. **Silver** *metal* itself does not burn.
* For fires involving **Silver** *dust* or *powder* use dry chemical powder extinguishers.
* POISONOUS FUMES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Silver** in *dust* or *powder* form is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Remove all ignition sources.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* Keep **Silver** *dust* or *powder* out of a confined space, such as a sewer, because of the possibility of an explosion, unless the sewer is designed to prevent the build-up of explosive concentrations.
* It may be necessary to contain and dispose of **Silver** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE (See page 3)

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention immediately.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash area with large amounts of soap and water. Seek medical attention immediately.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 0 mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Silver

Other Names:

Argentum; Shell Silver

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

Right to Know Hazardous Substance Fact Sheet

Common Name: **SODIUM**

Synonyms: Natrium

Chemical Name: Sodium

Date: April 2001 Revision: April 2010

CAS Number: 7440-23-5

RTK Substance Number: 1674

DOT Number: UN 1428

Hazard Summary

Sodium is an odorless, soft, silvery-white metal. It is used as a laboratory reagent, to make other chemicals and *Sodium compounds*, in non-glare lighting on highways, and as a heat transfer agent.

Right to Know Hazardous Substance List

- **Sodium** is on the Right to Know Hazardous Substance List because it is cited by DOT, NFPA, and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Quickly brush off excess chemical from the face. Immediately flush with large amounts of water for at least 30 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while flushing. Seek medical attention immediately.

Skin Contact

- Quickly remove contaminated clothing. Immediately blot or brush off excess chemical and wash gently with large amounts of water for at least 30 minutes. Seek medical attention immediately.

Inhalation

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.
- Medical observation is recommended for 24 to 48 hours after overexposure, as pulmonary edema may be delayed.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

HAZARDOUS PROPERTIES

Hazard Rating

Hazard Rating	NJDHSS	NFPA
HEALTH	-	3
FLAMMABILITY	-	3
REACTIVITY	-	2
FLAMMABLE WATER AND AIR REACTIVE POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **Sodium** can affect you when inhaled.
- Contact can severely irritate and burn the skin and eyes with possible eye damage.
- Exposure can irritate the nose and throat.
- Inhaling **Sodium** can irritate the lungs. Higher exposures may cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency.
- **Sodium** can cause headache, nausea, vomiting, diarrhea and abdominal pain.
- When **Sodium** combines with moisture from the air or skin it becomes corrosive *Sodium Hydroxide*. *For more information, consult the Right to Know Hazardous Substance Fact Sheet on SODIUM HYDROXIDE*.
- **Sodium** is FLAMMABLE and REACTIVE and a DANGEROUS FIRE and EXPLOSION HAZARD when exposed to WATER, STEAM, AIR or MOIST AIR.

Workplace Exposure Limits

No occupational exposure limits have been established for **Sodium**. However, it may pose a health risk. Always follow safe work practices.

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- Read the product manu□acturer□s Material Sa□ety Data Sheet □MSDS□and the label to determine product ingredients and important sa□ety and health in□ormation about the product mi□ture.
- For each individual hazardous ingredient, read the New □ersey Department o□Health and Senior Services Hazardous Substance Fact Sheet, available on the RT□ Program website □www.n□gov/health/eoh/rtkweb□or in your □acility□s RT□ Central File or Hazard Communication Standard □ile.
- You have a right to this in□ormation under the New □ersey Worker and Community Right to □now Act and the Public Employees Occupational Sa□ety and Health □PEOSH□Act i□you are a public worker in New □ersey, and under the □ederal Occupational Sa□ety and Health Act □OSHA□i□you are a private worker.
- The New □ersey Right to □now Act re□uires most employers to label chemicals in the workplace and re□uires public employers to provide their employees with in□ormation concerning chemical hazards and controls. The □ederal OSHA Hazard Communication Standard □29 CFR 1910.1200□and the PEOSH Hazard Communication Standard □N.□A.C. 12:100-7□re□uire employers to provide similar in□ormation and training to their employees.

This Fact Sheet is a summary o□available in□ormation regarding the health hazards that may result □rom e□posure. Duration o□e□posure, concentration o□the substance and other □actors will a□ect your susceptibility to any o□the potential e□ects described below.

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Acute Health Effects

The □ollowing acute □short-term□health e□ects may occur immediately or shortly a□ter e□posure to **Sodium**:

- Contact can severely irritate and burn the skin and eyes with possible eye damage.
- E□posure can irritate the nose and throat.
- Inhaling **Sodium** can irritate the lungs causing coughing and/or shortness o□breath. Higher e□posures may cause a build-up o□□luid in the lungs □pulmonary edema□, a medical emergency, with severe shortness o□breath.
- **Sodium** can cause headache, nausea, vomiting, diarrhea and abdominal pain.
- When **Sodium** combines with moisture □rom the air or skin, it becomes corrosive *Sodium Hydroxide*.

Chronic Health Effects

The □ollowing chronic □long-term□health e□ects can occur at some time a□ter e□posure to **Sodium** and can last □or months or years:

Cancer Hazard

- According to the in□ormation presently available to the New □ersey Department o□Health and Senior Services, **Sodium** has not been tested □or its ability to cause cancer in animals.

Reproductive Hazard

- According to the in□ormation presently available to the New □ersey Department o□Health and Senior Services, **Sodium** has not been tested □or its ability to a□ect reproduction.

Other Effects

- **Sodium** can irritate the lungs. Repeated e□posure may cause bronchitis to develop with coughing, phlegm, and/or shortness o□breath.

M□d□□□□

Medical Testing

I□symptoms develop or overe□posure is suspected, the □ollowing is recommended:

- Consider chest □-ray a□ter acute overe□posure

Any evaluation should include a care□ul history o□past and present symptoms with an e□am. Medical tests that look □or damage already done are not a substitute □or controlling e□posure.

Re□uest copies o□your medical testing. You have a legal right to this in□ormation under the OSHA Access to Employee E□posure and Medical Records Standard □29 CFR 1910.1020□.

Mixed Exposures

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical e□posure. Even i□ you have smoked □or a long time, stopping now will reduce your risk o□developing health problems.

Work Practices and Engineering Controls

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Before entering a confined space where **Sodium** may be present, check to make sure that an explosive concentration does not exist.
- Always keep **Sodium** dry and store under a liquid such as *Kerosene*.

Personal Protective Equipment (PPE)

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Sodium**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile gloves, and flame-retardant protective clothing for **Sodium**.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear eye protection with side shields or goggles.
- If additional protection is needed for the entire face, use in combination with a face shield. A face shield should not be used without another type of eye protection.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for overexposure to **Sodium**, use a NIOSH approved full facepiece negative pressure, air-purifying, particulate filter respirator with an N, R or P95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Sodium**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential for high exposure exists, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.

Fire Fighting

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Sodium** is a FLAMMABLE SOLID which will ignite spontaneously in AIR or MOIST AIR and reacts violently with WATER or STEAM to produce flammable and explosive *Hydrogen gas*.
- Use dry chemicals appropriate for extinguishing metal fires such as graphite, soda ash or powdered sodium chloride.
- DO NOT USE WATER, CO_2 or halogenated extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Sodium Oxides*.

[illegible]

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Sodium** is spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- DO NOT sweep up dry material, keep dry, cover with dry sand, limestone or clay, and place quickly into a dry container of *Kerosene*, *Naphtha*, *Light Oil* or similar material.
- DO NOT USE WATER OR WET METHOD.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- Keep **Sodium** out of confined spaces, such as sewers, because of the possibility of an explosion.
- It may be necessary to contain and dispose of **Sodium** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the Federal Environmental Protection Agency (EPA) for specific recommendations.

[illegible]

Prior to working with **Sodium** you should be trained on its proper handling and storage.

- **Sodium** reacts violently with WATER, STEAM, AIR and MOIST AIR to produce corrosive *Sodium Hydroxide* and flammable and explosive *Hydrogen gas*.
- **Sodium** can react explosively or violently with a broad range of chemicals including METALS (such as ALUMINUM, ARSENIC and ZINC), METAL COMPOUNDS, STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC), OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE), CHLORINATED HYDROCARBONS (such as METHYLENE CHLORIDE and TRICHLOROETHYLENE), CARBON DIOXIDE, AZIDES, and MALEIC ANHYDRIDE.
- Store under *Kerosene*, *Naphtha* or other *Light Oil* and in tightly closed containers in a cool, well-ventilated area away from ORGANICS and all forms of MOISTURE.
- Sources of ignition, such as smoking and open flames, are prohibited where **Sodium** is used, handled, or stored.
- Use only non-sparking tools and equipment, especially when opening and closing containers of **Sodium**.

[illegible] Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **critical temperature** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

R rd

Emergency Responders Quick Reference

Common Name: **SODIUM**

Synonyms: Natrium
CAS No: 7440-23-5
Molecular Formula: Na
RT Substance No: 1674
Description: Odorless, so t, silvery-white metal

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Hazard Rating	Firefighting	Reactivity
3 - Health **3 - Fire** **2 - Reactivity** **DOT#:** UN 1428 **ERG Guide #:** 138 **Hazard Class:** 4.3 Dangerous when wet	**Sodium** is a FLAMMABLE SOLID which will ignite spontaneously in AIR or MOIST AIR and reacts violently with WATER or STEAM to produce lammable and e plosive *Hydrogen gas*. Use dry chemicals appropriate or e tinguishing metal ires such as graphite, soda ash or powdered sodium chloride. DO NOT USE WATER, CO_2 or halogenated e tinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including *Sodium Oxides*.	**Sodium** reacts violently with WATER, STEAM, AIR and MOIST AIR to produce corrosive *Sodium Hydroxide* and lammable and e plosive *Hydrogen gas*. **Sodium** can react e plosively or violently with a broad range o chemicals including METALS such as ALUMINUM, ARSENIC and INC METAL COMPOUNDS STRONG ACIDS such as HYDROCHLORIC, SULFURIC and NITRIC O IDI ING AGENTS such as PERCHLORATES, PERO IDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE CHLORINATED HYDROCARBONS such as METHYLENE CHLORIDE and TRICHLOROETHYLENE CARBON DIO IDE A IDES and MALEIC ANHYDRIDE.

I A

Isolation Distance:

Spill: 25 meters 75 eet

Fire: 800 meters 1/2 mile

DO NOT sweep up dry material, keep dry, cover with dry sand, limestone or clay, and place uickly into a container o *Kerosene*, *Naphtha, Light Oil* or similar material.

Use only non-sparking tools and e uipment, especially when opening and closing containers o **Sodium**.

DO NOT wash into sewer.

eep **Sodium** out o con ined spaces, such as sewers, because o the possibility o an e plosion.

Sodium is dangerous to a uatic li e at high concentrations.

I A R R I

Odor Threshold:	Odorless
Flash Point:	Flammable solid
Auto Ignition Temp:	239°F 115°C
Vapor Density:	0.003 air 1
Vapor Pressure:	1.2 mm Hg at 752°F 400°C
Specific Gravity:	0.97 water 1
Water Solubility:	Decomposes violently
Boiling Point:	1,619°F 882°C
Melting Point:	208°F 98°C
Molecular Weight:	22.49

R IMI

No occupational e posure limits have been established or **Sodium**.

The Protective Action Criteria values are:

PAC-1 0.5 mg/m^3 PAC-2 5 mg/m^3
PAC-3 50 mg/m^3

R I M N

Gloves:	Nitrile 8-hr breakthrough or *Kerosene* and *Naphtha*
Coveralls:	Turn out gear or lash protection
Respirator:	0.5 mg/m^3 - ull acepiece APR with High e iciency ilters 5 mg/m^3 - SCBA

A

Eyes:	Irritation and burns
Skin:	Irritation and burns
Inhalation:	Nose, throat and lung irritation, with coughing, and severe shortness o breath pulmonary edema Headache, dizziness, nausea and vomiting

IR AI AN N AMINA I N

Remove the person rom e posure.

Quickly brush o e cess chemical rom the ace. Flush with large amounts o water or at least 30 minutes. Remove contact lenses, i worn. Seek medical attention immediately.

Quickly remove contaminated clothing. Immediately blot or brush o e cess chemical and wash with large amounts o water or at least 30 minutes. Seek medical attention immediately.

Begin arti icial respiration i breathing has stopped and CPR i necessary.

Transfer promptly to a medical acility.

Medical observation is recommended as symptoms may be delayed.

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- Read the product manu□acturer□s Material Sa□ety Data Sheet □MSDS□and the label to determine product ingredients and important sa□ety and health in□ormation about the product mi□ture.
- For each individual hazardous ingredient, read the New □ersey Department o□Health and Senior Services Hazardous Substance Fact Sheet, available on the RT□ Program website □www.n□gov/health/eoh/rtkweb□or in your □acility□s RT□ Central File or Hazard Communication Standard □ile.
- You have a right to this in□ormation under the New □ersey Worker and Community Right to □now Act and the Public Employees Occupational Sa□ety and Health □PEOSH□Act i□you are a public worker in New □ersey, and under the □ederal Occupational Sa□ety and Health Act □OSHA□i□you are a private worker.
- The New □ersey Right to □now Act re□uires most employers to label chemicals in the workplace and re□uires public employers to provide their employees with in□ormation concerning chemical hazards and controls. The □ederal OSHA Hazard Communication Standard □29 CFR 1910.1200□and the PEOSH Hazard Communication Standard □N.□A.C. 12:100-7□re□uire employers to provide similar in□ormation and training to their employees.

This Fact Sheet is a summary o□available in□ormation regarding the health hazards that may result □rom e□posure. Duration o□e□posure, concentration o□the substance and other □actors will a□ect your susceptibility to any o□the potential e□ects described below.

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Acute Health Effects

The □ollowing acute □short-term□health e□ects may occur immediately or shortly a□ter e□posure to **Tetrachloroethylene**:

- Contact can irritate and burn the skin and eyes.
- E□posure can irritate the eyes, nose and throat.
- Inhaling **Tetrachloroethylene** can irritate the lungs causing coughing and/or shortness o□breath. Higher e□posures may cause a build-up o□□luid in the lungs □pulmonary edema□, a medical emergency, with severe shortness o□breath.
- E□posure can cause headache, dizziness, lightheadedness, incoordination, nausea, vomiting, and passing out.

Chronic Health Effects

The □ollowing chronic □long-term□health e□ects can occur at some time a□ter e□posure to **Tetrachloroethylene** and can last □or months or years:

Cancer Hazard

- **Tetrachloroethylene** is a PROBABLE CARCINOGEN in humans. There is evidence that it causes cancer o□the liver, esophagus, bladder, and other types o□cancer in humans. It has also been shown to cause cancer o□the liver and leukemia in animals.
- Many scientists believe there is no sa□e level o□e□posure to a carcinogen.

Reproductive Hazard

- **Tetrachloroethylene** may damage the developing □etus.
- **Tetrachloroethylene** may decrease □ertility in males and □emales and may damage the male □testes□and □emale □ovaries□reproductive systems in animals.
- There is limited evidence that **Tetrachloroethylene** causes spontaneous abortions.

Other Effects

- Prolonged or repeated e□posure can cause drying and cracking o□the skin with rash, redness and blisters.
- **Tetrachloroethylene** may damage the liver and kidneys and a□ect the nervous system and heart

M□d□□□□

Medical Testing

For □re□uent or potentially high e□posure □hal□the TLV or greater□, the □ollowing are recommended be□ore beginning work and at regular times a□ter that:

- Liver and kidney □unction tests

I□symptoms develop or overe□posure is suspected, the □ollowing are recommended:

- Consider chest □-ray a□ter acute overe□posure
- E□am o□the nervous system
- E□G

Any evaluation should include a care□ul history o□past and present symptoms with an e□am. Medical tests that look □or damage already done are not a substitute □or controlling e□posure.

You have a legal right to re□uest copies o□your medical testing under the OSHA Access to Employee E□posure and Medical Records Standard □29 CFR 1910.1020□.

Mixed Exposures

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical e□posure. Even i□ you have smoked □or a long time, stopping now will reduce your risk o□developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **Tetrachloroethylene**.

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Very to□ic chemicals, or those that are reproductive hazards or sensitizers, re□uire e□pert advice on control measures i□a less to□ic chemical cannot be substituted. Control measures include: □1□enclosing chemical processes □or severely irritating and corrosive chemicals, □2□using local e□haust ventilation □or chemicals that may be harm□ul with a single e□posure, and □3□using general ventilation to control e□posures to skin and eye irritants. For □urther in□ormation on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The □ollowing work practices are also recommended:

- Label process containers.
- Provide employees with hazard in□ormation and training.
- Monitor airborne chemical concentrations.
- Use engineering controls i□concentrations e□ceed recommended e□posure levels.
- Provide eye wash □ountains and emergency showers.
- Wash or shower i□skin comes in contact with a hazardous material.
- Always wash at the end o□the workshi□t.
- Change into clean clothing i□clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands care□ully be□ore eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the □ollowing may be use□ul or re□uired:

- Where possible, trans□er **Tetrachloroethylene** □rom drums or other containers to process containers in an enclosed system.

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The OSHA Personal Protective E□uipment Standard □29 CFR 1910.132□re□uires employers to determine the appropriate personal protective e□uipment □or each hazard and to train employees on how and when to use protective e□uipment.

The □ollowing recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Tetrachloroethylene**. Wear personal protective e□uipment made □rom material that can not be permeated or degraded by this substance. Sa□ety e□uipment suppliers and manu□acturers can provide recommendations on the most protective glove and clothing material □or your operation.
- The recommended glove materials □or **Tetrachloroethylene** are Polyvinyl Alcohol, Silver Shield□/4H□, Viton, Viton/Butyl and Barrier□.
- The recommended protective clothing materials □or **Tetrachloroethylene** are Tychem□ F, CPF3, BR, CSM and T□□and Trellchem□ HPS and VPS, or the e□uivalent.
- All protective clothing □suits, gloves, □ootwear, headgear□ should be clean, available each day, and put on be□ore work.

Eye Protection

- Wear indirect vent goggles when working with li□uids that may splash, spray or mist. A □ace shield is also re□uired i□ the li□uid is severely irritating or corrosive to the skin and eyes.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used i□the employer has implemented a written program that takes into account workplace conditions, re□uirements □or worker training, respirator □it testing, and medical e□ams, as described in the OSHA Respiratory Protection Standard □29 CFR 1910.134□.

- Where the potential e□ists □or e□posure to **Tetrachloro-ethylene**, use a NIOSH approved respirator with an organic vapor cartridge. More protection is provided by a □ull □acepiece respirator than by a hal□-mask respirator, and even greater protection is provided by a powered-air puri□ying respirator.
- Leave the area immediately i□□1□while wearing a □ilter or cartridge respirator you can smell, taste, or otherwise detect **Tetrachloroethylene**, □2□while wearing particulate □ilters abnormal resistance to breathing is e□perienced, or □3□eye irritation occurs while wearing a □ull □acepiece respirator. Check to make sure the respirator-to-□ace seal is still good. I□it is, replace the □ilter or cartridge. I□the seal is no longer good, you may need a new respirator.
- Consider all potential sources o□e□posure in your workplace. You may need a combination o□□ilters, pre□ilters or cartridges to protect against di□erent □orms o□a chemical □such as vapor and mist□or against a mi□ture o□chemicals.
- Where the potential e□ists □or e□posure over **25 ppm**, use a NIOSH approved supplied-air respirator with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an au□iliary sel□-contained breathing apparatus or an emergency escape air cylinder.
- E□posure to **150 ppm** is immediately dangerous to li□e and health. I□the possibility o□e□posure above **150 ppm** e□ists, use a NIOSH approved sel□-contained breathing apparatus with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode e□uipped with an emergency escape air cylinder.

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I□employees are e□pected to □ight □ires, they must be trained and e□uipped as stated in the OSHA Fire Brigades Standard □29 CFR 1910.156□.

- E□tinguish □ire using an agent suitable □or type o□ surrounding □ire. **Tetrachloroethylene** itsel□does not burn.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Hydrogen Chloride* and *Phosgene*.
- Use water spray to keep □ire-e□posed containers cool.

[illegible]

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Tetrachloroethylene** is spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Absorb liquids in dry sand, earth, or a similar material and place into sealed containers for disposal.
- Ventilate area of spill or leak.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Tetrachloroethylene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the Federal Environmental Protection Agency (EPA) for specific recommendations.

[illegible]

Prior to working with **Tetrachloroethylene** you should be trained on its proper handling and storage.

- **Tetrachloroethylene** reacts violently with *finely dispersed* or *finely divided* METALS (such as ALUMINUM, BARIUM, LITHIUM, BERYLLIUM and ZINC).
- **Tetrachloroethylene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE), SULFURIC ACID, NITRIC ACID, SODIUM HYDROXIDE and POTASSIUM HYDROXIDE.
- **Tetrachloroethylene** slowly decomposes in WATER to form acids such as *Hydrogen Chloride*.
- **Tetrachloroethylene** decomposes slowly with heating, and with exposure to ultraviolet light or on contact with hot surfaces, to form toxic *Hydrogen Chloride* and *Phosgene gases*.
- Store in tightly closed containers in a cool, well-ventilated area.

[illegible] Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Con□erence o□Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values □TLVs□□or e□posure to workplace chemicals.

Acute Exposure Guideline Levels □AEGLs□are established by the EPA. They describe the risk to humans resulting □rom once-in-a li□etime, or rare, e□posure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state □rom a li□uid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is uni□ue, identi□ying number, assigned by the Chemical Abstracts Service, to a speci□ic chemical.

CFR is the Code o□Federal Regulations, which are the regulations o□the United States government.

A **combustible** substance is a solid, li□uid or gas that will burn.

A **corrosive** substance is a gas, li□uid or solid that causes destruction o□human skin or severe corrosion o□containers.

The **critical temperature** is the temperature above which a gas cannot be li□ue□ied, regardless o□the pressure applied.

DEP is the New □ersey Department o□Environmental Protection.

DOT is the Department o□Transportation, the □ederal agency that regulates the transportation o□chemicals.

EPA is the Environmental Protection Agency, the □ederal agency responsible □or regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide □or emergency responders □or transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline □ERPG□values provide estimates o□concentration ranges where one reasonably might anticipate observing adverse e□□ects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, li□uid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a li□uid or solid gives o□□vapor that can □orm a □lammable mi□ture with air.

IARC is the International Agency □or Research on Cancer, a scienti□ic group.

Ionization Potential is the amount o□energy needed to remove an electron □rom an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk In□ormation System database on human health e□□ects that may result □rom e□posure to various chemicals, maintained by □ederal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration o□ a combustible substance □gas or vapor□in the air capable o□ continuing an e□plosion.

mg/m^3 means milligrams o□a chemical in a cubic meter o□air. It is a measure o□concentration □weight/volume□.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth de□ects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classi□ies substances according to their □ire and e□plosion hazard.

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OSHA is the □ederal Occupational Sa□ety and Health Administration, which adopts and en□orces health and sa□ety standards.

PEOSHA is the New □ersey Public Employees Occupational Sa□ety and Health Act, which adopts and en□orces health and sa□ety standards in public workplaces.

Permeated is the movement o□chemicals through protective materials.

ppm means parts o□a substance per million parts o□air. It is a measure o□concentration by volume in air.

Protective Action Criteria □PAC□are values established by the Department o□Energy and are based on AEGLs and ERPGs. They are used □or emergency planning o□chemical release events.

A **reactive** substance is a solid, li□uid or gas that releases energy under certain conditions.

STEL is a Short Term E□posure Limit which is usually a 15-minute e□posure that should not be e□ceeded at any time during a work day.

A **teratogen** is a substance that causes birth de□ects by damaging the □etus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much □uel □gas or vapor□to begin a reaction or e□plosion.

Vapor Density is the ratio o□the weight o□a given volume o□ one gas to the weight o□another □usually *Air*□, at the same temperature and pressure.

The **vapor pressure** is a □orce e□erted by the vapor in e□uilibrium with the solid or li□uid phase o□the same substance. The higher the vapor pressure the higher concentration o□the substance in air.

Emergency Responders Quick Reference

Common Name: **TETRACHLOROETHYLENE**

Synonyms: Ethene, Tetrachloro-□Ethylene Tetrachloride□Perchloroethylene
CAS No: 127-18-4
Molecular Formula: Cl_2C□CCl_2
RT□ Substance No: 1810
Description: Clear, colorless li□uid with a sweet *Ether*-like odor

□ A□ AR□ □□ A□ A□

Hazard Rating	Firefighting	Reactivity
3 - Health **0 - Fire** **0 - Reactivity** **DOT#:** UN 1897 **ERG Guide #:** 160 **Hazard Class:** 6.1 □To□ic□	E□tinguish □ire using an agent suitable □or type o□surrounding □ire. **Tetrachloroethylene** itsel□does not burn. POISONOUS GASES ARE PRODUCED IN FIRE, including *Hydrogen Chloride* and *Phosgene*. Use water spray to keep □ire-e□posed containers cool.	**Tetrachloroethylene** reacts violently with *finely dispersed* or *finely divided* METALS □such as ALUMINUM, BARIUM, LITHIUM, BERYLLIUM and □INC□. **Tetrachloroethylene** is not compatible with O□IDI□ING AGENTS □such as PERCHLORATES, PERO□IDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE□□SULFURIC ACID□NITRIC ACID□SODIUM HYDRO□IDE□and POTASSIUM HYDRO□IDE. **Tetrachloroethylene** slowly decomposes in WATER to □orm acids such as *Hydrogen Chloride*. **Tetrachloroethylene** decomposes slowly with heating, and with e□posure to ultraviolet light or on contact with hot sur□aces, to □orm to□ic *Hydrogen Chloride* and *Phosgene gases*.

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Isolation Distance:

Spill: 50 meters □150 □eet□
Fire: 800 meters □1/2 mile□

Absorb li□uids in dry sand, earth, or a similar material and place into sealed containers □or disposal.
DO NOT wash into sewer.
Tetrachloroethylene is to□ic to a□uatic organisms and may cause long term e□□ects on the a□uatic environment.

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Odor Threshold:	5 to 50 ppm
Flash Point:	Noncombustible
Vapor Density:	5.8 □air □ 1□
Vapor Pressure:	14 mm Hg at 68°F □20°C□
Specific Gravity:	1.62 □water □ 1□
Water Solubility:	Very slightly soluble
Boiling Point:	250°F □121°C□
Freezing Point:	-2°F □-19°C□
Ionization Potential:	9.32 eV
Molecular Weight:	165.8

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OSHA: 100 ppm, 8-hr TWA□200 ppm, Ceiling□ 300 ppm, Peak
NIOSH: Lowest □easible concentration
ACGIH: 25 ppm, 8-hr TWA□100 ppm, STEL
IDLH: 150 ppm

The Protective Action Criteria values are:
PAC-1 □35 ppm PAC-2 □230 ppm
PAC-3 □1,200 ppm

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Gloves: Polyvinyl Alcohol, Silver Shield□/4H□, Viton, Viton/Butyl and Barrier□ □□8-hr breakthrough□

Coveralls: Tychem□ F, CPF3, BR and CSM□Trellchem□ HPS and VPS □□8-hr breakthrough□

Respirator: □25 ppm - □ull □acepiece APR with *Organic vapor filters*
Spills or Fire - SCBA

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Eyes:	Irritation and burns
Skin:	Irritation and burns □skin absorbable□
Inhalation:	Nose, throat and lung irritation with coughing and severe shortness o□breath □pulmonary edema□ Headache, dizziness, lightheadedness, and passing out
Chronic:	Cancer □liver, esophagus and bladder□

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Remove the person □rom e□posure.
Flush eyes with large amounts o□water □or at least 15 minutes. Remove contact lenses i□worn.
Quickly remove contaminated clothing and wash contaminated skin with large amounts o□soap and water.
Begin arti□icial respiration i□breathing has stopped and CPR i□necessary.
Transfer promptly to a medical □acility.
Medical observation is recommended as symptoms may be delayed.

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **THALLIUM**

CAS Number: 7440-28-0
DOT Number: UN 1707

RTK Substance number: 1840
Date: March 1998 Revision: November 2004

HAZARD SUMMARY

* **Thallium** can affect you when breathed in and by passing through your skin.
* **Thallium** can irritate and burn the skin and eyes.
* Prolonged contact can cause blurred vision and/or loss of vision, nail changes, skin rash and dryness, and hair loss.
* Exposure can cause fatigue, poor appetite, nausea, vomiting, metallic taste, insomnia, confusion and mood changes.
* **Thallium** can damage the nervous system causing headache, weakness, irritability, pain, and "pins and needles" in the arms and legs.
* Repeated exposures can cause tremor, convulsions, hallucinations, coma and death.
* **Thallium** may damage the liver and kidneys.

IDENTIFICATION

Thallium is a solid, bluish-white metal. It is used in rodenticides for the control of vermin, and in the production of semi-conductors, photoelectric equipment, lenses and thermometers. **Thallium** is contained in flue dusts from *Lead* and *Zinc* smelters.

REASON FOR CITATION

* **Thallium** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, DEP and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **0.1 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over an 8-hour workshift.

* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Thallium** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Thallium** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Thallium**:

* **Thallium** can irritate and burn the skin and eyes.
* Exposure can cause fatigue, poor appetite, nausea, vomiting, metallic taste, insomnia, confusion and mood changes.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Thallium** and can last for months or years:

Cancer Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Thallium** has not been tested for its ability to cause cancer in animals.

Reproductive Hazard

* While **Thallium** has not been identified as a reproductive hazard, it should be HANDLED WITH CAUTION since several related *Thallium compounds* are teratogens in animals.

Other Long-Term Effects

* Prolonged contact can cause blurred vision and/or loss of vision, nail changes, skin rash and dryness, and hair loss.
* **Thallium** can damage the nervous system causing headache, weakness, irritability, pain, and "pins and needles" in the arms and legs.
* Repeated exposures can cause tremor, convulsions, hallucinations, coma and death.
* **Thallium** may damage the liver and kidneys.

MEDICAL

Medical Testing

For those with frequent or potentially high exposure (half the PEL or greater), the following is recommended before beginning work and at regular times after that:

* Complete exam of the nervous system.

If symptoms develop or overexposure is suspected, the following are recommended:

* Complete visual exam.
* Liver and kidney function tests.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* Because more than light alcohol consumption can cause liver damage, drinking alcohol can increase the liver damage caused by **Thallium**.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Thallium** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Thallium** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Thallium**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Thallium**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Thallium**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Thallium** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Thallium**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Thallium**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential exists for exposure over **1 mg/m^3**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **15 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **15 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?
A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: Who is at the greatest risk from reproductive hazards?
A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

Q: Should I be concerned if a chemical is a teratogen in animals?
A: Yes. Although some chemicals may affect humans differently than they affect animals, damage to animals suggests that similar damage can occur in humans.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

CFR is the Code of Federal Regulations, which consists of the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

IRIS is the Integrated Risk Information System database of the federal EPA.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> **E M E R G E N C Y I N F O R M A T I O N** <<<<<<<<<<<<<<<<<<

Common Name: **THALLIUM**
DOT Number: **UN 1707**
NAERG Code: **151**
CAS Number: **7440-28-0**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	0	-
REACTIVITY	0	-
DUST MAY EXPLODE IN AIR POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Thallium** in bulk form does not burn, however, **Thallium** *dust* and air mixtures may be explosive as **Thallium** is air-sensitive.
* Extinguish **Thallium** *dust* fires with dolomite, dry powder for metal fires, sand, graphite or soda ash.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Thallium** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Thallium** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Thallium** you should be trained on its proper handling and storage.
* **Thallium** is not compatible with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); REDUCING AGENTS; and ORGANICS.
* Store in tightly closed containers in a cool, well-ventilated area.
* **Thallium** should be packaged under water.

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash area with large amounts of soap and water. Seek medical attention.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Water Solubility: Insoluble

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

Material Safety Data Sheet
Toluene, 99%

ACC# 96584

Section 1 - Chemical Product and Company Identification

MSDS Name: Toluene, 99%
Catalog Numbers: AC177160000, AC177160010, AC177160025, AC177160200, AC177160250
Synonyms: Methacide; Methylbenzene; Methylbenzol; Phenylmethane; Toluol.
Company Identification:
Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410
For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
108-88-3	Benzene, methyl-	>99.0	203-625-9

Hazard Symbols: XN F
Risk Phrases: 11 20

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless liquid. Flash Point: 40 deg F. **Flammable liquid and vapor.** May cause central nervous system depression. May cause liver and kidney damage. This substance has caused adverse reproductive and fetal effects in animals. Causes digestive and respiratory tract irritation. May cause skin irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage.
Danger! Harmful or fatal if swallowed. Causes eye irritation and possible transient injury. Poison! May be absorbed through intact skin. Vapor harmful. Call physician immmediately.
Target Organs: Kidneys, central nervous system, liver.

Potential Health Effects

Eye: Causes eye irritation. May result in corneal injury. Vapors may cause eye irritation.
Skin: May cause skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. May be absorbed through the skin.
Ingestion: Aspiration hazard. May cause irritation of the digestive tract. May cause effects similar to those for inhalation exposure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Inhalation of vapor may cause respiratory tract irritation. May cause liver and kidney damage. Vapors may cause dizziness or suffocation. Overexposure may cause dizziness, tremors, restlessness, rapid heart beat, increased blood pressure, hallucinations, acidosis, kidney failure.

Chronic: Prolonged or repeated skin contact may cause dermatitis. May cause cardiac sensitization and severe heart abnormalities. May cause liver and kidney damage.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Possible aspiration hazard. Get medical aid immediately.
Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Notes to Physician: Causes cardiac sensitization to endogenous catelcholamines which may lead to cardiac arrhythmias. Do NOT use adrenergic agents such as epinephrine or pseudoepinephrine.

Section 5 - Fire Fighting Measures

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.
Extinguishing Media: Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water. For small fires, use dry chemical, carbon dioxide, water spray or regular foam. Cool containers with flooding quantities of water until well after fire is out. For large fires, use water spray, fog or regular foam.
Flash Point: 40e deg F (4.44 deg C)
Autoignition Temperature: 896 deg F (480.00 deg C)
Explosion Limits, Lower:1.1
Upper: 7.1
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as saw dust. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzene, methyl-	50 ppm TWA; skin - potential for cutaneous absorption	100 ppm TWA; 375 mg/m3 TWA 500 ppm IDLH	200 ppm TWA; 300 ppm Ceiling

OSHA Vacated PELs: Benzene, methyl-: 100 ppm TWA; 375 mg/m3 TWA
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: colorless
Odor: sweetish odor - pleasant odor
pH: Not available.
Vapor Pressure: 36.7 mm Hg @ 30C
Vapor Density: 3.1 (Air=1)
Evaporation Rate:2.4 (Butyl acetate=1)
Viscosity: 0.59 cP @ 20C
Boiling Point: 232 deg F
Freezing/Melting Point:-139 deg F
Decomposition Temperature: Not available.
Solubility: Insoluble.
Specific Gravity/Density:0.9 (Water=1)

Molecular Formula:C6H5CH3
Molecular Weight:92.056

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials: Ntrogen tetroxide, nitric acid + sulfuric acid, silver perchlorate, strong oxidizers, sodium dilfuoride, .
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 108-88-3: XS5250000
LD50/LC50:
CAS# 108-88-3:
Draize test, rabbit, eye: 870 ug Mild;
Draize test, rabbit, eye: 2 mg/24H Severe;
Draize test, rabbit, skin: 435 mg Mild;
Draize test, rabbit, skin: 500 mg Moderate;
Draize test, rabbit, skin: 20 mg/24H Moderate;
Inhalation, mouse: LC50 = 400 ppm/24H;
Inhalation, rat: LC50 = 49 gm/m3/4H;
Oral, rat: LD50 = 636 mg/kg;
Skin, rabbit: LD50 = 14100 uL/kg;
Carcinogenicity:
CAS# 108-88-3:
ACGIH: A4 - Not Classifiable as a Human Carcinogen
IARC: IARC Group 3 - not classifiable
Epidemiology: No information available.
Teratogenicity: Specific developmental abnormalities included craniofacial effects involving the nose and tongue, musculoskeletal effects, urogenital and metabolic effects in studies on mice and rats by the inhalation and oral routes of exposure. Some evidence of fetotoxicity with reduced fetal weight and retarded skeletal development has been reported in mice and rats.
Reproductive Effects: Effects on fertility such as abortion were reported in rabbits by inhalation. Paternal effects were noted in rats by inhalation. These effects involved the testes, sperm duct and epididymis.
Neurotoxicity: No information available.
Mutagenicity: No information available.
Other Studies: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: No data available. Bluegill LC50=17 mg/L/24H Shrimp LC50=4.3 ppm/96HFathead minnow LC50=36.2 mg/L/96HSunfish (fresh water) TLm=1180 mg/L/96H
Environmental: From soil, substance evaporates and is microbially biodegraded. In water,

substance volatilizes and biodegrades.
Physical: Photochemically produced hydroxyl radicals degrade substance.
Other: None.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: CAS# 108-88-3: waste number U220.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	TOLUENE				No information available.
Hazard Class:	3				
UN Number:	UN1294				
Packing Group:	II				

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 108-88-3 is listed on the TSCA inventory.
Health & Safety Reporting List
CAS# 108-88-3: Effective Date: 10/4/82; Sunset Date: 10/4/92
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
SARA

CERCLA Hazardous Substances and corresponding RQs
CAS# 108-88-3: 1000 lb final RQ; 454 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 108-88-3: acute, flammable.
Section 313
This material contains Benzene, methyl- (CAS# 108-88-3, 99 0%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 108-88-3 is listed as a hazardous air pollutant (HAP). This material does not contain any

Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
CAS# 108-88-3 is listed as a Hazardous Substance under the CWA. CAS# 108-88-3 is listed as a Priority Pollutant under the Clean Water Act. CAS# 108-88-3 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 108-88-3 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.
WARNING: This product contains Benzene, methyl-, a chemical known to the state of California to cause birth defects or other reproductive harm. California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
XN F
Risk Phrases:
R 11 Highly flammable.
R 20 Harmful by inhalation.

Safety Phrases:
S 16 Keep away from sources of ignition - No smoking.
S 25 Avoid contact with eyes.
S 29 Do not empty into drains.
S 33 Take precautionary measures against static discharges.

WGK (Water Danger / Protection)
CAS# 108-88-3: 2
Canada - DSL / NDSL
CAS# 108-88-3 is listed on Canada's DSL List.
Canada - WHMIS
This product does not have a WHMIS classification.
Canadian Ingredient Disclosure List
CAS# 108-88-3 is listed on the Canadian Ingredient Disclosure List.
Exposure Limits
CAS# 108-88-3: OEL-AUSTRALIA:TWA 100 ppm (375 mg/m3);STEL 150 ppm (5 60 mg/m3) OEL-BELGIUM:TWA 100 ppm (377 mg/m3);STEL 150 ppm (565 mg/m3) OEL-CZECHOSLOVAKIA:TWA 200 mg/m3;STEL 1000 mg/m3 OEL-DENMARK:TWA 5 0 ppm (190 mg/m3);Skin OEL-FINLAND:TWA 100 ppm (375 mg/m3);STEL 150 p pm;Skin OEL-FRANCE:TWA 100 ppm (375 mg/m3);STEL 150 ppm (560 mg/m3) OEL-GERMANY:TWA 100 ppm (380 mg/m3) OEL-HUNGARY:TWA 100 mg/m3;STEL 30 0 mg/m3;Skin OEL-JAPAN:TWA 100 ppm (380 mg/m3) OEL-THE NETHERLANDS:T WA 100 ppm (375 mg/m3);Skin OEL-THE PHILIPPINES:TWA 100 ppm (375 mg/m 3) OEL-POLAND:TWA 100 mg/m3 OEL-RUSSIA:TWA 100 ppm;STEL 50 mg/m3 OE L-SWEDEN:TWA 50 ppm (200 mg/m3);STEL 100 ppm (400 mg/m3);Skin OEL-SWI TZERLAND:TWA 100 ppm (380 mg/m3);STEL 500 ppm OEL-THAILAND:TWA 200 pp m;STEL 300 ppm OEL-TURKEY:TWA 200 ppm (750 mg/m3) OEL-UNITED KINGDOM :TWA 100 ppm (375 mg/m3);STEL 150 ppm;Skin OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 6/01/1999
Revision #5 Date: 3/18/2003

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **TRIMETHYL BENZENE (mixed isomers)**

CAS Number: 25551-13-7
DOT Number: UN 2325

RTK Substance number: 1929
Date: January 1997 Revision: May 2003

HAZARD SUMMARY

* **Trimethyl Benzene** can affect you when breathed in.
* Contact can irritate the skin and eyes.
* Exposure can cause you to feel dizzy, lightheaded, and to pass out.
* Repeated exposure can cause headaches, and cause you to feel nervous, tense, tired and sleepy.
* **Trimethyl Benzene** may cause changes in the blood cells and affect the blood's clotting ability.
* **Trimethyl Benzene** can irritate the lungs. Repeated exposure may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.
* *CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEET ON PSEUDOCUMENE.*

IDENTIFICATION

Trimethyl Benzene is a colorless liquid with a distinct odor. It is used in making dyes, pharmaceuticals and antioxidants, and as a solvent.

REASON FOR CITATION

* **Trimethyl Benzene** is on the Hazardous Substance List because it is cited by ACGIH, DOT, NIOSH, DEP and NFPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.
* **ODOR THRESHOLD = 2.4 ppm.**
* The range of accepted odor threshold values is quite broad. Caution should be used in relying on odor alone as a warning of potentially hazardous exposures.

WORKPLACE EXPOSURE LIMITS

NIOSH: The recommended airborne exposure limit is **25 ppm** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **25 ppm** averaged over an 8-hour workshift.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Trimethyl Benzene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Trimethyl Benzene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Trimethyl Benzene**:

* Contact can irritate the skin and eyes.
* Exposure can cause you to feel dizzy, lightheaded, and to pass out.
* Repeated exposure can cause headaches, and cause you to feel nervous, tense, tired and sleepy.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Trimethyl Benzene** and can last for months or years:

Cancer Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Trimethyl Benzene** has not been tested for its ability to cause cancer in animals.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Trimethyl Benzene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Trimethyl Benzene** may cause changes in the blood cells and affect the blood's clotting ability.
* **Trimethyl Benzene** can irritate the lungs. Repeated exposure may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.

MEDICAL

Medical Testing

If symptoms develop or overexposure is suspected, the following are recommended:

* Lung function tests.
* Complete blood count and platelet count.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* Because smoking can cause heart disease, as well as lung cancer, emphysema, and other respiratory problems, it may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically pump liquid **Trimethyl Benzene** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Trimethyl Benzene** should change into clean clothing promptly.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Trimethyl Benzene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Trimethyl Benzene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Trimethyl Benzene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, applying cosmetics, smoking, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.
OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and

to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Trimethyl Benzene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear indirect-vent, impact and splash resistant goggles when working with liquids.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **25 ppm**, use a NIOSH approved full facepiece respirator with an organic vapor cartridge. Increased protection is obtained from full facepiece powered-air purifying respirators.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Trimethyl Benzene**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential for high exposure exists, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **TRIMETHYL BENZENE**
DOT Number: **UN 2325**
NAERG Code: **129**
CAS Number: **25551-13-7**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	-	2
REACTIVITY	-	0
COMBUSTIBLE POISONOUS GASES ARE PRODUCED IN FIRE CONTAINERS MAY EXPLODE IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Trimethyl Benzene** is a COMBUSTIBLE LIQUID.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* CONTAINERS MAY EXPLODE IN FIRE.
* Use water spray to keep fire-exposed containers cool.
* Vapors may travel to a source of ignition and flash back.
* Vapor is heavier than air and may travel a distance to cause a fire or explosion far from the source.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Trimethyl Benzene** is spilled or leaked, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill or leak until clean-up is complete.
* Remove all ignition sources.
* Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Trimethyl Benzene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Trimethyl Benzene** you should be trained on its proper handling and storage.
* **Trimethyl Benzene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and NITRIC ACID.
* Store in tightly closed containers in a cool, well-ventilated area away from COMBUSTIBLES.
* Sources of ignition, such as smoking and open flames, are prohibited where **Trimethyl Benzene** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 2.1 mm Hg at 77°F (25°C)
Flash Point: 111° to 128°F (44° to 53°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

This Fact Sheet also refers to the following substances or combination of substances:

1,2,4-Trimethylbenzene (Pseudocumene)	CAS # 95-63-6
1,3,5-Trimethylbenzene (Mesitylene)	CAS # 108-67-8
1,2,3-Trimethylbenzene	CAS # 526-73-8

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

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- Read the product manu□acturer□s Material Sa□ety Data Sheet □MSDS□and the label to determine product ingredients and important sa□ety and health in□ormation about the product mi□ture.
- For each individual hazardous ingredient, read the New □ersey Department o□Health and Senior Services Hazardous Substance Fact Sheet, available on the RT□ Program website □www.n□gov/health/eoh/rtkweb□or in your □acility□s RT□ Central File or Hazard Communication Standard □ile.
- You have a right to this in□ormation under the New □ersey Worker and Community Right to □now Act and the Public Employees Occupational Sa□ety and Health □PEOSH□Act i□you are a public worker in New □ersey, and under the □ederal Occupational Sa□ety and Health Act □OSHA□i□you are a private worker.
- The New □ersey Right to □now Act re□uires most employers to label chemicals in the workplace and re□uires public employers to provide their employees with in□ormation concerning chemical hazards and controls. The □ederal OSHA Hazard Communication Standard □29 CFR 1910.1200□and the PEOSH Hazard Communication Standard □N.□A.C. 12:100-7□re□uire employers to provide similar in□ormation and training to their employees.

This Fact Sheet is a summary o□available in□ormation regarding the health hazards that may result □rom e□posure. Duration o□e□posure, concentration o□the substance and other □actors will a□ect your susceptibility to any o□the potential e□ects described below.

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Acute Health Effects

The □ollowing acute □short-term□health e□ects may occur immediately or shortly a□ter e□posure to **Xylenes**:

- Contact can irritate the skin and eyes.
- Inhaling **Xylenes** can irritate the nose and throat causing coughing and wheezing.
- E□posure can cause headache, nausea and vomiting, dizziness, lightheadedness and passing out.

Chronic Health Effects

The □ollowing chronic □long-term□health e□ects can occur at some time a□ter e□posure to **Xylenes** and can last □or months or years:

Cancer Hazard

- While **Xylenes** have been tested, they are not classi□iable as to their potential to cause cancer.

Reproductive Hazard

- **Xylenes** may damage the developing □etus.

Other Effects

- Repeated e□posure can a□ect concentration, memory, vision, and muscle coordination. Higher levels can cause coma and death.
- Prolonged or repeated contact can cause a skin rash, dryness and redness.
- **Xylenes** may damage the liver and kidneys.

M□d□□□□

Medical Testing

For □re□uent or potentially high e□posure □hal□the PEL or greater□, the □ollowing are recommended be□ore beginning work and at regular times a□ter that:

- Liver and kidney □unction tests

I□symptoms develop or overe□posure is suspected, the □ollowing are recommended:

- E□am o□the eyes and vision
- E□am o□the nervous system

Any evaluation should include a care□ul history o□past and present symptoms with an e□am. Medical tests that look □or damage already done are not a substitute □or controlling e□posure.

You have a legal right to re□uest copies o□your medical testing under the OSHA Access to Employee E□posure and Medical Records Standard □29 CFR 1910.1020□.

Mixed Exposures

- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **Xylenes**.

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Very to□ic chemicals, or those that are reproductive hazards or sensitizers, re□uire e□pert advice on control measures i□a less to□ic chemical cannot be substituted. Control measures include: □1□enclosing chemical processes □or severely irritating and corrosive chemicals, □2□using local e□haust ventilation □or chemicals that may be harm□ul with a single e□posure, and □3□using general ventilation to control e□posures to skin and eye irritants. For □urther in□ormation on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The □ollowing work practices are also recommended:

- Label process containers.
- Provide employees with hazard in□ormation and training.
- Monitor airborne chemical concentrations.
- Use engineering controls i□concentrations e□ceed recommended e□posure levels.
- Provide eye wash □ountains and emergency showers.
- Wash or shower i□skin comes in contact with a hazardous material.
- Always wash at the end o□the workshi□t.
- Change into clean clothing i□clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands care□ully be□ore eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the □ollowing may be use□ul or re□uired:

- Be□ore entering a con□ined space where **Xylenes** may be present, check to make sure that an e□plosive concentration does not e□ist.

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The OSHA Personal Protective E□uipment Standard □29 CFR 1910.132□re□uires employers to determine the appropriate personal protective e□uipment □or each hazard and to train employees on how and when to use protective e□uipment.

The □ollowing recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Xylenes**. Wear personal protective e□uipment made □rom material that can not be permeated or degraded by this substance. Sa□ety e□uipment suppliers and manu□acturers can provide recommendations on the most protective glove and clothing material □or your operation.
- The recommended glove materials □or **Xylenes** are Viton/Butyl, Polyvinyl Alcohol, Silver Shield□/4H□, Viton and Barrier□.
- The recommended protective clothing materials □or **Xylenes** are Tychem□ BR, CSM and T□, or the e□uivalent.
- All protective clothing □suits, gloves, □ootwear, headgear□ should be clean, available each day, and put on be□ore work.

Eye Protection

- Wear indirect vent goggles when working with li□uids that may splash, spray or mist. A □ace shield is also re□uired i□ the li□uid is severely irritating or corrosive to the skin and eyes.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used i□the employer has implemented a written program that takes into account workplace conditions, re□uirements □or worker training, respirator □it testing, and medical e□ams, as described in the OSHA Respiratory Protection Standard □29 CFR 1910.134□. **Only NIOSH approved respirators should be used.**

- Where the potential e□ists □or e□posure over **100 ppm**, use a □ull □acepiece respirator with an organic vapor cartridge. Increased protection is obtained □rom □ull □acepiece powered-air puri□ying respirators.
- Leave the area immediately i□□1□while wearing a □ilter or cartridge respirator you can smell, taste, or otherwise detect **Xylenes**, □2□while wearing particulate □ilters abnormal resistance to breathing is e□perienced, or □3□eye irritation occurs while wearing a □ull □acepiece respirator. Check to make sure the respirator-to-□ace seal is still good. I□it is, replace the □ilter or cartridge. I□the seal is no longer good, you may need a new respirator.
- Consider all potential sources o□e□posure in your workplace. You may need a combination o□□ilters, pre□ilters or cartridges to protect against di□erent □orms o□a chemical □such as vapor and mist□or against a mi□ture o□chemicals.
- Where the potential □or high e□posure e□ists, use a supplied-air respirator with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an au□iliary sel□-contained breathing apparatus or an emergency escape air cylinder.
- E□posure to **900 ppm** is immediately dangerous to li□e and health. I□the possibility o□e□posure above **900 ppm** e□ists, use a sel□-contained breathing apparatus with a □ull □acepiece operated in a pressure-demand or other positive-pressure mode e□uipped with an emergency escape air cylinder.

□□r□□ □□□rd□□

I□employees are e□pected to □ight □ires, they must be trained and e□uipped as stated in the OSHA Fire Brigades Standard □29 CFR 1910.156□.

- **Xylenes** are FLAMMABLE LI□UIDS.
- Use dry chemical, CO_2, water spray or □oam as e□tinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- CONTAINERS MAY E□PLODE IN FIRE.
- Use water spray to keep □ire-e□posed containers cool.
- Vapors are heavier than air and may travel a distance to cause a □ire or e□plosion □ar □rom the source and □lash back.
- Flow or agitation may generate electrostatic charges.
- **Xylenes** may □orm an ignitable vapor/air mi□ture in closed tanks or containers.

[illegible]

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Xylenes** are spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Absorb *liquids* in dry sand, earth, or a similar material and place into sealed containers for disposal.
- Keep **Xylenes** out of confined spaces, such as sewers, because of the possibility of an explosion.
- Ventilate area of spill or leak.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Xylenes** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the Federal Environmental Protection Agency (EPA) for specific recommendations.

[illegible]

Prior to working with **Xylenes** you should be trained on its proper handling and storage.

- **Xylenes** react with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC).
- Store in tightly closed containers in a cool, well-ventilated area.
- Sources of ignition, such as smoking and open flames, are prohibited where **Xylenes** are used, handled, or stored.
- Metal containers involving the transfer of **Xylenes** should be grounded and bonded.
- Use explosion-proof electrical equipment and fittings wherever **Xylenes** are used, handled, manufactured, or stored.
- Use only non-sparking tools and equipment, especially when opening and closing containers of **Xylenes**.

[illegible] Right to Know Program

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **critical temperature** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

R rd

Emergency Responders Quick Reference

Common Name: **XYLENES**

Synonyms: Dimethylbenzene Methyl Toluene mi ed isomers ylol
CAS No: 1330-20-7
Molecular Formula: $C_6H_4(CH_3)_2$
RTK Substance No: 2014
Description: Colorless liquids with a faint, sweet odor

A AR A A

Hazard Rating	Firefighting	Reactivity
2 - Health **3 - Fire** **0 - Reactivity** **DOT#:** UN 2014 **ERG Guide #:** 130 **Hazard Class:** 3 Flammable	FLAMMABLE LIQUIDS Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. CONTAINERS MAY EXPLODE IN FIRE. Use water spray to keep fire-exposed containers cool. Vapors are heavier than air and may travel a distance to cause a fire or explosion far from the source and flash back. Flow or agitation may generate electrostatic charges. **Xylenes** may form an ignitable vapor/air mixture in closed tanks or containers.	**Xylenes** react with OXIDIZING AGENTS such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE and STRONG ACIDS such as HYDROCHLORIC, SULFURIC and NITRIC.

I A

Isolation Distance:

Spill: 50 meters 150 feet

Fire: 800 meters 1/2 mile

Absorb *liquids* in dry sand, earth, or a similar material and place into sealed containers for disposal.

Ground and bond containers when transferring **Xylenes**.

Use only non-sparking tools and equipment.

Keep **Xylenes** out of confined spaces, such as sewers, because of the possibility of an explosion.

DO NOT wash into sewer.

Xylenes are toxic to aquatic organisms.

I A R R I

Odor Threshold:	0.07 to 40 ppm
Flash Point:	63° to 77°F (17° to 25°C)
LEL:	0.9 to 1.1%
UEL:	6.7 to 7%
Auto Ignition Temp:	867° to 984°F (464° to 529°C)
Vapor Density:	3.7 (air = 1)
Vapor Pressure:	7 to 9 mm Hg at 68°F (20°C)
Specific Gravity:	0.86 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	279° to 291°F (137° to 144°C)
Freezing Point:	-53°F (-47°C) to 55.4°F (13°C)
Ionization Potential:	8.44 to 8.56 eV
Molecular Weight:	106.2

R IMI

OSHA:	100 ppm, 8-hr TWA
NIOSH:	100 ppm, 10-hr TWA; 150 ppm, STEL
ACGIH:	100 ppm, 8-hr TWA; 150 ppm, STEL
IDLH:	900 ppm

The Protective Action Criteria values are:
PAC-1 = 130 ppm PAC-2 = 920 ppm PAC-3 = 2,500 ppm

R I M N

Gloves:	Vinton/Butyl, Polyvinyl Alcohol, Silver Shield/4H, Viton and Barrier > 8-hr breakthrough
Coveralls:	Tychem BR, CSM and T > 8-hr breakthrough **Use turnout gear or flash protection if ignition/fire is the greatest hazard**
Respirator:	100 ppm - full facepiece APR with *Organic vapor cartridge* 900 ppm - SCBA

A

Eyes:	Irritation
Skin:	Irritation skin absorbable
Inhalation:	Nose and throat irritation with coughing and wheezing Headache, dizziness, lightheadedness, and passing out

IR Al AN N AMINA I N

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **ZINC OXIDE**

CAS Number: 1314-13-2
DOT Number: UN 3077
DOT Hazard Class: 9 (Miscellaneous Hazardous Material)

RTK Substance number: 2037
Date: February 2000 Revision: January 2007

HAZARD SUMMARY

* **Zinc Oxide** can affect you when breathed in.
* Exposure to **Zinc Oxide** can cause "*metal fume fever*." This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.
* **Zinc Oxide** may be released when welding galvanized metal.

IDENTIFICATION

Zinc Oxide is a white or yellowish-white, odorless powder which is used in pigments, rubber, paints, ceramics, plastics, cosmetics and pharmaceuticals. **Zinc Oxide** *fumes* are fine, white, odorless particles which are formed when *Zinc* or *Zinc alloys* are heated to high temperatures (such as in welding, galvanizing and smelting).

REASON FOR CITATION

* **Zinc Oxide** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, DEP and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **5 mg/m^3** (for **Zinc Oxide** *fume*), **15 mg/m^3** (for *total dust*), and **5 mg/m^3** (for *respirable dust*) averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **5 mg/m^3** (for **Zinc Oxide** *fume* and *dust*) averaged over a 10-hour workshift, **10 mg/m^3** as a short-term exposure limit (for **Zinc Oxide** *fume*), and **15 mg/m^3** (for **Zinc Oxide** *dust*), not to be exceeded at any time.

ACGIH: The recommended airborne exposure limit is **2 mg/m^3** averaged over an 8-hour workshift and **10 mg/m^3** as a STEL (short-term exposure limit) for the *respirable fraction*.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Zinc Oxide** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Zinc Oxide** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Metal, metal compounds and alloys are often used in "hot" operations in the workplace. These may include, but are not limited to, welding, brazing, soldering, plating, cutting, and metallizing. At the high temperatures reached in these operations, metals often form metal fumes which have different health effects and exposure standards than the original metal or metal compound and require specialized controls. Your workplace can be evaluated for the presence of particular fumes which may be generated. Consult the appropriate New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Zinc Oxide**:

* Exposure to **Zinc Oxide** can cause *"metal fume fever."* This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Zinc Oxide** and can last for months or years:

Cancer Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Zinc Oxide** has not been tested for its ability to cause cancer in animals.

Reproductive Hazard

* **Zinc Oxide** may damage the developing fetus.

Other Long-Term Effects

* **Zinc Oxide** has not been tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Zinc Oxide** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Zinc Oxide** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Zinc Oxide**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Zinc Oxide**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Zinc Oxide**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Zinc Oxide** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, applying cosmetics, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Zinc Oxide**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear eye protection with side shields or goggles.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Zinc Oxide**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential exists for exposure over **20 mg/m^3**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **500 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **500 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Who is at the greatest risk from reproductive hazards?

A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?

A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

CFR is the Code of Federal Regulations, which consists of the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

IRIS is the Integrated Risk Information System database of the federal EPA.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **ZINC OXIDE**
DOT Number: **UN 3077**
DOT Hazard Class: **9 (Miscellaneous Hazardous Material)**
NAERG Code: **171**
CAS Number: **1314-13-2**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	0	-
REACTIVITY	0	-
DOES NOT BURN POISONOUS FUMES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* Extinguish fire using an agent suitable for type of surrounding fire. **Zinc Oxide** itself does not burn.
* POISONOUS FUMES ARE PRODUCED IN FIRE, including *Zinc Oxide fumes*.
* If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

SPILLS AND EMERGENCIES

If **Zinc Oxide** is spilled, take the following steps:

* Evacuate personnel and secure and control entrance to the area.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Zinc Oxide** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

HANDLING AND STORAGE

* Prior to working with **Zinc Oxide** you should be trained on its proper handling and storage.
* Mixtures of **Zinc Oxide** and CHLORINATED RUBBER may explode when heated above 419°F (215°C).
* MAGNESIUM heated with **Zinc Oxide** may result in an explosion.
* **Zinc Oxide** is not compatible with LINSEED OIL VARNISH; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and HYDROFLUORIC).
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 0 mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Zinc Oxide (ZnO)
Other Names:
Zincite; Zinc White; Zinc Peroxide

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

APPENDIX C

HEAT AND COLD STRESS FACT SHEETS

Protecting Yourself from

Cold Stress

Workers who are exposed to extreme cold or work in cold environments may be at risk of cold stress. Extremely cold or wet weather is a dangerous situation that can cause occupational illness and injuries such as hypothermia, frostbite, trench foot, and chilblains.

Hypothermia

A condition in which the body uses up its stored energy and can no longer produce heat. Often occurs after prolonged exposure to cold temperature.

Early symptoms

- Shivering
- Fatigue
- Loss of coordination
- Confusion and disorientation

Late symptoms

- No shivering
- Blue skin
- Dilated pupils
- Slowed pulse and breathing
- Loss of consciousness

First Aid

- Request immediate medical assistance.
- Move the victim into a warm room or shelter.
- Remove wet clothing.
- Warm the center of their body first—chest, neck, head, and groin—using an electric blanket; or use skin-to-skin contact under loose, dry layers of blankets, clothing, or towels.
- If conscious, warm beverages may help increase the body temperature. Do not give alcohol.
- Once temperature has increased keep them dry and wrapped in a warm blanket, including the head and neck.
- If no pulse, begin CPR.

Frostbite

An injury to the body that is caused by freezing, which most often affects the nose, ears, cheeks, chin, fingers, or toes.

Symptoms

- Reduced blood flow to hands and feet
- Numbness
- Aching
- Tingling or stinging
- Bluish or pale, waxy skin

First Aid

- Get into a warm room as soon as possible.
- Unless necessary, do not walk on frostbitten feet or toes.
- Immerse the affected area in warm (not hot) water, or warm the affected area using body heat. Do not use a heating pad, fireplace, or radiator for warming.
- Do not massage the frostbitten area; doing so may cause more damage.

Trench Foot

An injury of the feet resulting from prolonged exposure to wet and cold conditions that can occur at temperatures as high as 60 °F if the feet are constantly wet.

Symptoms

- Reddening of the skin
- Numbness
- Leg cramps
- Swelling
- Tingling pain
- Blisters or ulcers
- Bleeding under the skin
- Gangrene (foot may turn dark purple, blue, or gray)

First Aid

- Remove shoes/boots and wet socks.
- Dry feet.
- Avoid walking on feet, as this may cause tissue damage.

Chilblains

Ulcers formed by damaged small blood vessels in the skin, caused by the repeated exposure of skin to temperatures just above freezing to as high as 60 °F.

Symptoms

- Redness
- Itching
- Possible blistering
- Inflammation
- Possible ulceration in severe cases

First Aid

- Avoid scratching.
- Slowly warm the skin.
- Use corticosteroid creams to relieve itching and swelling
- Keep blisters and ulcers clean and covered.

Protect Yourself

- Monitor your physical condition and that of your coworkers.
- Wear appropriate clothing.
  - Wear several layers of loose clothing for insulation.
  - Tight clothing reduces blood circulation to the extremities.
- Be aware that some clothing may restrict movement resulting in a hazardous situation.
- Protect the ears, face, hands and feet in extremely cold or wet weather.
  - Boots should be waterproof and insulated.
  - Wear a hat to reduce the loss of body heat from your head.
- Move into warm locations during breaks; limit the amount of time outside.
- Carry extra socks, gloves, hats, jacket, blankets, a change of clothes and a thermos of hot liquid.
- Include chemical hot packs in your first aid kit.
- Avoid touching cold metal surfaces with bare skin.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health

www.cdc.gov/niosh/topics/outdoor/

DHHS (NIOSH) Publication No. 2010–115

Telephone: 1–800–CDC–INFO
TTY: 1–888–232–6348
E-mail: cdcinfo@cdc.gov

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NIOSH

Fast Facts

Protecting Yourself from
Heat Stress

Heat stress, from exertion or hot environments, places workers at risk for illnesses such as heat stroke, heat exhaustion, or heat cramps.

Heat Stroke

A condition that occurs when the body becomes unable to control its temperature, and can cause death or permanent disability.

Symptoms

- High body temperature
- Confusion
- Loss of coordination
- Hot, dry skin or profuse sweating
- Throbbing headache
- Seizures, coma

First Aid

- Request immediate medical assistance.
- Move the worker to a cool, shaded area.
- Remove excess clothing and apply cool water to their body.

Heat Exhaustion

The body's response to an excessive loss of water and salt, usually through sweating.

Symptoms

- Rapid heart beat
- Heavy sweating
- Extreme weakness or fatigue
- Dizziness
- Nausea, vomiting
- Irritability
- Fast, shallow breathing
- Slightly elevated body temperature

First Aid

- Rest in a cool area.
- Drink plenty of water or other cool beverages.
- Take a cool shower, bath, or sponge bath.

Heat Cramps

Affect workers who sweat a lot during strenuous activity. Sweating depletes the body's salt and moisture levels.

Symptoms

- Muscle cramps, pain, or spasms in the abdomen, arms or legs

First Aid

- Stop all activity, and sit in a cool place.
- Drink clear juice or a sports beverage, or drink water with food.
  - Avoid salt tablets.
- Do not return to strenuous work for a few hours after the cramps subside.
- Seek medical attention if you have the following: heart problems, are on a low-sodium diet, or if the cramps do not subside within one hour.

Protect Yourself

Avoid heavy exertion, extreme heat, sun exposure, and high humidity when possible. When these cannot be avoided, take the following preventative steps:

- Monitor your physical condition and that of your coworkers for signs or symptoms of heat illnesses.
- Wear light-colored, loose-fitting, breathable clothing such as cotton.
  - Avoid non-breathable synthetic clothing.
- Gradually build up to heavy work.
- Schedule heavy work during the coolest parts of day.
- Take more breaks when doing heavier work, and in high heat and humidity.
  - Take breaks in the shade or a cool area.
- Drink water frequently. Drink enough water that you never become thirsty.
- Be aware that protective clothing or personal protective equipment may increase the risk of heat-related illnesses.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health

www.cdc.gov/niosh/topics/outdoor/

DHHS (NIOSH) Publication No. 2010–114

Telephone: 1–800–CDC–INFO
TTY: 1–888–232–6348
E-mail: cdcinfo@cdc.gov

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APPENDIX D

JOBSITE SAFETY INSPECTION FORM

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Client: _____ Inspection Date: _____

Site: _____ Inspector: _____

Project Number: _____

Check one of the following: **A:** Acceptable **NA**: Not Applicable **D**: Deficiency

	A	NA	D	Remarks
1. HASP available on site for inspection?				
2. Health & Safety Compliance agreement (in HASP) appropriately signed by Langan employees and subcontractors?				
3. Hospital route map with directions posted on site?				
4. Emergency Notification List posted on site?				
5. First Aid kit available and properly stocked?				
6. Personnel trained in CPR/First Aid on site?				
7. MSDSs readily available, and all workers knowledgeable about the specific chemicals and compounds to which they may be exposed?				
8 Appropriate PPE being worn by Langan employees and subcontractors?				
9. Project site safe practices ("Standing Orders") posted?				
10. Project staff have 40-hr./8-hr./Supervisor HAZWOPER training?				
11. Project staff medically cleared to work in hazardous waste sites and fit-tested to wear respirators, if needed?				
12. Respiratory protection readily available?				
13. Health & Safety Incident Report forms available?				
14. Air monitoring instruments calibrated daily and results recorded on the Daily Instrument Calibration check sheet?				
15. Air monitoring readings recorded on the air monitoring data sheet/field log book?				
16. Subcontract workers have received 40-hr./8-hr./Spvsr. HAZWOPER training, as appropriate?				
17. Subcontract workers medically cleared to work on site, and fit-tested for respirator wear?				
18. Subcontract workers have respirators readily available?				
19. Markouts of underground utilities done prior to initiating any subsurface activities?				
20. Decontamination procedures being followed as outlined in HASP?				
21. Are tools in good condition and properly used?				
22. Drilling performed in areas free from underground objects including utilities?				
23. Adequate size/type fire extinguisher supplied?				
24. Equipment at least 20 feet from overhead powerlines?				
25. Evidence that drilling operator is responsible for the safety of his rig.				
26. Trench sides shored, layed back, or boxed?				
27. Underground utilities located and authorities contacted before digging?				

28. Ladders in trench (25-foot spacing)?				
29. Excavated material placed more than 2 feet away from excavation edge?				
30. Public protected from exposure to open excavation?				
31. People entering the excavation regarding it as a permit-required confined space and following appropriate procedures?				
32. Confined space entry permit is completed and posted?				
33. All persons knowledgable about the conditions and characteristics of the confined space?				
34. All persons engaged in confined space operations have been trained in safe entry and rescue (non-entry)?				
35. Full body harnesses, lifelines, and hoisting apparatus available for rescue needs?				
36. Attendant and/or supervisor certified in basic first aid and CPR?				
37. Confined space atmosphere checked before entry and continuously while the work is going on?				
38. Results of confined space atmosphere testing recorded?				
39. Evidence of coordination with off-site rescue services to perform entry rescue, if needed?				
40. Are extension cords rated for this work being used and are they properly maintained?				
41. Are GFCIs provided and being used?				

Unsafe acts observed? _____

_____

_____

_____

Additional remarks _____

_____

_____

_____

Distribution: Project Manager (for information and follow-up) Name: _____
Health & Safety Officer (for corrective action) Name: _____
Health & Safety Coordinator (resource for corrective action and follow-up)

APPENDIX E

SITE SAFETY MEETING FORM

SAFETY BRIEFING

Date: _____Time: _____Leader: _____Location: _____

Work Task: _____

SAFETY TOPICS (*provide some detail of discussion points*)

Chemical Exposure Hazards and Control _____

Physical Hazards and Control _____

Air Monitoring _____

PPE _____

Communications _____

Safe Work Practices _____

Emergency Response _____

Hospital/Medical Center Location _____

Phone Nos. _____

Other _____

FOR FOLLOW-UP (the issues, responsibilities, due dates, etc.**)**

_____

_____

_____

ATTENDEES

PRINT NAME	COMPANY	SIGNATURE

Briefing Conducted By: _____

APPENDIX F

DECONTAMINATION PROCEDURES

PERSONNEL DECONTAMINATION

LEVEL A DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and fully-encapsulating suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Tank Change	4. If worker leaves Exclusion Zone to change air tank, this is the last step in the decontamination procedure. Worker's air tank is exchanged, new outer gloves and boot covers donned, joints taped, and worker returns to duty.
Station 5:	Boot, Gloves and Outer Garment Removal	5. Boots, fully-encapsulating suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 6:	SCBA Removal	6. SCBA backpack and facepiece is removed (avoid touching face with fingers). SCBA deposited on plastic sheets.
Station 7:	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

LEVEL B DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Tank Change	4. If worker leaves Exclusion Zone to change air tank, this is the last step in the decontamination procedure. Worker's air tank is exchanged, new outer gloves and boot covers donned, joints taped, and worker returns to duty.
Station 5:	Boot, Gloves and Outer Garment Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 6:	SCBA Removal	6. SCBA backpack and facepiece is removed (avoid touching face with fingers). SCBA deposited on plastic sheets.
Station 7:	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

LEVEL C DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Canister or Mask Change	4. If worker leaves Exclusion Zone to change canister (or mask), this is the last step in the decontamination procedure. Worker's canister is exchanged, new outer gloves and boot covers donned, joints taped, and worker returns to duty.
Station 5:	Boot, Gloves and Outer Garment Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 6:	Facepiece Removal	6. Facepiece is removed (avoid touching face with fingers). Facepiece deposited on plastic sheets.
Station 7:	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

LEVEL D DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Boot, Gloves and Outer Garment Removal	4. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 5:	Field Wash	5. Hands and face are thoroughly washed. Shower as soon as possible.

EQUIPMENT DECONTAMINATION

GENERAL:

Equipment to be decontaminated during the project may include tools, monitoring equipment, respirators, sampling containers, laboratory equipment and drilling equipment.

All decontamination will be done by personnel in protective gear, appropriate for the level of decontamination, as determined by the site HSO. The decontamination work tasks will be split or rotated among support and work crews.

Depending on site conditions, backhoe and pumps may be decontaminated over a portable decontamination pad to contain wash water; or, wash water may be allowed to run off into a storm sewer system. Equipment needed may include a steam generator with high-pressure water, empty drums, screens, screen support structures, and shovels. Drums will be used to hold contaminated wash water pumped from the lined pit. These drums will be labeled as such.

Miscellaneous tools and equipment will be dropped into a plastic pail, tub, or other container. They will be brushed off and rinsed with a detergent solution, and finally rinsed with clean water.

MONITORING EQUIPMENT:

Monitoring equipment will be protected as much as possible from contamination by draping, masking, or otherwise covering as much of the instruments as possible with plastic without hindering the operation of the unit. The HNu or OVA meter, for example, can be placed in a clear plastic bag, which allows reading of the scale and operation of knobs. The probes can be partially wrapped keeping the sensor tip and discharge port clear.

The contaminated equipment will be taken from the drop area and the protective coverings removed and disposed in the appropriate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe.

RESPIRATORS:

Respirators will be cleaned and disinfected after every use. Taken from the drop area, the masks (with the cartridges removed and disposed of with other used disposable gear) will be immersed in a cleaning solution and scrubbed gently with a soft brush, followed by a rinse in plain warm water, and then allowed to air dry. In the morning, new cartridges will be installed. Personnel will inspect their own masks for serviceability prior to donning them. And, once the mask is on, the wearer will check the respirator for leakage using the negative and positive pressure fit check techniques.

APPENDIX B

PREVIOUS ENVIRONMENTAL REPORTS

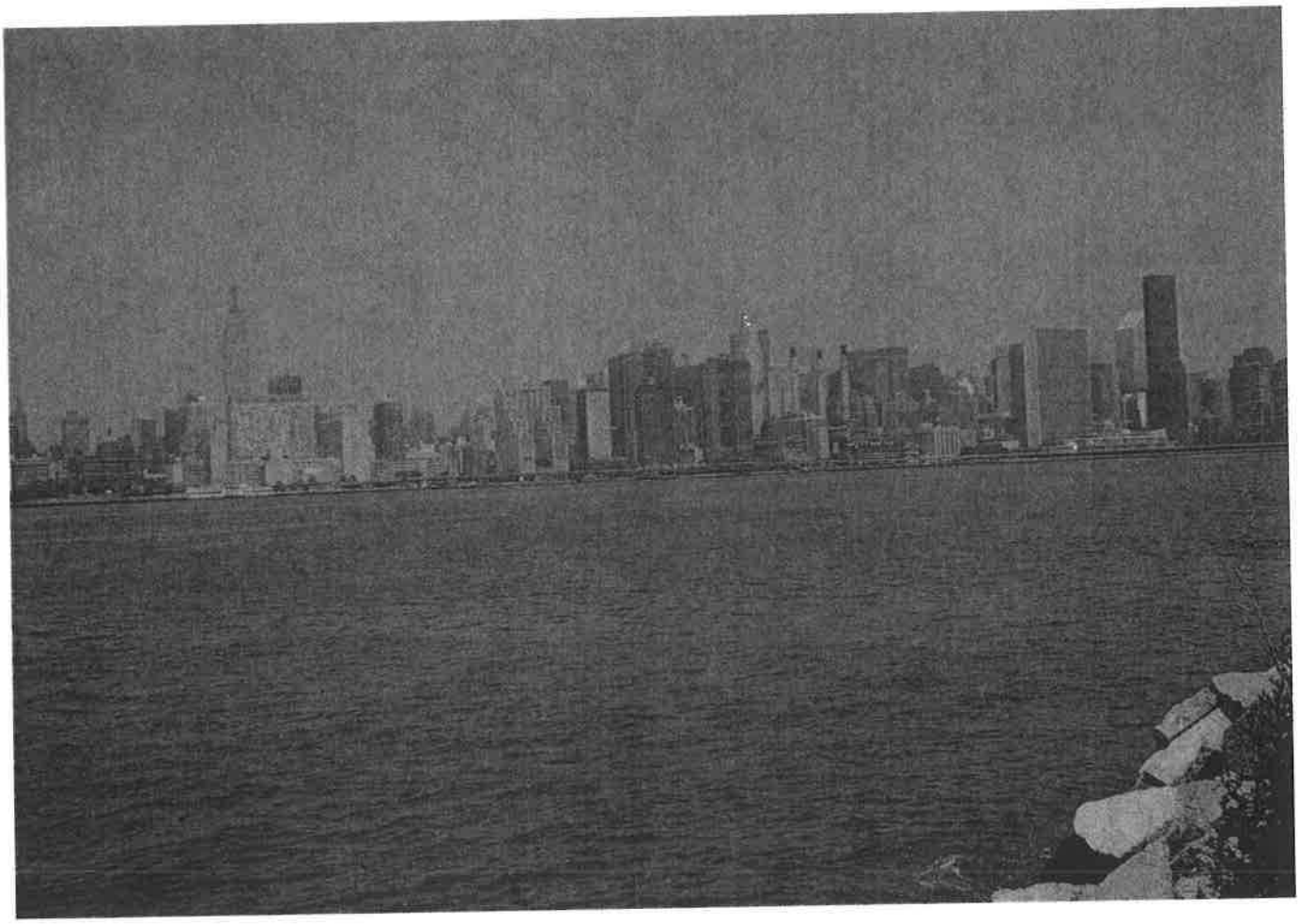
Phase I Environmental Site Assessment Report - Greenpoint Lumber Yard, Brooklyn New York, July 2001, prepared by AKRF, Inc.

Greenpoint Lumber Yard

Brooklyn, New York

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Project Number: 30260-0001



Prepared for:

Park Tower Realty Corporation
499 Park Avenue
New York, New York 10022

Prepared by:

AKRF, Inc.
117 East 29th Street
New York, NY 10016-8022
(212) 696-0670

July 2001

EXECUTIVE SUMMARY

AKRF, Inc. was retained by Park Tower Realty Corporation to perform an Environmental Site Assessment of the approximately 21-acre former lumber yard located along West and Commercial Streets in the Greenpoint neighborhood of Brooklyn, New York (See Figure 1). The objective of this assessment is to identify any potential environmental concerns associated with the site resulting from past or current usage of the site as well as similar usage of neighboring properties. The site is currently used primarily for the storage and transfer of heavy equipment, trucks, contractor's materials and lumber. Twelve tenants currently occupy the site. The subject blocks are generally bounded to the north by Newtown Creek; to the east by portions of Commercial Street, Franklin Street and West Street; to the south by Huron Street; and to the west by the East River. The surrounding neighborhood is predominantly mixed-use residential and industrial in nature.

This assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, this practice are described in Section 6.0 of this report.

The regulatory databases, Fire Department records, historical land-use atlases, and the visual site inspection indicate that the subject property has over a 100-year history of industrial use related primarily to the lumber and coal industries. Lumber Exchange Terminal, Inc, the current owner of the property, reportedly assembled the property in the 1930s, 1940s and 1950s. The owner began to phase out lumber yard operations in the 1980's when he began leasing portions of the property to industrial tenants, mainly for use as contractor's storage yards. Currently, only a small portion of the property remains occupied by Lumber Exchange Terminal, Inc. For the purpose of clarity, each Tax Block will be discussed individually (See Figure 2), and then potential environmental impairments located outside of the subject property will be discussed.

- **Tax Block 2520, Lot 57** - This portion of the property was historically occupied by a portion of the New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (also located on Block 2510); it was used for logwood, wagon and pattern storage. This Lot was also occupied by a portion of the New York Quebracho Extract Company ca. 1916 (also located on Block 2510); it contained a cooperage and a wagon house. Quebracho is a natural bark extract, rich in tannins, which is used to treat leather. Although quebracho is an organic substance, the process used to extract it may have involved the use or generation of hazardous materials or wastes. However, it appears this portion of the business was used more for storage than for manufacturing. Block 2520, Lot 57 was occupied by Lumber Exchange Terminal Inc. prior to 1942 through the present (Area 1 - Areas are shown in Figure 2). Other tenants currently occupying the Lot include Acquisitions Investment, Inc. (Area 2 - used for bus parking and minor repair) and Trochom Construction Corporation (a portion of Area 3 - used for auto parking and contractor's materials storage). This portion of the property currently contains a two-story brick office building (which

first appeared on Sanborn Maps in 1887), a large corrugated metal garage (which first appeared on Sanborn Maps in 1965), and a small guard shed near the Green Street entrance. Surface staining was observed in Areas 1, 2, and 3. 20- and 30-cubic yard waste containers were observed in Areas 2 and 3, respectively.

Suspect asbestos-containing materials, including boiler insulation, pipe insulation, spray-on fire proofing, floor and ceiling tiles were observed in the two-story brick building during site inspection. The roof was inaccessible at the time of inspection, however, due to the age of the structure, it can be assumed to contain asbestos. This structure was reportedly heated by fuel oil located in one 550-gallon tank enclosed behind a brick wall near the boiler room. In addition, one fuel pump was observed outside of the two-story brick building, which was reportedly serviced by two 550-gallon underground gasoline tanks. New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing an underground gasoline tank located at the northwest corner of a two-story brick building, a 1938 Permit to install one 550-gallon underground gasoline tank and one fuel pump and a 1957 record showing one 550-gallon fuel oil tank within a two-story building. A search of computerized Fire Department records did not locate any heating or motor fuel oil records for the property.

The small guard shed may contain asbestos-containing and/or lead paint-containing materials, though none were observed during site inspection.

The eastern portion of the garage building was used primarily to store fork lifts and old car parts; the western portion of the garage was primarily used for the storage of car batteries, tires and tools. The area was illuminated with new-looking pole mounted fluorescent lights, however, old, ceiling mounted fluorescent lights (potentially with PCB-containing ballasts) were observed throughout the structure. One 275-gallon aboveground storage tank of hydraulic oil, one 275-gallon aboveground storage tank of motor oil and over twenty 55-gallon drums and several 5-gallon drums of petroleum products were observed in the eastern portion of the structure; several 55-gallon drums of lube oil and antifreeze and two oxygen and acetylene tanks were observed in the western portion. AKRF personnel were informed that auto and fork lift repair occurred in the areas directly east and west of the garage building. Severe surface staining and several 55-gallon drums of petroleum products were observed in these areas.

The fuel oil, gasoline, hydraulic oil and motor oil tanks; the 55- and 5-gallon containers of petroleum products; and the Block's current usage for auto repair could have contributed to petroleum contamination in soil and/or groundwater. The Block's former usage as a dye and chemical factory, as a quebracho extract company and as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site. Asbestos-containing and/or lead paint containing building materials could be present in the two-story brick office building and/or in the corrugated metal garage on the Block. Finally, mercury-containing fluorescent lights and/or PBC-containing ballasts could be present in lighting fixtures in on-site structures.

- **Tax Block 2510** - This portion of the property was historically occupied by a portion of the New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (also located on Block 2520, Lot 57); it contained a large logwood storage shed, a small oil storage shed, an area with 15 wooden dye tanks, a large tank house, and storage, cutting and manufacturing buildings. This Lot was also occupied by a portion of the New York Quebracho Extract Company ca. 1916 (also located on Block 2510); it contained several storage sheds and industrial buildings, a large tank room and two areas with dye wood tanks and logwood tanks. This portion of the business appeared to have been used both for manufacturing and for storage. Block 2510 was occupied by Lumber Exchange Terminal Inc. prior to 1942 through 1989. Tenants currently occupying the Block include Trochom Construction Corporation (a portion of Area 3 - used for contractor's materials storage), Bay Crane Services, Inc., (Area 4 - used for storage of cranes and other large construction vehicles), Safway Steel Products, Inc./ Spring Scaffolding (a portion of Area 6 - used for storage of scaffolding materials) and Hylan Electrical Contracting, Inc. (Area 7 - used for storage of materials used to install fiber optic cabling). 55-gallon drums of water-based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed in Area 3. Surface staining was also observed in Area 3. Generators, several fork lifts and 55-gallon drums of fiber optic cable lubricator were observed in Area 6. 20- and 30-cubic yard waste containers were observed in Areas 3 and 6, respectively.

  The 55- and 5-gallon containers of chemicals and petroleum products and the Block's former usage as a dye and chemical factory, as a quebracho extract company and as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site.

- **Tax Block 2502** - This portion of the property was historically occupied by A.K. Meserole & Company (a mason material and coal storage yard) and a portion of C. Winant's Spar Company ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard and a two-story lumber shed belonging to P.M. Dingee & Sons ca. 1905; Export Auto Case Company and vacant land ca. 1916; vacant land ca. 1942; and the Lumber Exchange Terminal, Inc. ca. 1951 through ca. 2000. Tenants currently occupying the Block include Trochom Construction Corporation (a portion of Area 3 - used for contractor's materials storage), River Hauling, Inc. (a portion of Area 5 - used for temporary storage and transport of large items), Safway Steel Products, Inc. (a portion of Area 6 - used for storage of scaffolding materials) and Far Better Towing, Inc. / R-D Towing Corporation (Area 8 - used for the storage of repossessed automobiles). 55-gallon drums of water-based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed in Area 3. Surface staining was observed in Areas 3 and 5. Pony generators, several fork lifts and 55-gallon drums of fiber optic cable lubricator were observed in Area 6. 20- and 30-cubic yard waste containers were observed in Areas 3 and 6.

  The 55-gallon containers of chemicals and petroleum products currently on-site and the Block's former usage as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Tax Block 2472, Lots 2, 32, 100, 410 and 425** - Block 2472 was historically occupied by a portion of C. Winant's Spar Company and Church and Reeves Lumber Yard ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard, the Bergen & Company Lumber Yard and the O'Rourke Engineering Construction Company ca. 1905; the Bergen & Company Lumber Yard, a portion of the New York State Barge Canal Terminal; a portion of Alberene Stone Company Tub Storage and vacant land ca. 1916; the New York State Canal Terminal, Greenpoint Coal Docks, Inc. and vacant land ca. 1942 through ca. 1951; and the Lumber Exchange Terminal, Inc. ca. 1965 through ca. 2000. Sanborn Maps from the year 2000 indicated Block 2472 to also contain Two Guys Towing and Auto Repair and a parking lot. Current tenants include Far Better Towing, Inc. / R-D Towing Corporation (a portion of Area 8 - used to park repossessed automobiles), Lumber Exchange Terminal, Inc. (a portion of Area 1 - used to store lumber), River Hauling, Inc. (a portion of Area 5 - used for temporary storage and transport of large items), New York City Housing Authority (Area 9 - used to park cars and store materials), Henkles & McCoy (Area 10 - used to park cars and store contractor's materials), Supreme Trucking (Area 11 - used for parking and minor repair large cargo trucks and for the staging of large items), MWK Transport, Inc./SJK Transport (Area 12 - used for truck parking and the storage of materials), and Spring Scaffolding (Area 13 - used to store scaffolding materials). Several fork lifts, 55-gallon drums of hydraulic oil, a 20-cubic yard waste container and surface staining in several areas were observed in this portion of Area 5. It was reported that minor auto repairs, truck washing and tire changes were performed in Area 11. Several 55-gallon drums of lube oil were observed in Area 11. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988. It is unknown whether these potential tanks were located aboveground or underground.

  The 55-gallon containers of petroleum products currently on-site, the potential storage tanks on-site, the Block's former usage as a lumber yard (if pressure treatment occurred on-site), and the Block's current use for auto repair could have contributed to petroleum and/or hazardous materials contamination on-site. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Block 2494, Lot 1** - Block 2494, Lot 1 was historically occupied by dwellings and stores ca. 1887 through ca. 1905; a garage and repair shop with a tank house and an underground storage tank ca. 1916; vacant land ca. 1951; and the Lumber Exchange Terminal ca. 1965 through 2000. Far Better Towing, Inc. / R-D Towing Corporation is the current occupant of the Lot (a portion of Area 8 - used to repair, park and auction seized vehicles). A trailer office and a one-story brick auto-repair shop were observed near the entrance to Area 8 (at the intersection of Franklin and Dupont Streets). The one-story building contained brick walls, concrete floors and a wood ceiling. The roof was not inspected, but can be assumed to contain asbestos. One 55-gallon drum of diesel fuel was observed in this building and three more were observed outside of the building. An employee of Far Better Towing, Inc. informed AKRF personnel that oil and tires are changed and minor repairs occur. No vehicles were reportedly fueled on the property. Piles of trash, tires, car parts, a

tank of carbon dioxide gas and one 275-gallon abandoned aboveground storage tank were observed surrounding the trailer and the one-story structure.

The 55-gallon containers of petroleum products currently on-site, the current and former auto-repair operation, the underground gasoline storage tank identified on the property, the hydraulic lift system identified on-site and the former usage as a lumber yard (if pressure treatment occurred on-site) could have contributed to petroleum and/or hazardous materials contamination on-site. Asbestos-containing and/or lead paint containing materials could be present in the one-story auto repair shop. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Environmental Conditions Located Outside of the Subject Property -** In the New York State Resource Conservation and Recovery Act (RCRA) database, one Treatment, Storage, and Disposal facilities was identified within a one-mile radius of the subject area and ten RCRA generators were listed within a one-eighth mile radius of the project site. Several of these industrial facilities with known generation of hazardous wastes (including halogenated solvents) are located up-gradient with respect to groundwater to the subject property. Several facilities have Class One RCRA violations, indicating releases may have occurred. Groundwater quality may have been impaired by these operations.

RECOMMENDATIONS:

- AKRF recommends a Phase II Subsurface Site Investigation to determine the presence and possible extent of underground storage tanks as well as petroleum and/or hazardous materials contamination in on site soil and groundwater;

- AKRF recommends any identifies tanks be properly registered, if required, with the New York State Department of Environmental Conservation and the New York City Fire Department. Prior to any renovation or demolition activities with the potential to disturb known tanks, they should be property assessed, closed and removed from the property in accordance with all federal, state and local regulations;

- Prior to any renovation or demolition activities with the potential to disturb suspect asbestos containing materials, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all sate and federal regulations;

- Any renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 - Lead Exposure in Construction). Current New York State Department of Environmental Conservation guidance permits the disposal of construction materials covered with lead-based paint as demolition debris within an approved landfill; and

- The suspect mercury-containing fluorescent lights and suspect PCB-containing lighting fixtures do not currently present a potential hazard to human health. Unless there is labeling or test data to indicate they are not mercury- and/or PCB-containing, if disposal is required, it should be in accordance with applicable federal, state, and local regulations and guidelines.

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FIGURES

Figure 1 Project Site Location
Figure 2 Project Site Map

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Appendix A Photographic Documentation
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1.0 INTRODUCTION

AKRF, Inc. was retained by Park Tower Realty Corporation to perform an Environmental Site Assessment of the approximately 21-acre former lumber yard located at 171 West Street in the Greenpoint neighborhood of Brooklyn, New York. (Please see Figure 1 for a map of the area.) The legal definition of the subject property is Tax Block 2472, Lots 2, 32, 100, 410 and 425; Tax Block 2494, Lot 1; Tax Block 2502, Lot 1; Tax Block 2510, Lot 1; and Tax Block 2520, Lot 57, as shown in Figure 2. The subject blocks are generally bounded to the north by Newtown Creek; to the east by portions of Commercial Street, Franklin Street and West Street; to the south by Huron Street; and to the west by the East River. The site is currently used primarily for the storage and transfer of heavy equipment, trucks, contractor's materials and lumber. Twelve tenants currently occupy the site (see Figure 2).

The scope of services for this assessment included the following:

- Visual observations of the project site and surrounding property were made to identify potential sources or indications of chemical contamination. The potential sources of contamination included, but were not limited to, underground storage tanks (USTs), aboveground storage tanks (ASTs), objects that could potentially contain polychlorinated biphenyls (PCBs), and areas where hazardous materials were used, stored, treated, generated and/or disposed. Indications of chemical contamination include stained surfaces and chemical odors.

  In addition, readily observable portions of the properties immediately adjacent to the site were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination.
- Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.
- A visual inspection of the property was conducted to identify and evaluate the condition of any suspect asbestos-containing building materials (ACMs).
- The property was evaluated for the potential presence of lead-based paint, and the condition of painted surfaces was assessed.
- A review of radon concentrations in Kings County (Brooklyn) was conducted to determine if radon levels in the general area complied with United States Environmental Protection Agency (US EPA) guidelines.
- Historical land-use atlases for the site and adjacent properties were reviewed to evaluate previous land use.
- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); and the US EPA Civil Enforcement Docket. The federal listing of facilities that are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: the listings of hazardous material spills (SPILLS), Resource Conservation and Recovery Act Notifiers (RCRA), Chemical Bulk Storage (CBS), Solid Waste Facilities (SWF), Petroleum Bulk Storage (PBS), State Inactive Hazardous Waste Disposal Sites (SHWS), Major Oil Storage Facilities (MOSF), and Air Discharge Facilities (ADF).
- A review of available local Fire Department and Buildings Department records was conducted to obtain any information pertinent to the assessment of the environmental condition of the subject property. Specifically, records regarding past and present on-site fuel oil tanks and historical uses were requested and reviewed.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on June 28, 2001 by Mimi Sotiriou of AKRF, accompanied by John Doyle and Ramon Quintero of Lumber Exchange Terminal, Inc. The inspection was conducted at 10:00 AM. At the time of the inspection, the weather was clear, the visibility was good, and the premises were adequately illuminated. The site was inspected for the presence of stained surfaces and soils, stressed vegetation, storage tanks, drums, leaking pipes, transformers, suspect asbestos-containing materials, suspect lead-containing paint, or any other evidence of hazardous material usage and storage on-site. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The project site consisted of an approximately 20-acre parcel of land, used primarily for the storage and transfer of heavy equipment, trucks, contractor's materials and lumber. Twelve tenants currently occupy the site (see Figure 2 for approximate tenant location). Partial fences partitioned the tenants apart on the property. The majority of the site consisted of a flat, asphalt-paved lot. Only three structures were noted on the property: a two-story brick office building and a corrugated metal garage located in Area 1 and a small one-story brick auto repair shop located in Area 8. Each tenant area will be described separately below:

***Area 1:* Lumber Exchange Terminal, Inc.**

The portion of Area 1 that is located at the intersection of Green Street and West Street contained one two-story brick and concrete office building and one large corrugated metal garage on an asphalt-paved area. The office and the garage were used by both the Lumber Exchange Terminal, Inc. and by Acquisitions Investments, Inc. to a lesser extent.

The two-story office building was reportedly built as a barn. The building is currently used primarily for office use; however, a tool room and a storage room were located in the western portion of the first floor of the building. The floors of the building consisted of concrete, wood, ceramic (bathrooms) or several colors of 9" and 12" suspect asbestos-containing vinyl floor tiles. The walls of the building consisted of brick, concrete, plaster, wood and 1'x1' ceiling tile. The ceilings of the structure consisted of wood, concrete, plaster, and suspect asbestos-containing 1'x1' and 2'x4' suspended ceiling tiles. The ceiling of the garage room was sprayed with suspect asbestos-containing fire proofing material. The roof of the building was inaccessible at the time of inspection. Mr. Doyle informed AKRF personnel that no roof replacement activities, only patching, had been performed to his knowledge.

The two-story building was cooled with window-mounted air conditioning units. It was heated with oil-heated hot water. A boiler room was located in the western portion of the first floor. This room contained a domestic hot water heater and a boiler covered with suspect asbestos-containing insulation. Some pipes in this area were also covered with suspect asbestos-containing thermal insulation and other were un-insulated. One 550-gallon fuel oil tank was reportedly located in a concrete and brick enclosed wall adjacent to the boiler room.

The garage had a concrete floor and corrugated metal walls and roof. The area was illuminated with new-looking pole mounted fluorescent lights, however, old, ceiling mounted fluorescent lights (potentially with PCB-containing ballasts) were observed throughout the structure.

Lumber Exchange Terminal, Inc. occupied the eastern portion and Acquisitions Investments, Inc. occupied the western portion. The eastern portion of the garage was used primarily to store fork lifts and old car parts. One 275-gallon aboveground storage tank of hydraulic oil and one 275-gallon aboveground storage tank of motor oil were observed against the eastern wall of the structure. Additionally, over twenty 55-gallon drums and several 5-gallon drums of petroleum products were observed in the eastern portion of the garage. Mr. Quintero informed AKRF personnel that no auto repair is performed by Lumber Exchange Terminal, Inc. in this portion of the garage; it is performed in the paved area between the garage and the two-story office building.

The western portion of the garage was primarily used for the storage of car batteries, tires and tools. Several 55-gallon drums of lube oil and antifreeze and two oxygen and acetylene tanks were observed in this area. Mr. Quintero informed AKRF that no bus repair is performed in this portion of the garage; it is performed in Area 2 of the site, where double-decker buses are parked.

The remainder of Area 1 consisted of an asphalt paved area. One fuel pump was located directly east-adjacent to the two-story structure. Two 550-gallon underground gasoline tanks are reportedly connected to this pump. Several machines and old generators were located to the east of the garage building on the paved area. Severe surface staining was observed on the asphalt located between the two-story building and the garage. Several 55-gallon drums of unknown materials were located in this area.

A small guard shack was observed at the entrance to the property, on green street. This structure was constructed of concrete and brick, with plywood and plaster interior walls, ceilings and floors.

The portion of Area 1 located at the intersection of Commercial and Dupont Streets consisted of an asphalt-paved area with large piles of neatly-stacked lumber. Surface staining was observed in the area.

***Area 2* - Acquisitions Investments, Inc.**

Area 2 was used for double-decker tour bus parking. More than ten double-decker buses were observed parked on the asphalt-paved lot. One 20-yard waste container was also observed. Mr. Quintero informed AKRF personnel that no fuel tanks exist in this area; the buses are fueled by a fuel truck. Minor bus repair, however, was reportedly performed in this area; stained surfaces were observed.

***Area 3* - Trochom Construction Corp.**

Trochom Construction Corp used Area 3 for the storage of materials used to repair streets. The portion of Area 3 located north of Area 2 consists of an asphalt-paved parking area. Several cars and contractor's materials were stored in this area. A small wooden shack, formerly used by longshoremen, was located in this area.

The portion of Area 3 located south of Area 6 consisted of a paved, flat area. Surface staining was observed in several areas. One stream roller, one street cleaner, pipes, steel mesh, traffic lights and other street-related materials were stored in this area. 55-gallon drums of water based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed stored in this area. One thirty cubic yard container of wood waste was located in this portion of Area 3.

***Area 4* - Bay Crane Service, Inc.**

Area 4 was used for the storage of large cranes and other large construction equipment. The area consisted of a paved lot.

***Area 5* - River Hauling, Inc.**

River Hauling, Inc. arranges for the temporary storage and transport of very large items, including new storage tanks, heating, ventilation and air conditioning (HVAC) equipment, and computer equipment. The portion of Area 5 located north of Area 4 consisted of a flat paved lot. This portion of Area 5 was used to store HVAC equipment. The portion of Area 5 located east of Area 12 consisted of a paved lot. Surface staining was observed in several locations. This area was used for truck parking and to store HVAC units, lumber, computer equipment, metal storage cubes, computer equipment and storage tanks. Several fork lifts and 55-gallon drums of transformer fluid were observed in this portion of Area 5. Three large trailer offices were located on the property. A 20-cubic yard waste container was also located in this area.

***Area 6* - Safway Steel Products, Inc.**

Safway Steel Products, Inc. and Spring Scaffolding used Area 6 to store materials used to construct scaffolding, including steel poles and corrugated metal sheets. A trailer office, a corrugated metal shed, fork lifts, and one 20-cubic yard water container filled with household debris, wood and scaffolding netting were observed in Area 6. Area 6 was paved with asphalt.

***Area 7* - Hylan Electrical Contracting, Inc.**

Hylan Electrical Contracting, Inc. installs cable and computer fiber optic cabling. Area 7, a paved lot, was used to store large spools of cable, pony generators, trucks, 55-gallon drums of fiber optic cable lubricator, and metal storage cubes. Several fork lifts were observed in Area 7.

***Area 8* - Far Better Towing, Inc. and R-D Towing Corp.**

Far Better Towing, Inc. and R-D Towing Corp. tow and impound cars and hold car auctions. The paved lot was filled with parked cars. A trailer office and a one-story brick auto-repair shop were observed near the entrance to Area 8 (at the intersection of Franklin and Dupont Streets). The one-story building contained brick walls, concrete floors and a wood ceiling. The roof was not inspected. The structure contained one hydraulic car lift system, tools, tires, and car parts. One 55-gallon drum of diesel fuel was observed in this building and three more were observed outside of the building. An employee of Far Better Towing, Inc. informed AKRF personnel that oil and tires are changed and minor repairs occur on-site. No vehicles were reportedly fueled on the property. Piles of trash, tires, car parts, a tank of carbon dioxide gas and one 275-gallon abandoned aboveground storage tank were observed surrounding the trailer and the one-story structure.

***Area 9* - New York City Housing Authority**

Area 9 was inaccessible at the time of inspection. An eight-foot high chain link fence with a locking gate bounded the property on all sides. From a public sidewalk, AKRF personnel observed several metal storage cubes, a trailer office, and trucks and cars parked on a paved lot.

***Area 10* - Henkels & McCoy, Inc.**

Henkles & McCoy, Inc. are construction contractors. The paved lot was nearly empty, except for cars, one front end loader, several pipes and a two cubic yard waste container.

***Area 11* - Supreme Trucking, Inc.**

Supreme Trucking, Inc. arranges for the transport of large items. Several large closed cargo truck and cabs and two fork lifts were parked in this area. An employee of Supreme Trucking, Inc. informed AKRF personnel that minor auto repair, truck washing and tire changes were performed on the property. Several 55-gallon drums of lube oil were observed on Area 11.

***Area 12* - MWK Transport, Inc. / SJK Transport**

MWK Transport, Inc./SJK Transport arranges for the transport of large items. Area 12 was inaccessible at the time of inspection. An eight-foot high chain link fence with a locking gate bounded the property on all sides. From a public sidewalk, AKRF personnel observed one metal storage cube and several trucks and cars parked on a paved lot.

***Area 13* - Spring Scaffolding**

Spring Scaffolding is the tenant of Area 5, however, they only use the area to store scaffolding materials when they are conducting high volumes of business. At the time of inspection, this area appeared to be being used by River Hauling for the storage of large items.

2.2 Topography and Hydrogeology

The surface topography slopes down to the north towards Newtown Creek and to the west towards the East River. Based on reports compiled by the U.S. Geological Survey, the property lies at an elevations ranging from approximately five to fifteen feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). The approximate depth to bedrock is 50 feet below the surface, with groundwater most likely situated approximately five to fifteen feet below the surface. Groundwater most likely flows in a northerly direction toward Newtown Creek and/or in a westerly direction towards the East River. However, actual groundwater flow at the site can be affected by many factors, including past filling activities, underground utilities and other subsurface openings, tidal fluctuations, and other factors beyond the scope of this study. Groundwater in Brooklyn is not used as a source of potable water.

2.3 Storage Tanks

2.3.1 Underground Storage Tanks (USTs)

During site inspection, one fuel pump was observed outside of the two-story office building in Area 1. Two 550-gallon gasoline tanks were reportedly associated with this pump. New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing a gasoline tank located at the northwest corner of a two-story brick building, a 1938 Permit to install one 550-gallon gasoline tank and one fuel pump, and a 1957 record showing one 550-gallon fuel oil tank within a two-story building. Gasoline tanks are almost always required to be installed underground. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988. It is unknown whether these potential tanks were located aboveground or underground.

Off-site USTs are discussed in Sections 4.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

One 550-gallon fuel oil tank was reportedly located behind a brick and concrete wall adjacent to the boiler room in the two-story office building in Area 1. One 275-gallon aboveground storage tank of hydraulic oil and one 275-gallon aboveground storage tank of motor oil were observed against the eastern wall of the corrugated metal garage structure in Area 1. An abandoned 275-gallon aboveground storage tank was observed behind an office trailer in Area 8. The tenant of Area 5 arranges for the transport of storage tanks; several new storage tanks were observed in this area.

New York City Buildings Department Block and Lot records for Block 2492, Lot 1 included a record showing one 550-gallon fuel oil tank within a two-story building. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988. It is unknown whether these potential tanks were located aboveground or underground.

2.4 Polychlorinated Biphenyls (PCBs)

Prior to 1979, PCBs were widely used for their cooling properties in electrical equipment such as transformers, capacitors, switches, and voltage regulators. No known transformers are currently located on-site.

Transformers were observed in Areas 1 and 7. Hydraulic oil associated with fork lifts (observed in many Areas of the property) would not be expected to contain PCBs. Fluorescent lighting fixtures observed in the corrugated metal garage in Area 1 may include PCB-containing components, including capacitors and potting compounds. There was no observed evidence of leaks or stains from these lighting fixtures and they do not currently present a potential hazard to building occupants.

2.5 Asbestos-Containing Materials (ACMs)

The United States Occupational Safety and Health Administration (OSHA) has amended Part 1910 to Title 29 of the Code of Federal Regulations which addresses occupational exposure to asbestos. The final rule, applicable to general industry (29 CFR 1910.1001), construction (29 CFR 1926.1101, previously 1926.58), and the shipyard industry (29 CFR 1915.1001) became effective on October 1, 1995. All thermal systems insulation; sprayed-on, troweled-on or otherwise applied surfacing materials (including decorative plaster, acoustical materials, and fireproofing); asphalt; and vinyl flooring materials in buildings constructed prior to 1981 are presumed to contain asbestos unless proven otherwise.

The regulation requires owners of buildings to inform housekeeping, custodial and maintenance workers of the presence, location, and quantity of confirmed or presumed asbestos that they may come into contact with or disturb in the course of their work activities. These employees and/or employers of employees must receive asbestos awareness training each year at no expense to them. Building owners must provide appropriate warning signs and labels, as defined specifically in the regulation, and meet certain requirements on the care of these surfaces (such as resilient floor coverings). An Operations and Maintenance Plan is recommended for buildings built prior to 1981 that have not been proven to be free of asbestos. Building owners must

maintain records concerning the presence, location, and quantity of known or suspected ACMs for the duration of ownership and transfer these records to successive owners.

Mimi Sotiriou, a New York State licensed asbestos inspector, conducted a limited visual inspection for potential asbestos-containing materials in the accessible areas on-site. Asbestos is typically found in the form of friable or non-friable materials. Friable materials are those which can be crushed or reduced to a powder by hand pressure and, as such, are associated with a higher risk of producing potentially hazardous dust. Conversely, non-friable materials (such as older vinyl floor tiles or built-up roofing materials) do not typically produce significant amounts of asbestos dust while intact. As such, non-friable materials do not constitute a threat to health and may remain in place unless they will be disturbed by renovation activities.

Suspect asbestos-containing materials were observed in the two-story office building in Area 1 during site inspection. Thermal pipe insulation and boiler insulation were observed in the boiler room. Spray-on fire proofing was observed on the ceiling of the storage room. Several colors of 9" and 12" vinyl floor tiles and 1'x1' and 2'x4' ceiling tiles were also observed. The roof of this structure was not accessible at the time of inspection, however, Mr. Doyle was unaware of any roof replacement activities, only patching activities.

No suspect asbestos-containing materials were observed during site inspection in the corrugated metal garage or in the small guard shed in Area 1. No suspect asbestos-containing materials were observed in the one-story brick auto repair shop in Area 8 during site inspection. The roofs of these buildings were not accessible at the time of inspection. It should be noted that older flat roofs composed of tar paper materials are typically constructed of multiple layers, some of which may consist of asbestos- containing materials.

2.6 Lead Paint

The use of lead paint in commercial structures was severely restricted by the Consumer Products Safety Commission in 1977. Since the current two-story brick office building on Area 1 was reportedly completed prior to 1887 and the current corrugated metal garage also on Area 1 was reportedly completed prior to 1965, lead-based paint may be present in the buildings. It is unknown when the one-story guard building in Area 1 and the one-story auto repair building in Area 8 were constructed; it will be assumed that it was prior to 1977. Lead paint is potentially hazardous when in a deteriorating condition (i.e., chipped, broken, crumbling, pulverized); lead is potentially harmful to humans, particularly children, if ingested, inhaled, or otherwise absorbed.

Painted surfaces observed in the two-story brick office building, the corrugated metal garage and the small guard shed located in Area 1 and small one-story brick auto repair shop located in Area 8 were in good condition.

2.7 Utilities

Keyspan and Consolidated Edison provides natural gas and electricity, respectively, to the three on-site structures. Municipal water and sewage services are provided to the property.

2.8 Waste Management and Chemical Handling

Any wastes produced by tenants are collected and removed from the property by private haulers. 55-gallon drums of several different petroleum and other products were observed throughout the property, as were larger dumpsters (20- and 30-cubic yard). Stained surfaces, indicative of poor chemical handling, were observed in most Areas of the property.

2.9 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products which include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the Bureau of Radiation Protection, a division of the New York State Department of Health, Kings County (Brooklyn) has one of the lower average levels of basement radon measurements in New York State, 1.9 picocuries/liter. The US EPA recommended action level is 4.0 picocuries/liter.

3.0 ADJACENT LAND USE

The subject property is located in a mixed-use residential, commercial and industrial area of Brooklyn. An envelope factory was observed directly south-adjacent to Areas 1, 2 and 3. Industrial structures and lofts (some have been converted to residences) were observed on blocks east of West and Franklin Streets. A playground was observed west and south of Commercial Street. A baseball diamond was observed adjacent to Areas 1, 9 and 10 on the property. A paved lot used for parking and storage was observed east of Area 5. And Newtown Creek and the East River were located north and west of the property, respectively.

4.0 SITE HISTORY AND RECORDS REVIEW

4.1 Prior Ownership and Usage

4.1.1 Historical Land-Use Maps

Historical insurance maps were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the subject property. Specifically, Sanborn Fire Insurance maps from 1887, 1905, 1916, 1942, 1951, 1965, 1979, 1989, and 2000 were reviewed. Copies of portions of these maps are included in Appendix B.

1887

Sanborn Maps from 1887 indicated Block 2520, Lot 57 and Block 2510 to be occupied by New York Dye-Wood Extract and Chemical Company. Block 2520, Lot 57 was used for logwood storage and was shown to contain a two-story structure used for wagon and pattern storage in the eastern portion of the Lot, where the current two-story brick building is located in Area 1. Block 2510 was shown to contain a large logwood storage shed, a small oil storage shed, an area with 15 wooden dye tanks, a tank house, and storage, cutting and manufacturing buildings.

The southwestern portion of Block 2502 was shown to contain A. K. Meserole & Company - a mason material and coal storage yard. The remainder of Block 2502 and the southern portion of Block 2472 were shown to be occupied by C. Winant's Spar Yard. Church and Reeves Lumber Yard was indicated on the eastern portion of Block 2472. Finally, Block 2494, Lot 1 was shown to be vacant, except for a residence hall and two dwellings located near Franklin Street. The remainder of Block 2494, Lot 1 was shown to be vacant.

A lumber yard was indicated south-adjacent to the subject property on Block 2520. A sugar refining company was indicated east-adjacent to Block 2472. Vacant land, residential buildings, a piano manufacturer, a veneer factory, a machine shop, and a lubricator factory were indicated south of Commercial Street and east of West Street on the subject property.

1905

Sanborn Maps from 1905 indicated Block 2520, Lot 57 and Block 2510 to continue to be occupied by New York Dye-wood Extract and Chemical Company. Block 2502 and the southern portion of Block 2472 were shown to be occupied by Nesmith and Constantine Log Storage Yard, a two-story lumber shed belonging to P.M. Dingee & Sons (at the corner of Freeman and West Streets), and a small mahogany storage yard (at the intersection of Eagle and West Streets) which extended onto Block 2494. The remainder of Block 2472 was shown to be occupied by Bergen & Company Lumber Yard and by the O'Rourke Engineering Construction Company. Finally, Block 2494, Lot 1 was shown to contain the International Mahogany Company at the intersection of Eagle and West Streets and two dwellings and a store fronting Franklin Street. The remainder of Block 2494, Lot 1 was shown to be vacant.

A mahogany and veneer yard was indicated south-adjacent to the subject property on Block 2520. A sugar refining company was indicated east-adjacent to Block 2472. Vacant land, residential buildings, a lubricator factory and an iron works were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

1916

Sanborn Maps from 1916 indicated Block 2520, Lot 57 and Block 2510 to be occupied by New York Quebracho Extract Company. Several storage shed, a cooperage, a wagon house, several industrial buildings, a tank room, and two areas shown to contain dye wood tanks and logwood tanks were associated with this company. It should be noted that much of the writing on these maps was illegible. The southeastern corner of Block 2502 was shown to be occupied by Export Auto Case Company, a manufacturer and packing facility; the remainder of the block was shown to be vacant. Block 2472 was shown to be occupied by Bergen & Company Lumber Yard, a portion of the New York State Barge Canal Terminal, a portion of Alberene Stone Company Tub Storage, and by vacant land. Finally, Block 2494, Lot 1 was shown to contain a dwelling at the intersection of Eagle and West Streets and a garage and auto repair shop with a pump house and an underground gasoline tank at the intersection of Dupont and Franklin Streets. The remainder of the Lot was shown to be vacant.

A lumber company was indicated south-adjacent to the subject property on Block 2520. West Street Improvement Company was indicated east-adjacent to Block 2472; two large tanks of unknown contents were indicated on the western property boundary. Vacant land, residential buildings, a machine shop, a display fixtures factory, and a plating and machine store were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

1942

Sanborn Maps from 1942 indicated Block 2520, Lot 57 and Block 2510 to be occupied by Lumber Exchange Terminal, Inc. A small two-story structure and a large one- to two-story lumber shed were indicated on Lot 57. A gas tank was shown to be located adjacent to the two-story building. Block 2502 was shown to be vacant. Block 2472 was shown to contain the New York State Canal Terminal, Greenpoint Coal Docks, Inc., and vacant land. Finally, Block 2494, Lot 1 was shown to be vacant except for a lumber shed fronting Franklin Street.

Vacant land was indicated south-adjacent to the subject property on Block 2520. Brooklyn and Queens Transit Corporation Trolley Car Storage was indicated east-adjacent to Block 2472. A steam laundry was indicated adjacent to the subject property on Block 2494. Vacant land, residential and commercial buildings, industrial structures, and two garages were indicated south of Commercial Street and east of West Street on the subject property. A store with four gasoline tanks was indicated at the intersection of Clay and Commercial Streets. No further significant changes were indicated for the subject property or for the surrounding area.

1951

Sanborn Maps from 1951 indicated Block 2520, Lot 57, Block 2510, Block 2502, Block 2494 and the southwestern portion of Block 2472 to be occupied by Lumber Exchange Terminal, Inc. The northeastern portion of Block 2472 was shown to contain Greenpoint Coal Docks, Inc. The New York State Canal Terminal occupied a pier off of Block 2472.

Vacant land was indicated south-adjacent to the subject property on Block 2520. Brooklyn and Queens Transit Corporation Trolley Car Storage was indicated east-adjacent to Block 2472. A steam laundry was indicated adjacent to the subject property on Block 2494. Vacant land, residential and commercial buildings, industrial structures, a sheet metal works, display fixture manufacturing, and a public park were indicated south of Commercial Street and east of West Street on the subject property. A store with four gasoline tanks was indicated at the intersection

of Clay and Commercial Streets. No further significant changes were indicated for the subject property or for the surrounding area.

1965

Sanborn Maps from 1965 indicated Block 2520, Lot 57; Block 2510; Block 2494, and Block 2502; Block 2472, Lots 2, 32, 100, 410 and 425 to be occupied by Lumber Exchange Terminal, Inc. The majority of the property was shown to be used for lumber storage. A shed (approximately the same size as the current corrugated metal garage located in Area 1) was shown to have replaced the larger shed shown in the 1951 Map. The New York State Canal Terminal occupied a pier off of Block 2472.

Vacant land and four dry cement tanks were indicated south-adjacent to the subject property on Block 2520. The New York City Transit System Crosstown Depot was indicated east-adjacent to Block 2472. A steam laundry was indicated adjacent to the subject property on Block 2494. Residential and commercial buildings, industrial structures, a sheet metal works, a display fixture manufacturing facility, and a public park were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

1979

Sanborn Maps from 1979 indicated Block 2520, Lot 57; Block 2510; Block 2494, and Block 2502; Block 2472, Lots 2, 32, 100, 410 and 425 to be occupied by Lumber Exchange Terminal, Inc.

A two-story structure labeled 'Metal Products' and a two- to three-story manufacturing and commercial structure were indicated south-adjacent to the subject property on Block 2520. The New York City Transit System Crosstown Depot was indicated east-adjacent to Block 2472. In addition to the steam laundry, a sludge tank was indicated on Block 2474. Vacant land, residential and commercial buildings, industrial structures, manufacturing facilities, and a public park were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

1989

Sanborn Maps from 1989 indicated Block 2520, Lot 57; Block 2510; Block 2494, and Block 2502; Block 2472, Lots 2, 32, 100, 410 and 425 to be occupied by Lumber Exchange Terminal, Inc.

A two-story structure labeled 'Devon Lithography, Inc.' and a two- to three-story manufacturing and commercial structure were indicated south-adjacent to the subject property on Block 2520. The New York City Transit System Crosstown Depot was indicated east-adjacent to Block 2472. A steam laundry and a sludge tank were indicated on Block 2474. Vacant land, residential and commercial buildings, industrial structures, manufacturing facilities, and a public park were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

2000

Sanborn Maps from 2000 indicated Block 2520, Lot 57; Block 2510; Block 2494, and the southwestern portion of Block 2472 to be occupied by Lumber Exchange Terminal, Inc. The

northeastern portion of Block 2472 was shown to contain Two Guy's Towing and Auto Repair and a parking lot.

Vacant land, residential and commercial buildings, industrial structures, manufacturing facilities, a steam laundry, a sludge storage tank, and a public park were indicated south of Commercial Street and east of West Street on the subject property. No further significant changes were indicated for the subject property or for the surrounding area.

To summarize, the Sanborn maps indicate that the subject property was developed prior to 1887 and has maintained its industrial functions for more than 110 years. Construction for the current two-story brick office building on Area 1 was reportedly completed prior to 1887. Construction for the current corrugated metal garage also on Area 1 was reportedly completed prior to 1965. Block 2520, Lot 57 and Block 2510 reportedly contained the New York Dye - Wood Extract and Chemical Company ca 1887 through ca. 1905; the New York Quebracho Extract Company ca. 1916; and the Lumber Exchange Terminal, Inc. ca. 1942 through ca. 2000. Block 2502 reportedly contained A.K. Meserole & Company (a mason material and coal storage yard) and a portion of C. Winant's Spar Company ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard and a two-story lumber shed belonging to P.M. Dingee & Sons ca. 1905; Export Auto Case Company and vacant land ca. 1916; vacant land ca. 1942; and the Lumber Exchange Terminal, Inc. ca. 1951 through ca. 2000. Block 2472 was shown to contain a portion of C. Winant's Spar Company and Church and Reeves Lumber Yard ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard, the Bergen & Company Lumber Yard and the O'Rourke Engineering Construction Company ca. 1905; the Bergen & Company Lumber Yard, a portion of the New York State Barge Canal Terminal; a portion of Alberene Stone Company Tub Storage and vacant land ca. 1916; the New York State Canal Terminal, Greenpoint Coal Docks, Inc. and vacant land ca. 1942 through ca. 1951; and the Lumber Exchange Terminal, Inc. ca. 1965 through ca. 2000. Sanborn Maps from the year 2000 indicated Block 2472 to also contain Two Guys Towing and Auto Repair and a parking lot. Block 2494, Lot 1 was shown to contain dwellings and stores ca. 1887 through ca. 1905; a garage and repair shop with a tank house and an underground storage tank ca. 1916; vacant land ca. 1951; and the Lumber Exchange Terminal ca. 1965 through 2000.

4.1.2 Historical Aerial Photographs

Complete and thorough coverage was available for the subject property utilizing historical land-use maps. The maps typically include detailed information such as dates of construction, building occupants or a vacant status, and use and/or zoning use of structures on the site and surrounding area. Aerial photographs would most likely not provide additional, unique information that is pertinent to the environmental condition of the property. As such, aerial photographs were not reviewed for the project site.

4.1.4 Site Interviews

Mr. John Doyle, a 40-year employee of Lumber Exchange Terminal, Inc. and Mr. Ramon Quintero, a 19-year employee of Lumber Exchange Terminal, Inc. toured AKRF personnel during site inspection and answered all pertinent questions. Mr. Doyle stated that the Lumber Exchange Terminal property was assembled mostly in the 1930's and has served as a lumber yard until the 1980's, when the owner began to phase out lumber yard operations and began leasing portions of the property to industrial tenants, mainly for use as contractor's storage

yards. Mr. Doyle also stated that lumber was never pressure treated in the yard; it was simply stored, cut, and bundled for transport. To his knowledge, the only storage tanks on the property are two 550-gallon underground gasoline tanks associated with the pump in Area 1; one 550-gallon aboveground fuel oil tank associated with the two-story brick office building in Area 1; one 275-gallon aboveground storage tank of hydraulic oil and one 275-gallon aboveground storage tank of motor oil associated with the corrugated metal garage in Area 1; and one abandoned 275-gallon aboveground storage tank in Area 8. Additionally, Mr. Doyle stated that there were three mailing addresses that he knew for the property: 171 West Street, 237 Franklin Street, and 37 Commercial Street. These were the addresses used to search New York City Fire Department records. For more information, please see Section 2.0.

4.2 Regulatory Review

Toxics Targeting, Inc. of Ithaca, New York, was contracted to obtain information regarding the regulatory status of the property and the surrounding area. This information included records from databases maintained by the US EPA and New York State Department of Environmental Conservation (NYS DEC). AKRF reviewed these records to identify the use, generation, storage, treatment and/or disposal of hazardous materials and chemicals, or releases of such materials which may impact the project site. Copies of the pertinent sections of the Toxics Targeting, Inc. report are included in Appendix C.

4.2.1 Federal

The federal records reviewed included the National Priority List (NPL) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); and the US EPA Civil Enforcement Docket. The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

National Priority List (NPL)

The NPL is the US EPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

No NPL sites were identified within a one-mile radius of the project site.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the US EPA has investigated, or plans to investigate, for a release or threatened release of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the US EPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus impacting property values.

One CERCLIS sites was reported within a one-mile radius of the subject property. Brooklyn Union Gas / Williamsburgh Works, located at the intersection of Kent Avenue and North 12th Street, approximately 3,265 feet southeast of the subject property, is the location of a former manufactured gas plant. One of the byproducts produced during operation of the plant was a hydrocarbon tar, which was temporarily stored on the site until sold for use in roofing or road surfacing. This site was given a No Further Remediation Action Planned (NFRAP) listing. Furthermore, this site is located greater than a half-mile away from the subject property and any contamination would be expected to flow towards the East River.

Emergency Response Notification System (ERNS)

This federal database compiled by the Emergency Response Notification System records and stores information on reported releases of petroleum and other potentially hazardous substances.

The subject property is not currently listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the US EPA and/or NYS DEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. The TRIS was mandated by Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Available information includes the maximum amount of chemicals stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on the transfer of chemicals off-site.

One TRIS sites was identified within a one-eighth mile radius of the project site. Liquimark, located at 19 Clay Street, approximately 410 feet northeast of the subject property, was listed in this database, however, no chemical information was provided.

Permit Compliance System of Toxic Wastewater Discharges (WWD)

This federal- and state- maintained database contains a listing of sites which discharge wastewater containing potentially hazardous chemicals.

No WWD facilities were reported within a one-eighth mile radius of the subject property.

United States Environmental Protection Agency Civil Enforcement Docket

This database is the US EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice.

No facilities are listed in the US EPA's Civil Enforcement Docket within a one-eighth mile radius of the subject property.

4.2.2 State

The state records reviewed included the listings of hazardous material spills (SPILLS), Resource Conservation and Recovery Act Notifiers (RCRA), Chemical Bulk Storage (CBS), Solid Waste Facilities (SWF), Petroleum Bulk Storage (PBS), State Inactive Hazardous Waste Disposal Sites (SHWS), Major Oil Storage Facilities (MOSF), and Air Discharge Facilities (ADF).

New York SPILLS Database

The New York SPILLS database includes a list of releases reported to the NYS DEC, including those attributed to tank test failures and tank failures. The tank test failures list only covers tanks that are below ground, while the tank failures list includes tanks that are either below or above ground. This database also lists spills that occur during the transportation of chemicals.

Sixty-five releases were reported within a quarter of a mile radius of the subject property, thirty three of which were within one-eighth of a mile. The closest active release involved the report of an one pint of unknown petroleum on three gallons of water in Manhole # 4273, located at the intersection of Freeman Street and West Street in April of 2000. The majority of other active spills reported within 450 feet of the subject property are either tank test failures or reports of discoveries of petroleum in manholes. These releases typically involve less than one gallon of spilled material, and most occurred aboveground and have been cleaned up with due diligence. Most small quantity on-land releases do not spread beyond the directly adjacent properties, and they are often contained within the immediate vicinity of the spill. As such, none of the listings for the surrounding area would be expected to have significantly affected the subject property.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYS DEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and large-quantity generators; and transporters of hazardous waste regulated under RCRA. The discussion below includes the CORRACTS listings (if any) of facilities which are subject to corrective action under RCRA.

One TSD facilities was identified within a one-mile radius of the subject area. Ten RCRA generators were listed within a one-eighth mile radius of the project site. Several of these industrial facilities with known generation of hazardous wastes (including halogenated solvents) are located up-gradient with respect to groundwater to the subject property. Several facilities have Class One RCRA violations, indicating releases may have occurred. Groundwater quality may have been impaired by these operations.

Kosan Industrial Corp., a treatment, storage and disposal facility located at 5-49 49th Avenue, is located north of Newtown Creek in Long Island City, therefore, it would not be expected to affect the subject property.

The following generators were listed within one-eighth mile of the subject property:

- NuHart Company, located at 49 Dupont Street, at the intersection of Franklin Street, across the street from the subject property, was listed twice as a Large Quantity Generator of Solid Wastes that exhibits the characteristics of ignitability and corrosivity, barium, spent halogenated solvents, and formaldehyde in 1990 and 1997. One Class One and one Class Two violation were listed for this facility;
- Consolidated Edison, located at 7466-7489 Huron Street, approximately 190 feet southeast of the subject property, was listed as a generator of lead in 1997;
- New York City Transit Authority, located at 65 Commercial Street, northeast adjacent to the subject property, was listed as a Large Quantity Generator of spent non-halogenated solvents, spent halogenated solvents; solid waste that exhibits the characteristic of ignitability, lead and benzene in 1992, 1993, 1996 and 1998. Two Class One violations were listed for this facility;
- Liquimark, located at 71 Green Street, approximately 205 feet southeast of the subject property, was listed in this database for generating solid waste that exhibits the characteristic

of corrosivity and spent non-halogenated solvents in 1994. Nine Class One violations were reported for this facility;

- Harte & Company, Inc., located at 77 Commercial Street, approximately 225 feet northeast of the subject property, was listed in this database as a Large Quantity Generator, however, no chemical information was provided;
- Pat & Doms Body & Fender Repair, located at 246 Franklin Street, approximately 300 feet east of the subject property, was listed as a Small Quantity Generator of five different kinds of waste in 1990;
- Huxley Envelope Corporation, located at 145 West Street, approximately 332 feet to the southeast of the subject property, was listed as a Large Quantity Generator of spent halogenated solvents used in degreasing in 1994. One Class One violation was reported for this facility;
- Interflo Technologies, located at 19 Clay Street, approximately 400 feet northeast of the subject property, was listed in this database for having generated four different kinds of waste in 1994 and 1995. Twenty-four violations were reported for this facility; and
- Electrical Precision Mete, located at 214 Franklin Street, approximately 470 feet southeast of the subject property, was listed in this database, however, not hazardous waste information was provided.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

No CBS facilities were identified within a one-eighth mile radius of the subject property.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites that manage solid waste.

Fourteen SWFs were reported within a one-mile radius of the project site, the closest of which was DH Farney Contractors, Inc., located at 5502 Sencond Street, approximately 1270 feet north of the subject property. This facility was listed as a Large Transfer Station of residential waste. No waste is stored or disposed at transfer stations; waste is mainly transferred from small garbage trucks to larger vehicles for transportation to a landfill, recycling center or incinerator. These facilities are, therefore, unlikely to affect soil or groundwater conditions at the project site.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground in excess of 1,100 gallons and less than 400,000 gallons.

Eleven PBS listings were reported within an eighth of a mile radius of the subject property, three of which are in the immediate vicinity. The closest three listings for bulk petroleum storage are summarized below:

- Eagle Street Association, located at 48 Eagle Street, directly across the street from the subject property, was listed as having two 10,000-gallon and one 6,000-gallon, closed-in-place, underground, #1, 2 or 4 fuel oil tanks;

- Rialto Products, Inc., located at 61-65 Green Street, directly across West Street from the subject property, was listed as having one, in-service, 2,000-gallon vaulted underground, #1, 2 or 4 fuel oil tank; and
- Deven Lithographers, Inc., located at 15 Huron Street, directly south-adjacent to the subject property on Block 2520, was listed as having one 5,000-gallon, underground, #1, 2 or 4 fuel oil tank.

It should also be noted that the Crosstown Bus Depot, located directly northeast-adjacent to the subject property, was listed as having seven closed underground and aboveground storage tanks with a total capacity of 18,320 gallons. This depot is located cross-gradient from the subject property with respect to groundwater and would therefore be less likely to have affected the subject property unless very large unreported releases occurred.

During site inspection, one 275-gallon aboveground storage tank of hydraulic oil and one 275-gallon aboveground storage tank of motor oil were observed in the corrugated metal garage in Area 1 and one abandoned 275-gallon aboveground storage tank was observed behind an office trailer in Area 8. Mr. Doyle reported that two 550-gallon underground gasoline tanks were associated with the fuel pump in Area 1 and one 550-gallon aboveground fuel oil tank was associated with the two-story brick office building in Area 1. The fuel oil tank was not observed during site inspection.

New York City Fire Department computerized records did not list any motor vehicle fuel tank of heating oil tanks for the subject property. New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing a gasoline tank located at the northwest corner of a two-story brick building, and a 1938 Permit to install one 550-gallon gasoline tank and one fuel pump. New York City Buildings Department Block and Lot records for Block 2492, Lot 1 included a record showing one 550-gallon fuel oil tank within a two-story building. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

This database maintains information and aids decision-making regarding the investigation and clean-up of hazardous sites. The Registry's information includes the clean-up status, type of clean-up, types and quantities of contaminants involved, and the assessment of health and environmental concerns.

Six State listed inactive Hazardous Waste Sites were reported within a one-mile radius of the project site, however, all of these are located greater than one-half mile away from the subject property and are, therefore, unlikely to be of concern.

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels, with petroleum storage capacities of 400,000 gallons or more.

Eight MOSFs were reported within a 1-mile radius of the project site, however, all are located either in Long Island City (across Newtown Creek) or greater than one-half mile away from the subject property and are, therefore, not of concern.

Air Discharge Facilities Index (ADF)

This listing of sites tracked by the New York State Regulatory Compliance Information System includes address information on each facility and the source of its associated air emissions.

Twelve ADF listings were reported within a one-eighth mile radius of the subject property. The closest three listings are summarized below:

- Courier Packaging, Inc, at both 220 West Street and 48 Eagle Street, was listed as having the potential to release volatile organic compounds. The address listed for this facility, 220 West Street, would place it in Area 8 of the subject property, however, Courier Packaging, Inc. is not currently a tenant of the property. Therefore, the facility is likely located at 48 Eagle Street, directly across the street from the subject property;
- Consolidated Laundries; located at 32-48 Eagle Street, adjacent to Area 8 on the subject property, was listed in this database, however, no further information was provided; and
- NuHart & Company, located at 49 Dupont Street, approximately 40 feet northeast of the subject property, was listed twice in this database as having the actual or potential emissions of volatile organic compounds above the applicable major source thresholds. This facility was reportedly in violation with regard to procedural compliance.

4.2.3 Local

Records maintained by the New York City Fire and Buildings Departments were investigated to determine the potential presence of hazardous materials. These records typically include fuel oil, gasoline and waste oil tank installation applications and permits and records of prior uses. Mr. Doyle stated that there were three mailing addresses that he knew for the property: 171 West Street, 237 Franklin Street, and 37 Commercial Street. These were the addressed used to search New York City Fire Department records. Buildings Department records were requested for Block and Lots of the subject property, however, the following computerized records were available: Block 2472, Lot 410; Block 2492, Lot 1; Block 2510, Lot 1; and Block 2520, Lot 57. The following Block and Lot folders were available for review: Block 2494, Lot 1; Block 2502, Lot 1; and Block 2520, Lot 57. Copies of pertinent legible information are included in Appendix D.

New York City Fire Department computerized records did not list any motor vehicle fuel tank of heating oil tanks for the subject property.

New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included an 1890 blue print for the construction of a brick building, a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing a gasoline tank located at the northwest corner of a two-story brick building, a 1938 Permit to install one 550-gallon gasoline tank and one fuel pump, and a 1935 New Building Permit to construct a garage.

New York City Buildings Department Block and Lot records for Block 2492, Lot 1 included a record showing one 550-gallon fuel oil tank within a two-story building. This record indicated the property to be occupied by the Greenpoint Lumber Exchange.

New York City Buildings Department Block 2502, Lot 1 included a 1936 Demolition Permit for a frame dwelling house shown on the southeast corner of the block. This Permit was addressed to the Newtown Creek Coal and Coke Company, Inc.

New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of our investigation, there appears to be a high potential for environmental impairments. The following concerns are noted:

The regulatory databases, Fire Department records, historical land-use atlases, and the visual site inspection indicate that the subject property has over a 100-year history of industrial use related primarily to the lumber and coal industries. Lumber Exchange Terminal, Inc, the current owner of the property, reportedly assembled the property in the 1930s, 1940s and 1950s. The owner began to phase out lumber yard operations in the 1980's when he began leasing portions of the property to industrial tenants, mainly for use as contractor's storage yards. Currently, only a small portion of the property remains occupied by Lumber Exchange Terminal, Inc. For the purpose of clarity, each Tax Block will be discussed individually (See Figure 2), and then potential environmental impairments located outside of the subject property will be discussed.

- **Tax Block 2520, Lot 57** - This portion of the property was historically occupied by a portion of the New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (also located on Block 2510); it was used for logwood, wagon and pattern storage. This Lot was also occupied by a portion of the New York Quebracho Extract Company ca. 1916 (also located on Block 2510); it contained a cooperage and a wagon house. Quebracho is a natural bark extract, rich in tannins, which is used to treat leather. Although quebracho is an organic substance, the process used to extract it may have involved the use or generation of hazardous materials or wastes. However, it appears this portion of the business was used more for storage than for manufacturing. Block 2520, Lot 57 was occupied by Lumber Exchange Terminal Inc. prior to 1942 through the present (Area 1 - Areas are shown in Figure 2). Other tenants currently occupying the Lot include Acquisitions Investment, Inc. (Area 2 - used for bus parking and minor repair) and Trochom Construction Corporation (a portion of Area 3 - used for auto parking and contractor's materials storage). This portion of the property currently contains a two-story brick office building (which first appeared on Sanborn Maps in 1887), a large corrugated metal garage (which first appeared on Sanborn Maps in 1965), and a small guard shed near the Green Street entrance. Surface staining was observed in Areas 1, 2, and 3. 20- and 30-cubic yard waste containers were observed in Areas 2 and 3, respectively.

  Suspect asbestos-containing materials, including boiler insulation, pipe insulation, spray-on fire proofing, floor and ceiling tiles were observed in the two-story brick building during site inspection. The roof was inaccessible at the time of inspection, however, due to the age of the structure, it can be assumed to contain asbestos. This structure was reportedly heated by fuel oil located in one 550-gallon tank enclosed behind a brick wall near the boiler room. In addition, one fuel pump was observed outside of the two-story brick building, which was reportedly serviced by two 550-gallon underground gasoline tanks. New York City Buildings Department Block and Lot records for Block 2520, Lot 57 included a 1935 Fuel Oil Permit for a 550-gallon underground storage tank to be located directly outside of a two-story office, a 1935 blueprint showing an underground gasoline tank located at the northwest corner of a two-story brick building, a 1938 Permit to install one 550-gallon underground gasoline tank and one fuel pump and a 1957 record showing one 550-gallon fuel oil tank within a two-story building. A search of computerized Fire Department records did not locate any heating or motor fuel oil records for the property.

The small guard shed may contain asbestos-containing and/or lead paint-containing materials, though none were observed during site inspection.

The eastern portion of the garage building was used primarily to store fork lifts and old car parts; the western portion of the garage was primarily used for the storage of car batteries, tires and tools. The area was illuminated with new-looking pole mounted fluorescent lights, however, old, ceiling mounted fluorescent lights (potentially with PCB-containing ballasts) were observed throughout the structure. One 275-gallon aboveground storage tank of hydraulic oil, one 275-gallon aboveground storage tank of motor oil and over twenty 55-gallon drums and several 5-gallon drums of petroleum products were observed in the eastern portion of the structure; several 55-gallon drums of lube oil and antifreeze and two oxygen and acetylene tanks were observed in the western portion. AKRF personnel were informed that auto and fork lift repair occurred in the areas directly east and west of the garage building. Severe surface staining and several 55-gallon drums of petroleum products were observed in these areas.

The fuel oil, gasoline, hydraulic oil and motor oil tanks; the 55- and 5-gallon containers of petroleum products; and the Block's current usage for auto repair could have contributed to petroleum contamination in soil and/or groundwater. The Block's former usage as a dye and chemical factory, as a quebracho extract company and as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site. Asbestos-containing and/or lead paint containing building materials could be present in the two-story brick office building and/or in the corrugated metal garage on the Block. Finally, mercury-containing fluorescent lights and/or PBC-containing ballasts could be present in lighting fixtures in on-site structures.

- **Tax Block 2510** - This portion of the property was historically occupied by a portion of the New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (also located on Block 2520, Lot 57); it contained a large logwood storage shed, a small oil storage shed, an area with 15 wooden dye tanks, a large tank house, and storage, cutting and manufacturing buildings. This Lot was also occupied by a portion of the New York Quebracho Extract Company ca. 1916 (also located on Block 2510); it contained several storage sheds and industrial buildings, a large tank room and two areas with dye wood tanks and logwood tanks. This portion of the business appeared to have been used both for manufacturing and for storage. Block 2510 was occupied by Lumber Exchange Terminal Inc. prior to 1942 through 1989. Tenants currently occupying the Block include Trochom Construction Corporation (a portion of Area 3 - used for contractor's materials storage), Bay Crane Services, Inc., (Area 4 - used for storage of cranes and other large construction vehicles), Safway Steel Products, Inc./ Spring Scaffolding (a portion of Area 6 - used for storage of scaffolding materials) and Hylan Electrical Contracting, Inc. (Area 7 - used for storage of materials used to install fiber optic cabling). 55-gallon drums of water-based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed in Area 3. Surface staining was also observed in Area 3. Generators, several fork lifts and 55-gallon drums of fiber optic cable lubricator were observed in Area 6. 20- and 30-cubic yard waste containers were observed in Areas 3 and 6, respectively.

  The 55- and 5-gallon containers of chemicals and petroleum products and the Block's former usage as a dye and chemical factory, as a quebracho extract company and as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site.

- **Tax Block 2502** - This portion of the property was historically occupied by A.K. Meserole & Company (a mason material and coal storage yard) and a portion of C. Winant's Spar Company ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard and a two-story lumber shed belonging to P.M. Dingee & Sons ca. 1905; Export Auto Case Company and vacant land ca. 1916; vacant land ca. 1942; and the Lumber Exchange Terminal, Inc. ca. 1951 through ca. 2000. Tenants currently occupying the Block include Trochom Construction Corporation (a portion of Area 3 - used for contractor's materials storage), River Hauling, Inc. (a portion of Area 5 - used for temporary storage and transport of large items), Safway Steel Products, Inc. (a portion of Area 6 - used for storage of scaffolding materials) and Far Better Towing, Inc. / R-D Towing Corporation (Area 8 - used for the storage of repossessed automobiles). 55-gallon drums of water-based curing compounds for concrete surfaces, hydraulic oil and white resin and several five-gallon drums of silicon sealant were observed in Area 3. Surface staining was observed in Areas 3 and 5. Pony generators, several fork lifts and 55-gallon drums of fiber optic cable lubricator were observed in Area 6. 20- and 30-cubic yard waste containers were observed in Areas 3 and 6.

  The 55-gallon containers of chemicals and petroleum products currently on-site and the Block's former usage as a lumber yard (if pressure treatment occurred on-site) could have contributed to hazardous materials contamination on-site. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Tax Block 2472, Lots 2, 32, 100, 410 and 425** - Block 2472 was historically occupied by a portion of C. Winant's Spar Company and Church and Reeves Lumber Yard ca. 1916; a portion of Nesmith and Constantine's Log Storage Yard, the Bergen & Company Lumber Yard and the O'Rourke Engineering Construction Company ca. 1905; the Bergen & Company Lumber Yard, a portion of the New York State Barge Canal Terminal; a portion of Alberene Stone Company Tub Storage and vacant land ca. 1916; the New York State Canal Terminal, Greenpoint Coal Docks, Inc. and vacant land ca. 1942 through ca. 1951; and the Lumber Exchange Terminal, Inc. ca. 1965 through ca. 2000. Sanborn Maps from the year 2000 indicated Block 2472 to also contain Two Guys Towing and Auto Repair and a parking lot. Current tenants include Far Better Towing, Inc. / R-D Towing Corporation (a portion of Area 8 - used to park repossessed automobiles), Lumber Exchange Terminal, Inc. (a portion of Area 1 - used to store lumber), River Hauling, Inc. (a portion of Area 5 - used for temporary storage and transport of large items), New York City Housing Authority (Area 9 - used to park cars and store materials), Henkles & McCoy (Area 10 - used to park cars and store contractor's materials), Supreme Trucking (Area 11 - used for parking and minor repair large cargo trucks and for the staging of large items), MWK Transport, Inc./SJK Transport (Area 12 - used for truck parking and the storage of materials), and Spring Scaffolding (Area 13 - used to store scaffolding materials). Several fork lifts, 55-gallon drums of hydraulic oil, a 20-cubic yard waste container and surface staining in several areas were observed in this portion of Area 5. It was reported that minor auto repairs, truck washing and tire changes were performed in Area 11. Several 55-gallon drums of lube oil were observed in Area 11. New York City Buildings Department computerized records for Block 2472, Lot 410 showed listings for Fuel Oil Permits for the following years: 1946, 1980, 1984 and 1988. It is unknown whether these potential tanks were located aboveground or underground.

  The 55-gallon containers of petroleum products currently on-site, the potential storage tanks on-site, the Block's former usage as a lumber yard (if pressure treatment occurred on-site), and

the Block's current use for auto repair could have contributed to petroleum and/or hazardous materials contamination on-site. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Block 2494, Lot 1** - Block 2494, Lot 1 was historically occupied by dwellings and stores ca. 1887 through ca. 1905; a garage and repair shop with a tank house and an underground storage tank ca. 1916; vacant land ca. 1951; and the Lumber Exchange Terminal ca. 1965 through 2000. Far Better Towing, Inc. / R-D Towing Corporation is the current occupant of the Lot (a portion of Area 8 - used to repair, park and auction seized vehicles). A trailer office and a one-story brick auto-repair shop were observed near the entrance to Area 8 (at the intersection of Franklin and Dupont Streets). The one-story building contained brick walls, concrete floors and a wood ceiling. The roof was not inspected, but can be assumed to contain asbestos. One 55-gallon drum of diesel fuel was observed in this building and three more were observed outside of the building. An employee of Far Better Towing, Inc. informed AKRF personnel that oil and tires are changed and minor repairs occur. No vehicles were reportedly fueled on the property. Piles of trash, tires, car parts, a tank of carbon dioxide gas and one 275-gallon abandoned aboveground storage tank were observed surrounding the trailer and the one-story structure.

  The 55-gallon containers of petroleum products currently on-site, the current and former auto-repair operation, the underground gasoline storage tank identified on the property, the hydraulic lift system identified on-site and the former usage as a lumber yard (if pressure treatment occurred on-site) could have contributed to petroleum and/or hazardous materials contamination on-site. Asbestos-containing and/or lead paint containing materials could be present in the one-story auto repair shop. Furthermore, illegal dumping of petroleum and/or hazardous materials could have occurred on historically vacant land.

- **Environmental Conditions Located Outside of the Subject Property** - In the New York State Resource Conservation and Recovery Act (RCRA) database, one Treatment, Storage, and Disposal facilities was identified within a one-mile radius of the subject area and ten RCRA generators were listed within a one-eighth mile radius of the project site. Several of these industrial facilities with known generation of hazardous wastes (including halogenated solvents) are located up-gradient with respect to groundwater to the subject property. Several facilities have Class One RCRA violations, indicating releases may have occurred. Groundwater quality may have been impaired by these operations.

RECOMMENDATIONS:

- AKRF recommends a Phase II Subsurface Site Investigation to determine the presence and possible extent of underground storage tanks as well as petroleum and/or hazardous materials contamination in on site soil and groundwater;

- AKRF recommends any identifies tanks be properly registered, if required, with the New York State Department of Environmental Conservation and the New York City Fire Department. Prior to any renovation or demolition activities with the potential to disturb known tanks, they should be

property assessed, closed and removed from the property in accordance with all federal, state and local regulations;

- Prior to any renovation or demolition activities with the potential to disturb suspect asbestos containing materials, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all sate and federal regulations;

- Any renovation or demolition activities with the potential to disturb lead-based paint must be performed in accordance with the applicable Occupational Safety and Health Administration regulation (OSHA 29 CFR 1926.62 - Lead Exposure in Construction). Current New York State Department of Environmental Conservation guidance permits the disposal of construction materials covered with lead-based paint as demolition debris within an approved landfill; and

- The suspect mercury-containing fluorescent lights and suspect PCB-containing lighting fixtures do not currently present a potential hazard to human health. Unless there is labeling or test data to indicate they are not mercury- and/or PCB-containing, if disposal is required, it should be in accordance with applicable federal, state, and local regulations and guidelines.

6.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property and to identify existing and/or potential environmental problems associated with the property.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry and in accordance with ASTM Standard E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. It is intended for use as a supplement to the property appraisal and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the subject property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the property. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

This Phase I Assessment is not and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

A preliminary visual screening was performed to identify suspect asbestos-containing materials in readily accessible and visible areas. Hidden materials, such as those inside walls, crawl spaces and inside duct work were not accessed.

This report is based on services performed by AKRF, Inc. professional staff and observation of the site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than Park Tower Realty Corp. and their successors or assignees and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

7.0 REFERENCES

1. Toxics Targeting, Inc.; *Greenpoint Lumber Yard, Brooklyn, New York*; Regulatory Radius Search; June 19, 2001.
2. U.S. Geological Survey; *Brooklyn Quadrangle—New York*; 7.5 Minute Series (Topographic); Scale 1:24,000; 1966; Photorevised 1979.
3. U.S. Geological Survey; *Reconnaissance of the Ground-Water Resources of Kings and Queens Counties, New York*; U.S. Geological Survey; Open-File Report 81-1186; 1981.
4. U.S. Geological Survey; *The Water-Table Aquifer in Long Island, New York in March-April 1984*; Water Resources Investigations Report 86-4189, Plate 1A-Water Table Altitude-West; 1984.
5. New York State Department of Health: Office of Public Health—Environmental Radiation Section; *Basement Radon Screening Data*; December, 1999.

QUADRANGLE LOCATION

SCALE IN FEET

0' 1000' 2000' 4000'

SCALE: 1"=2000'

N

SOURCE:
USGS TOPOGRAPHIC MAP - BROOKLYN, N.Y.
QUADRANGLE - DATED 1967, PHOTOREVISED 1979

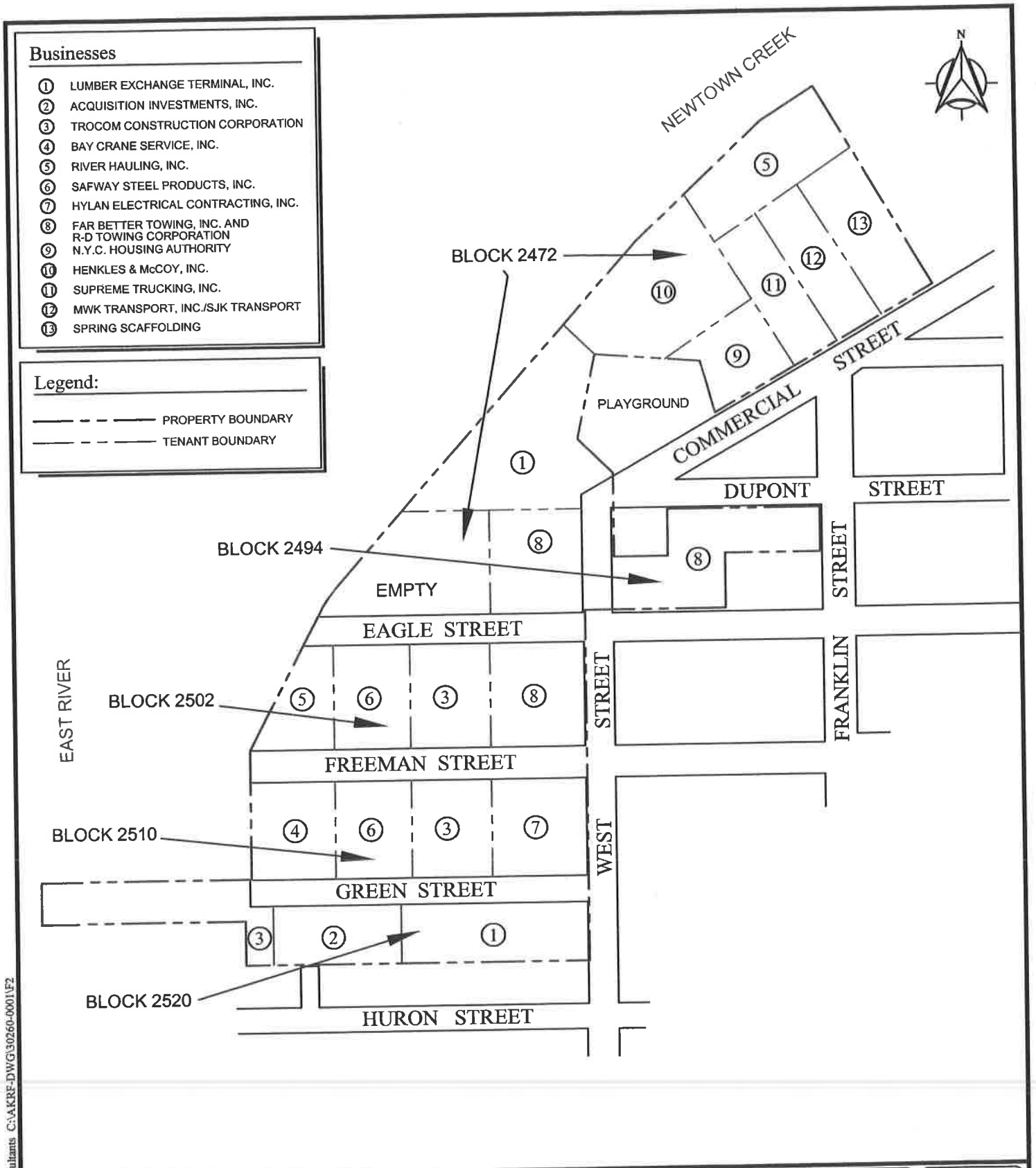
GREENPOINT LUMBER YARD
Brooklyn, New York

PROJECT SITE LOCATION

AKRF, Inc.
Environmental Consultants
117 East 29th Street New York, N.Y. 10016

DATE
06.28.01
PROJECT No.
30260
FIGURE No.
1

2001 AKRF, Inc. Environmental Consultants C:\MSPUB\30260-0001\F1.pub



GREENPOINT LUMBER YARD
Brooklyn, New York

PROJECT SITE DETAIL

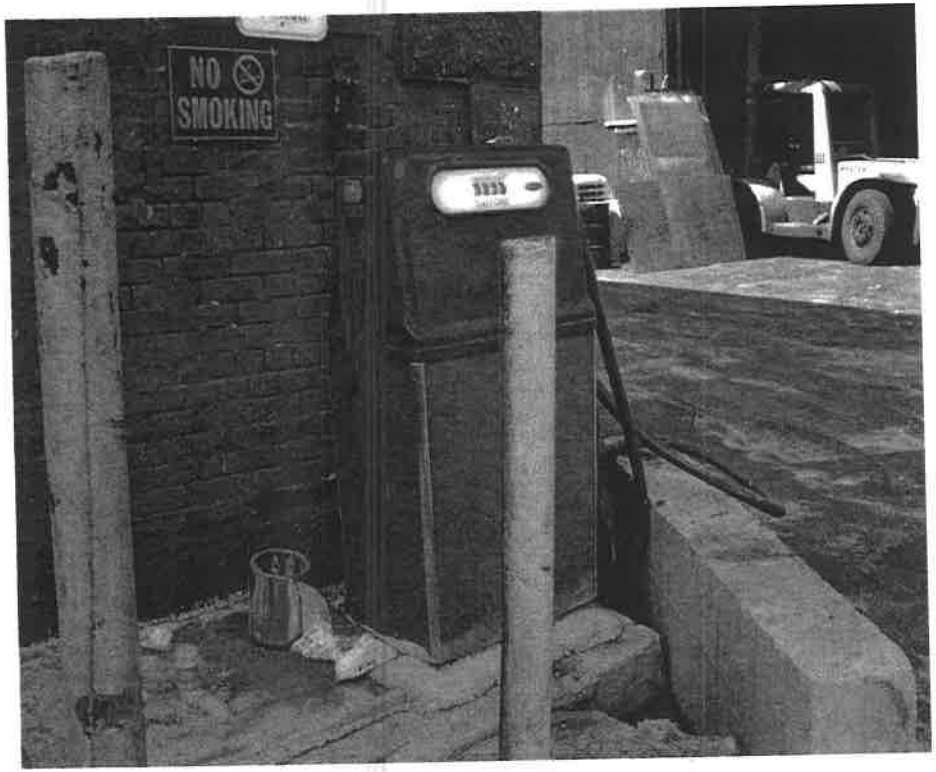
AKRF, Inc.
Environmental Consultants
117 East 29th Street, New York, N.Y. 10016

DATE 06.28.01
PROJECT No. 30260
FIGURE No. 2

2001 AKRF, Inc. Environmental Consultants C:\AKRF-DWG\30260-0001\F2

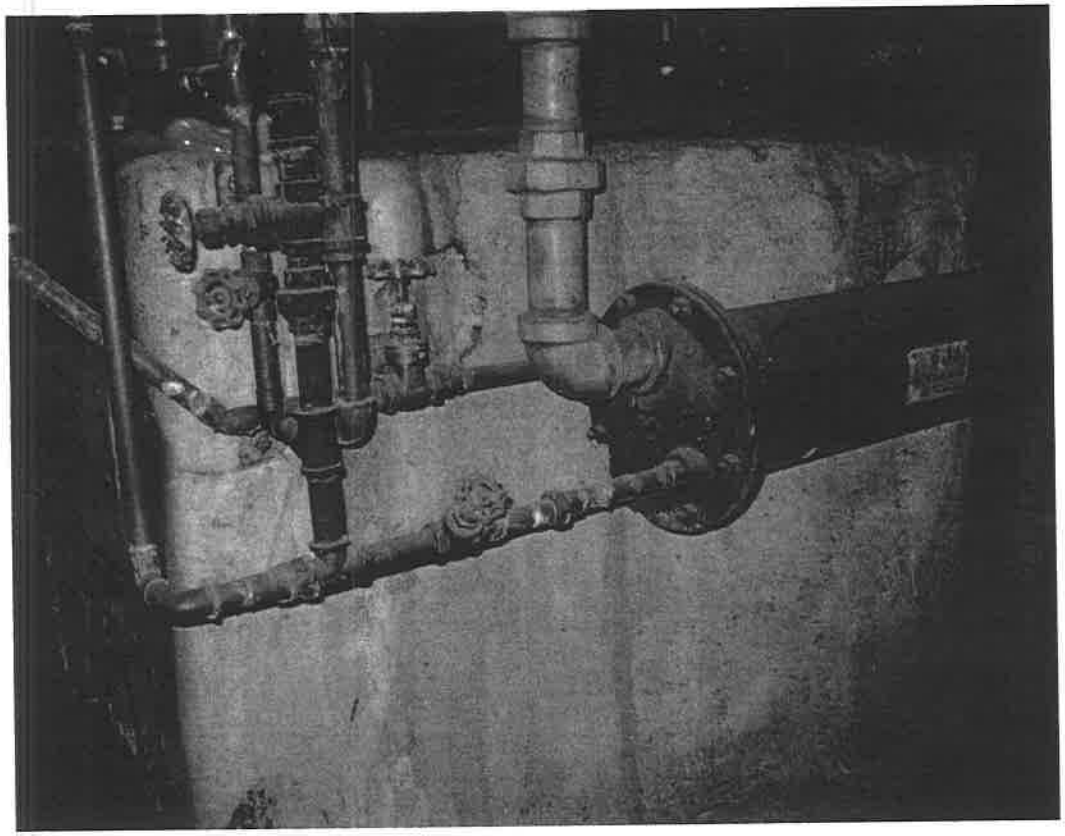
APPENDIX A
PHOTOGRAPHIC DOCUMENTATION

Photograph 1. COVER - View of Manhattan from the waterfront of the Greenpoint Lumber Yard.



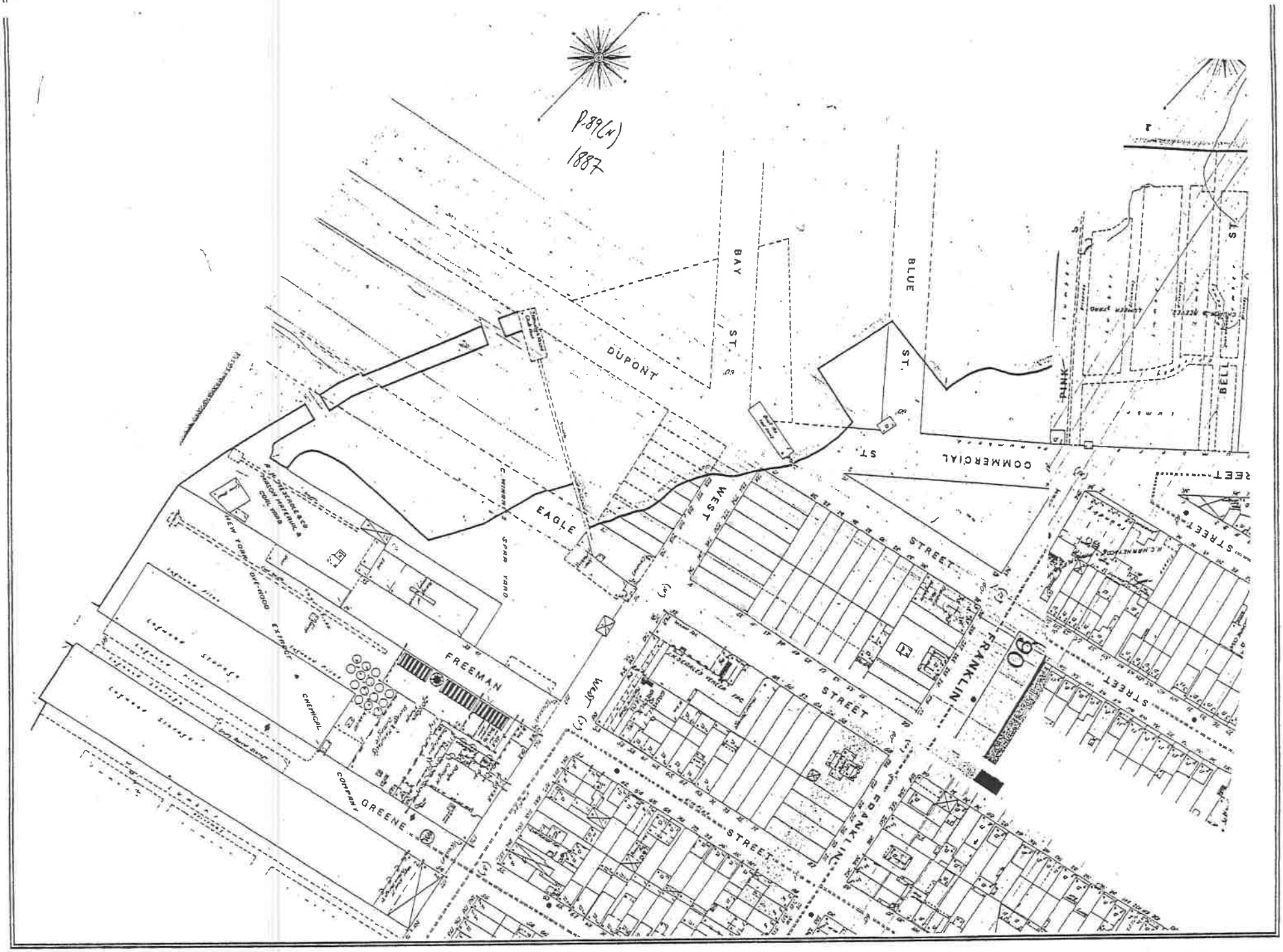
Photograph 2. Fuel pump located outside of two-story brick office in Area 1.

Photograph 3. Stained surface soil in Area 3.

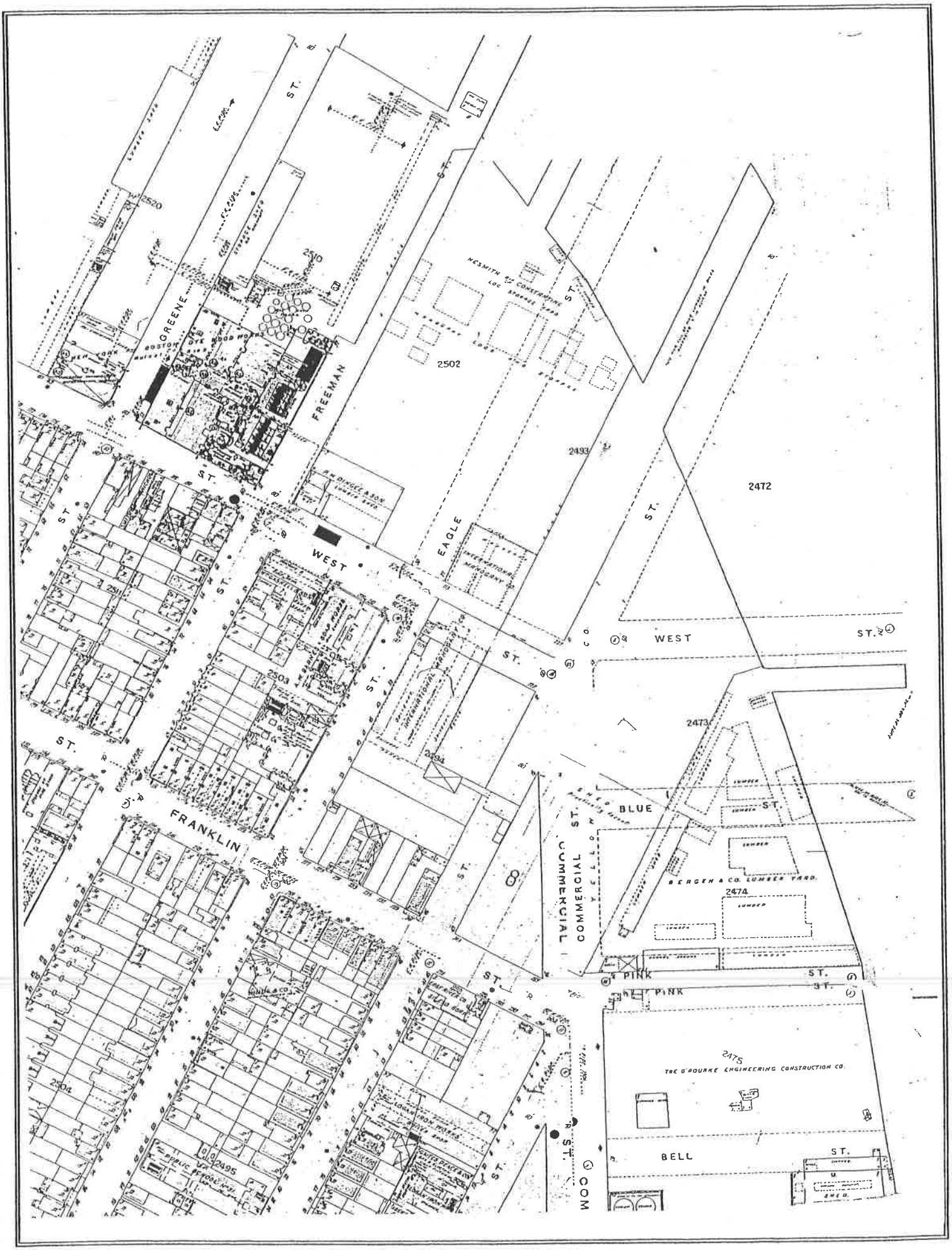


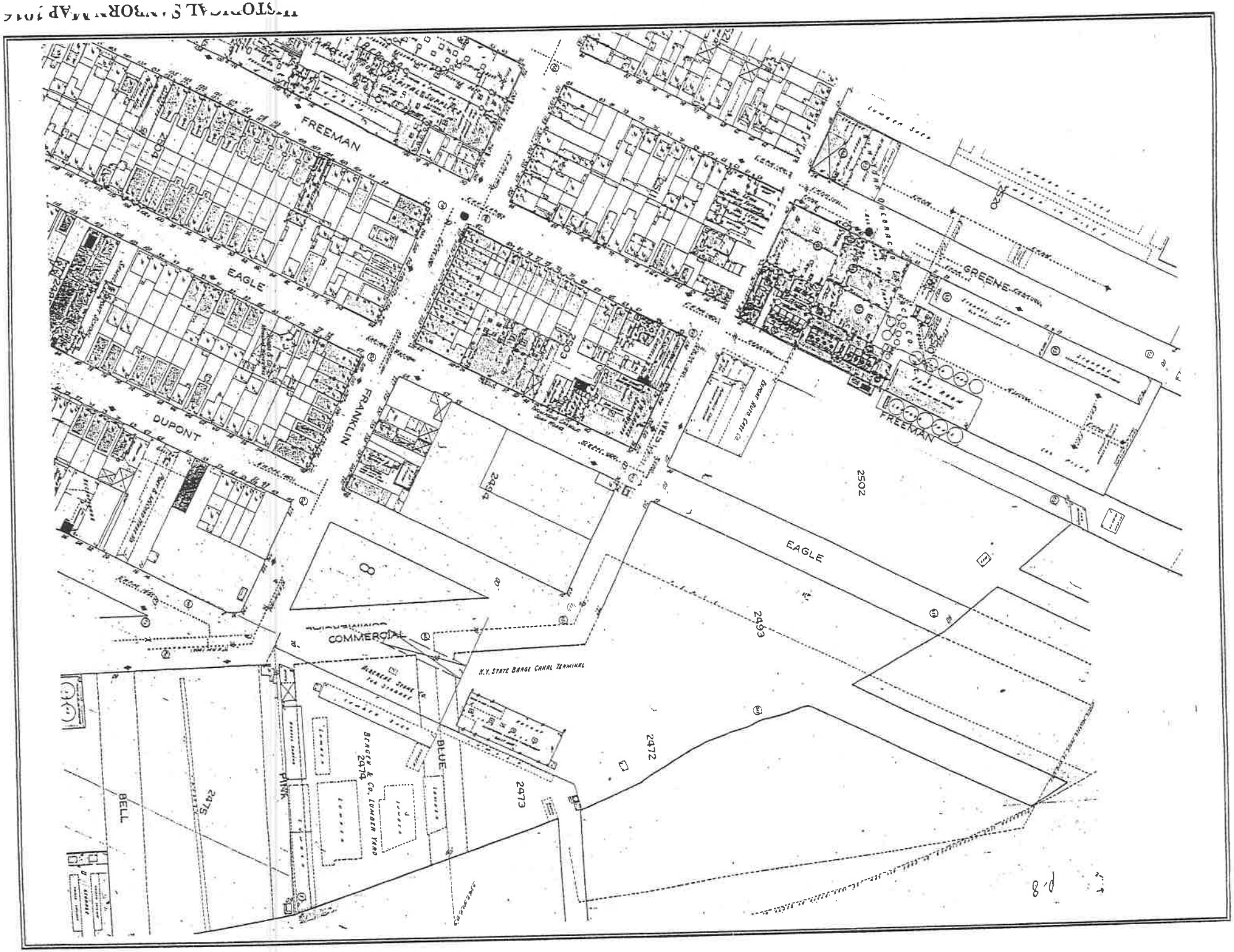
Photograph 4. Suspect asbestos-containing thermal insulation on boiler in two-story brick office building in Area 1.

APPENDIX B
HISTORICAL SANBORN MAPS

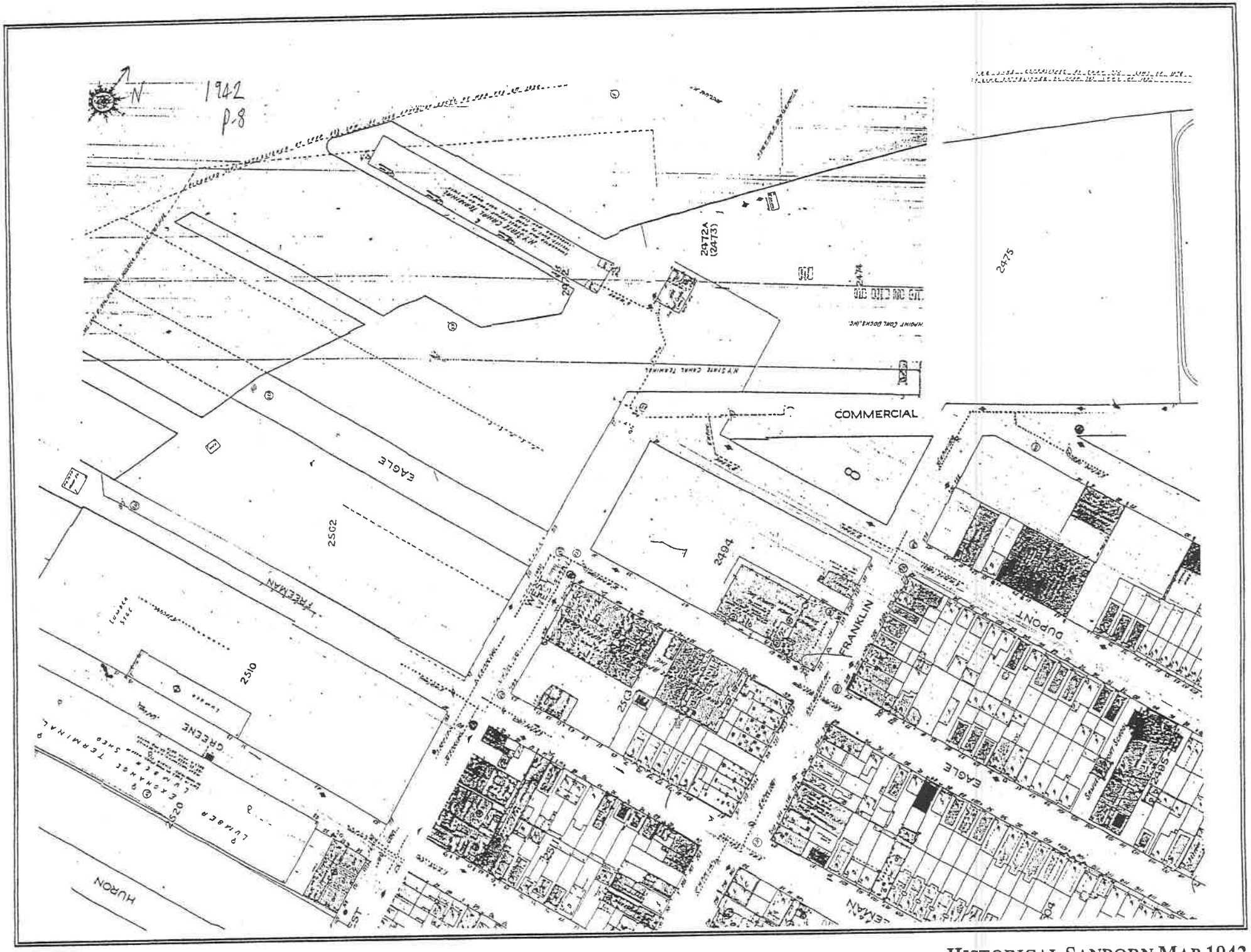


HISTORICAL SANBORN MAP 1887


GREENE
FREEMAN
EAGLE
WEST
FRANKLIN
COMMERCIAL
BLUE
PINK
BELL
ST.
2520
2510
2502
2493
2472
2473
2474
2475
2503
2494
2504
2495
8
BERGEN & CO. LUMBER YARD
THE O'ROURKE ENGINEERING CONSTRUCTION CO.

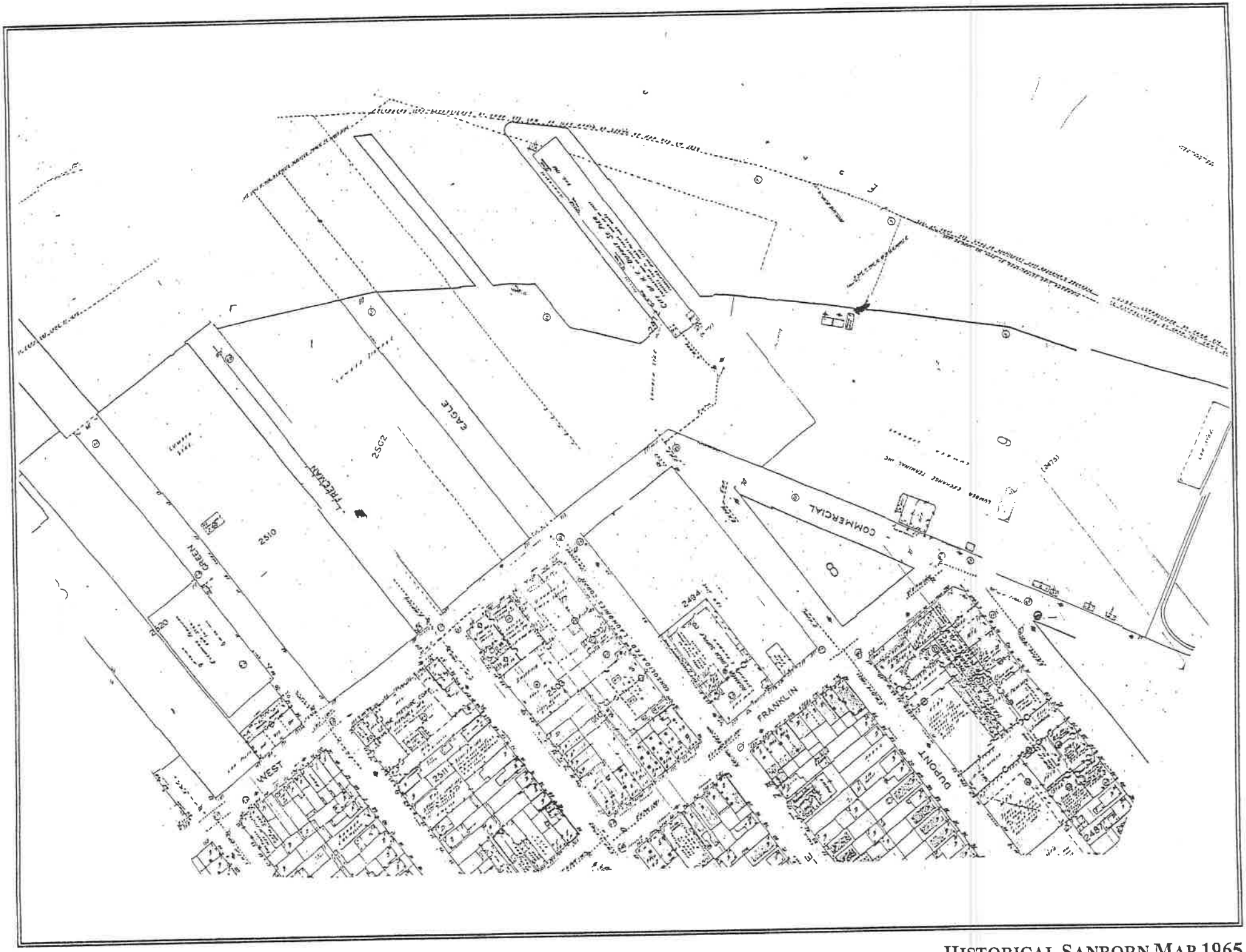


HISTORICAL SANBORN MAP 1916

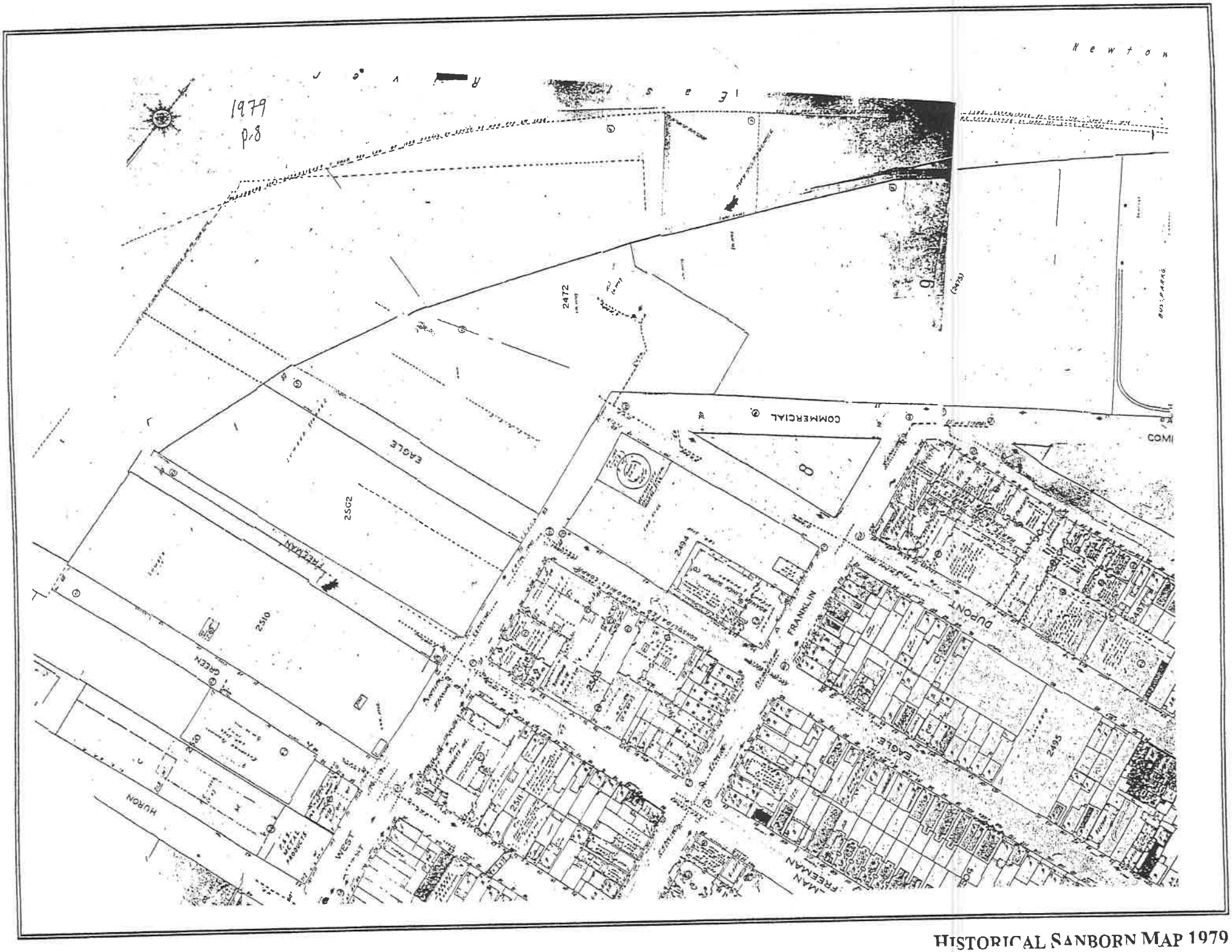


HISTORICAL SANBORN MAP 1942

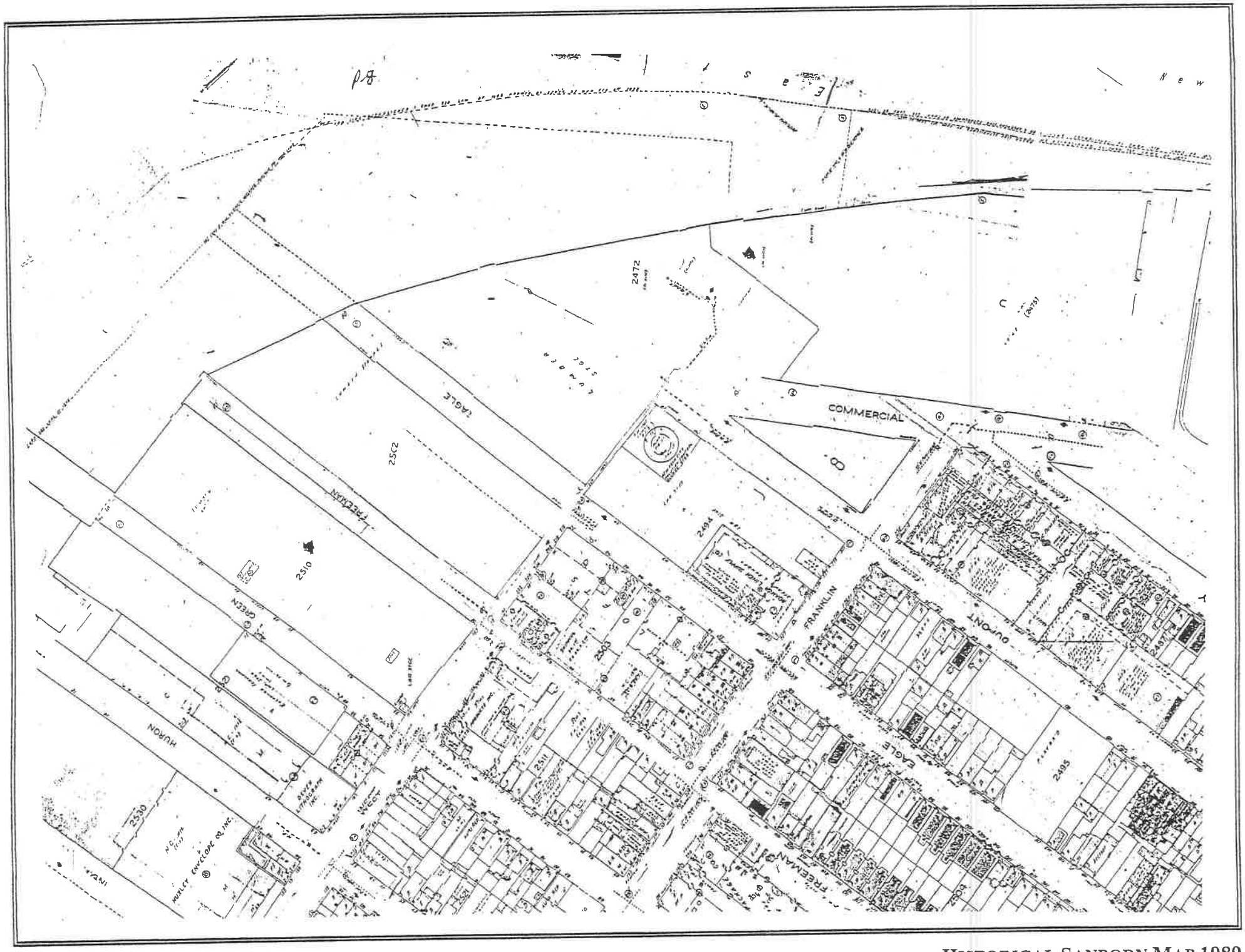
HISTORICAL SANBORN MAP 1951



HISTORICAL SANBORN MAP 1965



HISTORICAL SANBORN MAP 1979



HISTORICAL SANBORN MAP 1080

HISTORICAL SANBORN MAP 2000

APPENDIX C
REGULATORY RECORDS REVIEW

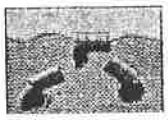
Toxics Targeting Computerized Environmental Report

Greenpoint Lumber Yard
Brooklyn, NY 11222

June 19, 2001

Toxic Site Databases Analyzed In Your Report

Search Radius

One-Mile 

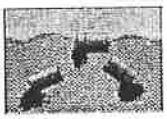
1) ***New York Inactive Hazardous Waste Disposal Site Registry:*** a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile

2) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile

3) ***National Priority List for Federal Superfund Cleanup:*** a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

One-Mile 

4) ***New York Hazardous Substance Disposal Site Draft Study:*** a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites are not eligible for state clean up funding programs.

One-Mile

5) ***New York Solid Waste Facilities Registry, including New York City 1934 Sites:*** active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

One-Mile

6) ***New York State Major Oil Storage Facilities:*** sites with more than a 400,000 gallon capacity for storing petroleum products.

One-Mile

7) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System.

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.
- ***RCRIS corrective action activity (CORRACTS):*** waste facilities with RCRIS corrective action activity reported by the USEPA.

Half-Mile

8a) ***Toxic Spills: active*** stationary source spills reported to state environmental authorities, including unremediated leaking underground storage tanks.

Half-Mile

8b) ***Toxic Spills: closed*** stationary and non-stationary source spills reported to state authorities, including remediated leaking underground storage tanks.

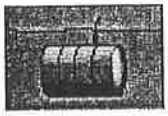
Quarter-Mile

9) ***New York and Local Petroleum Bulk Storage Facilities:*** sites with more than an 1,100 gallon capacity for storing petroleum products.

Quarter-Mile

10) ***New York and Federal Hazardous Waste Generators and Transporters:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System.

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.
- ***RCRIS corrective action activity (CORRACTS):*** waste facilities with RCRIS corrective action activity reported by the USEPA.

Quarter-Mile 

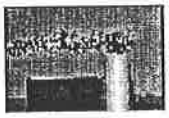
11) ***New York Chemical Bulk Storage Facilities:*** Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Quarter-Mile

12) ***New York Toxic Release Inventory Facilities:*** discharges of selected toxic chemicals to air, land, water or treatment facilities.

Quarter-Mile

13) ***Historic New York City Utility Sites (1890's to 1940's):*** power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Quarter-Mile 

14) ***Air Discharges:*** Air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Quarter-Mile

15) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Quarter-Mile

16) ***Federal Civil Enforcement Docket:*** civil judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

Property only

17) ***ERNS: Federal Emergency Response Notification System Spills:*** a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Computerized Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The computerized map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 17 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites By Direction*
- *Table Three:* *Identified Toxic Sites Ranked By Proximity*
- *Table Four:* *Identified Toxic Sites By Category*
- *Map One:* *One-Mile Radius Map*
- *Map Two:* *Half-Mile Radius Map*
- *Map Three:* *Quarter-Mile Radius Map*
- *Map Four:* *Quarter-Mile Radius Close up Map*

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NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

See Section 4.2 P.14-16

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site(s) Category Totals
NYS Inactive Hazardous Waste Disposal Sites *	0	0	0	[illegible]	[illegible]	6
CERCLIS Sites *	0	0	0	[illegible]	[illegible]	3
National Priority List Sites *	0	0	0	0	0	0
Hazardous Substance Waste Disposal Sites *	0	0	0	[illegible]	[illegible]	5
NYS Solid Waste Facilities *	0	0	[illegible]	4	[illegible]	14
NYS Major Oil Storage Facilities *	0	0	0	2	6	8
RCRA Hazardous Waste Treatment, Storage, Disposal Sites *	0	0	0	0	1	1
NYS Toxic Spills (incl. Leaking Undrgrnd Storage Tanks) **	13	20	32	75(39)	Not searched	140(39)
Local & State Petroleum Bulk Storage Sites ***	3	8	9	Not searched	Not searched	20
RCRA Hazardous Waste Generators & Transporters ***	2	8	9	Not searched	Not searched	19
NYS Chemical Bulk Storage Sites ***	0	0	2	Not searched	Not searched	2
Toxic Release Inventory Sites (TRI) ***	0	1	1	Not searched	Not searched	2
Historic Utility Facilities ***	0	0	0	Not searched	Not searched	0
Permit Compliance System Toxic Wastewater Discharges ***	0	0	0	Not searched	Not searched	0
NYS Air Discharges ***	6	6	9	Not searched	Not searched	21
Civil Enforcement Docket Facilities ***	0	0	1	Not searched	Not searched	1
ERNS (Onsite) *****	0	Not searched	Not searched	Not searched	Not searched	0
Distance Interval Totals	24	43	64	84(39)	27	242(39)

Search Radius: * 1 Mile Search Radius ** 1/2 Mile Search Radius *** 1/4 Mile Search Radius **** 1/8 Mile Search Radius ***** on-site only

Numbers in ( ) indicate spills not mapped and profiled, and are found in the tables at the end of the active and closed spills sections.
See these tables for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Category

Greenpoint Lumber Yard
Brooklyn, NY 11222

Compass directions can vary substantially for sites located very close to the subject property address.

CERCLIS/NYSDEC Inactive Hazardous Waste Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	3928 feet to the E
	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	3931 feet to the E
9	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	4639 feet to the ESE
10	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	4675 feet to the E

NYSDEC Inactive Hazardous Waste Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3	BROOKLYN NORTH 1 GARAGE	50 KENT AVENUE	3716 feet to the S
	CARBONA PRODUCTS	330 CALYER STREET	3866 feet to the ESE
	KENT TERMINAL	KENT AVE. BETWEEN N.5TH & N.11TH ST.	4037 feet to the S
[illegible]	AMTRAK SUNNYSIDE YARD	39-29 HONEYWELL STREET	4504 feet to the NE

CERCLIS Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3265 feet to the SSE
2	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3572 feet to the S

Hazardous Substance Waste Disposal Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
11	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3265 feet to the SSE
12	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3572 feet to the S
[illegible]	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	3931 feet to the E
[illegible]	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4031 feet to the E
[illegible]	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4650 feet to the ESE
16	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	4678 feet to the E

Solid Waste Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
17	DH FARNEY CONT. INC.		1267 feet to the N
18	MANHATTAN AVE. RECYCLING		1352 feet to the NE
[illegible]	ECONOMY CONTAINER SERVICE		1469 feet to the NE
[illegible]	MICHAEL FERRONE		2079 feet to the E
[illegible]	PRONTO DEMO. CORP		2492 feet to the E
22	PEREZ INTERBORO T.S.		2782 feet to the ENE
[illegible]	NEWTOWN CREEK DREDG SLF		2782 feet to the ENE
[illegible]	LOSTRITTO & CALANDRILLO		2918 feet to the SE
[illegible]	NYCDOS MTS @ GREENPOINT	NORTH HENRY STREET	3525 feet to the E
26	NORTH 12 STREET T.S.		3618 feet to the S
27	GREENPOINT INCINERATOR		3943 feet to the E
[illegible]	SUMMIT CARTING INC.		4671 feet to the E
[illegible]	NATIONAL PAPER STOCK CART		4767 feet to the SSE
30	NEKBOH RECYCLING INC.		4899 feet to the S

Major Oil Storage Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
[illegible]	DITMAS OIL-LONG ISLAND CITY	53-02 11TH ST.	2007 feet to the NE
32	MOTIVA ENTERPRISES, LLC	25 PAIDGE AVENUE	2135 feet to the ENE
[illegible]	DITMAS OIL-LONG ISLAND CITY	53-02 11TH ST.	2404 feet to the NE
[illegible]	EXXON COMPANY USA	320 FREEMAN STREET	2748 feet to the E
[illegible]	EXXON COMPANY USA	320 FREEMAN STREET	3037 feet to the E
36	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3113 feet to the SW
37	BAYSIDE FUEL OIL DEPOT CORP.	1 NORTH 12TH STREET	3137 feet to the S
[illegible]	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3462 feet to the SW
[illegible]	FORMER MOBIL GREENPOINT TERMINAL	403 GREENPOINT AVENUE	4225 feet to the E
40	METRO TERMINALS CORP.	498 KINGSLAND AVENUE	4370 feet to the E
41	MOBIL OIL CORPORATION BROOKLYN TERMINAL	300 NORTH HENRY STREET	4639 feet to the ESE

Hazardous Waste Treatment, Storage, Disposal Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
42	KOSAN INDUSTRIAL CORP	5-49 49TH AVENUE	3093 feet to the NNE

Active Tank Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
43	65 COMMERCIAL ST/BKLYN	65 COMMERCIAL STREET	201 feet to the NE
44	25 PAIDGE AVE/BKLYN/SHELL	25 PAIDGE AVENUE	2130 feet to the ENE

Active Tank Test Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
45	29 ASH ST	29 ASH ST	1540 feet to the NE
6	29 ASH ST/BKLYN/UNIVERSAL	29 ASH ST	1540 feet to the NE
7	52-00 2ND ST/QU'NS/NORVAL	52000 2ND ST	2186 feet to the NNE
48	SHIMENTO TRUCKING INC.	11 WEST STREET	2334 feet to the SSE
49	54 FRANKLIN ST/BKLYN	54 FRANKLIN ST	2565 feet to the SSE

Active Haz Spills (Unknown Causes & Other Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
50	MANHOLE 4273	FREEMAN ST & WEST ST	0 feet
51	MANHOLE 64829	FRANKLIN AVE/DUPONT AVE	2 feet to the NE*
52	MANHOLE 64829	FRANKLIN &DUPONT ST	2 feet to the NE*
53	MANHOLE #64829	FRANKLIN ST/OFF DUPONT	2 feet to the NE*
54	MANHOLE #64829	FRANKFORD ST & DUPONT ST	2 feet to the NE*
55	MANHOLE #64829	FRANKLIN AV & DUPONT ST	2 feet to the NE*
56	TM # 2792	55 FREEMAN ST	28 feet to the E*
57	TM 2792	55 FREEMAN ST	28 feet to the E*
58	TM2815	55 FREEMAN ST	28 feet to the E*
59	RESIDENCE	87 EAGLE STREET	188 feet to the ENE*
60	VAULT 852	10-20 CLAY ST	249 feet to the NE
61	VS 1106	2-20 CLAY ST	276 feet to the NE
62	V# 1109 & V# 852	20 CLAY ST	320 feet to the NE
63	MANHOLE 70407	I/F/I 20 CLAY ST	336 feet to the NE
64	VALUT 7059	INDIA ST/WEST ST	363 feet to the SSE
65	VAULT 5337	INDIA ST/ WEST ST	363 feet to the SSE
66	MANHOLE #4276	HURON ST / FRANKLIN ST	456 feet to the ESE
67	COMMERCIAL ST/BOX&CLAY ST	COMMERCIAL ST / BOX ST	716 feet to the NE
68		1079 MANHATTEN AVE	885 feet to the ENE
69	1071 MANHATTAN AVENUE	1071 MANHATTAN AVENUE	891 feet to the ENE
70	1109 MANHATTAN AVE	1109 MANHATTAN AVE	915 feet to the ENE
71	BTWN DUPONT & FREEDOM ST	MANHATTAN AV	927 feet to the ENE
72	MANHOLE #4294	MANHATEEN AV & BOX ST	1034 feet to the NE
73	MANHOLE AT BOX STREET AND	MANHATTAN AVE	1034 feet to the NE
74	MH 4285	MANHATTAN AVE/COMMERCIAL	1185 feet to the NE
75	NEW TOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE
76	TM 0647	HERON STREET/MANHATTAN AV	1293 feet to the E
77	TM #647	HURON ST/MANHATTEN AVE	1293 feet to the E
78	140 GREENPOINT AVE	140 GREENPOINT AVE	1621 feet to the SE
79		CLAY ST & MCGUINNES BL	1636 feet to the ENE
80	MANHOLE 19726	54TH AV WEST OF 2ND ST	1664 feet to the NNE
81	MANHOLE 19726	54TH AV / 2ND ST	1664 feet to the NNE
82	MANHOLE 19726	54TH AVE & 2ND ST	1664 feet to the NNE
83	TM 1081	NOBLE ST /W OF WEST ST	1679 feet to the SSE
84	MCGUINESS & BOX ST	MCGUINESS & BOX ST	1697 feet to the ENE
85	MANHOLE 4297	BOX ST & PAIDGE AVE	1714 feet to the ENE
86		137 MILTON ST	1784 feet to the SE
87	109 NOBLE ST/BROOKLYN	109 NOBLE STREET	1794 feet to the SE
88	MANHATTAN AND GREENPOINT	AVE MANHOLE-4327	1818 feet to the SE
89		MANHATTAN AV & GREENPOINT	1818 feet to the SE
90	VAULT 2772	45 WEST ST	1893 feet to the SSE
91	54-08 VERNON BLVD/QUEENS	54008 VERNON BLVD	1950 feet to the NE
92	PULASKI BRDG/SHELL TERMNL	NEWTOWN CREEK	1966 feet to the NE
93	MANHOLE #62845	MCGUINESS BLVE/INDIA ST	2041 feet to the E
94	MANHOLE 71304	MCGUINNESS BL/INDIA ST	2041 feet to the E
95	RZ METAL CORP	247 HURON ST	2078 feet to the E
96	NEW TOWN CREEK	PULASKI BR AND BUDWEISER	2082 feet to the NE
97	SHELL OIL CO	25 PAIDGE AV-WELS 15,16	2130 feet to the ENE
98	25 PAIDGE AVE/BKLYN	25 PAIDGE AVE	2130 feet to the ENE
99		53RD AVE/VERNON BLVD	2133 feet to the NE
100	MH #19726	2ND ST & BORDEN AVE	2193 feet to the NNE
101	QUEENS MIDTOWN TUNNEL	BORDEN & 2ND ST	2193 feet to the NNE
102	MCGUISNESS BL	BET JAVVA & KENT	2233 feet to the ESE
103	MCGUINNESS & 54 AVE.	MCGUINNESS & 54 AVE.	2332 feet to the NE
104	11 WEST STREET	11 WEST STREET	2334 feet to the SSE
105	NEWTOWN CREEK- PAIGE AVE	NEWTON CREEK -PAIGE AVE	2374 feet to the ENE
106	N E C / B N S	10-26 53RD AVE	2399 feet to the NE
107	MERIT GAS STATION	210 GREENPOINT AVE	2432 feet to the ESE
108	210 GREEN PT AVE.	210 GREEN PT AVE.	2432 feet to the ESE
109	AMERADA HESS	210 GREENPOINT AVE	2432 feet to the ESE
110	FORMER SHELL STATION	256 MCGUINNESS BLVD	2438 feet to the ESE

11	VAULT 5803	QUAY ST/WEST ST	2450 feet to the SSE
12	VS 5761	QUAY ST/ E OF WEST ST	2461 feet to the SSE
113	MANHOLE #5761	QUA STREET & FRANKLYN AV	2482 feet to the SSE

Active Haz Spills (Miscellaneous Spill Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
114	FRANKLIN STREET	HURON STREET	456 feet to the ESE
115	EAGLE ST & MANHATTAN AVE.	EAGLE ST / MANHATTAN AVE	927 feet to the ENE
116	EAGLE ST / MANHATTAN ST	EAGLE ST / MANH ST	927 feet to the ENE
117	VAULT #V4191	FREEMAN/MANHATTAN	999 feet to the E
118		535 54TH AVE	1822 feet to the NNE
119	PULASKI SERVICE STATION	321 MCGUINNESS BLVD	1852 feet to the E
120	OAK ST &FRANKLIN AV/BKLYN	OAK ST / FRANKLIN AVE	1969 feet to the SSE
121	502 BORDEN AVE/LIRR	502 BORDEN AVE	2245 feet to the NNE
122	LONG ISLAND CITY PASS YAR	5-01 BORDEN AV	2303 feet to the NNE
123	5TH ST & 51ST AVE	5TH ST & 51ST AVE	2526 feet to the NNE

Closed Status Tank Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
124	203 JAVA ST.	203 JAVA ST	2104 feet to the ESE

Closed Status Tank Test Failures

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
125	145 WEST STREET	145 WEST STREET	331 feet to the SSE
126	145 WEST STREET	145 WEST STREET	331 feet to the SSE
127	FINK BAKING	5-35 54TH AVE	1822 feet to the NNE
128	02-24 51ST AVE/	02-24 51ST AVE	2425 feet to the NNE

Closed Status Spills (Unknown Causes & Other Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
29	EAST RIVER	EAST RIVER- & GREEN ST	8 feet to the SW*
30	GREENPOINT DOCK	DUPONT STREET	21 feet to the NNW*
131	262 FRANKLIN ST/BKLYN	262 FRANKLIN STREET	98 feet to the ENE*
132	MANHOLE 7489	66 URON ST	191 feet to the SE*
133	HUXLEY ENVELOPE/WEST ST	HUXLEY ENVELOPE/WEST ST	331 feet to the SSE
34	STEVEN SUPPLY CO	15 CLAY ST	363 feet to the NE
35	15 CLAY ST	15 CLAY ST	363 feet to the NE
136	MANHOLE 7489	HURRON ST/FRANKLIN AVE	456 feet to the ESE
137	MANHOLE 4284	COMMERCIAL ST AND BOX ST	716 feet to the NE
38	SB 8622	111 JAVA ST	985 feet to the SE
39	SERVICE BOX 8463	210/212 FREEMAN AVENUE	999 feet to the E
140	118 JAVA STREET	118 JAVE STREET	1045 feet to the SE
141	MANHOLE #TM642	BOX ST E OF MANHATTAN AV	1177 feet to the NE
42	TRANSFORMER MANHOLE	MANHATTAN AVE &COMMERCIAL	1185 feet to the NE
43	MANHOLE 4285	MANHATTEN AV & COMERCIAL	1185 feet to the NE
144	MANHOLE #4285	MANHATTEN AV & COMM.ST.	1185 feet to the NE
145	MANHATTAN AVE & ASH ST	MANHATTAN AVE & ASH ST	1185 feet to the NE
146	NEWTOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE
47	1155-1205 MANHATTAN AVE	1155-1205 MANAHATTAN AVE	1275 feet to the NE
48	116 GREENPOINT AVE	116 GREENPOINT AVE	1450 feet to the SE
149	MCGUINESS BLVD/CLAY ST	MCGUINESS BLVD/CLAY ST	1636 feet to the ENE
150	NEWTOWN CREEK/MANH AVE	NEWTOWN CREEK/MANH AVE	1712 feet to the NE
51	FRANKLIN & NOBLE ST	FRANKLIN & NOBLE ST	1720 feet to the SSE
52	CON ED MANHOLE 4313	MC GUINNESS & HURON ST	1879 feet to the E
153	315 MCGUINESS BLVD	315 MCGUINESS BLVD	1900 feet to the E
154	BORDEN AVE/LIRR PASS YARD	BORDEN AVE/LIRR PASS YARD	2011 feet to the NNE
55	54TH AVA & VERNON BLVD	54TH AVE & VERNON BLVD	2026 feet to the NE
56	54 STREET/VERNON BLVD	54 STREET/VERNON BLVD	2026 feet to the NE
157	24 PAIGE AVENUE	24 PAIGE AVENUE	2056 feet to the ENE
158	217 INDIA STREET	217 INDIA STREET	2228 feet to the E
159	262 HURON ST	262 HURON ST	2287 feet to the E
60		266 MCGUINNESS BLVD	2308 feet to the ESE
61	10-26 53RD AVENUE	10-26 53RD AVENUE	2399 feet to the NE
162	GREENPOINT AVE	GREENPOINT AVENUE &	2414 feet to the ESE
163	GREEN ST & PROVOST/BKLYN	GREEN ST & PROVOST	2455 feet to the E
64	GASETERIA / QUEENS	GASETERIA 11TH & BORDEN	2593 feet to the NE

Closed Status Spills (Miscellaneous Spill Causes)

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
165	DUPONT ST/COMMERCIAL ST	DUPONT ST / COMMERCIAL ST	0 feet
66	77 COMMERCIAL STREET	77 COMMERCIAL ST	233 feet to the NE
167	COMMERCIAL ST	FRANKLIN ST	240 feet to the NE

68	FRANKLIN / HURON STREETS	FRANKLIN / HURON STREETS	456 feet to the ESE
69	182 FREEMAN ST/BKLYN	182 FREEMAN STREET	1120 feet to the E
170	166 EAGLE ST	166 EAGLE ST	1126 feet to the ENE
171		111 INDIA ST	1164 feet to the ESE
72	1155-1205 MANHATTAN AVE	1155-1205 MANHATTAN AVE	1275 feet to the NE
73	1205 MANHATTAN AVE	1205 MANHATTAN AVE.	1275 feet to the NE
174	1205 MANHATTAN AVE	1205 MANHATTAN AVE	1275 feet to the NE
175	1205 MANHATTAN AVE/BKLYN	1205 MANHATTAN AVENUE	1275 feet to the NE
176	MANH AVE/NEWTOWN CREEK	MANH AVE/NEWTOWN CREEK	1712 feet to the NE
77	LI PASSENGER YARD	LI PASSENGER YARD	2011 feet to the NNE
78	860 MANHATTAN AVE/BKLYN	860 MANHATTAN AVENUE	2127 feet to the SE
179	25 PAIDGE AVE/BKLYN	25 PAIDGE AVENUE	2130 feet to the ENE
180	LONG ISLAND CITY YARD	5-02 BORDEN AVENUE	2245 feet to the NNE
81	266 FREEMAN ST/BROOKLYN	266 FREEMAN STREET	2256 feet to the E
82	SHELL GAS STATION	KENT ST/MCGINESS BLVD	2281 feet to the ESE

Petroleum Bulk Storage Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
83	EAGLE STREEET ASSOC.	48 EAGLE STREET	21 feet to the ENE*
184	RIALTO PRODUCTS INC	61-65 GREEN STREET	75 feet to the ESE*
185	DEVEN LITHOGRAPHERS, INC.	15 HURON STREET	99 feet to the S*
186	223 FRANKLIN ST	223 FRANKLIN ST	183 feet to the ENE*
87	CROSSTOWN BUS DEPOT	65 COMMERCIAL ST	195 feet to the NE*
88	FORMER UNITED FEATHER & DOWN INC.	77 COMMERCIAL STREET	227 feet to the NE
189	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE
190	OSCAR'S SERVICE STATION INC	193 FRANKLIN ST	399 feet to the ESE
91	STS CYRIL & METHODIOS RC SCH	96 DUPONT ST	600 feet to the ENE
92	KENT TRANS AMERICA CLOTHING CO	122 WEST ST	616 feet to the SSE
193	65 JAVA STREET	65 JAVA STREET	643 feet to the SE
194	MICHAEL PISTILLI	85 JAVA ST	766 feet to the SE
195	74 INDIA	74 INDIA ST	785 feet to the ESE
96	129 HURON ST	129 HURON ST	906 feet to the ESE
197	GREENPOINT HOTEL	1109 MANHATTAN AVENUE	921 feet to the ENE
198	DUPONT ASSOC	127 DUPONT ST	992 feet to the ENE
199	MADIS GREENPOINT REALTY CO	96 WEST ST	1044 feet to the SSE
00	GUARD GENERAL MERCHANDISE CO	61 GREENPOINT AVE	1247 feet to the SE
01	GREENPOINT MANUFACTURING & DESIGN CENTER	1155-1205 MANHATTAN AVENUE	1265 feet to the NE
202	APARTMENT HOUSE	168 HURON STREET	1295 feet to the E

Hazardous Waste Generators, Transporters

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
203	NUHART COMPANY	49 DUPONT STREET	31 feet to the NE*
204	NU HART	49 DUPONT STREET	31 feet to the NE*
205	CON ED	7489 - 66 HURON ST	187 feet to the SE*
06	NEW YORK CITY TRANSIT AUTHORITY	65 COMMERCIAL AVENUE	195 feet to the NE*
07	LIQUIMARK	71 GREEN ST	205 feet to the ESE
208	HARTE & CO INC	77 COMMERCIAL ST	227 feet to the NE
209	PAT & DOMS BODY & FENDERREPAIR	246 FRANKLIN STREET	300 feet to the E
10	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE
11	INTERFLO TECHNOLOGIES	19 CLAY ST	401 feet to the NE
212	ELECTRICAL PRECISION METE	214 FRANKLIN ST	467 feet to the ESE
213	VANGUARD INCORPORATED	10 JAVA ST	760 feet to the SSE
14	KELLY CLEANERS	1036 MANHATTAN AVENUE	1059 feet to the E
15	PORT AUTHORITY NEW YORK/NEW JERSEY	HUNTERS PT 5500 2ND ST	1103 feet to the N
216	APHRODITE CLEANERS II	1019 MANHATTAN AVENUE	1152 feet to the E
217	NYNEX	GREEN ST & MANHATTAN	1169 feet to the E
218	CONSOLIDATED EDISON CO OF NY INC	FRANKLIN ST F/O 113	1233 feet to the SSE
19	NEW YORK CITY DEPT OF ENVIROMENTAL PROTECTION	1205 MANHATTAN AVENUE	1282 feet to the NE
20	MINERALS & METALS - M & R CORP	1205 MANHATTAN AVE	1282 feet to the NE
221	ANHEUSER BUSCH DISTRIBUTORS	55-01 SECOND STREET	1301 feet to the NNE

Chemical Bulk Storage Facilities

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
222	NEWTOWN CREEK WATER POLLUTION CONTROL PLANT	310 GREENPOINT AVENUE	909 feet to the WSW
223	MOTIVA ENTERPRISES LLC	25 PAIDGE AVENUE	1227 feet to the NE

Toxic Release Inventory Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
224	LIQUIMARK	19 CLAY ST.	409 feet to the NE
225	VANGUARD CORP	10 JAVA STREET	761 feet to the SSE

Air Discharge Sites

MAP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
226	COURIER PACKAGING	220 WEST STREET	0 feet
27	COURIER PACKAGING CO.ENTRANCE ON WEST ST	48 EAGLE STREET	35 feet to the ENE*
28	CONSOLIDATED LAUNDRIES IN	3248 EAGLE STREET	35 feet to the ENE*
229	NUHART COMPANY	49 DUPONT STREET	40 feet to the NE*
230	NUHART & COMPANY	49 DUPONT STREET	40 feet to the NE*
231	RIALTO PRODUCTS INC	61 GREEN STREET	74 feet to the ESE*
32	NYCTA CROSSTOWN ANNEX	65 COMMERCIAL STREET	206 feet to the NE
33	HARTE & CO INC	14 CLAY ST	267 feet to the NE
234	OSCAR SERVICE STATIO	193 FRANKLIN STREET	404 feet to the ESE
235	REDOUND INDUSTRIES, INC - INTERFLO TECH	19 CLAY STREET	409 feet to the NE
36	DISTINCTION IN WOODS LTD	106 GREEN ST	638 feet to the ESE
37	DISTINCTION IN WOODS LTD	106 GREEN STREET	638 feet to the ESE
238	METROPOLITAN PACKAGING MANUFAC	68 JAVA STREET	695 feet to the SE
239	VANGUARD DIVERSIFIED INC	10 JAVA ST	756 feet to the SSE
40	VANGUARD/DIV STACOR	10 JAVA ST	756 feet to the SSE
41	METROPOLITAN PACKAGING	67-73 KENT STREET	933 feet to the SSE
242	KELLY CLEANERS	1036 MANHATTAN AVENUE	1070 feet to the E
243	S & G INC.	1155 MANHATTAN AVE	1278 feet to the NE
244	DISTINCTION IN WOOD INC.	1155-1205 MANHATTAN AVENUE	1278 feet to the NE
45	ASBESTOS FREE INC	144 FRANKLIN ST	1281 feet to the SE
46	ASBESTOS FREE INC.	144 FRANKLIN ST.	1281 feet to the SE

Civil Enforcement Docket Sites

AP ID#	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
47	VANGUARD DIVERSIFIED INC	10 JAVA ST	764 feet to the S

Identified Toxic Sites by Direction

Greenpoint Lumber Yard
Brooklyn, NY 11222

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
50	MANHOLE 4273	FREEMAN ST & WEST ST	0 feet	Active Haz Spill (Unknown/Other Cause)
165	DUPONT ST/COMMERCIAL ST	DUPONT ST / COMMERCIAL ST	0 feet	Closed Status Spill (Misc. Spill Cause)
226	COURIER PACKAGING	220 WEST STREET	0 feet	Air Discharge Site
51	MANHOLE 64829	FRANKLIN AVE/DUPONT AVE	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
52	MANHOLE 64829	FRANKLIN &DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
53	MANHOLE #64829	FRANKLIN ST/OFF DUPONT	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
54	MANHOLE #64829	FRANKFORD ST & DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
55	MANHOLE #64829	FRANKLIN AV & DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
129	EAST RIVER	EAST RIVER- & GREEN ST	8 feet to the SW*	Closed Status Spill (Unk/Other Cause)
130	GREENPOINT DOCK	DUPONT STREET	21 feet to the NNW*	Closed Status Spill (Unk/Other Cause)
183	EAGLE STREEET ASSOC.	48 EAGLE STREET	21 feet to the ENE*	Petroleum Bulk Storage Site
56	TM # 2792	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
57	TM 2792	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
58	TM2815	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
203	NUHART COMPANY	49 DUPONT STREET	31 feet to the NE*	Hazardous Waste Generator/Transporter
204	NU HART	49 DUPONT STREET	31 feet to the NE*	Hazardous Waste Generator/Transporter
227	COURIER PACKAGING CO.ENTRANCE ON WEST ST	48 EAGLE STREET	35 feet to the ENE*	Air Discharge Site
228	CONSOLIDATED LAUNDRIES IN	3248 EAGLE STREET	35 feet to the ENE*	Air Discharge Site
229	NUHART COMPANY	49 DUPONT STREET	40 feet to the NE*	Air Discharge Site
230	NUHART & COMPANY	49 DUPONT STREET	40 feet to the NE*	Air Discharge Site
231	RIALTO PRODUCTS INC	61 GREEN STREET	74 feet to the ESE*	Air Discharge Site
184	RIALTO PRODUCTS INC	61-65 GREEN STREET	75 feet to the ESE*	Petroleum Bulk Storage Site
131	262 FRANKLIN ST/BKLYN	262 FRANKLIN STREET	98 feet to the ENE*	Closed Status Spill (Unk/Other Cause)
185	DEVEN LITHOGRAPHERS, INC.	15 HURON STREET	99 feet to the S*	Petroleum Bulk Storage Site

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
187	CROSSTOWN BUS DEPOT	65 COMMERCIAL ST	195 feet to the NE*	Petroleum Bulk Storage Site
206	NEW YORK CITY TRANSIT AUTHORITY	65 COMMERCIAL AVENUE	195 feet to the NE*	Hazardous Waste Generator/Transporter
43	65 COMMERCIAL ST/BKLYN	65 COMMERCIAL STREET	201 feet to the NE	Active Tank Failure
232	NYCTA CROSSTOWN ANNEX	65 COMMERCIAL STREET	206 feet to the NE	Air Discharge Site
188	FORMER UNITED FEATHER & DOWN INC.	77 COMMERCIAL STREET	227 feet to the NE	Petroleum Bulk Storage Site
208	HARTE & CO INC	77 COMMERCIAL ST	227 feet to the NE	Hazardous Waste Generator/Transporter
166	77 COMMERCIAL STREET	77 COMMERCIAL ST	233 feet to the NE	Closed Status Spill (Misc. Spill Cause)
167	COMMERCIAL ST	FRANKLIN ST	240 feet to the NE	Closed Status Spill (Misc. Spill Cause)
60	VAULT 852	10-20 CLAY ST	249 feet to the NE	Active Haz Spill (Unknown/Other Cause)
233	HARTE & CO INC	14 CLAY ST	267 feet to the NE	Air Discharge Site

61	VS 1108	2-20 CLAY ST	276 feet to the NE	Active Haz Spill (Unknown/Other Cause)
62	V# 1109 & V# 852	20 CLAY ST	320 feet to the NE	Active Haz Spill (Unknown/Other Cause)
63	MANHOLE 70407	I/F/I 20 CLAY ST	336 feet to the NE	Active Haz Spill (Unknown/Other Cause)
134	STEVEN SUPPLY CO	15 CLAY ST	363 feet to the NE	Closed Status Spill (Unk/Other Cause)
135	15 CLAY ST	15 CLAY ST	363 feet to the NE	Closed Status Spill (Unk/Other Cause)
211	INTERFLO TECHNOLOGIES	19 CLAY ST	401 feet to the NE	Hazardous Waste Generator/Transporter
224	LIQUIMARK	19 CLAY ST.	409 feet to the NE	Toxic Release Inventory Site
235	REDOUND INDUSTRIES, INC - INTERFLO TECH	19 CLAY STREET	409 feet to the NE	Air Discharge Site
186	223 FRANKLIN ST	223 FRANKLIN ST	183 feet to the ENE*	Petroleum Bulk Storage Site
59	RESIDENCE	87 EAGLE STREET	188 feet to the ENE*	Active Haz Spill (Unknown/Other Cause)
191	STS CYRIL & METHODIOS RC SCH	96 DUPONT ST	600 feet to the ENE	Petroleum Bulk Storage Site
209	PAT & DOMS BODY & FENDERREPAIR	246 FRANKLIN STREET	300 feet to the E	Hazardous Waste Generator/Transporter
207	LIQUIMARK	71 GREEN ST	205 feet to the ESE	Hazardous Waste Generator/Transporter
190	OSCAR'S SERVICE STATION INC	193 FRANKLIN ST	399 feet to the ESE	Petroleum Bulk Storage Site
234	OSCAR SERVICE STATIO	193 FRANKLIN STREET	404 feet to the ESE	Air Discharge Site
66	MANHOLE #4276	HURON ST / FRANKLIN ST	456 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
114	FRANKLIN STREET	HURON STREET	456 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
136	MANHOLE 7489	HURRON ST/FRANKLIN AVE	456 feet to the ESE	Closed Status Spill (Unk/Other Cause)
168	FRANKLIN / HURON STREETS	FRANKLIN / HURON STREETS	456 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
212	ELECTRICAL PRECISION METE	214 FRANKLIN ST	467 feet to the ESE	Hazardous Waste Generator/Transporter
236	DISTINCTION IN WOODS LTD	106 GREEN ST	638 feet to the ESE	Air Discharge Site
237	DISTINCTION IN WOODS LTD	106 GREEN STREET	638 feet to the ESE	Air Discharge Site
205	CON ED	7489 - 66 HURON ST	187 feet to the SE*	Hazardous Waste Generator/Transporter
132	MANHOLE 7489	66 URON ST	191 feet to the SE*	Closed Status Spill (Unk/Other Cause)
193	65 JAVA STREET	65 JAVA STREET	643 feet to the SE	Petroleum Bulk Storage Site
125	145 WEST STREET	145 WEST STREET	331 feet to the SSE	Closed Status Tank Test Failure
126	145 WEST STREET	145 WEST STREET	331 feet to the SSE	Closed Status Tank Test Failure
133	HUXLEY ENVELOPE/WEST ST	HUXLEY ENVELOPE/WEST ST	331 feet to the SSE	Closed Status Spill (Unk/Other Cause)
189	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE	Petroleum Bulk Storage Site
210	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE	Hazardous Waste Generator/Transporter
64	VALUT 7059	INDIA ST/WEST ST	363 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
65	VAULT 5337	INDIA ST/ WEST ST	363 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
192	KENT TRANS AMERICA CLOTHING CO	122 WEST ST	616 feet to the SSE	Petroleum Bulk Storage Site

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
215	PORT AUTHORITY NEW YORK/NEW JERSEY	HUNTERS PT 5500 2ND ST	1103 feet to the N	Hazardous Waste Generator/Transporter
17	DH FARNEY CONT. INC.		1267 feet to the N	Solid Waste Facility
221	ANHEUSER BUSCH DISTRIBUTORS	55-01 SECOND STREET	1301 feet to the NNE	Hazardous Waste Generator/Transporter
80	MANHOLE 19726	54TH AV WEST OF 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
81	MANHOLE 19726	54TH AV / 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
82	MANHOLE 19726	54TH AVE & 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)

127	FINK BAKING	535 [illegible] AVE	1822 feet to the NNE	Closed Status Tank Test Failure
154	BORDEN AVE/LIRR PASS YARD	5-35 54TH AVE	2011 feet to the NNE	Closed Status Spill (Unk/Other Cause)
177	LI PASSENGER YARD	BORDEN AVE/LIRR PASS YARD	2011 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
47	52-00 2ND ST/QU'NS/NORVAL	LI PASSENGER YARD	2186 feet to the NNE	Active Tank Test Failure
100	MH #19726	52000 2ND ST	2193 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
101	QUEENS MIDTOWN TUNNEL	2ND ST & BORDEN AVE	2193 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
121	502 BORDEN AVE/LIRR	BORDEN & 2ND ST	2245 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
180	LONG ISLAND CITY YARD	502 BORDEN AVE	2245 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
122	LONG ISLAND CITY PASS YAR	5-02 BORDEN AVENUE	2303 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
128	02-24 51ST AVE/	5-01 BORDEN AV	2425 feet to the NNE	Closed Status Tank Test Failure
123	5TH ST & 51ST AVE	02-24 51ST AVE	2526 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
42	KOSAN INDUSTRIAL CORP	5TH ST & 51ST AVE	3093 feet to the NNE	Hazardous Waste Treat, Storage, Disposal
		5-49 49TH AVENUE		
67	COMMERCIAL ST/BOX&CLAY ST	COMMERCIAL ST / BOX ST	716 feet to the NE	Active Haz Spill (Unknown/Other Cause)
137	MANHOLE 4284	COMMERCIAL ST AND BOX ST	716 feet to the NE	Closed Status Spill (Unk/Other Cause)
72	MANHOLE #4294	MANHATEEN AV & BOX ST	1034 feet to the NE	Active Haz Spill (Unknown/Other Cause)
73	MANHOLE AT BOX STREET AND	MANHATTAN AVE	1034 feet to the NE	Active Haz Spill (Unknown/Other Cause)
141	MANHOLE #TM642	BOX ST E OF MANHATTAN AV	1177 feet to the NE	Closed Status Spill (Unk/Other Cause)
74	MH 4285	MANHATTAN AVE/COMMERCIAL	1185 feet to the NE	Active Haz Spill (Unknown/Other Cause)
142	TRANSFORMER MANHOLE	MANHATTAN AVE &COMMERCIAL	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
143	MANHOLE 4285	MANHATTEN AV & COMERCIAL	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
144	MANHOLE #4285	MANHATTEN AV & COMM.ST.	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
145	MANHATTAN AVE & ASH ST	MANHATTAN AVE & ASH ST	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
223	MOTIVA ENTERPRISES LLC	25 PAIDGE AVENUE	1227 feet to the NE	Chemical Bulk Storage Facility
201	GREENPOINT MANUFACTURING & DESIGN CENTER	1155-1205 MANHATTAN AVENUE	1265 feet to the NE	Petroleum Bulk Storage Site
75	NEW TOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE	Active Haz Spill (Unknown/Other Cause)
146	NEWTOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Unk/Other Cause)
147	1155-1205 MANHATTAN AVE	1155-1205 MANAHATTAN AVE	1275 feet to the NE	Closed Status Spill (Unk/Other Cause)
172	1155-1205 MANHATTAN AVE	1155-1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
173	1205 MANHATTAN AVE	1205 MANHATTAN AVE.	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
174	1205 MANHATTAN AVE	1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
175	1205 MANHATTAN AVE/BKLYN	1205 MANHATTAN AVENUE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
243	S & G INC.	1155 MANHATTAN AVE	1278 feet to the NE	Air Discharge Site
244	DISTINCTION IN WOOD INC.	1155-1205 MANHATTAN AVENUE	1278 feet to the NE	Air Discharge Site
219	NEW YORK CITY DEPT OF ENVIROMENTAL PROTE	CTION 1205 MANHATTAN AVENUE	1282 feet to the NE	Hazardous Waste Generator/Transporter
220	MINERALS & METALS - M & R CORP	1205 MANHATTAN AVE	1282 feet to the NE	Hazardous Waste Generator/Transporter
18	MANHATTAN AVE. RECYCLING		1352 feet to the NE	Solid Waste Facility
19	ECONOMY CONTAINER SERVICE		1469 feet to the NE	Solid Waste Facility
45	29 ASH ST	29 ASH ST	1540 feet to the NE	Active Tank Test Failure
46	29 ASH ST/BKLYN/UNIVERSAL	29 ASH ST	1540 feet to the NE	Active Tank Test Failure
150	NEWTOWN CREEK/MANH AVE	NEWTOWN CREEK/MANH AVE	1712 feet to the NE	Closed Status Spill (Unk/Other Cause)
176	MANH AVE/NEWTOWN CREEK	MANH AVE/NEWTOWN CREEK	1712 feet to the NE	Closed Status Spill (Misc. Spill Cause)
91	54-08 VERNON BLVD/QUEENS	54008 VERNON BLVD	1950 feet to the NE	Active Haz Spill (Unknown/Other Cause)
92	PULASKI BRDG/SHELL TERMNL	NEWTOWN CREEK	1966 feet to the NE	Active Haz Spill (Unknown/Other Cause)
31	DITMAS OIL-LONG ISLAND CITY	53-02 11TH ST.	2007 feet to the NE	Major Oil Storage Facility
155	54TH AVA & VERNON BLVD	54TH AVE & VERNON BLVD	2026 feet to the NE	Closed Status Spill (Unk/Other Cause)
156	54 STREET/VERNON BLVD	54 STREET/VERNON BLVD	2026 feet to the NE	Closed Status Spill (Unk/Other Cause)
96	NEW TOWN CREEK	PULASKI BR AND BUDWEISER	2082 feet to the NE	Active Haz Spill (Unknown/Other Cause)
99		53RD AVE/VERNON BLVD	2133 feet to the NE	Active Haz Spill (Unknown/Other Cause)
103	MCGUINNESS & 54 AVE.	MCGUINNESS & 54 AVE.	2332 feet to the NE	Active Haz Spill (Unknown/Other Cause)
106	N E C / B N S	10-26 53RD AVE	2399 feet to the NE	Active Haz Spill (Unknown/Other Cause)
161	10-26 53RD AVENUE	10-26 53RD AVENUE	2399 feet to the NE	Closed Status Spill (Unk/Other Cause)

55	DITMAS OIL-LONG ISLAND CITY	53-[illegible] TH S[illegible]	[illegible]04 feet to the NE	Major Oil Storage Facility
164	GASETERIA / QUEENS	GASETERIA 11TH & BORDEN	2593 feet to the NE	Closed Status Spill (Unk/Other Cause)
8	AMTRAK SUNNYSIDE YARD	39-29 HONEYWELL STREET	4504 feet to the NE	NYSDEC Inactive Haz Waste Site
68		1079 MANHATTEN AVE	885 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
69	1071 MANHATTAN AVENUE	1071 MANHATTAN AVENUE	891 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
70	1109 MANHATTAN AVE	1109 MANHATTAN AVE	915 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
197	GREENPOINT HOTEL	1109 MANHATTAN AVENUE	921 feet to the ENE	Petroleum Bulk Storage Site
71	BTWN DUPONT & FREEDOM ST	MANHATTAN AV	927 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
115	EAGLE ST & MANHATTAN AVE.	EAGLE ST / MANHATTAN AVE	927 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
116	EAGLE ST / MANHATTAN ST	EAGLE ST / MANH ST	927 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
198	DUPONT ASSOC	127 DUPONT ST	992 feet to the ENE	Petroleum Bulk Storage Site
170	166 EAGLE ST	166 EAGLE ST	1126 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
79		CLAY ST & MCGUINNES BL	1636 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
149	MCGUINESS BLVD/CLAY ST	MCGUINESS BLVD/CLAY ST	1636 feet to the ENE	Closed Status Spill (Unk/Other Cause)
84	MCGUINESS & BOX ST	MCGUINESS & BOX ST	1697 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
85	MANHOLE 4297	BOX ST & PAIDGE AVE	1714 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
157	24 PAIGE AVENUE	24 PAIGE AVENUE	2056 feet to the ENE	Closed Status Spill (Unk/Other Cause)
44	25 PAIDGE AVE/BKLYN/SHELL	25 PAIDGE AVENUE	2130 feet to the ENE	Active Tank Failure
97	SHELL OIL CO	25 PAIDGE AV-WELS 15,16	2130 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
98	25 PAIDGE AVE/BKLYN	25 PAIDGE AVE	2130 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
179	25 PAIDGE AVE/BKLYN	25 PAIDGE AVENUE	2130 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
32	MOTIVA ENTERPRISES, LLC	25 PAIDGE AVENUE	2135 feet to the ENE	Major Oil Storage Facility
105	NEWTOWN CREEK- PAIGE AVE	NEWTON CREEK -PAIGE AVE	2374 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
22	PEREZ INTERBORO T.S.		2782 feet to the ENE	Solid Waste Facility
23	NEWTOWN CREEK DREDG SLF		2782 feet to the ENE	Solid Waste Facility
117	VAULT #V4191	FREEMAN/MANHATTAN	999 feet to the E	Active Haz Spill (Misc. Spill Cause)
139	SERVICE BOX 8463	210/212 FREEMAN AVENUE	999 feet to the E	Closed Status Spill (Unk/Other Cause)
214	KELLY CLEANERS	1036 MANHATTAN AVENUE	1059 feet to the E	Hazardous Waste Generator/Transporter
242	KELLY CLEANERS	1036 MANHATTAN AVENUE	1070 feet to the E	Air Discharge Site
169	182 FREEMAN ST/BKLYN	182 FREEMAN STREET	1120 feet to the E	Closed Status Spill (Misc. Spill Cause)
216	APHRODITE CLEANERS II	1019 MANHATTAN AVENUE	1152 feet to the E	Hazardous Waste Generator/Transporter
217	NYNEX	GREEN ST & MANHATTAN	1169 feet to the E	Hazardous Waste Generator/Transporter
76	TM 0647	HERON STREET/MANHATTAN AV	1293 feet to the E	Active Haz Spill (Unknown/Other Cause)
77	TM #647	HURON ST/MANHATTEN AVE	1293 feet to the E	Active Haz Spill (Unknown/Other Cause)
202	APARTMENT HOUSE	168 HURON STREET	1295 feet to the E	Petroleum Bulk Storage Site
119	PULASKI SERVICE STATION	321 MCGUINNESS BLVD	1852 feet to the E	Active Haz Spill (Misc. Spill Cause)
152	CON ED MANHOLE 4313	MC GUINNESS & HURON ST	1879 feet to the E	Closed Status Spill (Unk/Other Cause)
153	315 MCGUINESS BLVD	315 MCGUINESS BLVD	1900 feet to the E	Closed Status Spill (Unk/Other Cause)
93	MANHOLE #62845	MCGUINESS BLVE/INDIA ST	2041 feet to the E	Active Haz Spill (Unknown/Other Cause)
94	MANHOLE 71304	MCGUINNESS BL/INDIA ST	2041 feet to the E	Active Haz Spill (Unknown/Other Cause)
95	RZ METAL CORP	247 HURON ST	2078 feet to the E	Active Haz Spill (Unknown/Other Cause)
20	MICHAEL FERRONE		2079 feet to the E	Solid Waste Facility
158	217 INDIA STREET	217 INDIA STREET	2228 feet to the E	Closed Status Spill (Unk/Other Cause)
181	266 FREEMAN ST/BROOKLYN	266 FREEMAN STREET	2256 feet to the E	Closed Status Spill (Misc. Spill Cause)
159	262 HURON ST	262 HURON ST	2287 feet to the E	Closed Status Spill (Unk/Other Cause)
163	GREEN ST & PROVOST/BKLYN	GREEN ST & PROVOST	2455 feet to the E	Closed Status Spill (Unk/Other Cause)
21	PRONTO DEMO. CORP		2492 feet to the E	Solid Waste Facility
34	EXXON COMPANY USA	320 FREEMAN STREET	2748 feet to the E	Major Oil Storage Facility
35	EXXON COMPANY USA	320 FREEMAN STREET	3037 feet to the E	Major Oil Storage Facility
25	NYCDOS MTS @ GREENPOINT	NORTH HENRY STREET	3525 feet to the E	Solid Waste Facility
5	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	3928 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site

6	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	3931 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
13	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	3931 feet to the E	Hazardous Substance Waste Disposal Site
27	GREENPOINT INCINERATOR		3943 feet to the E	Solid Waste Facility
14	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4031 feet to the E	Hazardous Substance Waste Disposal Site
39	FORMER MOBIL GREENPOINT TERMINAL	403 GREENPOINT AVENUE	4225 feet to the E	Major Oil Storage Facility
40	METRO TERMINALS CORP.	498 KINGSLAND AVENUE	4370 feet to the E	Major Oil Storage Facility
28	SUMMIT CARTING INC.		4671 feet to the E	Solid Waste Facility
10	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	4675 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
16	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	4678 feet to the E	Hazardous Substance Waste Disposal Site
195	74 INDIA	74 INDIA ST	785 feet to the ESE	Petroleum Bulk Storage Site
196	129 HURON ST	129 HURON ST	906 feet to the ESE	Petroleum Bulk Storage Site
171		111 INDIA ST	1164 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
124	203 JAVA ST.	203 JAVA ST	2104 feet to the ESE	Closed Status Tank Failure
102	MCGUISNESS BL	BET JAVVA & KENT	2233 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
182	SHELL GAS STATION	KENT ST/MCGINESS BLVD	2281 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
160		266 MCGUINNESS BLVD	2308 feet to the ESE	Closed Status Spill (Unk/Other Cause)
162	GREENPOINT AVE	GREENPOINT AVENUE &	2414 feet to the ESE	Closed Status Spill (Unk/Other Cause)
107	MERIT GAS STATION	210 GREENPOINT AVE	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
108	210 GREEN PT AVE.	210 GREEN PT AVE.	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
109	AMERADA HESS	210 GREENPOINT AVE	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
110	FORMER SHELL STATION	256 MCGUINNESS BLVD	2438 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
4	CARBONA PRODUCTS	330 CALYER STREET	3866 feet to the ESE	NYSDEC Inactive Haz Waste Site
9	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	4639 feet to the ESE	CERCLIS/NYSDEC Inactive Haz Waste Site
41	MOBIL OIL CORPORATION BROOKLYN TERMINAL	300 NORTH HENRY STREET	4639 feet to the ESE	Major Oil Storage Facility
15	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4650 feet to the ESE	Hazardous Substance Waste Disposal Site
238	METROPOLITAN PACKAGING MANUFAC	68 JAVA STREET	695 feet to the SE	Air Discharge Site
194	MICHAEL PISTILLI	85 JAVA ST	766 feet to the SE	Petroleum Bulk Storage Site
138	SB 8622	111 JAVA ST	985 feet to the SE	Closed Status Spill (Unk/Other Cause)
140	118 JAVA STREET	118 JAVE STREET	1045 feet to the SE	Closed Status Spill (Unk/Other Cause)
200	GUARD GENERAL MERCHANDISE CO	61 GREENPOINT AVE	1247 feet to the SE	Petroleum Bulk Storage Site
245	ASBESTOS FREE INC	144 FRANKLIN ST	1281 feet to the SE	Air Discharge Site
246	ASBESTOS FREE INC.	144 FRANKLIN ST.	1281 feet to the SE	Air Discharge Site
148	116 GREENPOINT AVE	116 GREENPOINT AVE	1450 feet to the SE	Closed Status Spill (Unk/Other Cause)
78	140 GREENPOINT AVE	140 GREENPOINT AVE	1621 feet to the SE	Active Haz Spill (Unknown/Other Cause)
86		137 MILTON ST	1784 feet to the SE	Active Haz Spill (Unknown/Other Cause)
87	109 NOBLE ST/BROOKLYN	109 NOBLE STREET	1794 feet to the SE	Active Haz Spill (Unknown/Other Cause)
88	MANHATTAN AND GREENPOINT	AVE MANHOLE-4327	1818 feet to the SE	Active Haz Spill (Unknown/Other Cause)
89		MANHATTAN AV & GREENPOINT	1818 feet to the SE	Active Haz Spill (Unknown/Other Cause)
178	860 MANHATTAN AVE/BKLYN	860 MANHATTAN AVENUE	2127 feet to the SE	Closed Status Spill (Misc. Spill Cause)
24	LOSTRITTO & CALANDRILLO		2918 feet to the SE	Solid Waste Facility
239	VANGUARD DIVERSIFIED INC	10 JAVA ST	756 feet to the SSE	Air Discharge Site
240	VANGUARD/DIV STACOR	10 JAVA ST	756 feet to the SSE	Air Discharge Site
213	VANGUARD INCORPORATED	10 JAVA ST	760 feet to the SSE	Hazardous Waste Generator/Transporter
225	VANGUARD CORP	10 JAVA STREET	761 feet to the SSE	Toxic Release Inventory Site
241	METROPOLITAN PACKAGING	67-73 KENT STREET	933 feet to the SSE	Air Discharge Site
199	MADIS GREENPOINT REALTY CO	96 WEST ST	1044 feet to the SSE	Petroleum Bulk Storage Site
218	CONSOLIDATED EDISON CO OF NY INC	FRANKLIN ST F/O 113	1233 feet to the SSE	Hazardous Waste Generator/Transporter
83	TM 1081	NOBLE ST /W OF WEST ST	1679 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
151	FRANKLIN & NOBLE ST	FRANKLIN & NOBLE ST	1720 feet to the SSE	Closed Status Spill (Unk/Other Cause)
90	VAULT 2772	45 WEST ST	1893 feet to the SSE	Active Haz Spill (Unknown/Other Cause)

	OAI :FRA AV/E I	OA / FRA N AVI	..069 fe ... ..e SS_	Active . ..z Spill (..... Spill C.....)
48	SHIMENTO TRUCKING INC.	11 WEST STREET	2334 feet to the SSE	Active Tank Test Failure
104	11 WEST STREET	11 WEST STREET	2334 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
111	VAULT 5803	QUAY ST/WEST ST	2450 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
112	VS 5761	QUAY ST/ E OF WEST ST	2461 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
113	MANHOLE #5761	QUA STREET & FRANKLYN AV	2482 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
49	54 FRANKLIN ST/BKLYN	54 FRANKLIN ST	2565 feet to the SSE	Active Tank Test Failure
1	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3265 feet to the SSE	CERCLIS Site
11	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3265 feet to the SSE	Hazardous Substance Waste Disposal Site
29	NATIONAL PAPER STOCK CART		4767 feet to the SSE	Solid Waste Facility
247	VANGUARD DIVERSIFIED INC	10 JAVA ST	764 feet to the S	Civil Enforcement Docket Site
37	BAYSIDE FUEL OIL DEPOT CORP.	1 NORTH 12TH STREET	3137 feet to the S	Major Oil Storage Facility
2	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3572 feet to the S	CERCLIS Site
12	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3572 feet to the S	Hazardous Substance Waste Disposal Site
26	NORTH 12 STREET T.S.		3618 feet to the S	Solid Waste Facility
3	BROOKLYN NORTH 1 GARAGE	50 KENT AVENUE	3716 feet to the S	NYSDEC Inactive Haz Waste Site
7	KENT TERMINAL	KENT AVE. BETWEEN N.5TH & N.11TH ST.	4037 feet to the S	NYSDEC Inactive Haz Waste Site
30	NEKBOH RECYCLING INC.		4899 feet to the S	Solid Waste Facility
36	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3113 feet to the SW	Major Oil Storage Facility
38	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3462 feet to the SW	Major Oil Storage Facility
222	NEWTOWN CREEK WATER POLLUTION CONTROL PLANT	301 GREENPOINT AVENUE	909 feet to the WSW	Chemical Bulk Storage Facility

Ide...fied Toxic Sites by Proximity

Greenpoint Lumber Yard, Brooklyn, NY 11222

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
50	MANHOLE 4273	FREEMAN ST & WEST ST	0 feet	Active Haz Spill (Unknown/Other Cause)
165	DUPONT ST/COMMERCIAL ST	DUPONT ST / COMMERCIAL ST	0 feet	Closed Status Spill (Misc. Spill Cause)
226	COURIER PACKAGING	220 WEST STREET	0 feet	Air Discharge Site
51	MANHOLE 64829	FRANKLIN AVE/DUPONT AVE	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
52	MANHOLE 64829	FRANKLIN &DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
53	MANHOLE #64829	FRANKLIN ST/OFF DUPONT	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
54	MANHOLE #64829	FRANKFORD ST & DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
55	MANHOLE #64829	FRANKLIN AV & DUPONT ST	2 feet to the NE*	Active Haz Spill (Unknown/Other Cause)
129	EAST RIVER	EAST RIVER- & GREEN ST	8 feet to the SW*	Closed Status Spill (Unk/Other Cause)
130	GREENPOINT DOCK	DUPONT STREET	21 feet to the NNW*	Closed Status Spill (Unk/Other Cause)
183	EAGLE STREEET ASSOC.	48 EAGLE STREET	21 feet to the ENE*	Petroleum Bulk Storage Site
56	TM # 2792	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
57	TM 2792	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
58	TM2815	55 FREEMAN ST	28 feet to the E*	Active Haz Spill (Unknown/Other Cause)
203	NUHART COMPANY	49 DUPONT STREET	31 feet to the NE*	Hazardous Waste Generator/Transporter
204	NU HART	49 DUPONT STREET	31 feet to the NE*	Hazardous Waste Generator/Transporter
227	COURIER PACKAGING CO.ENTRANCE ON WEST ST	48 EAGLE STREET	35 feet to the ENE*	Air Discharge Site
228	CONSOLIDATED LAUNDRIES IN	3248 EAGLE STREET	35 feet to the ENE*	Air Discharge Site
229	NUHART COMPANY	49 DUPONT STREET	40 feet to the NE*	Air Discharge Site
230	NUHART & COMPANY	49 DUPONT STREET	40 feet to the NE*	Air Discharge Site
231	RIALTO PRODUCTS INC	61 GREEN STREET	74 feet to the ESE*	Air Discharge Site
184	RIALTO PRODUCTS INC	61-65 GREEN STREET	75 feet to the ESE*	Petroleum Bulk Storage Site
131	262 FRANKLIN ST/BKLYN	262 FRANKLIN STREET	98 feet to the ENE*	Closed Status Spill (Unk/Other Cause)
185	DEVEN LITHOGRAPHERS, INC.	15 HURON STREET	99 feet to the S*	Petroleum Bulk Storage Site
186	223 FRANKLIN ST	223 FRANKLIN ST	183 feet to the ENE*	Petroleum Bulk Storage Site
205	CON ED	7489 - 66 HURON ST	187 feet to the SE*	Hazardous Waste Generator/Transporter
59	RESIDENCE	87 EAGLE STREET	188 feet to the ENE*	Active Haz Spill (Unknown/Other Cause)
132	MANHOLE 7489	66 URON ST	191 feet to the SE*	Closed Status Spill (Unk/Other Cause)
187	CROSSTOWN BUS DEPOT	65 COMMERCIAL ST	195 feet to the NE*	Petroleum Bulk Storage Site
206	NEW YORK CITY TRANSIT AUTHORITY	65 COMMERCIAL AVENUE	195 feet to the NE*	Hazardous Waste Generator/Transporter
43	65 COMMERCIAL ST/BKLYN	65 COMMERCIAL STREET	201 feet to the NE	Active Tank Failure
207	LIQUIMARK	71 GREEN ST	205 feet to the ESE	Hazardous Waste Generator/Transporter
232	NYCTA CROSSTOWN ANNEX	65 COMMERCIAL STREET	206 feet to the NE	Air Discharge Site
188	FORMER UNITED FEATHER & DOWN INC.	77 COMMERCIAL STREET	227 feet to the NE	Petroleum Bulk Storage Site
208	HARTE & CO INC	77 COMMERCIAL ST	227 feet to the NE	Hazardous Waste Generator/Transporter
166	77 COMMERCIAL STREET	77 COMMERCIAL ST	233 feet to the NE	Closed Status Spill (Misc. Spill Cause)
167	COMMERCIAL ST	FRANKLIN ST	240 feet to the NE	Closed Status Spill (Misc. Spill Cause)
60	VAULT 852	10-20 CLAY ST	249 feet to the NE	Active Haz Spill (Unknown/Other Cause)
233	HARTE & CO INC	14 CLAY ST	267 feet to the NE	Air Discharge Site
61	VS 1106	2-20 CLAY ST	276 feet to the NE	Active Haz Spill (Unknown/Other Cause)
209	PAT & DOMS BODY & FENDERREPAIR	246 FRANKLIN STREET	300 feet to the E	Hazardous Waste Generator/Transporter
62	V# 1109 & V# 852	20 CLAY ST	320 feet to the NE	Active Haz Spill (Unknown/Other Cause)
125	145 WEST STREET	145 WEST STREET	331 feet to the SSE	Closed Status Tank Test Failure
126	145 WEST STREET	145 WEST STREET	331 feet to the SSE	Closed Status Tank Test Failure
133	HUXLEY ENVELOPE/WEST ST	HUXLEY ENVELOPE/WEST ST	331 feet to the SSE	Closed Status Spill (Unk/Other Cause)

189	HUXLEY ENVELOPE CORPORATION	1[illegible] WEST STREET	332 feet to the SSE	Petroleum Bulk Storage Site
210	HUXLEY ENVELOPE CORPORATION	145 WEST STREET	332 feet to the SSE	Hazardous Waste Generator/Transporter
63	MANHOLE 70407	I/F/I 20 CLAY ST	336 feet to the NE	Active Haz Spill (Unknown/Other Cause)
64	VALUT 7059	INDIA ST/WEST ST	363 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
65	VAULT 5337	INDIA ST/ WEST ST	363 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
134	STEVEN SUPPLY CO	15 CLAY ST	363 feet to the NE	Closed Status Spill (Unk/Other Cause)
135	15 CLAY ST	15 CLAY ST	363 feet to the NE	Closed Status Spill (Unk/Other Cause)
190	OSCAR'S SERVICE STATION INC	193 FRANKLIN ST	399 feet to the ESE	Petroleum Bulk Storage Site
211	INTERFLO TECHNOLOGIES	19 CLAY ST	401 feet to the NE	Hazardous Waste Generator/Transporter
234	OSCAR SERVICE STATIO	193 FRANKLIN STREET	404 feet to the ESE	Air Discharge Site
224	LIQUIMARK	19 CLAY ST.	409 feet to the NE	Toxic Release Inventory Site
235	REDOUND INDUSTRIES, INC - INTERFLO TECH	19 CLAY STREET	409 feet to the NE	Air Discharge Site
66	MANHOLE #4276	HURON ST / FRANKLIN ST	456 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
114	FRANKLIN STREET	HURON STREET	456 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
136	MANHOLE 7489	HURRON ST/FRANKLIN AVE	456 feet to the ESE	Closed Status Spill (Unk/Other Cause)
168	FRANKLIN / HURON STREETS	FRANKLIN / HURON STREETS	456 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
212	ELECTRICAL PRECISION METE	214 FRANKLIN ST	467 feet to the ESE	Hazardous Waste Generator/Transporter
191	STS CYRIL & METHODIOS RC SCH	96 DUPONT ST	600 feet to the ENE	Petroleum Bulk Storage Site
192	KENT TRANS AMERICA CLOTHING CO	122 WEST ST	616 feet to the SSE	Petroleum Bulk Storage Site
236	DISTINCTION IN WOODS LTD	106 GREEN ST	638 feet to the ESE	Air Discharge Site
237	DISTINCTION IN WOODS LTD	106 GREEN STREET	638 feet to the ESE	Air Discharge Site
193	65 JAVA STREET	65 JAVA STREET	643 feet to the SE	Petroleum Bulk Storage Site
238	METROPOLITAN PACKAGING MANUFAC	68 JAVA STREET	695 feet to the SE	Air Discharge Site
67	COMMERCIAL ST/BOX&CLAY ST	COMMERCIAL ST / BOX ST	716 feet to the NE	Active Haz Spill (Unknown/Other Cause)
137	MANHOLE 4284	COMMERCIAL ST AND BOX ST	716 feet to the NE	Closed Status Spill (Unk/Other Cause)
239	VANGUARD DIVERSIFIED INC	10 JAVA ST	756 feet to the SSE	Air Discharge Site
240	VANGUARD/DIV STACOR	10 JAVA ST	756 feet to the SSE	Air Discharge Site
213	VANGUARD INCORPORATED	10 JAVA ST	760 feet to the SSE	Hazardous Waste Generator/Transporter
225	VANGUARD CORP	10 JAVA STREET	761 feet to the SSE	Toxic Release Inventory Site
247	VANGUARD DIVERSIFIED INC	10 JAVA ST	764 feet to the S	Civil Enforcement Docket Site
194	MICHAEL PISTILLI	85 JAVA ST	766 feet to the SE	Petroleum Bulk Storage Site
195	74 INDIA	74 INDIA ST	785 feet to the ESE	Petroleum Bulk Storage Site
68		1079 MANHATTEN AVE	885 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
69	1071 MANHATTAN AVENUE	1071 MANHATTAN AVENUE	891 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
196	129 HURON ST	129 HURON ST	906 feet to the ESE	Petroleum Bulk Storage Site
222	NEWTOWN CREEK WATER POLLUTION CONTROL PLANT	301 GREENPOINT AVENUE	909 feet to the WSW	Chemical Bulk Storage Facility
70	1109 MANHATTAN AVE	1109 MANHATTAN AVE	915 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
197	GREENPOINT HOTEL	1109 MANHATTAN AVENUE	921 feet to the ENE	Petroleum Bulk Storage Site
71	BTWN DUPONT & FREEDOM ST	MANHATTAN AV	927 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
115	EAGLE ST & MANHATTAN AVE.	EAGLE ST / MANHATTAN AVE	927 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
116	EAGLE ST / MANHATTAN ST	EAGLE ST / MANH ST	927 feet to the ENE	Active Haz Spill (Misc. Spill Cause)
241	METROPOLITAN PACKAGING	67-73 KENT STREET	933 feet to the SSE	Air Discharge Site
138	SB 8622	111 JAVA ST	985 feet to the SE	Closed Status Spill (Unk/Other Cause)
198	DUPONT ASSOC	127 DUPONT ST	992 feet to the ENE	Petroleum Bulk Storage Site
117	VAULT #V4191	FREEMAN/MANHATTAN	999 feet to the E	Active Haz Spill (Misc. Spill Cause)
139	SERVICE BOX 8463	210/212 FREEMAN AVENUE	999 feet to the E	Closed Status Spill (Unk/Other Cause)
72	MANHOLE #4294	MANHATEEN AV & BOX ST	1034 feet to the NE	Active Haz Spill (Unknown/Other Cause)
73	MANHOLE AT BOX STREET AND	MANHATTAN AVE	1034 feet to the NE	Active Haz Spill (Unknown/Other Cause)
199	MADIS GREENPOINT REALTY CO	96 WEST ST	1044 feet to the SSE	Petroleum Bulk Storage Site
140	118 JAVA STREET	118 JAVE STREET	1045 feet to the SE	Closed Status Spill (Unk/Other Cause)
214	KELLY CLEANERS	1036 MANHATTAN AVENUE	1059 feet to the E	Hazardous Waste Generator/Transporter
242	KELLY CLEANERS	1036 MANHATTAN AVENUE	1070 feet to the E	Air Discharge Site
215	PORT AUTHORITY NEW YORK/NEW JERSEY	HUNTERS PT 5500 2ND ST	1103 feet to the N	Hazardous Waste Generator/Transporter

169	182 FREEMAN ST/BKLYN	182 FREEMAN STREET	1120 feet to the E	Closed Status Spill (Misc. Spill Cause)
170	166 EAGLE ST	166 EAGLE ST	1126 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
216	APHRODITE CLEANERS II	1019 MANHATTAN AVENUE	1152 feet to the E	Hazardous Waste Generator/Transporter
171		111 INDIA ST	1164 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
217	NYNEX	GREEN ST & MANHATTAN	1169 feet to the E	Hazardous Waste Generator/Transporter
141	MANHOLE #TM642	BOX ST E OF MANHATTAN AV	1177 feet to the NE	Closed Status Spill (Unk/Other Cause)
74	MH 4285	MANHATTAN AVE/COMMERCIAL	1185 feet to the NE	Active Haz Spill (Unknown/Other Cause)
142	TRANSFORMER MANHOLE	MANHATTAN AVE &COMMERCIAL	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
143	MANHOLE 4285	MANHATTEN AV & COMERCIAL	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
144	MANHOLE #4285	MANHATTEN AV & COMM.ST.	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
145	MANHATTAN AVE & ASH ST	MANHATTAN AVE & ASH ST	1185 feet to the NE	Closed Status Spill (Unk/Other Cause)
223	MOTIVA ENTERPRISES LLC	25 PAIDGE AVENUE	1227 feet to the NE	Chemical Bulk Storage Facility
218	CONSOLIDATED EDISON CO OF NY INC	FRANKLIN ST F/O 113	1233 feet to the SSE	Hazardous Waste Generator/Transporter
200	GUARD GENERAL MERCHANDISE CO	61 GREENPOINT AVE	1247 feet to the SE	Petroleum Bulk Storage Site
201	GREENPOINT MANUFACTURING & DESIGN CENTER	1155-1205 MANHATTAN AVENUE	1265 feet to the NE	Petroleum Bulk Storage Site
17	DH FARNEY CONT. INC.		1267 feet to the N	Solid Waste Facility
75	NEW TOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE	Active Haz Spill (Unknown/Other Cause)
146	NEWTOWN CREEK	1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Unk/Other Cause)
147	1155-1205 MANHATTAN AVE	1155-1205 MANAHATTAN AVE	1275 feet to the NE	Closed Status Spill (Unk/Other Cause)
172	1155-1205 MANHATTAN AVE	1155-1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
173	1205 MANHATTAN AVE	1205 MANHATTAN AVE.	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
174	1205 MANHATTAN AVE	1205 MANHATTAN AVE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
175	1205 MANHATTAN AVE/BKLYN	1205 MANHATTAN AVENUE	1275 feet to the NE	Closed Status Spill (Misc. Spill Cause)
243	S & G INC.	1155 MANHATTAN AVE	1278 feet to the NE	Air Discharge Site
244	DISTINCTION IN WOOD INC.	1155-1205 MANHATTAN AVENUE	1278 feet to the NE	Air Discharge Site
245	ASBESTOS FREE INC	144 FRANKLIN ST	1281 feet to the SE	Air Discharge Site
246	ASBESTOS FREE INC.	144 FRANKLIN ST.	1281 feet to the SE	Air Discharge Site
219	NEW YORK CITY DEPT OF ENVIROMENTAL PROTE	CTION 1205 MANHATTAN AVENUE	1282 feet to the NE	Hazardous Waste Generator/Transporter
220	MINERALS & METALS - M & R CORP	1205 MANHATTAN AVE	1282 feet to the NE	Hazardous Waste Generator/Transporter
76	TM 0647	HERON STREET/MANHATTAN AV	1293 feet to the E	Active Haz Spill (Unknown/Other Cause)
77	TM #647	HURON ST/MANHATTEN AVE	1293 feet to the E	Active Haz Spill (Unknown/Other Cause)
202	APARTMENT HOUSE	168 HURON STREET	1295 feet to the E	Petroleum Bulk Storage Site
221	ANHEUSER BUSCH DISTRIBUTORS	55-01 SECOND STREET	1301 feet to the NNE	Hazardous Waste Generator/Transporter
18	MANHATTAN AVE. RECYCLING		1352 feet to the NE	Solid Waste Facility
148	116 GREENPOINT AVE	116 GREENPOINT AVE	1450 feet to the SE	Closed Status Spill (Unk/Other Cause)
19	ECONOMY CONTAINER SERVICE		1469 feet to the NE	Solid Waste Facility
45	29 ASH ST	29 ASH ST	1540 feet to the NE	Active Tank Test Failure
46	29 ASH ST/BKLYN/UNIVERSAL	29 ASH ST	1540 feet to the NE	Active Tank Test Failure
78	140 GREENPOINT AVE	140 GREENPOINT AVE	1621 feet to the SE	Active Haz Spill (Unknown/Other Cause)
79		CLAY ST & MCGUINNES BL	1636 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
149	MCGUINESS BLVD/CLAY ST	MCGUINESS BLVD/CLAY ST	1636 feet to the ENE	Closed Status Spill (Unk/Other Cause)
80	MANHOLE 19726	54TH AV WEST OF 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
81	MANHOLE 19726	54TH AV / 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
82	MANHOLE 19726	54TH AVE & 2ND ST	1664 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
83	TM 1081	NOBLE ST /W OF WEST ST	1679 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
84	MCGUINESS & BOX ST	MCGUINESS & BOX ST	1697 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
150	NEWTOWN CREEK/MANH AVE	NEWTOWN CREEK/MANH AVE	1712 feet to the NE	Closed Status Spill (Unk/Other Cause)
176	MANH AVE/NEWTOWN CREEK	MANH AVE/NEWTOWN CREEK	1712 feet to the NE	Closed Status Spill (Misc. Spill Cause)
85	MANHOLE 4297	BOX ST & PAIDGE AVE	1714 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
151	FRANKLIN & NOBLE ST	FRANKLIN & NOBLE ST	1720 feet to the SSE	Closed Status Spill (Unk/Other Cause)
86		137 MILTON ST	1784 feet to the SE	Active Haz Spill (Unknown/Other Cause)
87	109 NOBLE ST/BROOKLYN	109 NOBLE STREET	1794 feet to the SE	Active Haz Spill (Unknown/Other Cause)
88	MANHATTAN AND GREENPOINT	AVE MANHOLE-4327	1818 feet to the SE	Active Haz Spill (Unknown/Other Cause)

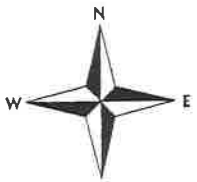
118		M.....ATTA..... & GR_____ OINT	1818 feet to the SE	Active Haz Spill (Unknown/Other Cause)
127	FINK BAKING	535 54TH AVE	1822 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
119	PULASKI SERVICE STATION	5-35 54TH AVE	1822 feet to the NNE	Closed Status Tank Test Failure
152	CON ED MANHOLE 4313	321 MCGUINNESS BLVD	1852 feet to the E	Active Haz Spill (Misc. Spill Cause)
90	VAULT 2772	MC GUINNESS & HURON ST	1879 feet to the E	Closed Status Spill (Unk/Other Cause)
153	315 MCGUINESS BLVD	45 WEST ST	1893 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
91	54-08 VERNON BLVD/QUEENS	315 MCGUINESS BLVD	1900 feet to the E	Closed Status Spill (Unk/Other Cause)
92	PULASKI BRDG/SHELL TERMNL	54008 VERNON BLVD	1950 feet to the NE	Active Haz Spill (Unknown/Other Cause)
120	OAK ST &FRANKLIN AV/BKLYN	NEWTOWN CREEK	1966 feet to the NE	Active Haz Spill (Unknown/Other Cause)
31	DITMAS OIL-LONG ISLAND CITY	OAK ST / FRANKLIN AVE	1969 feet to the SSE	Active Haz Spill (Misc. Spill Cause)
154	BORDEN AVE/LIRR PASS YARD	53-02 11TH ST.	2007 feet to the NE	Major Oil Storage Facility
177	LI PASSENGER YARD	BORDEN AVE/LIRR PASS YARD	2011 feet to the NNE	Closed Status Spill (Unk/Other Cause)
155	54TH AVA & VERNON BLVD	LI PASSENGER YARD	2011 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
156	54 STREET/VERNON BLVD	54TH AVE & VERNON BLVD	2026 feet to the NE	Closed Status Spill (Unk/Other Cause)
93	MANHOLE #62845	54 STREET/VERNON BLVD	2026 feet to the NE	Closed Status Spill (Unk/Other Cause)
94	MANHOLE 71304	MCGUINESS BLVE/INDIA ST	2041 feet to the E	Active Haz Spill (Unknown/Other Cause)
157	24 PAIGE AVENUE	MCGUINNESS BL/INDIA ST	2041 feet to the E	Active Haz Spill (Unknown/Other Cause)
95	RZ METAL CORP	24 PAIGE AVENUE	2056 feet to the ENE	Closed Status Spill (Unk/Other Cause)
20	MICHAEL FERRONE	247 HURON ST	2078 feet to the E	Active Haz Spill (Unknown/Other Cause)
96	NEW TOWN CREEK		2079 feet to the E	Solid Waste Facility
124	203 JAVA ST.	PULASKI BR AND BUDWEISER	2082 feet to the NE	Active Haz Spill (Unknown/Other Cause)
178	860 MANHATTAN AVE/BKLYN	203 JAVA ST	2104 feet to the ESE	Closed Status Tank Failure
44	25 PAIDGE AVE/BKLYN/SHELL	860 MANHATTAN AVENUE	2127 feet to the SE	Closed Status Spill (Misc. Spill Cause)
97	SHELL OIL CO	25 PAIDGE AVENUE	2130 feet to the ENE	Active Tank Failure
98	25 PAIDGE AVE/BKLYN	25 PAIDGE AV-WELS 15,16	2130 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
179	25 PAIDGE AVE/BKLYN	25 PAIDGE AVE	2130 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
99		25 PAIDGE AVENUE	2130 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
32	MOTIVA ENTERPRISES, LLC	53RD AVE/VERNON BLVD	2133 feet to the NE	Active Haz Spill (Unknown/Other Cause)
47	52-00 2ND ST/QU'NS/NORVAL	25 PAIDGE AVENUE	2135 feet to the ENE	Major Oil Storage Facility
100	MH #19726	52000 2ND ST	2186 feet to the NNE	Active Tank Test Failure
101	QUEENS MIDTOWN TUNNEL	2ND ST & BORDEN AVE	2193 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
158	217 INDIA STREET	BORDEN & 2ND ST	2193 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
102	MCGUISNESS BL	217 INDIA STREET	2228 feet to the E	Closed Status Spill (Unk/Other Cause)
121	502 BORDEN AVE/LIRR	BET JAVVA & KENT	2233 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
180	LONG ISLAND CITY YARD	502 BORDEN AVE	2245 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
181	266 FREEMAN ST/BROOKLYN	5-02 BORDEN AVENUE	2245 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
182	SHELL GAS STATION	266 FREEMAN STREET	2256 feet to the E	Closed Status Spill (Misc. Spill Cause)
159	262 HURON ST	KENT ST/MCGINESS BLVD	2281 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
122	LONG ISLAND CITY PASS YAR	262 HURON ST	2287 feet to the E	Closed Status Spill (Unk/Other Cause)
160		5-01 BORDEN AV	2303 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
103	MCGUINNESS & 54 AVE.	266 MCGUINNESS BLVD	2308 feet to the ESE	Closed Status Spill (Unk/Other Cause)
48	SHIMENTO TRUCKING INC.	MCGUINNESS & 54 AVE.	2332 feet to the NE	Active Haz Spill (Unknown/Other Cause)
104	11 WEST STREET	11 WEST STREET	2334 feet to the SSE	Active Tank Test Failure
105	NEWTOWN CREEK- PAIGE AVE	11 WEST STREET	2334 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
106	N E C / B N S	NEWTON CREEK -PAIGE AVE	2374 feet to the ENE	Active Haz Spill (Unknown/Other Cause)
161	10-26 53RD AVENUE	10-26 53RD AVE	2399 feet to the NE	Active Haz Spill (Unknown/Other Cause)
33	DITMAS OIL-LONG ISLAND CITY	10-26 53RD AVENUE	2399 feet to the NE	Closed Status Spill (Unk/Other Cause)
162	GREENPOINT AVE	53-02 11TH ST.	2404 feet to the NE	Major Oil Storage Facility
128	02-24 51ST AVE/	GREENPOINT AVENUE &	2414 feet to the ESE	Closed Status Spill (Unk/Other Cause)
107	MERIT GAS STATION	02-24 51ST AVE	2425 feet to the NNE	Closed Status Tank Test Failure
108	210 GREEN PT AVE.	210 GREENPOINT AVE	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
109	AMERADA HESS	210 GREEN PT AVE.	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)
		210 GREENPOINT AVE	2432 feet to the ESE	Active Haz Spill (Unknown/Other Cause)

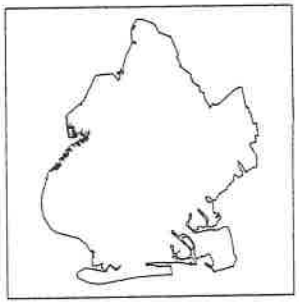
	IER S STA	2 CGUI 3 BL	2438 the E	Acti Haz Spil. (Unknown/Other Cause)
111	VAULT 5803	QUAY ST/WEST ST	2450 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
163	GREEN ST & PROVOST/BKLYN	GREEN ST & PROVOST	2455 feet to the E	Closed Status Spill (Unk/Other Cause)
112	VS 5761	QUAY ST/ E OF WEST ST	2461 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
113	MANHOLE #5761	QUA STREET & FRANKLYN AV	2482 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
21	PRONTO DEMO. CORP		2492 feet to the E	Solid Waste Facility
123	5TH ST & 51ST AVE	5TH ST & 51ST AVE	2526 feet to the NNE	Active Haz Spill (Misc. Spill Cause)
49	54 FRANKLIN ST/BKLYN	54 FRANKLIN ST	2565 feet to the SSE	Active Tank Test Failure
164	GASETERIA / QUEENS	GASETERIA 11TH & BORDEN	2593 feet to the NE	Closed Status Spill (Unk/Other Cause)
34	EXXON COMPANY USA	320 FREEMAN STREET	2748 feet to the E	Major Oil Storage Facility
22	PEREZ INTERBORO T.S.		2782 feet to the ENE	Solid Waste Facility
23	NEWTOWN CREEK DREDG SLF		2782 feet to the ENE	Solid Waste Facility
24	LOSTRITTO & CALANDRILLO		2918 feet to the SE	Solid Waste Facility
35	EXXON COMPANY USA	320 FREEMAN STREET	3037 feet to the E	Major Oil Storage Facility
42	KOSAN INDUSTRIAL CORP	5-49 49TH AVENUE	3093 feet to the NNE	Hazardous Waste Treat, Storage, Disposal
36	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3113 feet to the SW	Major Oil Storage Facility
37	BAYSIDE FUEL OIL DEPOT CORP.	1 NORTH 12TH STREET	3137 feet to the S	Major Oil Storage Facility
1	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3265 feet to the SSE	CERCLIS Site
11	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3265 feet to the SSE	Hazardous Substance Waste Disposal Site
38	EAST RIVER GENERATING STATION TANK FARM	14TH STREET & EAST RIVER	3462 feet to the SW	Major Oil Storage Facility
25	NYCDOS MTS @ GREENPOINT	NORTH HENRY STREET	3525 feet to the E	Solid Waste Facility
2	BKLYN UNION GAS /WILLIAMSBURGH WORKS	KENT AVE N 12TH ST /E RIV	3572 feet to the S	CERCLIS Site
12	BUG, WILLIAMSBURG WORKS	KENT AVENUE, NORTH 12TH STREET	3572 feet to the S	Hazardous Substance Waste Disposal Site
26	NORTH 12 STREET T.S.		3618 feet to the S	Solid Waste Facility
3	BROOKLYN NORTH 1 GARAGE	50 KENT AVENUE	3716 feet to the S	NYSDEC Inactive Haz Waste Site
4	CARBONA PRODUCTS	330 CALYER STREET	3866 feet to the ESE	NYSDEC Inactive Haz Waste Site
5	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	3928 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
6	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	3931 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
13	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	3931 feet to the E	Hazardous Substance Waste Disposal Site
27	GREENPOINT INCINERATOR		3943 feet to the E	Solid Waste Facility
14	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4031 feet to the E	Hazardous Substance Waste Disposal Site
7	KENT TERMINAL	KENT AVE. BETWEEN N.5TH & N.11TH ST.	4037 feet to the S	NYSDEC Inactive Haz Waste Site
39	FORMER MOBIL GREENPOINT TERMINAL	403 GREENPOINT AVENUE	4225 feet to the E	Major Oil Storage Facility
40	METRO TERMINALS CORP.	498 KINGSLAND AVENUE	4370 feet to the E	Major Oil Storage Facility
8	AMTRAK SUNNYSIDE YARD	39-29 HONEYWELL STREET	4504 feet to the NE	NYSDEC Inactive Haz Waste Site
9	MOBIL OIL BROOKLYN TERMINAL	300 N. HENRY ST.	4639 feet to the ESE	CERCLIS/NYSDEC Inactive Haz Waste Site
41	MOBIL OIL CORPORATION BROOKLYN TERMINAL	300 NORTH HENRY STREET	4639 feet to the ESE	Major Oil Storage Facility
15	BROOKLYN TERMINAL/MOBILE OIL	300 N. HENRY STREET	4650 feet to the ESE	Hazardous Substance Waste Disposal Site
28	SUMMIT CARTING INC.		4671 feet to the E	Solid Waste Facility
10	FORMER MANHATTAN ADHESIVES PLANT	425-459 GREENPOINT AVE.	4675 feet to the E	CERCLIS/NYSDEC Inactive Haz Waste Site
16	MANHATTAN ADHESIVES	425-459 GREEN POINT AVENUE	4678 feet to the E	Hazardous Substance Waste Disposal Site
29	NATIONAL PAPER STOCK CART		4767 feet to the SSE	Solid Waste Facility
30	NEKBOH RECYCLING INC.		4899 feet to the S	Solid Waste Facility

Toxics Targeting
1 Mile Buffer Search Map

Greenpoint Lumber Yard

Brooklyn, NY 11222





Kings County

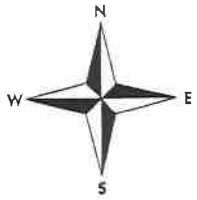
- NPL/CERCLIS/NYSDEC Inactive Hazardous Waste Disposal Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility

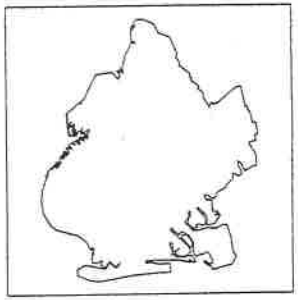
- Subject Area
- Waterbody
- Minor Roads
- Major Roads
- Expressways
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

Toxics Targeting
1/2 Mile Buffer Search Map

Greenpoint Lumber Yard

Brooklyn, NY 11222





Kings County

MTBE Gasoline Additive Spill

Hazardous Material Spill

Subject Area

Minor Roads

Major Roads

Expressways

1 Mile Radius

1/4 Mile Radius

Waterbody

County Border

Railroad Tracks

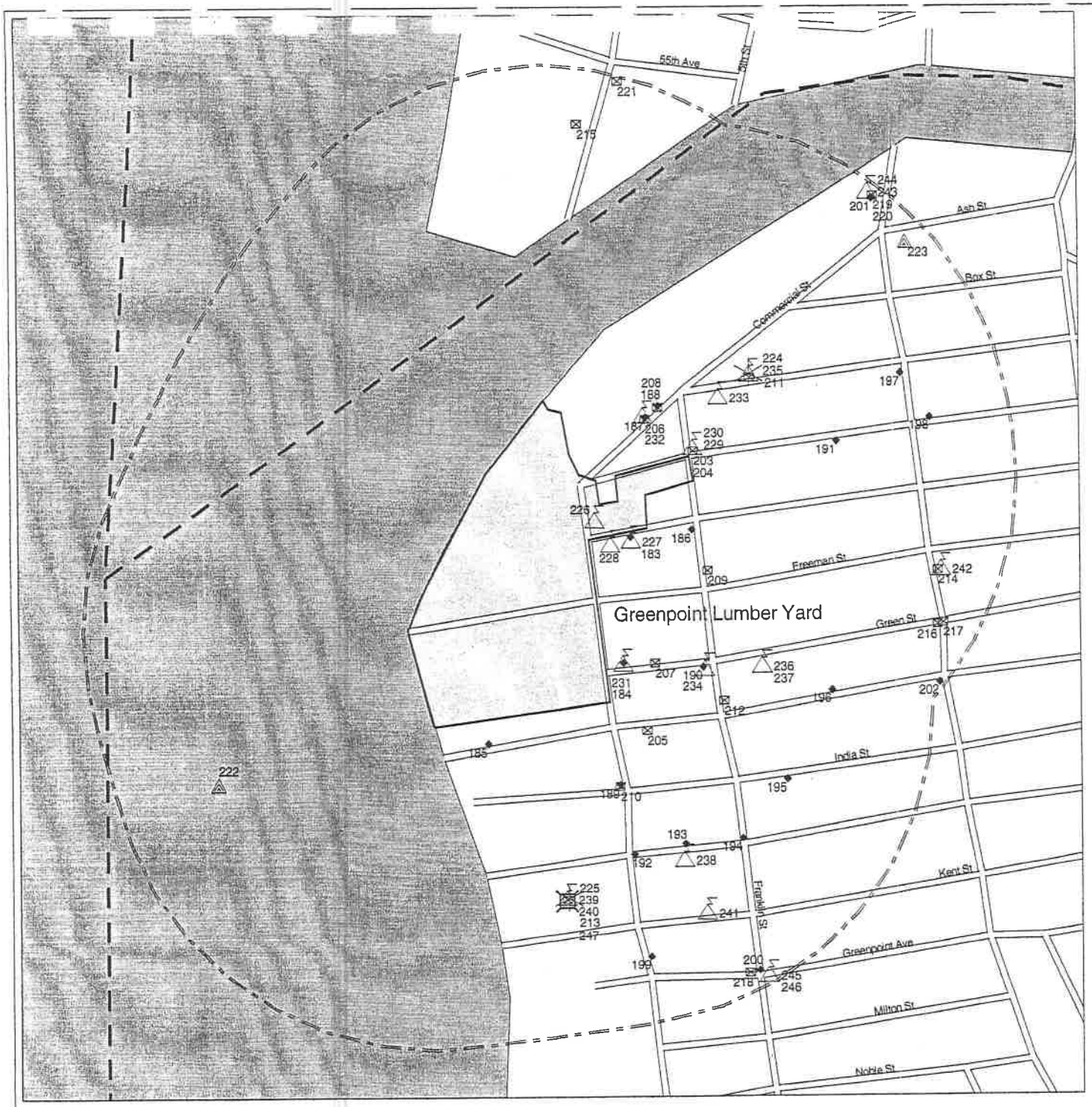
1/2 Mile Radius

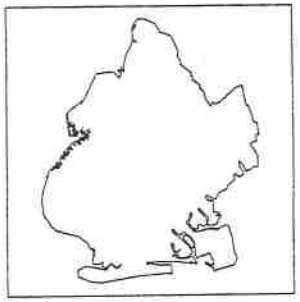
1/8 Mile Radius

Toxics Targeting
1/4 Mile Buffer Search Map

Greenpoint Lumber Yard

Brooklyn, NY 11222





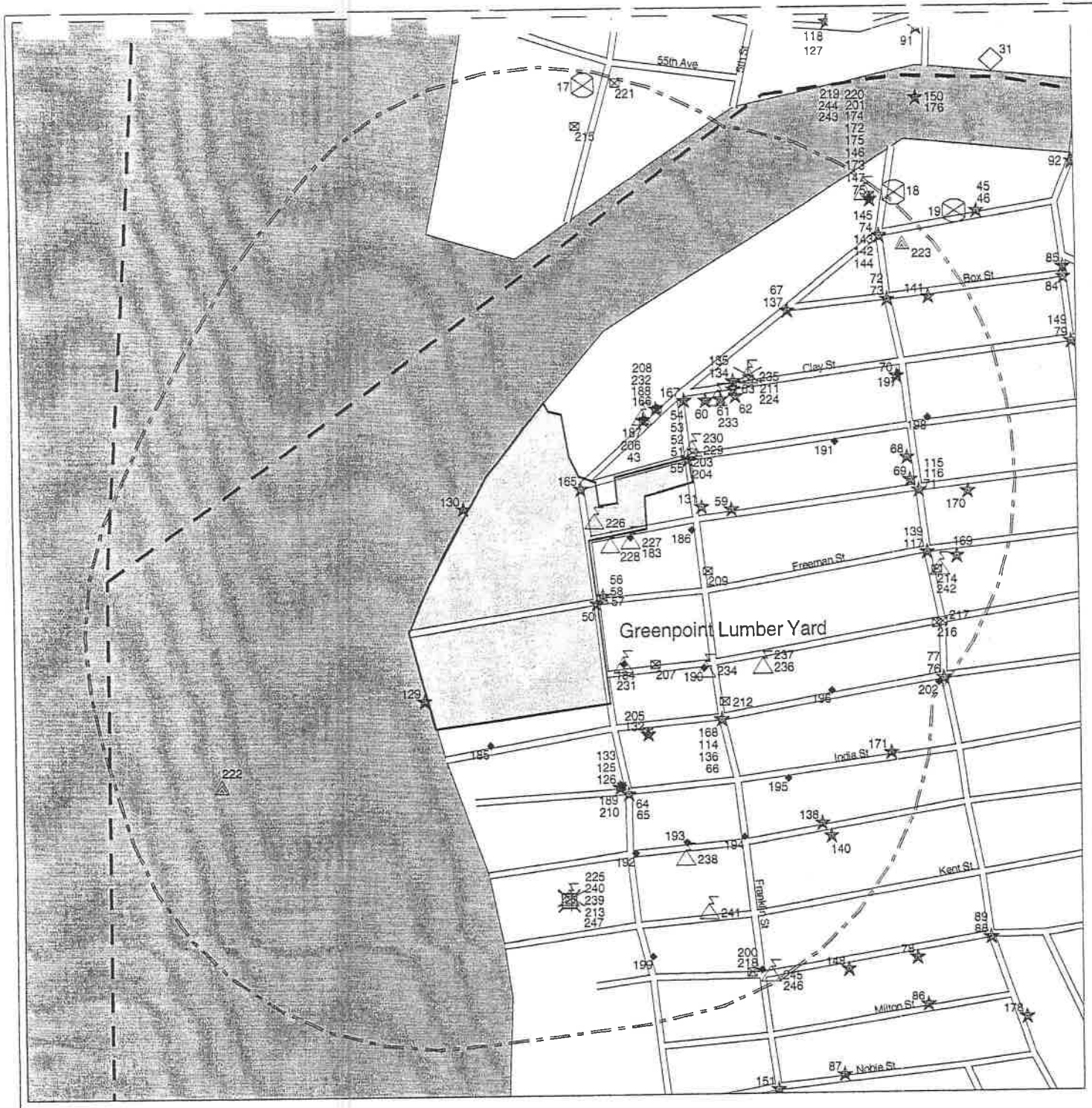
Kings County

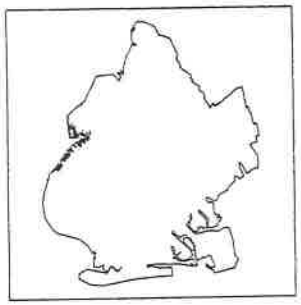
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Civil Enforcement Docket Facility
- Hazardous Waste Generator, Transp.
- Air Release
- Historic Utility Site
- Petroleum Bulk Storage Facility
- Subject Area
- Minor Roads
- Major Roads
- Expressways
- 1 Mile Radius
- 1/4 Mile Radius
- Waterbody
- County Border
- Railroad Tracks
- 1/2 Mile Radius
- 1/8 Mile Radius

Toxics Targeting
1/4 Mile Buffer Closeup Map

Greenpoint Lumber Yard

Brooklyn, NY 11222





Kings County

- NPL/CERCLIS/NYSDEC Inactive Hazardous Waste Disposal Site *
- Hazardous Waste Treater, Storer, Disposer *
- Hazardous Substance Waste Disposal Site *
- Major Oil Storage Facility *
- Chemical Storage Facility ***
- Toxic Release ***
- Wastewater Discharge ***
- Civil Enforcement Docket Facility ***
- MTBE Gasoline Additive Spill
- Solid Waste Facility *
- Hazardous Material Spill **
- Hazardous Waste Generator, Transp. ***
- Air Release ***
- Historic Utility Site ***
- Petroleum Bulk Storage Facility ***
- Subject Area
- Waterbody
- Minor Roads
- Major Roads
- Expressways
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

* 1 Mile Search Radius

** 1/2 Mile Search Radius

*** 1/4 Mile Search Radius

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Computerized Environmental Reports contain government and other information compiled on 17 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Profile data updated through: 5/24/2000. Data obtained by Toxics Targeting: 10/5/2000.
New Facilities updated to: 5/24/2000. Data obtained by Toxics Targeting: 10/5/2000.

2) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. NPL sites are also included in CERCLIS. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Profile data updated through: 12/28/2000. Data obtained by Toxics Targeting: 2/4/2001.
New Facilities updated through: 12/28/2000. Data obtained by Toxics Targeting: 2/4/2001.

3) **National Priority List for Federal Superfund Cleanup**: Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Profile data updated from: 6/2000-9/2000. Data obtained by Toxics Targeting: 2/1/2001.
New Facilities updated through: 12/19/2000. Data obtained by Toxics Targeting: 2/1/2001.

4) **Hazardous Substance Waste Disposal Site Study**: NYS database of waste disposal sites that may pose threats to public health or the environment, but cannot be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

5) **Solid Waste Facilities**: NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 1/01/1998. Data obtained by Toxics Targeting: 6/30/1998.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

6) **Major Oil Storage Facilities**: NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2] Data update schedule: rolling basis.
New facilities updated through: 7/1/2000. New facilities data obtained by Toxics Targeting: 7/17/2000.
Tank data updated through: 7/1/2000. Tank data obtained by Toxics Targeting: 7/17/2000.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information**: New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Manifest transactions data updated to: 1/01/1999. Manifest transactions data obtained by Toxics Targeting: 3/27/1999.
New facilities updated through: 1/01/1999. New facilities obtained by Toxics Targeting: 3/27/1999.

(b) **Notifier Information**: U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 3/26/1998. Data obtained by Toxics Targeting: 4/9/1998.
Data attributes updated through: 12/22/1998. Data obtained by Toxics Targeting: 3/30/1999.

(c) **RCRA Violations Information:**
U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 3/26/1998. Data obtained by Toxics Targeting: 4/9/1998.
Data attributes updated through: 12/23/1998. Data obtained by Toxics Targeting: 12/30/1998.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.
Source: U. S. Environmental Protection Agency[1]
Data updated through: 4/20/2000. Data obtained by Toxics Targeting: 5/10/2000.

8) **Spills Information Database:** Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported between 4/1/1986 and 4/1/2001.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]
New spill additions data updated through: 04/01/2001. New spill additions data obtained by Toxics Targeting: 04/46/2001.
Spill attribute data updated through: 04/01/2001. Spill attribute data obtained by Toxics Targeting: 04/26/2001.

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons. ASTM required.* Fannie Mae required.**

All New York Counties except Cortland, Nassau, Rockland, and Suffolk:
Source: NYS Department of Environmental Conservation.[2]
Update schedule: rolling basis, with summary compilations made available approximately every three months
Facility data updated through: 1/1/2001 (10/1/98 for Westchester Co.). Facility data obtained by Toxics Targeting: 2/16/2001.
Tank data updated through: 1/1/2001 (10/1/98 for Westchester Co.). Tank data obtained by Toxics Targeting: 2/16/2001.

Nassau County:
Heat producing products and other products with less than 1,000 gallons storage capacity:
Source: Nassau County Department of Health.[3] Data update schedule: rolling basis
Data updated through: 10/4/2000. Data obtained by Toxics Targeting: 11/5/2000.

Generally non-heat producing products with more than 1,000 gallons storage capacity:
Source: Nassau County Fire Marshall. [4] Data update schedule: rolling basis with annual update
Data updated through: 9/27/1996. Data obtained by Toxics Targeting: 11/20/1996.

Rockland County:
Source: Rockland County Department of Health. [5]
Data updated through: 8/11/1998. Data obtained by Toxics Targeting: 8/17/1998.

Suffolk County:
Source: Suffolk County Department of Health Services. [6]
Data updated through: 1/12/1999. Data obtained by Toxics Targeting: 2/26/1999.

10. **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the New York State Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Manifest transactions data updated to: 1/01/1999. Manifest transactions data obtained by Toxics Targeting: 3/27/1999.
New facilities updated through: 1/01/1999. New facilities obtained by Toxics Targeting: 3/27/1999.

(b) **RCRA Notifier Information:** U. S. Environmental Protection Agency database of hazardous waste facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 3/26/1998. Data obtained by Toxics Targeting: 4/9/1998.
Data attributes updated through: 12/22/1998. Data obtained by Toxics Targeting: 3/30/1999.

(c) **RCRA Violations Information**: U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 3/26/1998. Data obtained by Toxics Targeting: 4/9/1998.
Data attributes updated through: 12/23/1998. Data obtained by Toxics Targeting: 12/30/1998.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information**: U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.
Source: U. S. Environmental Protection Agency[1]
Data updated through: 4/20/2000. Data obtained by Toxics Targeting: 5/10/2000.

11) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Data updated through: 4/1/2000. Data obtained by Toxics Targeting: 4/7/2000.

12) **Toxic Release Inventory**: New York State and Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: NYS Department of Environmental Conservation[2]/U. S. Environmental Protection Agency.[1]
Data update schedule: rolling basis, with annual information summary for previous year's activities available from NYSDEC each July 1, with corrections and additional information available approximately mid-August.
Data updated through: 5/9/1996. Data obtained by Toxics Targeting: 5/14/1996

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/06/2000

15) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 9/23/1996. Data obtained by Toxics Targeting: 9/30/1996

16) **U. S. Environmental Protection Agency Civil Enforcement Docket**: This database is the U. S. EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Date updated through: 4/1996. Date information obtained by Toxics Targeting: 8/1996

17) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

*American Society of Testing Materials Standards on Environmental Site Assessments for Commercial Real Estate (E 1527-93, E 1528-93).
** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 50 Wolf Road, Albany, NY 12233.

[3]Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.

[4]Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.

[5]Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.

[6]Suffolk County Department of Health Services, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220.

APPENDIX D
NEW YORK CITY FIRE AND BUILDINGS DEPARTMENT RECORDS

A-95A (7/97) 110-971135-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO:

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

Search No. 08402

The undersigned requests the following information:

237 Franklin Street — ADDRESS
Brooklyn — BOROUGH

For Buried Motor **Vehicle Fuel Tanks** Only

- [x] N/R 1. No. and size of tanks (includes date of installation) ..... Fee $10.00
- [x] 2. No. and size of sealed and/or removed tanks ..... Fee $10.00
- [ ] 3. Most recent tank and/or piping test results, including type of test performed Fee $10.00
- [ ] 4. History of leaks ..... Fee $10.00
- [ ] 5. Pending Headquarters violation orders ..... Fee $10.00
- [ ] 6. Other _____ Fee $10.00

Total $10.00

State applicants interest in or relation to premises:
Environmental Review
(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed Nina Sotinou

Date 6/28/01

DO NOT WRITE BELOW THIS LINE

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following: (ADDITIONAL COMMENTS ARE MADE ON REVERSE SIDE).

D, E, F or VOIDED

NO RECORD

Searched By: Zlcare 6/29/01

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS.

A-96A (7/97) 110-971136-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
FUEL (HEATING) OIL

TO:

Search No._____

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

undersigned requests the following information re: Premises

237 Franklin Street — ADDRESS
Brooklyn — BOROUGH

el (Heating) Oil Tanks Only

1. No. and Size of tanks (includes date of installation) ..... Fee: $10.00
2. No. and Size of sealed and/or removed tanks ..... Fee: $10.00
   Searched by _____ Date _____
3. Pending Headquarters violation orders ..... Fee: $10.00
4. Other _____ Fee: $10.00

total $20

e: The N.Y.C. Fire Department Does Not Conduct Tests on Fuel (Heating) Oil Tanks.

Applicants interest in or relation to premises:

Environmental Review

Signed Mimi Sotiriou

Date 6/28/01

DO NOT WRITE BELOW THIS LINE

tlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL COMMENTS ON REVERSE SIDE)

R,C Accounts

No Record

rded by: [illegible] 6/29/01

ATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE 'ENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ED. ALL REPORTED TANK INFORMATION COMES FROM RECORDS WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS IN COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

A-95A (7/97) 110-971135-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO:

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

Search No._____

The undersigned requests the following information:

171 West Street — ADDRESS
Brooklyn — BOROUGH

For Buried Motor **Vehicle Fuel Tanks** Only

- [x] 1. No. and size of tanks (includes date of installation) ..... Fee $10.00
- [x] 2. No. and size of sealed and/or removed tanks ..... Fee $10.00
- [ ] 3. Most recent tank and/or piping test results, including type of test performed Fee $10.00
- [ ] 4. History of leaks ..... Fee $10.00
- [ ] 5. Pending Headquarters violation orders ..... Fee $10.00
- [ ] 6. Other _____ Fee $10.00

Total $10.00

State applicants interest in or relation to premises:
Environmental Review
(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed Mimi Sotiriou
Date 6/28/01

DO NOT WRITE BELOW THIS LINE

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following: (ADDITIONAL COMMENTS ARE MADE ON REVERSE SIDE).

D, E, F or VOIDED

No Record.

Searched By: [illegible] 6/29/01

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS.

A-96A (7/97) 110-971136-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
FUEL (HEATING) OIL

AIL TO: Search No.

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

.e undersigned requests the following information re: Premises

171 West Street — ADDRESS
Brooklyn — BOROUGH

ɔı Fuel (Heating) Oil Tanks Only

1. No. and Size of tanks (includes date of installation) ..... Fee: $10.00
2. No. and Size of sealed and/or removed tanks ..... Fee: $10.00
   Searched by _____ Date _____
3. Pending Headquarters violation orders ..... Fee: $10.00
4. Other _____ Fee: $10.00

total $20

ol : The N.Y.C. Fire Department Does Not Conduct Tests on Fuel (Heating) Oil Tanks.

tate Applicants interest in or relation to premises:

Environmental Review

Signed Mimi Sotinou

Date 8/28/01

DO NOT WRITE BELOW THIS LINE

entlemen:

n reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL COMMENTS ON REVERSE SIDE)

R,C Accounts

No Record

ɜɜ :hed by: 6/29/01

OLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE IEVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ˹ˡˡD. ALL REPORTED TANK INFORMATION COMES FROM RECORDS WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS ı ı I COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

A-95A (7/97) 110-971135-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO:

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

Search No.

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37 Commercial Street — ADDRESS
Brooklyn — BOROUGH

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- [X] NR 1. No. and size of tanks (includes date of installation) ..... Fee $10.00
- [X] 2. No. and size of sealed and/or removed tanks ..... Fee $10.00
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- [ ] 4. History of leaks ..... Fee $10.00
- [ ] 5. Pending Headquarters violation orders ..... Fee $10.00
- [ ] 6. Other _____ Fee $10.00

Total 10.00

tate applicants interest in or relation to premises:
Environmental Review
(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed Mimi Sotiriou

Date 6/28/01

DO NOT WRITE BELOW THIS LINE

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D, E, F or VOIDED

NO RECORD

earched By: [illegible] 6/29/01

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MAXIMUM RESPONSE TIME 20 BUSINESS DAYS.

A-96A (7/97) 110-971136-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

PLEASE HOLD FOLDERS

RECORD SEARCH REQUEST
FUEL (HEATING) OIL

IL TO: Search No.

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212) 340-9779

: undersigned requests the following information re: Premises

37 Commercial Street — ADDRESS
Brooklyn — BOROUGH

l el (Heating) Oil Tanks Only

1. No. and Size of tanks (includes date of installation) ..... Fee: $10.00
2. No. and Size of sealed and/or removed tanks ..... Fee: $10.00
   Searched by _____ Date _____
3. Pending Headquarters violation orders ..... Fee: $10.00
4. Other _____ Fee: $10.00

total $20

e. The N.Y.C. Fire Department Does Not Conduct Tests on Fuel (Heating) Oil Tanks.

'e Applicants interest in or relation to premises:

Environmental Review

Signed Mimi Sotiriou

Date 6/28/01

DO NOT WRITE BELOW THIS LINE

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(MAKE ADDITIONAL COMMENTS ON REVERSE SIDE)

R,C Accounts

NO RECORD

rc ed by: J. Lane 6/29/01

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MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

WARNING ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

Please deliver to the undersigned the following public records for:

Examination ☒ Amendment ☐ Consultation ☐ Recommendation ☐ Permit ☐

(Please Print)

Name Mimi Sotiriou Phone (212) 696-0670

Firm or Agency AKRF, Inc.

Address 117 East 29th Street Borough Manhattan

Relationship to property Agent (Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.) Representing the Owner (Owner, Lessee, etc.)

Record(s) Received ..... (Signature)

Record(s) Received ..... (Date/Time) (Signature) plan desk clerk Record(s) Received ..... (Date/Time) (Signature) plan desk clerk

B FORM 69

Please check Plans ☒ Applications ☒

BOROUGH Brooklyn

LOCATION

N.B. Alt. Misc. etc. No. 19

BLOCK 2510 (Application) LOT 1

WARNING ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

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Address 117 East 29th Street Borough Manhattan

Relationship to property Agent (Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.) Representing the Owner (Owner, Lessee, etc.)

Record(s) Received ..... (Signature)

Record(s) Received ..... (Date/Time) (Signature) plan desk clerk Record(s) Received ..... (Date/Time) (Signature) plan desk clerk

B FORM 69

Please check Plans ☒ Applications ☒

BOROUGH Brooklyn

LOCATION

N.B. Alt. Misc. etc. No. 19

BLOCK 2520 (Application) LOT 57

BLOCK 2494 LOT 1
Application

No. 19
N.B. Alt. Misc. etc.

LOCATION

BOROUGH Brooklyn

Please check Plans ☒ Applications ☒

WARNING ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

Please deliver to the undersigned the following public records for:
Examination ☒ Amendment ☐ Consultation ☐ Recommendation ☐ Permit ☐

(Please Print)
Name Mimi Sotiriou Phone (212) 696-0670
Firm or Agency AKRF, Inc.
Address 117 East 29th Street Borough: Manhattan
Relationship to property Agent (Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.) Representing the Owner (Owner, Lessee, etc.)

Record(s) Received ..... (Signature)

Record(s) Received ..... (Date/Time) (Signature) plan desk clerk Record(s) Received ..... (Date/Time) (Signature) plan desk clerk

B FORM 69

BLOCK 2502 LOT 1
Application

No. 19
N.B. Alt. Misc. etc.

LOCATION

BOROUGH Brooklyn

Please check Plans ☒ Applications ☒

WARNING ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

Please deliver to the undersigned the following public records for:
Examination ☒ Amendment ☐ Consultation ☐ Recommendation ☐ Permit ☐

(Please Print)
Name Mimi Sotiriou Phone (212) 696-0670
Firm or Agency AKRF, Inc.
Address 117 East 29th Street Borough: Manhattan
Relationship to property Agent (Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.) Representing the Owner (Owner, Lessee, etc.)

Record(s) Received ..... (Signature)

Record(s) Received ..... (Date/Time) (Signature) plan desk clerk Record(s) Received ..... (Date/Time) (Signature) plan desk clerk

B FORM 69

THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS

G 901

Block & Lot

2 Customers waiting to be served

8:44am 6-29-01

THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS

G 900

Block & Lot

1 Customers waiting to be served

8:42am 6-29-01

BLOCK 2472 Application LOT Lots 2, 32, 100, 410, 425

No. 19

N.B. Alt. Misc. etc.

LOCATION

BOROUGH Brooklyn

Please check Plans ☒ Applications ☒

ANY PERSON REMOVING PLANS OR OTHER RECORDS FROM THE JURISDICTION OF THIS DEPARTMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

igned the following public records for:

dment ☐ Consultation ☐ Recommendation ☐ Permit ☐

Spirion

F, Inc.

ast 29th Street

Phone (212) 696-0670

Borough Manhattan

Agent

Owner, Lessee, Architect, Engineer, Attorney, Agent, Contractor, Plumber, etc.

Representing the Owner

Owner, Lessee, etc.

Signature

Record(s) Received

(Signature) plan desk clerk

Date/Time

(Signature) plan desk clerk

B FORM 69

F 24/01 FINAL CO ADDRESS PROPERTY PROFILE OVERVIEW BTSPI070
..... WEST STREET..... 3 BROOKLYN 11222 BIN# 3064007

F 1 STREET 179 - 195 HEALTH AREA : 01 TAX BLK: 2510.
F FRANK STREET 17 - 27 GENERIC TRACT: 477 TAX LOT: 1....
REEN STREET 5 - 55 COMMUNITY BD: 301 CONDO :
MUNICIPALITY: 01 VACANT :

OR SPECIAL PLACE NAME : PROPERTY RECORD(S)
OR ADDITIONAL REMARKS :
LANDMARK DESIGNATION CODE : 79-MIDDLE LANDMARK LANDMARK STATUS:

COMMON FOR THIS BIN REVIEWED VERIFIED : NO
TOTAL : 0 : 0 ADDRESS/BUILDING (PF4) SPECIAL STATUS :
TOTAL OCCUPIED : 0 : 0 OPEN LOCAL LAW : NO
FOR : 1 : 1 OPEN (PF12) SRO : NO
COMMERCIAL : 0 : 0 OPEN (PF11)

F 3 = PREVIOUS ENTER KEY= BUILDING PF 5/6/7 = NEW ADDR/BIN/BLK-LOT
F 6 = BUILDING (TYPE : ....) PF 9/10 = BROWSE BIN/BLK-LOT
F 11 (AREA'S FILED) PF 13 = BROWSE 1 PROPERTY RECORDS
F 14 = LPC/BPO/LIPA USE ONLY PF 16 = ADDITIONAL PROPERTY INFO

F 24/01 1 BUILDING AT 179 WEST STREET BROOKLYN BTSPOCV3
BLOCK: 02510 LOT: 00001 PAGE 1

: VERIFICATION:

F PREV SCREEN PRE-REQUISITE(ENTER TYPE ....) TOP , NO. TO ZOOM

[illegible] FRANKLIN STREET ..... BROOKLYN 11222 BIN# 3043799

[illegible] STREET [illegible] - 241 HEALTH AREA : 01 TAX BLK: 2494,
[illegible] STREET [illegible] - 20 DEMOLITION TRACT: 077 TAX LOT: 1....
[illegible] STREET 31 - 49 COMMUNITY BD: 301 CONDO :
MULTI STRUCT: 01 VACANT :

SPECIAL PLACE NAME :
BUILDING REMARKS :
LANDMARK DESIGNATION DATE : 79-MISCELLANEOUS LANDMARK STATUS:

1 PROPERTY RECORD(S)

RECORD VERIFIED : YES
SPECIAL STATUS :
LOCAL LAW : NO
SRD : NO

BUILDING	: 12	: 1	LINKS/FILINGS (PF4)
BUILDING DOB	: 0	: 0	OPEN
PTCR	: 0	: 0	OPEN (PF12)
COMPLAINTS	: 0	: 0	OPEN (PF11)

F 1 = PROPERTY ENTER KEY- BUILDING PF 3/A/Z = NEW ADDR/BIN/BLK-LOT
PF 6 = BUILDING (TYPE : ....) PF 9/10 = BROWSE BIN/BLK-LOT
PF 11 = BROWSE 1 PROPERTY RECORDS
PF 16 = ADDITIONAL PROPERTY INFO
PF 14 = PREV/NEXT USE LINKS

[illegible]/2001 12 BUILDING AT 243 FRANKLIN STREET BROOKLYN BJAP00V3
BLOCK: 02494 LOT: 00001 PAGE 1

ALT [illegible]-0[illegible] ALT [illegible]-00 ALT ERROR
DEMOL [illegible]-[illegible] [illegible] [illegible]-[illegible] MTA 917-235-45-113060
MTAL [illegible]-00 NR [illegible]-24 NR 14.17-25
PMD [illegible]-28 TEMP 280-[illegible] TEMP 92-[illegible]

PREV SCREEN PF4-REFRESH(ENTER TYPE ....) DOB . NOT TO 2000M

```
: 09/01          PUBLIC ADDRESS PROPERTY PROFILE INQUIRY                    BIRPI070
/............ COMMERCIAL STREET............... X BROOKLYN        11222 BIN# 3063675

  MERCIAL STREET     77 - 77                    HEALTH AREA : 01        TAX BLK: 2472,
                                                CENSUS TRACT: 177       TAX LOT: 410,
                                                COMMUNITY BD: 301       CONDO  :
                                                MULTI STRUCT: 01        VACANT :
: ==================================================================================
IN OFFICIAL PLACE NAME :                                    ;   PROPERTY RECORD(S)
IN ADDITIONAL REMARKS  :
: ANCY INCONSISTENCY CODE : F1-FACTORY/INDUSTRIAL   LANDMARK STATUS:

COUNTS FOR DATA BIN                                          RECORD VERIFIED : YES
  COUNTS          : 15     : 3     DONE/FILE INAK (PF4)      SPECIAL STATUS :
  DEALLOCATING DOR : 5     : 1     OPEN                          LOCAL LAW : NO
            FOR : 0     : 0     OPEN     (PF10)                       SRO : NO
  COMPLAINTS      : 0     : 0     OPEN     (PF11)
=================================================================================
PF 3 - ELEVATORS    ENTER KEY= ADDING   PF 3/A/7 = NEW ADDR/BIN/BLK-LOT
PF 8 - BUILDING     (TYPE : ....  )     PF 9/10  = RETRIEVE BIN/BLK-LOT
PF 13 - FRA/ARA                         PF 15    = ARCHIVE 1   PROPERTY RECORDS
PF 14 - FD/RPD/TIFF DEF CONDY           PF 16    = ADDITIONAL PROPERTY INFO

: 09/01     24     ADDING AT 77 COMMERCIAL STREET BROOKLYN                BIRPDCV3
                   BORO: 03472    LOT: 00410                               PAGE 1

: DOB   1B1AA-A1          DOB   7A7.37-.31          DFM   119-23
  DFM   83-24             DFM   11A-24              DFM   34B-30
: FD    9AA.1-4A ✓        FD    .179-00(77) ✓       FD    477-84(77) ✓
: FD    92A-AA ✓          NB    14929-1.1           NB    11A33-33
  NB    9711-.3           NB    A.38A-.31           NB    15977-35
  NB    11029-.1          PNB   1010-84(77)         SHED  17882-17
: SFB   27A-021.3A.1      V*    07AA4F011           V*    0829931L629126801
  V*    0210971LA2912.3420  V*  041A97LLA29122A3725  V     0207001LA291183BB

:

:

:

:

:

PF1-PREV SCREEN   PFA-REFRESH(ENTER TYPE ....)   (DOL , NYC TO 700M
```

Phase II Site Investigation Report – Greenpoint Lumber Yard, Brooklyn, New York, October 2001, prepared by AKRF, Inc.

GREENPOINT LUMBER YARD

BROOKLYN, NEW YORK

PHASE II SITE INVESTIGATION REPORT

Prepared for:

Park Tower Realty Corp.
499 Park Avenue
New York, New York 10022

Prepared by:

AKRF, Inc.
117 East 29th Street
New York, NY 10016
(212)-696-0670

October 2, 2001

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APPENDICES

Appendix A - Boring Logs
Appendix B - Laboratory Analytical Results

1.0 INTRODUCTION

A subsurface investigation was performed on the approximately 20+-acre Greenpoint Lumber Yard Site (Project Site or Site) in the Greenpoint neighborhood of Brooklyn, New York to identify potential contamination in the soil and groundwater. The Project Site consists of Tax Block 2472, Lots 1, 32, 100, 410 and 425; Tax Block 2494, Lot 1; Tax Block 2502, Lot 1; Tax Block 2510, Lot 1; and Tax Block 2520, Lot 57. The subject blocks are generally bounded to the north by Newtown Creek; to the east by portions of Commercial, Franklin and West Streets; to the south by Huron Street; and to the west by the East River. Please see Figure 1 for Project Site Location.

The Phase II Environmental Site Investigation addresses recommendations made by AKRF, Inc. in a Phase I Environmental Site Assessment performed on the Project Site in July 2001. The Investigation was performed on August 16 and 17, 2001. Five soil borings and five soil boring / groundwater monitoring wells were completed as part of the investigation. This report summarizes the results of the soil and groundwater testing and includes conclusions and recommendations.

The Greenpoint Lumber Yard site has over a 100-year history primarily as a lumber yard. Other historical non-lumber-related uses included:

- New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (Tax Block 2520, Lot 57 and Tax Block 2510);
- New York Quebracho Extract Company ca. 1916 (Tax Block 2520, Lot 57 and Tax Block 2510);
- A.K. Meserole & Company, a mason material and coal storage yard) ca. 1916 (Tax Block 2502);
- C. Winant's Spar Company ca. 1916 (Tax Block 2502);
- Export Auto Case Company ca. 1916 (Tax Bloxk 2502);
- O'Rouke Engineering and Construction Company ca. 1905 (Tax Block 2472);
- New York State Barge Canal Terminal and Alberene Stone Company Tub Storage ca. 1916 (Tax Block 2472);
- Greenpoint Coal Docks, Inc. ca. 1942 through ca. 1951 (Tax Block 2472).

The main environmental concerns related to the redevelopment of the site include potential former site usage for pressure-treating lumber, an on-site former extract and chemical company, current auto repair and auto parking uses and several potential underground petroleum storage tanks. Lumber yards, where pressure treatment occurred, are typically contaminated with creosote (a coal tar derivative, which contains elevated levels of polyaromatic hydrocarbons and phenols) or with heavy metals (such as chromium or arsenic). Substances used by the chemical and extract companies could have impacted subsurface soil and/or groundwater with any number of contaminants. Additionally, aboveground and potential underground storage tanks were noted in the Phase I report and portions of the property are currently used for auto repair. In the areas

of known or potential tanks, subsurface petroleum and/or PCB contamination could be present. Solvent contamination could be present in areas historically used for auto repair.

1.1 Site Description

The Project Site currently contains the following structures: a two-story brick and concrete office, a small brick guard shed and a large corrugated metal garage near the intersection of Green and West Streets; and a second brick guard shack, which has been converted for auto repair, at the intersection of Dupont and Franklin Streets. The remainder of the property consists of open areas which are used by 13 tenants, primarily for contractor's materials storage.

The surface topography on the Project Site generally slopes downward to the north, toward Newtown Creek and to the west, toward the East River. Based on reports compiled by the U.S. Geological Survey, the surface elevation of the Site is approximately five to fifteen feet (National Geodetic Vertical Datum of 1929), depending on the area of the Site. Groundwater is located approximately six to fifteen feet below the surface of the site. The expected direction of groundwater flow would be to the north, toward Newtown Creek and/or to the west, toward the East River.

1.2 Previous Studies

A Phase I Environmental Site Assessment was performed by AKRF, Inc. in July 2001 on the Project Site. An Addendum to the Phase I Environmental Site Assessment was issues by AKRF, Inc. on July 17, 2001. The Phase I Assessment met the requirements of the American Society for Testing and Materials (ASTM), as established by ASTM Standard E 1527-00, and included a site inspection, a review of historical fire insurance (Sanborn) maps and a review of federal, state and local regulatory databases. Recognized environmental conditions included former site usage as a lumber yard and the possible former on-site pressure treatment of lumber; a former on-site chemical and extract company; the current use for auto parking and repair; and aboveground and potential underground petroleum storage tanks.

2.0 SOIL BORINGS AND MONITORING WELLS

2.1 Summary of the Site Investigation

Soil and groundwater boring and sampling activities occurred on August 16 and 17, 2001. AKRF's field crew consisted of Mimi Sotiriou and Melissa McGoogan. Aquifer Drilling and Testing advanced the soil borings and installed temporary groundwater monitoring wells.

Five soil borings and five soil boring / groundwater monitoring wells were completed. The borings were biased towards the location of the former chemical and extract

companies, areas near potential underground storage tanks, and areas where lumber storage and possible treatment occurred. Please see Figure 2 for the Boring and Monitoring Well locations. Borings were advanced to groundwater level except B-2, where refusal was encountered three times at 3' below grade. MW-1, MW-2 and MW-4 served as up-gradient sampling locations with respect to groundwater.

2.2 Soil Sampling Methodology

At each sampling location, a Geoprobe rig was used to drive a sampling probe into the soil. Soil samples were collected by driving the soil sampling probe with a four-foot teflon liner into the soil at four foot intervals until groundwater was reached. Soil gas was screened in the teflon liner at one foot intervals using a photoionization detector (PID). Two soil samples were collected from each boring location based on field observations. If no field contamination was apparent (visual, odor or PID readings), a sample from the two foot interval immediately beneath the original ground surface (excluding any overlying asphalt or concrete) and a sample from the groundwater interface were collected. The soil samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and chilled in a cooler for shipment to the laboratory. Soil samples were analyzed for volatile organic compounds (EPA Method 8260), semivolatile organic compounds (EPA Methods 8270) and target analyte list metals (EPA Method 6010). Selected surface soil samples were tested for polychlorinated biphenyls (PCBs) and pesticides (EPA Methods 8081 and 8082, respectively). Where insufficient material was collected, parameters were selected based on field observation. Please see Table 1 in the Tables section of this report for a summary of analytical parameters.

Nine soil borings were completed to groundwater depth. Refusal was encountered at one location (B-3) at 3' below grade; groundwater was not encountered at this location. Please see Appendix A for Boring Logs.

2.3 Groundwater Sampling Methodology

At five locations, the sampling probe was driven down to approximately four feet beneath the groundwater table to recover a sample of groundwater. Once this depth was reached, a two-inch screen was installed below the water table to extract a groundwater sample. Dedicated Teflon tubing was used to attempt to evacuate at least five well volumes prior to sampling for each well. The groundwater samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and chilled in a cooler for shipment to the laboratory. Groundwater samples were analyzed for volatile organic compounds (EPA Method 8260), semivolatile organic compounds (EPA Methods 8270) and target analyte list metals (EPA Method 6010) (both filtered and unfiltered samples).

2.4 Chain of Custody

To ensure the integrity of samples taken, a strict chain of custody record was maintained on each sample. This began after sampling with the entry in the sampler's field log book of the sampling details:

a) Date and time of sampling;
b) Sample location (as specific as possible);
c) The unique sample number, size, and container(s) used;
d) Sample description;
e) Weather conditions (if applicable); and
f) Any additional comments.

In addition, a record was kept of the sample's progress from the sample site to the laboratory where it was analyzed. This was the chain-of-custody form. The form included:

a) The sample number;
b) The sampler's name;
c) Date and time of sampling;
d) Location at which the sample was taken, including the address, if possible;
e) A description of the sample, as best known;
f) Signatures of people involved in the chain of possession; and
g) Inclusive dates of possession of each person in the chain.

The chain-of-custody form accompanied the sample throughout its trip to the laboratory. Accompanying the chain-of-custody record, or included in it, was a request to the laboratory for sample analyses. Information required included:

a) Name of person receiving the sample;
b) Laboratory sample number;
c) Date of sample receipt;
d) Sample allocation; and
e) Analyses to be performed.

Finally, on arrival at the laboratory, the sample custodian entered the sample in the laboratory's sample log book. The chain-of-custody is kept on file at the laboratory.

2.5 Laboratory Testing

American Analytical Laboratories (NYSDOH certified, #11418) of Farmingdale, New York, a New York State ELAP-certified laboratory performed all laboratory analysis. The laboratory operates a Quality Assurance/Quality Control (QA/QC) program that

consists of proper laboratory practices (including the required chain-of-custody), an internal quality control program, and external quality control audits by New York State.

3.0 SAMPLE ANALYSIS RESULTS

The analytical data is summarized in eight tables in the Tables section of this report. Complete analytical results, including compounds not detected, are in Appendix B of this report. Soil samples are designated by the boring location and depth below grade. For example, B-3(5'-7') is from boring location B-3 at a depth of five to seven feet below grade. Soil analysis data was generally evaluated relative to the Recommended Soil Clean-up Objective values in the NYS DEC Division of Hazardous Waste Remediation document TAGM 4046, issued in 1994. Groundwater data was evaluated relative to the GA Standards and Guidelines Values contained in NYS DEC TOGS 1.1.1 Ambient Water Quality Handling, Guidance Values and Groundwater Effluent Limitations.

3.1 Field Conditions

Borings were advanced to between three and fifteen feet below grade. Refusal occurred three times at 3 feet below grade at B-2. Because a limited amount of soil was recovered from this boring, only one sample was analyzed from 0'-1' below grade.

The subsurface materials encountered consisted primarily of fill material. The soil was mostly brown to black sand and clay with fragments of schist and pebbles. Wood chips, bricks, coal, ash and slag were noted in the fill material. Coal and ash were mostly observed in borings from the north central portion of the Site (B-4, B-5 and MW-3). The Phase I Environmental Site Assessment stated that a former coal storage yard was indicated on Block 2502 in Sanborn Maps from 1916 and Greenpoint Coal Docks, Inc. was indicated on Tax Block 2472 in Sanborn Maps from 1941 and 1951. Wood chips and bricks were mostly observed in borings from the southern portion of the site (B-1, B-2, B-3, and MW-2). Petroleum odors and elevated PID readings were noted in MW-1, which was located near an operational gas pump and near underground petroleum storage tank(s). An unusual organic- or petroleum-like odor was observed in MW-2 on Block 2502, which also historically contained an extract and a chemical company.

Only a limited amount of groundwater was recovered from all five groundwater wells on-site. Therefore, the wells were not purged prior to sampling and whatever liquid was recovered was used for sample material. After the liquid settled in the sample containers, sediment was evident in most jars.

3.2 Volatile Organic Compounds

Please see Table 2 for a summary of detected volatile organic compounds in soil and groundwater samples. Acetone was detected in B-1(1'-2'), B-1(4'-5'), MW-1(5'-6'), MW-1(8'-9'), MW-2(5'-7') and MW-2(9'-11'). Although two of the levels of acetone detected

(290 ppb and 780 ppb) are above the TAGM Recommended Soil Cleanup Objective, acetone is most likely a field and/or laboratory artifact and likely not actually present in the soil. No other volatile organic compounds were detected in soil samples

Several volatile organic compounds were detected in the groundwater sample from MW-1, including ethylbenzene (8 ppb); m+p xylene (14 ppb); o-xylene (8 ppb); 1,3,5-trimethylbenzene (8 ppb); and 1,2,4-trimethylbenzene (30 ppb). These compounds are typically associated with gasoline. This well is located near a gasoline pump and potential petroleum underground storage tanks. All detected levels were less than the NYS DEC Class GA Drinking Water Standard. No other volatile organic compounds were detected in groundwater samples.

3.3 Semivolatile Organic Compounds

Please see Tables 3 and 4 for a summary of detected semivolatile organic compounds in soil and groundwater samples. The vast majority of the semivolatile organic compounds detected in the soil samples were polycyclic aromatic hydrocarbons (PAHs). PAHs are a class of compounds found in ash, coal, coal tar, coal ash and some petroleum products. PAHs are widely distributed in the urban environment, and the levels detected are generally typical of urban fill material. Borings in the vicinity of the former on-site coal yard (B-3, B-4, B-5 and MW-3) exhibited the most elevated levels of PAHs. Naphthalene was noted in several boring (B-1, B-3, MW-1, MW-2, MW-3 and MW-4), which may be indicative of petroleum contamination. However, the detected levels of naphthalene were all below the TAGM Recommended Soil Cleanup Objectives (RSCOs). Several individual SVOCs were detected above TAGM RSCOs, however total SVOCs (primarily PAHs) for each sample were less than TAGM RSCO of 500,000 ppb. Total levels of SVOCs ranged from 220 ppb to 472,700 ppb.

No semivolatile organic compounds were detected in groundwater samples, except for naphthalene at MW-1 (18 ppb). MW-1 is located near an operational gasoline pump and gasoline underground storage tank(s). The detected level of naphthalene is slightly above the Class GA Guidance Value of 10 ppb; no Standard exists for naphthalene. The Guidance Value is based on protection for aesthetic purposes (odor or color) in drinking water. Groundwater in Brooklyn is not used as a source of drinking water.

3.4 Metals

Please see Tables 5 and 6 for a summary of detected metals (reported in ppm) in soil and groundwater samples (total and dissolved groundwater samples). Only iron was detected above TAGM Objectives in all of the soil sampled (maximum level of 27,360 ppm in MW-3 (0'-2')). Other metals which were detected above the TAGM include barium (maximum level of 429 ppm in MW-3(0'-2')), beryllium (maximum level of 0.598 ppm in B-3(8'-10')), cadmium (maximum level of 2.05 ppm in B-3(1'-3')), chromium (maximum level of 25.7 ppm in MW-2(5'-7')), copper (maximum level of 116 ppm in

MW-2(5'-7')), nickel (maximum level of 22.3 ppm in B-3(1'-3')), zinc (maximum level of 395 ppm in MW-3(0'-2')) and mercury (maximum level of 0.799 ppm in MW-3(0'-2')). The TAGM objectives are based on background values in the Eastern USA, not on risk-based objectives. When compared with US EPA Generic Soil Screening Levels (health-based levels), the detected levels of metals in soil are generally typical of urban fill material and are below levels which would be expected to pose a hazard to human health even if routine exposure were to occur.

Because the wells were not purged prior to sampling, the levels of metals detected in unfiltered samples should not be considered indicative of actual groundwater concentrations. Results were reported in ppm and ppb, however, the Class GA Standards (developed assuming use as drinking water) were reported in ppm. Several metals, including iron, magnesium, manganese and sodium, were detected above Class GA Standards in filtered groundwater samples. These are likely unrelated to site usage and are present throughout the area. The levels are of minimal concern to human health or the environment because extensive dilution would occur following discharge into surface water. Groundwater in Brooklyn is not used as a potable source.

3.5 Pesticides

Please see Table 7 for a summary of detected pesticides in soil samples. Endosulfan I (60 ppb), 4,4'-DDT (9.6 ppb) and endrin keytone (9.2 ppb) were detected in MW-5 (0'-2'). The detected levels are below NYS DEC Class GA Ambient Water Quality Standards. Pesticides were not detected in any of the other soil samples. Pesticides were not analyzed in groundwater samples.

3.6 PCBs

Please see Table 8 for a summary of detected PCBs in soil samples. Aroclor-1254 and Aroclor-1260 were detected in sample B-2(0'-1'). The levels detected at the B-2 location (130 ppb and 170 ppb, respectively) do not exceed the Recommended Soil Clean-up Objective for surface (0'-2')soil, which is total PCBs of 1,000 ppb. PCBs were not analyzed in groundwater samples.

4.0 CONCLUSIONS

Results from this preliminary investigation did not detect extensive soil and/or groundwater contamination at the locations tested. The following conclusions can be made:

- A limited amount of soil and groundwater contamination by semivolatile organic compounds was detected near MW-1, where an operational gasoline pump and presumably tank(s) are currently located. Detected levels of total semivolatile organic compounds in soil samples collected from MW-1 were less than the TAGM

Recommended Soil Cleanup Objective. The groundwater sample from MW-1 contained levels of naphthalene above the Class GA Groundwater Guidance Value. The Guidance Values were developed based on groundwater used as drinking water. As MW-1 was located near a gasoline pump and as several of the detected semivolatile organic compounds are often associated with petroleum contamination, a spill was reported to the New York State Department of Environmental Conservation. The spill number for the property is 0106864;

- Because only low levels of phenols and heavy metals were detected in soil samples, the elevated levels of detected PAHs in soil and groundwater can be more likely attributed to the site's former use as a coal storage yard, than to the potential former usage for pressure treating of lumber; and

- The former New York Dye - Wood Extract and Chemical Company and the New York Quebracho Extract Company were formerly located on Tax Block 2520, Lot 57 and Tax Block 2510. No significant contamination was detected in borings located on these Blocks (B-1, B-2 and MW-1).

Tables

TABLE 1: Soil and Groundwater Sampling Summary

Sample Location	Matrix	Sample Depth(s)	Analytical Parameters				
			VOCs 8260	SVOCs 8270	Pesticides 8081	PCBs 8082	TAL Metals
B-1	soil	1' - 2'	x	x			x
	soil	4'-5'	x	x			x
B-2	soil	0'–1'	x	x	x	x	x
B-3	soil	1'-3'	x	x			x
	soil	8'-10'	x	x			x
B-4	soil	2'-4'	x	x			x
	soil	6'-8'	x	x			x
B-5	soil	2'-4'	x	x	x	x	x
	soil	5'-7'	x	x			x
MW-1	soil	5'-6'	x	x			x
	soil	8'-9'	x	x			x
	liquid		x	x			f/u
MW-2	soil	5'-7'	x	x			x
	soil	9'-11'	x	x			x
	liquid		x	x			f/u
MW-3	soil	0'-2'	x	x	x	x	x
	soil	5'-7'	x	x			x
	liquid		x	x			f/u
MW-4	soil	0'-2'	x	x			x
	soil	13'-15'	x	x			x
	liquid		x	x			f/u
MW-5	soil	0'-2'	x	x	x	x	x
	soil	4'-6'	x	x			x
	liquid		x	x			f/u

Notes:

f/u = filtered and unfiltered samples

Table 2: Levels of Volatile Organic Compounds Detected in Soil and Groundwater Samples

Parameter	B-1 (1'-2') Soil (ppb)	B-1 (4'-5') Soil (ppb)	MW-1 (5'-6') Soil (ppb)	MW-1 (8'-9) Soil (ppb)	MW-2 (5'-7') Soil (ppb)	MW-2 (9'-11') Soil (ppb)	MW-1 Liquid (ppb)	TAGM Recommended Soil Cleanup Objective (ppb)	NYS DEC Class GA Drinking Water Standard (ppb)
acetone	290	110	780	96	130	120		200	50
ethylbenzene							8	5,500	5
m+p xylene							14	1,200	5
o-xylene							8	1,200	5
1,3,5-trimethylbenzene							8	3,300	5
1,2,4-trimethylbenzene							8	10,000	5

Table 3: Levels of Semivolatile Organic Compounds Detected in Soil Samples

Parameter	B-1 (1'-2') Soil (ppb)	B-1 ('4-5') Soil (ppb)	B-2 (0'-1') Soil (ppb)	B-3 (1'-3') Soil (ppb)	B-3 (8'-10') Soil (ppb)	B-4 (2'-4') Soil (ppb)	B-4 (6'-8') Soil (ppb)	B-5 (2'-4') Soil (ppb)	B-5 (5'-7') Soil (ppb)	MW-1 (5'-6') Soil (ppb)	MW-1 (8'-9') Soil (ppb)	MW-2 (5'-7') Soil (ppb)	MW-2 (9'-11') Soil (ppb)	MW-3 (0'-2') Soil (ppb)	MW-3 (5'-7') Soil (ppb)	MW-4 (0'-2') Soil (ppb)	MW-4 (13'-15') Soil (ppb)	MW-5 (0'-2') Soil (ppb)	MW-5 (4'-6') Soil (ppb)	TAGM Recommended Soil Cleanup Objective (ppb)
2-methylphenol												220		190						100 or MDL
benzoic acid	280								200	230							170			2,700
napthlanene	110			460	87						110		74		3,800		150			13,000
2-Methylnapthalene	130	95	100	1,200					28		88	590	56		1,500	1,600	120			36,400
acenaphthylene			150	120								170	68	170	620		120	460	1,200	41,000
acenaphthene			240	80	170				53		100	270	140	200	3,800	6,100	360			50,000
dibenzofuran				170	95				47		46	210	98	98	2,300	2,800	220		640	6,200
fluorene			320	280	140				61		100	500	190	250	4,500	5,300	380	450	1,200	50,000*
phenanthrene	170	160	3,900	1,400	1,500	640		120	570		800	3,200	1,200	2,800	31,000	79,000	6,100	7,300	15,000	50,000*
anthracene	45		980	260	380	130			130		190	750	370	670	7,600	9,200	830	1,400	3,300	50,000*
carbazole			210	90	110				60		91		110	300	3,300	6,200	590	540	1,000	--
di-n-butyl phthlate				110																8,100
fluoranthene	230	150	5,600	1,100	2,100	1,500		150	490		690	4,900	1,300	4,400	30,000	86,000	7,100	11,000	20,000	50,000*
pyrene	290	220	7,800	990	2,100	2,700		200	460		780	4,500	1,200	3,900	24,000	76,000	5,900	10,000	18,000	50,000*
benzo-(a)-anthracene	140	110	4,000	570	970	1,200		87	220		360	2,100	910	2,000	12,000	30,000	2,600	5,400	9,200	224 or MDL
chrysene	160	140	4,400	740	1,000	1,400		110	220		380	2,800	940	2,200	11,000	38,000	3,200	5,300	9,000	400
bis(2-ethylhexy)phthalate	730	840	440	110	460		220	2,400	2,500	2,200	1,600	910	660	100	660			350	430	50,000*
benzo-(b)-fluoranthene	270	260	6,000	520	940	1,800		120	300		510	3,200	1,400	2,500	13,000	40,000	3,400	4,700	10,000	1,100
benzo-(k)-fluoranthene	280	270	6,400	360	670	1,900		130	310		540	3,400	1,500	880	4,500	14,000	1,400	4,100	3,400	1,100
benzo-(a)-pyrene	170	150	3,800	500	950	1,300		92	220		310	1,800	840	2,000	10,000	31,000	2,600	5,000	8,200	61 or MDL
indeno(1,2,3-c,d)pyrene		96	540	310	550	1,100		69	150		240	1,100	83	1,200	5,600	20,000	1,900	3,200	4,900	3,200
dibenzo-(a,h)-anthracene			1,100	110	150	100					86	520	190	340	1,700	5,500	490	820	1,400	14 or MDL
benzo-(g,h,i)-perylene	170	100	2,800	340	620	1,200		94	170		230	1,300	440	1,300	5,200	22,000	2,000	3,400	5,000	50,000*
TOTAL:	**3,175**	**2,591**	**48,780**	**9,820**	**12,992**	**14,970**	**220**	**3,572**	**6,289**	**2,430**	**7,251**	**32,440**	**11,770**	**25,498**	**176,080**	**472,700**	**39,630**	**92,220**	**111,870**	**500,000***

Notes:

-- No TAGM Objective given for this parameter.

* As per TAGM #4046, total VOCs < 10,000 ppb, total non-carcinogenic Semi-VOCs < 500,000 ppb, individual non-carcinogenic Semi-VOCs < 50,000 ppb, and total carcinogenic semi-VOCs < 10,000

MDL = Method Detection Limit

Table 4: Levels of Semivolatile Organic Compounds Detected in Groundwater Samples

Parameter	MW-1 Liquid (ppb)	NYS DEC Class GA Ambient Water Quality Guidance Value (ppb)
naphthalene	18	10

Table 5: Levels of Metals Detected in Soil Samples

Parameter	B-1 (1'-2') Soil (ppm)	B-1 ('4-5') Soil (ppm)	B-2 (0'-1') Soil (ppm)	B-3 (1'-3') Soil (ppm)	B-3 (8'-10') Soil (ppm)	B-4 (2'-4') Soil (ppm)	B-4 (6'-8') Soil (ppm)	B-5 (2'-4') Soil (ppm)	B-5 (5'-7') Soil (ppm)	MW-1 (5'-6') Soil (ppm)	MW-1 (8'-9') Soil (ppm)	MW-2 (5'-7') Soil (ppm)	MW-2 (9'-11') Soil (ppm)	MW-3 (0'-2') Soil (ppm)	MW-3 (5'-7') Soil (ppm)	MW-4 (0'-2') Soil (ppm)	MW-4 (13'-15') Soil (ppm)	MW-5 (0'-2') Soil (ppm)	MW-5 (4'-6') Soil (ppm)	TAGM Recommended Soil Cleanup Objective (ppm)
silver				0.845							0.633									SB
aluminum	7,584	6.432	2,569	2,981	10,192	3,783	751	3,481	8,197	2,904	5,040	4,525	6,270	17,314	8,150	3,000	3,028	5,445	1,864	SB
barium	35.5	44.5	51.4	103	73.5	68.4	11.3	127	33.0	16.0	48.6	108	87.2	429	119	51.3	23.3	54.6	5.22	300 or SB
beryllium					0.598															0.16 or SB
calcium	6,960	6,144	75,688	3,043	24,871	3,905	2,750	14,069	1,237	1,545	4,282	4,131	15,485	24,325	1,695	3,950	1,196	72,765	8,371	SB
cadmium	0.058			2.05										0.667				0.554		1 or SB
cobalt				2.52		0.608	1.68			0.528		0.597				0.999	1.53			30 or SB
chromium	11.1	11.7	3.89	5.95	9.05	7.32	2.65	4.27	9.66	6.76	8.04	25.7	7.35	19.2	14.90	6.49	7.15	4.04		10 or SB
copper	16.5	18.2	32.2	72.8	53.3	44.5	11.4	5.30	16.2	7.67	14.1	116	40.6	67.5	57.6	25.7	14.5	14.1	1.68	25 or SB
iron	14,880	16,464	8,477	15,216	9,771	12,005	3,344	5,655	14,793	7,304	9,456	13,123	13.348	27,360	17,950	9,360	9,875	7,128	5,874	2,000 or SB
potassium	474	507		647	3,796	384	117		357	306	396	1,549	2,052	385	496	342	512	14,929	12.3	SB
magnesium	1896	3,638	34,773	1,906	4,558	1,019	1,121	2,637	2,561	2,209	1,747	3,534	2,617	6,156	2,010	1,056	1,649	20,939	1,156	SB
manganese	190	311	134	246	93.7	110	17.5	61.4	170	66.2	100	71.3	219	255	262	132	289	83.4	1.76	SB
sodium	189	151	209	146	438	419	318	136	74.7	140	172	153	160	83.6	101	97.5	84.4	350	13.8	SB
nickel	9.08	9.79	6.35	22.3	8.79	16.9	6.04	4.14	9.22	6.76	8.0	20.8	7.03	10.0	9.44	7.43	7.55	4.89		13 or SB
lead	32.4	31.1	61.1	191	150	380	8.54	291	12.5	3.57	75.4	77.8	329	315	294	56.0	10.3	122	12.3	SB
antimony						21.7						3.60								SB
vanadium	17.7	23.4	80.4	9.56	19.8	13.1	4.91	9.28	14.2	10.6	13.2	28.8	14.1	20.5	20.4	13.9	12.1	43.9		150 or SB
zinc	25.7	47.4	66.4	321	39.2	75.6	6.53	129	31.8	13.2	37.8	127	47.5	395	220	60.3	41.4	164	2.72	20 or SB
mercury		0.140	0.105	0.119			0.107		0.103	0.114	0.338		0.94	0.799	1.12	0.200	0.101	0.330	0.157	0.1

NOTES:

SB = site background

Table 6: Levels of Metals Detected in Groundwater Samples (Total and Dissolved)

Parameter	MW-1 Liquid Total (ppb)	MW-1 Liquid Dissolved (ppb)	MW-2 Liquid Total (ppm)	MW-2 Liquid Dissolved (ppm)	MW-3 Liquid Total (ppm)	MW-3 Liquid Dissolved (ppm)	MW-4 Liquid Total (ppm)	MW-4 Liquid Dissolved (ppm)	MW-5 Liquid Total (ppm)	MW-5 Liquid Dissolved (ppm)	Class GA Ambient Water Quality Standard (ppm)
silver			134								0.05
aluminum	195	152	98.2	1.38	41.0	0.605	1,128	0.870	172	1.60	--
barium	2.18	0.126	2.74	0.048	1.13	0.063	8.25	0.054	11.4		1
calcium	168	88.8	1,513	346	92.7	70.3	296	127	1,163	313	--
cobalt			0.348				0.429				--
chromium	0.906		0.517		0.09		3.09		0.465		0.05
copper	0.858		3.05		1.63		7.05		3.61		0.2
iron	765	1.25	643	0.309	81.5	0.196	3,650	0.626	727		0.3
potassium	29.9	11.3	36.8	19.4	27.1	27.3	187	2.73	22.5	13.3	--
magnesium	124	43.2	113	59.6	93.0	69.9	558	18.8	171	55.1	35*
manganese	22.4	2.53	10.4	1.37	1.82	0.517	109	6.32	7.61	0.350	0.3
sodium	231	311	95.2	85.1	445	474	20.6	14.3	110	96.8	20
nickel	0.516		1.1		0.068		3.06		0.633		--
lead	0.355		5.83		1.28		2.39		23.6		0.025
antimony			0.076								0.003*
vanadium	0.812	0.163	0.812	0.188	0.237	0.198	3.41	0.066	0.897	0.173	--
zinc	3.47		6.86	0.053	2.11	0.122	11.8	0.032	9.62		0.3
mercury	0.0035		0.011				0.002		0.003		0.002

NOTES:

– No Standard or Guidance Value given for this parameter

* Guidance Value; no Standard exists for this parameter

Table 7: Levels of Pesticides Detected in Soil Samples

Parameter	MW-5 (0'-2') Soil (ppb)	TAGM 4046 Recommended Soil Cleanup Objective (ppb)
endosulfan I	60	900
4,4'-DDT	9.6	2,100
endrin ketone	9.2	--

Notes:

-- No Recommended Soil Cleanup Objective exists for this parameter

Table 8: Levels of PCBs Detected in Soil Samples

Parameter	B-2(0'-1') Soil (ppb)	TAGM Recommended Soil Cleanup Objective (ppb)
Archlor-1254	130	
Archlor-1260	170	
	TOTAL: 300	**1,000 for surface (0'-2') soil**

APPENDIX A

BORING LOGS

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-1

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT		0-1	SS			NA	
		Black sandy soil with FILL (brick chips, wood, resin)		*1-2	SS			58.8	
				2-3	SS			2.4	
				3-4	SS			1.4	
		Brown-black clayey soil with pebbles.		*4-5	SS			42.5	
5		Black FILL with wood chips.		5-6	SS			18.4	
		Light brown sandy soil with wood chips.		6-7	SS			0.6	
		Light brown sandy soil with wood chips.		7-8	SS			0.2	Wet at 8'
10		Groundwater encountered at approximately 8 feet below grade. *Soil sample sent to laboratory. SS - soil sample NA - not analyzed							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-2

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		White and black SILT with Fill.		*0-1	SS			3.5	
		Red BRICK.		1-2	SS			0.7	
		ROCK (granite - schist).		2-3	SS			1.8	
		End of boring at approximately 3 feet below grade due to refusal. Groundwater not encountered. *Soil sample sent to laboratory. SS - soil sample							
5									

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-3

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT, concrete and sand.		0-1	SS			0.2	
		Black FILL with coal, brick and sand, some slag.		*1-3	SS			0.1	
		same as above						0.1	
				3-4	SS			ND	
				4-5	SS			0.1	
5				5-6	SS			0.1	
		Light brown SILT and fine SAND with misc. Fill (brick, ash, coal), some black fill.		6-7	SS			ND	
		same as above		7-8	SS			0.1	
				*8-10	SS			ND	
					SS			ND	Wet at 10'
10									
		Groundwater encountered at appoximately 10 feet below grade. *Soil sample sent to laboratory. SS - soil sample ND - not detected							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/17/01
Finish Date: 8/17/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-4

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		Asphalt.		0-1	SS			NA	
		Concrete.		1-2	SS			NA	
		Black silty soil with fill (ash, brick, coal, slag).		*2-4	SS			0.2	
		same as above.						0.3	
				4-5	SS			0.2	
5				5-6	SS			0.4	
				*6-8	SS			0.1	
								0.2	Wet at 8'
		Groundwater encountered at approximately 8 feet below grade. *Soil sample sent to laboratory. SS - soil sample NA - not analyzed							
10									

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: B-5

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT.		0-1	SS			2.5	
		FILL (coal, ash).		1-2	SS			0.2	
		Orange SILT		*2-4	SS			1.7	
		Red SILT							
		Rock, ash, coal, slag (FILL)						1.3	
		same as above.		4-5	SS			1.7	
5		Fine to medium SAND and SILT with layers of silty Clay		*5-7	SS			0.4	
		Silty CLAY						1.1	Wet at 7'
		Groundwater encountered at approximately 7 feet below grade. *Soil sample sent to laboratory. SS - soil sample.							
10									

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-1

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		CONCRETE		0-1.5	SS			NA	
		Black stained clayey soil.		1.5-2.5	SS			542	
		Light brown sandy soil.		2.5-3.5	SS			1152	petrol-like odor
				3.5-4	SS			724	
				4-5	SS			1201	
5		Light brown clayey soil.		*5-6	SS			1888	petrol-like odor
				6-7	SS			669	
				7-8	SS			1160	
		Dark brown clayey soil.		*8-9	SS			1319	
		Dark brown sandy soil.		9-10	SS			38.4	
10		Orange-yellow sandy soil.		10-11	SS			2.7	wet at 11'
				11-12	SS			2.7	
		Orange-brown sandy soil.		12-13	SS			23.1	
				13-14	SS			4.4	refusal at 14'
15		End of boring at approximately 14' below grade due to refusal. Groundwater encountered at approximately 11' below grade. Temporary monitor well installed and groundwater sample collected. *Soil sample sent to laboratory. SS - soil sample NA - not analyzed							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-2

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT							
		FILL (brick, schist, coal, ash).		1-2	SS			0.2	
		FILL (brick, schist, coal, ash, concrete).		2-3	SS			0.1	
		Same as above.		3-4	SS			0.2	
		FILL (concrete)		4-5	SS			1.4	
5		Black silty FILL with wood, slag, ash. Organic/petroelum odor.		*5-7	SS			14.7	
		Same as above. Same organic/petroleum odor.			SS			2.3	
		Black/brown sandy SILT. Organic/petroleum odor.		7-8	SS			0.9	
		Same as above.		8-9	SS			NA	
10				*9-11	SS			NA	
		End of boring at approximately 11' below grade. Temporary well installed and groundwater sample collected. * soil sample sent to laboratory SS - soil sample NA - not analyzed							
15									

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/16/01
Finish Date: 8/16/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-3

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		Light brown silty SAND, some slag.		*0-2	SS			0.1	
								ND	
				2-3	SS			0.1	
		FILL (wood, slag, brick, ash, coal).		3-4	SS			0.1	
		Light brown silty SAND		4-5	SS			ND	
5		Same as above.		*5-7	SS			0.1	
								ND	Wet at 7'
		Groundwater encountered at approximately 7 feet below grade. Temporary well installed and groundwater sample collected. *Soil sample sent to laboratory. SS - soil sample ND - not detected							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/17/01
Finish Date: 8/17/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-4

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		ASPHALT							
		Black FILL with coal, slag, coarse Sand.		*0-2	SS			3.0	
					SS			0.4	
		Medium to coarse, orange-brown SAND, some pebbles, schist fragments.		2-3	SS			ND	
		Same as above.		3-4	SS			ND	
				4-5	SS			ND	
5				5-6	SS			ND	
				6-7	SS			ND	
				7-8	SS			ND	
				8-9	SS			0.7	
				9-10	SS			ND	
10				10-11	SS			ND	
				11-12	SS			ND	
				12-13	SS			1.0	
		Medium to coarse, orange-brown SAND, some pebbles, schist fragments. 2" Silty SAND lens at 14'.		*13-15	SS			ND	
					SS			ND	Wet at 15'
15									
		Groundwater encountered at approximately 15 feet below grade. Temporary well installed and groundwater sample collected. *Soil sample sent to laboratory. SS - soil sample ND - not detected							

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/17/01
Finish Date: 8/17/01

AKRF, Inc.

Environmental Consultants

117 East 29th Street
New York, NY 10016
Phone: 212.696.0670
Faz: 212.447.5546

Log of Boring: MW-5

Project Number: 30260-0005
Project Name: Greenpoint Lumber Yard
Address: Brooklyn, NY

Depth	Symbol	Description	Sample	Number	Type	Blow Counts	Recovery	OVM	Remarks
		FILL (bricks, concrete, coal, ash, wood)		*0-2	SS			ND	
					SS			ND	
				2-3	SS			ND	
				3-4	SS			ND	
				*4-6	SS			ND	
5					SS			0.3	Wet at 6'

Groundwater encountered at approximately 6 feet below grade.
Temporary monitor well installed and groundwater sample collected.
*Soil sample sent to laboratory.
SS - soil sample
ND - not detected

Driller: Aquifer Drilling and Testing
Drill Method: Geoprobe
Borehole Diameter: 2 Inches
Water Level:
GS Elevation: -6 Feet

Logged By: MS/MM
Checked By: MS
Start Date: 8/17/01
Finish Date: 8/17/01

APPENDIX B

LABORATORY ANALYSIS RESULTS

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	NYS DEC
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8260									
PARAMETER	CAS No.								
Dichlorodifluoromethane	75-71-8	<5	<5	<5	<5	<5	<5	*	5
Chloromethane	74-87-3	<5	<5	<5	<5	<5	<5	*	*
Vinyl Chloride	75-01-4	<5	<5	<5	<5	<5	<5	200	2
Bromomethane	74-83-9	<5	<5	<5	<5	<5	<5	*	5
Chloroethane	75-00-3	<5	<5	<5	<5	<5	<5	1,900	50
Trichlorofluoromethane	75-69-4	<5	<5	<5	<5	<5	<5	*	5
Acetone	67-64-1	290	110	<5	<5	<5	<5	200	50
1,1-Dichloroethene	75-35-4	<5	<5	<5	<5	<5	<5	400	5
Vinyl Acetate	108-05-4	<5	<5	<5	<5	<5	<5	*	*
Carbon Disulfide	75-15-0	<5	<5	<5	<5	<5	<5	2,700	50
Methylene Chloride	75-09-2	<5	<5	<5	<5	<5	<5	100	5
trans-1,2-Dichloroethene	156-60-5	<5	<5	<5	<5	<5	<5	300	5
1,1-Dichloroethane	75-34-3	<5	<5	<5	<5	<5	<5	200	5
2-Butanone	78-93-3	<5	<5	<5	<5	<5	<5	300	50
2,2-Dichloropropane	594-20-7	<5	<5	<5	<5	<5	<5	*	5
cis-1,2-Dichloroethene	156-59-2	<5	<5	<5	<5	<5	<5	*	5
Chloroform	67-66-3	<5	<5	<5	<5	<5	<5	300	7
Bromochloromethane	74-97-5	<5	<5	<5	<5	<5	<5	*	5
1,1,1-Trichloroethane	71-55-6	<5	<5	<5	<5	<5	<5	800	5
1,1-Dichloropropene	563-58-6	<5	<5	<5	<5	<5	<5	*	5
Carbon Tetrachloride	56-23-5	<5	<5	<5	<5	<5	<5	600	5
2-Chloroethyl vinyl ether	110-75-8	<5	<5	<5	<5	<5	<5	*	*
1,2-Dichloroethane	107-06-2	<5	<5	<5	<5	<5	<5	100	5
Benzene	71-43-2	<5	<5	<5	<5	<5	<5	60	0.7
Trichloroethene	79-01-6	<5	<5	<5	<5	<5	<5	700	5
1,2-Dichloropropane	78-87-5	<5	<5	<5	<5	<5	<5	*	1
Bromodichloromethane	75-27-4	<5	<5	<5	<5	<5	<5	*	50
4-Methyl-2-Pentanone	108-10-1	<5	<5	<5	<5	<5	<5	1,000	50
Dibromomethane	74-95-3	<5	<5	<5	<5	<5	<5	*	5
cis-1,3-Dichloropropene	10061-01-5	<5	<5	<5	<5	<5	<5	*	5
Toluene	108-88-3	<5	<5	<5	<5	<5	<5	1,500	5
trans-1,3-Dichloropropene	10061-02-6	<5	<5	<5	<5	<5	<5	*	*
1,1,2-Trichloroethane	79-00-5	<5	<5	<5	<5	<5	<5	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	NYS DEC
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8260									
Parameter	CAS No.								
2-Hexanone	591-78-6	<5	<5	<5	<5	<5	<5	*	**50
1,3-Dichloropropane	142-28-9	<5	<5	<5	<5	<5	<5	300	5
Tetrachloroethene	127-18-4	<5	<5	<5	<5	<5	<5	1,400	5
Chlorodibromomethane	124-48-1	<5	<5	<5	<5	<5	<5	*	*
1,2-Dibromoethane	106-93-4	<5	<5	<5	<5	<5	<5	*	*
Chlorobenzene	108-90-7	<5	<5	<5	<5	<5	<5	1,700	5
1,1,1,2-Tetrachloroethane	630-20-6	<5	<5	<5	<5	<5	<5	*	5
Ethylbenzene	100-41-4	<5	<5	<5	<5	<5	<5	5,500	5
m+p Xylene	108-38-3/106-42-3	<10	<10	<10	<10	<10	<10	1,200	5
o-Xylene	95-47-6	<5	<5	<5	<5	<5	<5	1,200	5
Styrene	100-42-5	<5	<5	<5	<5	<5	<5	*	5
Isopropylbenzene	98-82-8	<5	<5	<5	<5	<5	<5	*	5
Bromoform	75-25-2	<5	<5	<5	<5	<5	<5	*	**50
1,2,3-Trichloropropane	96-18-4	<5	<5	<5	<5	<5	<5	400	5
n-Propylbenzene	103-65-1	<5	<5	<5	<5	<5	<5	*	5
Bromobenzene	108-86-1	<5	<5	<5	<5	<5	<5	*	5
1,3,5-Trimethylbenzene	108-67-8	<5	<5	<5	<5	<5	<5	*	5
2-Chlorotoluene	95-49-8	<5	<5	<5	<5	<5	<5	*	5
4-Chlorotoluene	106-43-4	<5	<5	<5	<5	<5	<5	*	5
tert-Butylbenzene	98-06-6	<5	<5	<5	<5	<5	<5	*	5
1,2,4-Trimethylbenzene	95-63-6	<5	<5	<5	<5	<5	<5	*	5
sec-Butylbenzene	135-98-8	<5	<5	<5	<5	<5	<5	*	5
4-Isopropyltoluene	99-87-6	<5	<5	<5	<5	<5	<5	*	5
1,1,2,2-Tetrachloroethane	79-34-5	<5	<5	<5	<5	<5	<5	600	5
1,3-Dichlorobenzene	541-73-1	<5	<5	<5	<5	<5	<5	1,600	5
1,4-Dichlorobenzene	106-46-7	<5	<5	<5	<5	<5	<5	8,500	5
1,2-Dichlorobenzene	95-50-1	<5	<5	<5	<5	<5	<5	7,900	4.7
n-Butylbenzene	104-51-8	<5	<5	<5	<5	<5	<5	*	5
1,2-Dibromo-3-chloropropane	96-12-8	<5	<5	<5	<5	<5	<5	*	0.04
1,2,4-Trichlorobenzene	120-82-1	<5	<5	<5	<5	<5	<5	3,400	5
Hexachlorobutadiene	87-68-3	<5	<5	<5	<5	<5	<5	*	0.5
Naphthalene	91-20-3	<5	<5	<5	<5	<5	<5	*	**10
1,2,3-Trichlorobenzene	87-61-6	<5	<5	<5	<5	<5	<5	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8260									
PARAMETER	CAS No.								
Dichlorodifluoromethane	75-71-8	<5	<5	<5	<1	<5	<5	*	5
Chloromethane	74-87-3	<5	<5	<5	<1	<5	<5	*	*
Vinyl Chloride	75-01-4	<5	<5	<5	<1	<5	<5	200	2
Bromomethane	74-83-9	<5	<5	<5	<1	<5	<5	*	5
Chloroethane	75-00-3	<5	<5	<5	<1	<5	<5	1,900	50
Trichlorofluoromethane	75-69-4	<5	<5	<5	<1	<5	<5	*	5
Acetone	67-64-1	<5	780	96	<1	130	120	200	50
1,1-Dichloroethene	75-35-4	<5	<5	<5	<1	<5	<5	400	5
Vinyl Acetate	108-05-4	<5	<5	<5	<1	<5	<5	*	*
Carbon Disulfide	75-15-0	<5	<5	<5	<1	<5	<5	2,700	50
Methylene Chloride	75-09-2	<5	<5	<5	<1	<5	<5	100	5
trans-1,2-Dichloroethene	156-60-5	<5	<5	<5	<1	<5	<5	300	5
1,1-Dichloroethane	75-34-3	<5	<5	<5	<1	<5	<5	200	5
2-Butanone	78-93-3	<5	<5	<5	<1	<5	<5	300	50
2,2-Dichloropropane	594-20-7	<5	<5	<5	<1	<5	<5	*	5
cis-1,2-Dichloroethene	156-59-2	<5	<5	<5	<1	<5	<5	*	5
Chloroform	67-66-3	<5	<5	<5	<1	<5	<5	300	7
Bromochloromethane	74-97-5	<5	<5	<5	<1	<5	<5	*	5
1,1,1-Trichloroethane	71-55-6	<5	<5	<5	<1	<5	<5	800	5
1,1-Dichloropropene	563-58-6	<5	<5	<5	<1	<5	<5	*	5
Carbon Tetrachloride	56-23-5	<5	<5	<5	<1	<5	<5	600	5
2-Chloroethyl vinyl ether	110-75-8	<5	<5	<5	<1	<5	<5	*	*
1,2-Dichloroethane	107-06-2	<5	<5	<5	<1	<5	<5	100	5
Benzene	71-43-2	<5	<5	<5	<1	<5	<5	60	0.7
Trichloroethene	79-01-6	<5	<5	<5	<1	<5	<5	700	5
1,2-Dichloropropane	78-87-5	<5	<5	<5	<1	<5	<5	*	1
Bromodichloromethane	75-27-4	<5	<5	<5	<1	<5	<5	*	50
4-Methyl-2-Pentanone	108-10-1	<5	<5	<5	<1	<5	<5	1,000	50
Dibromomethane	74-95-3	<5	<5	<5	<1	<5	<5	*	5
cis-1,3-Dichloropropene	10061-01-5	<5	<5	<5	<1	<5	<5	*	5
Toluene	108-88-3	<5	<5	<5	<1	<5	<5	1,500	5
trans-1,3-Dichloropropene	10061-02-6	<5	<5	<5	<1	<5	<5	*	*
1,1,2-Trichloroethane	79-00-5	<5	<5	<5	<1	<5	<5	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8260									
Parameter	CAS No.								
2-Hexanone	591-78-6	<5	<5	<5	<1	<5	<5	*	**50
1,3-Dichloropropane	142-28-9	<5	<5	<5	<1	<5	<5	300	5
Tetrachloroethene	127-18-4	<5	<5	<5	<1	<5	<5	1,400	5
Chlorodibromomethane	124-48-1	<5	<5	<5	<1	<5	<5	*	*
1,2-Dibromoethane	106-93-4	<5	<5	<5	<1	<5	<5	*	*
Chlorobenzene	108-90-7	<5	<5	<5	<1	<5	<5	1,700	5
1,1,1,2-Tetrachloroethane	630-20-6	<5	<5	<5	<1	<5	<5	*	5
Ethylbenzene	100-41-4	<5	8	<5	<1	<5	<5	5,500	5
m+p Xylene	108-38-3/106-42-3	<10	14	<10	<2	<10	<10	1,200	5
o-Xylene	95-47-6	<5	8	<5	<1	<5	<5	1,200	5
Styrene	100-42-5	<5	<5	<5	<1	<5	<5	*	5
Isopropylbenzene	98-82-8	<5	<5	<5	<1	<5	<5	*	5
Bromoform	75-25-2	<5	<5	<5	<1	<5	<5	*	**50
1,2,3-Trichloropropane	96-18-4	<5	<5	<5	<1	<5	<5	400	5
n-Propylbenzene	103-65-1	<5	<5	<5	<1	<5	<5	*	5
Bromobenzene	108-86-1	<5	<5	<5	<1	<5	<5	*	5
1,3,5-Trimethylbenzene	108-67-8	<5	8	<5	<1	<5	<5	*	5
2-Chlorotoluene	95-49-8	<5	<5	<5	<1	<5	<5	*	5
4-Chlorotoluene	106-43-4	<5	<5	<5	<1	<5	<5	*	5
tert-Butylbenzene	98-06-6	<5	<5	<5	<1	<5	<5	*	5
1,2,4-Trimethylbenzene	95-63-6	<5	30	<5	<1	<5	<5	*	5
sec-Butylbenzene	135-98-8	<5	<5	<5	<1	<5	<5	*	5
4-Isopropyltoluene	99-87-6	<5	<5	<5	<1	<5	<5	*	5
1,1,2,2-Tetrachloroethane	79-34-5	<5	<5	<5	<1	<5	<5	600	5
1,3-Dichlorobenzene	541-73-1	<5	<5	<5	<1	<5	<5	1,600	5
1,4-Dichlorobenzene	106-46-7	<5	<5	<5	<1	<5	<5	8,500	5
1,2-Dichlorobenzene	95-50-1	<5	<5	<5	<1	<5	<5	7,900	4.7
n-Butylbenzene	104-51-8	<5	<5	<5	<1	<5	<5	*	5
1,2-Dibromo-3-chloropropane	96-12-8	<5	<5	<5	<1	<5	<5	*	0.04
1,2,4-Trichlorobenzene	120-82-1	<5	<5	<5	<1	<5	<5	3,400	5
Hexachlorobutadiene	87-68-3	<5	<5	<5	<1	<5	<5	*	0.5
Naphthalene	91-20-3	<5	<5	<5	<1	<5	<5	*	**10
1,2,3-Trichlorobenzene	87-61-6	<5	<5	<5	<1	<5	<5	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	NYS DEC
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8260									
PARAMETER	CAS No.								
Dichlorodifluoromethane	75-71-8	<5	<5	<1	<5	<5	<1	*	5
Chloromethane	74-87-3	<5	<5	<1	<5	<5	<1	*	*
Vinyl Chloride	75-01-4	<5	<5	<1	<5	<5	<1	200	2
Bromomethane	74-83-9	<5	<5	<1	<5	<5	<1	*	5
Chloroethane	75-00-3	<5	<5	<1	<5	<5	<1	1,900	50
Trichlorofluoromethane	75-69-4	<5	<5	<1	<5	<5	<1	*	5
Acetone	67-64-1	<5	<5	<1	<5	<5	<1	200	50
1,1-Dichloroethene	75-35-4	<5	<5	<1	<5	<5	<1	400	5
Vinyl Acetate	108-05-4	<5	<5	<1	<5	<5	<1	*	*
Carbon Disulfide	75-15-0	<5	<5	<1	<5	<5	<1	2,700	50
Methylene Chloride	75-09-2	<5	<5	<1	<5	<5	<1	100	5
trans-1,2-Dichloroethene	156-60-5	<5	<5	<1	<5	<5	<1	300	5
1,1-Dichloroethane	75-34-3	<5	<5	<1	<5	<5	<1	200	5
2-Butanone	78-93-3	<5	<5	<1	<5	<5	<1	300	50
2,2-Dichloropropane	594-20-7	<5	<5	<1	<5	<5	<1	*	5
cis-1,2-Dichloroethene	156-59-2	<5	<5	<1	<5	<5	<1	*	5
Chloroform	67-66-3	<5	<5	<1	<5	<5	<1	300	7
Bromochloromethane	74-97-5	<5	<5	<1	<5	<5	<1	*	5
1,1,1-Trichloroethane	71-55-6	<5	<5	<1	<5	<5	<1	800	5
1,1-Dichloropropene	563-58-6	<5	<5	<1	<5	<5	<1	*	5
Carbon Tetrachloride	56-23-5	<5	<5	<1	<5	<5	<1	600	5
2-Chloroethyl vinyl ether	110-75-8	<5	<5	<1	<5	<5	<1	*	*
1,2-Dichloroethane	107-06-2	<5	<5	<1	<5	<5	<1	100	5
Benzene	71-43-2	<5	<5	<1	<5	<5	<1	60	0.7
Trichloroethene	79-01-6	<5	<5	<1	<5	<5	<1	700	5
1,2-Dichloropropane	78-87-5	<5	<5	<1	<5	<5	<1	*	1
Bromodichloromethane	75-27-4	<5	<5	<1	<5	<5	<1	*	50
4-Methyl-2-Pentanone	108-10-1	<5	<5	<1	<5	<5	<1	1,000	50
Dibromomethane	74-95-3	<5	<5	<1	<5	<5	<1	*	5
cis-1,3-Dichloropropene	10061-01-5	<5	<5	<1	<5	<5	<1	*	5
Toluene	108-88-3	<5	<5	<1	<5	<5	<1	1,500	5
trans-1,3-Dichloropropene	10061-02-6	<5	<5	<1	<5	<5	<1	*	*
1,1,2-Trichloroethane	79-00-5	<5	<5	<1	<5	<5	<1	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	NYS DEC
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8260									
Parameter	CAS No.								
2-Hexanone	591-78-6	<5	<5	<1	<5	<5	<1	*	**50
1,3-Dichloropropane	142-28-9	<5	<5	<1	<5	<5	<1	300	5
Tetrachloroethene	127-18-4	<5	<5	<1	<5	<5	<1	1,400	5
Chlorodibromomethane	124-48-1	<5	<5	<1	<5	<5	<1	*	*
1,2-Dibromoethane	106-93-4	<5	<5	<1	<5	<5	<1	*	*
Chlorobenzene	108-90-7	<5	<5	<1	<5	<5	<1	1,700	5
1,1,1,2-Tetrachloroethane	630-20-6	<5	<5	<1	<5	<5	<1	*	5
Ethylbenzene	100-41-4	<5	<5	<1	<5	<5	<1	5,500	5
m+p Xylene	108-38-3/106-42-3	<10	<10	<2	<10	<10	<2	1,200	5
o-Xylene	95-47-6	<5	<5	<1	<5	<5	<1	1,200	5
Styrene	100-42-5	<5	<5	<1	<5	<5	<1	*	5
Isopropylbenzene	98-82-8	<5	<5	<1	<5	<5	<1	*	5
Bromoform	75-25-2	<5	<5	<1	<5	<5	<1	*	**50
1,2,3-Trichloropropane	96-18-4	<5	<5	<1	<5	<5	<1	400	5
n-Propylbenzene	103-65-1	<5	<5	<1	<5	<5	<1	*	5
Bromobenzene	108-86-1	<5	<5	<1	<5	<5	<1	*	5
1,3,5-Trimethylbenzene	108-67-8	<5	<5	<1	<5	<5	<1	*	5
2-Chlorotoluene	95-49-8	<5	<5	<1	<5	<5	<1	*	5
4-Chlorotoluene	106-43-4	<5	<5	<1	<5	<5	<1	*	5
tert-Butylbenzene	98-06-6	<5	<5	<1	<5	<5	<1	*	5
1,2,4-Trimethylbenzene	95-63-6	<5	<5	<1	<5	<5	<1	*	5
sec-Butylbenzene	135-98-8	<5	<5	<1	<5	<5	<1	*	5
4-Isopropyltoluene	99-87-6	<5	<5	<1	<5	<5	<1	*	5
1,1,2,2-Tetrachloroethane	79-34-5	<5	<5	<1	<5	<5	<1	600	5
1,3-Dichlorobenzene	541-73-1	<5	<5	<1	<5	<5	<1	1,600	5
1,4-Dichlorobenzene	106-46-7	<5	<5	<1	<5	<5	<1	8,500	5
1,2-Dichlorobenzene	95-50-1	<5	<5	<1	<5	<5	<1	7,900	4.7
n-Butylbenzene	104-51-8	<5	<5	<1	<5	<5	<1	*	5
1,2-Dibromo-3-chloropropane	96-12-8	<5	<5	<1	<5	<5	<1	*	0.04
1,2,4-Trichlorobenzene	120-82-1	<5	<5	<1	<5	<5	<1	3,400	5
Hexachlorobutadiene	87-68-3	<5	<5	<1	<5	<5	<1	*	0.5
Naphthalene	91-20-3	<5	<5	<1	<5	<5	<1	*	**10
1,2,3-Trichlorobenzene	87-61-6	<5	<5	<1	<5	<5	<1	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	NYS DEC
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8260									
PARAMETER	CAS No.								
Dichlorodifluoromethane	75-71-8	<5	<5	<1	<5	<5	<1	*	5
Chloromethane	74-87-3	<5	<5	<1	<5	<5	<1	*	*
Vinyl Chloride	75-01-4	<5	<5	<1	<5	<5	<1	200	2
Bromomethane	74-83-9	<5	<5	<1	<5	<5	<1	*	5
Chloroethane	75-00-3	<5	<5	<1	<5	<5	<1	1,900	50
Trichlorofluoromethane	75-69-4	<5	<5	<1	<5	<5	<1	*	5
Acetone	67-64-1	<5	<5	<1	<5	<5	<1	200	50
1,1-Dichloroethene	75-35-4	<5	<5	<1	<5	<5	<1	400	5
Vinyl Acetate	108-05-4	<5	<5	<1	<5	<5	<1	*	*
Carbon Disulfide	75-15-0	<5	<5	<1	<5	<5	<1	2,700	50
Methylene Chloride	75-09-2	<5	<5	<1	<5	<5	<1	100	5
trans-1,2-Dichloroethene	156-60-5	<5	<5	<1	<5	<5	<1	300	5
1,1-Dichloroethane	75-34-3	<5	<5	<1	<5	<5	<1	200	5
2-Butanone	78-93-3	<5	<5	<1	<5	<5	<1	300	50
2,2-Dichloropropane	594-20-7	<5	<5	<1	<5	<5	<1	*	5
cis-1,2-Dichloroethene	156-59-2	<5	<5	<1	<5	<5	<1	*	5
Chloroform	67-66-3	<5	<5	<1	<5	<5	<1	300	7
Bromochloromethane	74-97-5	<5	<5	<1	<5	<5	<1	*	5
1,1,1-Trichloroethane	71-55-6	<5	<5	<1	<5	<5	<1	800	5
1,1-Dichloropropene	563-58-6	<5	<5	<1	<5	<5	<1	*	5
Carbon Tetrachloride	56-23-5	<5	<5	<1	<5	<5	<1	600	5
2-Chloroethyl vinyl ether	110-75-8	<5	<5	<1	<5	<5	<1	*	*
1,2-Dichloroethane	107-06-2	<5	<5	<1	<5	<5	<1	100	5
Benzene	71-43-2	<5	<5	<1	<5	<5	<1	60	0.7
Trichloroethene	79-01-6	<5	<5	<1	<5	<5	<1	700	5
1,2-Dichloropropane	78-87-5	<5	<5	<1	<5	<5	<1	*	1
Bromodichloromethane	75-27-4	<5	<5	<1	<5	<5	<1	*	50
4-Methyl-2-Pentanone	108-10-1	<5	<5	<1	<5	<5	<1	1,000	50
Dibromomethane	74-95-3	<5	<5	<1	<5	<5	<1	*	5
cis-1,3-Dichloropropene	10061-01-5	<5	<5	<1	<5	<5	<1	*	5
Toluene	108-88-3	<5	<5	<1	<5	<5	<1	1,500	5
trans-1,3-Dichloropropene	10061-02-6	<5	<5	<1	<5	<5	<1	*	*
1,1,2-Trichloroethane	79-00-5	<5	<5	<1	<5	<5	<1	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	NYS DEC
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8260									
Parameter	CAS No.								
2-Hexanone	591-78-6	<5	<5	<1	<5	<5	<1	*	**50
1,3-Dichloropropane	142-28-9	<5	<5	<1	<5	<5	<1	300	5
Tetrachloroethene	127-18-4	<5	<5	<1	<5	<5	<1	1,400	5
Chlorodibromomethane	124-48-1	<5	<5	<1	<5	<5	<1	*	*
1,2-Dibromoethane	106-93-4	<5	<5	<1	<5	<5	<1	*	*
Chlorobenzene	108-90-7	<5	<5	<1	<5	<5	<1	1,700	5
1,1,1,2-Tetrachloroethane	630-20-6	<5	<5	<1	<5	<5	<1	*	5
Ethylbenzene	100-41-4	<5	<5	<1	<5	<5	<1	5,500	5
m+p Xylene	108-38-3/106-42-3	<10	<10	<2	<10	<10	<2	1,200	5
o-Xylene	95-47-6	<5	<5	<1	<5	<5	<1	1,200	5
Styrene	100-42-5	<5	<5	<1	<5	<5	<1	*	5
Isopropylbenzene	98-82-8	<5	<5	<1	<5	<5	<1	*	5
Bromoform	75-25-2	<5	<5	<1	<5	<5	<1	*	**50
1,2,3-Trichloropropane	96-18-4	<5	<5	<1	<5	<5	<1	400	5
n-Propylbenzene	103-65-1	<5	<5	<1	<5	<5	<1	*	5
Bromobenzene	108-86-1	<5	<5	<1	<5	<5	<1	*	5
1,3,5-Trimethylbenzene	108-67-8	<5	<5	<1	<5	<5	<1	*	5
2-Chlorotoluene	95-49-8	<5	<5	<1	<5	<5	<1	*	5
4-Chlorotoluene	106-43-4	<5	<5	<1	<5	<5	<1	*	5
tert-Butylbenzene	98-06-6	<5	<5	<1	<5	<5	<1	*	5
1,2,4-Trimethylbenzene	95-63-6	<5	<5	<1	<5	<5	<1	*	5
sec-Butylbenzene	135-98-8	<5	<5	<1	<5	<5	<1	*	5
4-Isopropyltoluene	99-87-6	<5	<5	<1	<5	<5	<1	*	5
1,1,2,2-Tetrachloroethane	79-34-5	<5	<5	<1	<5	<5	<1	600	5
1,3-Dichlorobenzene	541-73-1	<5	<5	<1	<5	<5	<1	1,600	5
1,4-Dichlorobenzene	106-46-7	<5	<5	<1	<5	<5	<1	8,500	5
1,2-Dichlorobenzene	95-50-1	<5	<5	<1	<5	<5	<1	7,900	4.7
n-Butylbenzene	104-51-8	<5	<5	<1	<5	<5	<1	*	5
1,2-Dibromo-3-chloropropane	96-12-8	<5	<5	<1	<5	<5	<1	*	0.04
1,2,4-Trichlorobenzene	120-82-1	<5	<5	<1	<5	<5	<1	3,400	5
Hexachlorobutadiene	87-68-3	<5	<5	<1	<5	<5	<1	*	0.5
Naphthalene	91-20-3	<5	<5	<1	<5	<5	<1	*	**10
1,2,3-Trichlorobenzene	87-61-6	<5	<5	<1	<5	<5	<1	*	5

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	NYS DEC
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
Pyridine	110-86-1	<40	<40	<40	<40	<40	<40	*	**50
N-Nitrosodimethylamine	62-75-9	<40	<40	<40	<40	<40	<40	*	*
Aniline	62-53-3	<40	<40	<40	<40	<40	<40	1,000	5
Bis(2-chloroethyl)ether	111-44-4	<40	<40	<40	<40	<40	<40	*	1
Phenol	108-95-1	<40	<40	<40	<40	<40	<40	30 or MDL	1
2-Chlorophenol	95-57-8	<40	<40	<40	<40	<40	<40	800	*
1,3-Dichlorobenzene	541-73-1	<40	<40	<40	<40	<40	<40	1,600	5
1,4-Dichlorobenzene	106-46-7	<40	<40	<40	<40	<40	<40	8,500	5
1,2-Dichlorobenzene	95-50-1	<40	<40	<40	<40	<40	<40	7,900	4.7
Benzyl Alcohol	100-51-6	<40	<40	<40	<40	<40	<40	*	*
Bis(2-chloroisopropyl)ether	108-60-1	<40	<40	<40	<40	<40	<40	*	*
2-Methylphenol	95-48-7	<40	<40	<40	<40	<40	<40	100 or MDL	*
Hexachloroethane	67-72-1	<40	<40	<40	<40	<40	<40	*	*
N-Nitrosodi-n-propylamine	621-64-7	<40	<40	<40	<40	<40	<40	*	*
3+4-Methylphenol	108-39-4 / 106-44-5	<40	<40	<40	<40	<40	<40	*	*
Nitrobenzene	98-95-3	<40	<40	<40	<40	<40	<40	200 or MDL	5
Isophorone	78-59-1	<40	<40	<40	<40	<40	<40	4,400	50*
2- Nitrophenol	88-75-5	<40	<40	<40	<40	<40	<40	330 or MDL	*
2,4-Dimethylphenol	105-67-9	<40	<40	<40	<40	<40	<40	*	*
Benzoic Acid	65-85-0	280	<70	<70	<70	<70	<70	2,700	*
Bis(2-chloroethoxy)methane	111-91-1	<40	<40	<40	<40	<40	<40	*	*
2,4-Dichlorophenol	102-83-2	<40	<40	<40	<40	<40	<40	400	1
1,2,4-Trichlorobenzene	120-82-1	<40	<40	<40	<40	<40	<40	3,400	5
Naphthalene	91-20-3	110	<40	<40	<40	<40	<40	13,000	**10
4-Chloroaniline	106-47-8	<40	<40	<40	<40	<40	<40	220 or MDL	*
Hexachlorobutadiene	87-68-3	<40	<40	<40	<40	<40	<40	*	5
4-Chloro-3-methylphenol	59-50-7	<40	<40	<40	<40	<40	<40	240 or MDL	*
2-Methylnaphthalene	91-57-6	130	95	100	<40	<40	<40	36,400	*
Hexachlorocyclopentadiene	77-47-4	<40	<40	<40	<40	<40	<40	*	5
2,4,5-Trichlorophenol	95-95-4	<40	<40	<40	<40	<40	<40	*	*
2,4,6-Trichlorophenol	88-06-2	<40	<40	<40	<40	<40	<40	1,000	*
2-Chloronaphthalene	91-58-7	<40	<40	<40	<40	<40	<40	*	**10
2-Nitroaniline	88-74-4	<40	<40	<40	<40	<40	<40	430 or MDL	*
Acenaphthylene	208-96-8	<40	<40	150	<40	<40	<40	41,000	*
Dimethyl Phthalate	131-11-3	<40	<40	<40	<40	<40	<40	2,000	*50

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	NYS DEC
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
2,6-Dinitrotoluene	606-20-2	<40	<40	<40	<40	<40	<40	1,000	5
Acenaphthene	83-32-9	<40	<40	240	<40	<40	<40	50,000	**20
3-Nitroaniline	99-09-2	<40	<40	<40	<40	<40	<40	0.5 or MDL	*
2,4-Dinitrophenol	51-28-5	<70	<70	<70	<70	<70	<70	200 or MDL	*
Dibenzofuran	132-64-9	<40	<40	<40	<40	<40	<40	6,200	*
2,4-Dinitrotoluene	121-14-2	<40	<40	<40	<40	<40	<40	1,000	*
4-Nitrophenol	100-02-7	<50	<50	<50	<50	<50	<50	100 or MDL	*
Fluorene	86-73-7	<40	<40	320	<40	<40	<40	50,000	**50
4-Chlorophenyl phenyl ether	7005-72-3	<40	<40	<40	<40	<40	<40	*	*
Azobenzene	103-33-3	<40	<40	<40	<40	<40	<40	*	*
Diethyl Phthalate	84-66-2	<40	<40	<40	<40	<40	<40	7,100	**50
4-Nitroaniline	100-01-6	<50	<50	<50	<50	<50	<50	*	*
4,6-Dinitro-2-methylphenol	534-52-1	<40	<40	<40	<40	<40	<40	*	*
N-Nitrosodiphenylamine	86-30-6	<40	<40	<40	<40	<40	<40	*	**50
4-Bromophenyl phenyl ether	101-55-3	<40	<40	<40	<40	<40	<40	*	*
Hexachlorobenzene	118-74-1	<40	<40	<40	<40	<40	<40	410	0.35
Pentachlorophenol	87-86-5	<60	<60	<60	<60	<60	<60	1,000 or MDL	1
Phenanthrene	85-01-8	170	160	3,900	640	<40	120	50,000	**50
Anthracene	120-12-7	45	<40	980	130	<40	<40	50,000	**50
Carbazole	86-74-8	<40	<40	210	<40	<40	<40	*	*
Di-n-butyl Phthalate	84-74-2	<40	<40	<40	<40	<40	<40	8,100	50
Fluoranthene	206-44-0	230	150	5,600	1,500	<40	150	50,000	**50
Benzidine	92-87-5	<40	<40	<40	<40	<40	<40	*	5
Pyrene	129-00-0	290	220	7,800	2,700	<40	200	50,000	**50
Butyl benzyl Phthalate	85-68-7	<40	<40	<40	<40	<40	<40	50,000	**50
3,3´-Dichlorobenzidine	91-94-1	<40	<40	<40	<40	<40	<40	n/a	*
Benzo(a)anthracene	56-55-3	140	110	4,000	1,200	<40	87	224 or MDL	**0.002
Chrysene	218-01-9	160	140	4,400	1,400	<40	110	400	**0.002
Bis(2-ethylhexyl)Phthalate	117-81-7	730	840	440	<40	220	2,400	50,000	50
Di-n-octyl Phthalate	117-84-0	<40	<40	<40	<40	<40	<40	50,000	**50
Benzo(b)fluoranthene	205-99-2	270	260	6,000	1,800	<40	120	1,100	**0.002
Benzo(k)fluoranthene	207-08-9	280	270	6,400	1,900	<40	130	1,100	**0.002
Benzo(a)pyrene	50-32-8	170	150	3,800	1,300	<40	92	61 or MDL	*
Indeno(1,2,3-c,d)pyrene	193-39-5	<40	96	540	1,100	<40	69	3,200	**0.002
Dibenzo(a,h)anthracene	53-70-3	<40	<40	1,100	100	<40	<40	14 or MDL	*
Benzo(g,h,i)perylene	191-24-2	170	100	2,800	1,200	<40	94	50,000	*
	TOTAL:	3,175	2,591	48,780	14,970	220	3,572	500,000	

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
Pyridine	110-86-1	<40	<40	<40	<5	<40	<40	*	**50
N-Nitrosodimethylamine	62-75-9	<40	<40	<40	<5	<40	<40	*	*
Aniline	62-53-3	<40	<40	<40	<5	<40	<40	1,000	5
Bis(2-chloroethyl)ether	111-44-4	<40	<40	<40	<5	<40	<40	*	1
Phenol	108-95-1	<40	<40	<40	<5	<40	<40	30 or MDL	1
2-Chlorophenol	95-57-8	<40	<40	<40	<5	<40	<40	800	*
1,3-Dichlorobenzene	541-73-1	<40	<40	<40	<5	<40	<40	1,600	5
1,4-Dichlorobenzene	106-46-7	<40	<40	<40	<5	<40	<40	8,500	5
1,2-Dichlorobenzene	95-50-1	<40	<40	<40	<5	<40	<40	7,900	4.7
Benzyl Alcohol	100-51-6	<40	<40	<40	<5	<40	<40	*	*
Bis(2-chloroisopropyl)ether	108-60-1	<40	<40	<40	<5	<40	<40	*	*
2-Methylphenol	95-48-7	<40	<40	<40	<5	220	<40	100 or MDL	*
Hexachloroethane	67-72-1	<40	<40	<40	<5	<40	<40	*	*
N-Nitrosodi-n-propylamine	621-64-7	<40	<40	<40	<5	<40	<40	*	*
3+4-Methylphenol	108-39-4 / 106-44-5	<40	<40	<40	<5	<40	<40	*	*
Nitrobenzene	98-95-3	<40	<40	<40	<5	<40	<40	200 or MDL	5
Isophorone	78-59-1	<40	<40	<40	<5	<40	<40	4,400	50*
2- Nitrophenol	88-75-5	<40	<40	<40	<5	<40	<40	330 or MDL	*
2,4-Dimethylphenol	105-67-9	<40	<40	<40	<5	<40	<40	*	*
Benzoic Acid	65-85-0	200	230	<40	<5	<70	<70	2,700	*
Bis(2-chloroethoxy)methane	111-91-1	<40	<40	<40	<5	<40	<40	*	*
2,4-Dichlorophenol	102-83-2	<40	<40	<40	<5	<40	<40	400	1
1,2,4-Trichlorobenzene	120-82-1	<40	<40	<40	<5	<40	<40	3,400	5
Naphthalene	91-20-3	<40	<40	110	18	<40	74	13,000	**10
4-Chloroaniline	106-47-8	<40	<40	<40	<5	<40	<40	220 or MDL	*
Hexachlorobutadiene	87-68-3	<40	<40	<40	<5	<40	<40	*	5
4-Chloro-3-methylphenol	59-50-7	<40	<40	<40	<5	<40	<40	240 or MDL	*
2-Methylnaphthalene	91-57-6	28	<40	88	<5	590	56	36,400	*
Hexachlorocyclopentadiene	77-47-4	<40	<40	<40	<5	<40	<40	*	5
2,4,5-Trichlorophenol	95-95-4	<40	<40	<40	<5	<40	<40	*	*
2,4,6-Trichlorophenol	88-06-2	<40	<40	<40	<5	<40	<40	1,000	*
2-Chloronaphthalene	91-58-7	<40	<40	<40	<5	<40	<40	*	**10
2-Nitroaniline	88-74-4	<40	<40	<40	<5	<40	<40	430 or MDL	*
Acenaphthylene	208-96-8	<40	<40	<40	<5	170	68	41,000	*
Dimethyl Phthalate	131-11-3	<40	<40	<40	<5	<40	<40	2,000	*50

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
2,6-Dinitrotoluene	606-20-2	<40	<40	<40	<5	<40	<40	1,000	5
Acenaphthene	83-32-9	53	<40	100	<5	270	140	50,000	**20
3-Nitroaniline	99-09-2	<40	<40	<40	<5	<40	<40	0.5 or MDL	*
2,4-Dinitrophenol	51-28-5	<70	<70	<70	<5	<70	<70	200 or MDL	*
Dibenzofuran	132-64-9	47	<40	46	<5	210	98	6,200	*
2,4-Dinitrotoluene	121-14-2	<40	<40	<40	<5	<40	<40	1,000	*
4-Nitrophenol	100-02-7	<50	<50	<50	<5	<50	<50	100 or MDL	*
Fluorene	86-73-7	61	<40	100	<5	500	190	50,000	**50
4-Chlorophenyl phenyl ether	7005-72-3	<40	<40	<40	<5	<40	<40	*	*
Azobenzene	103-33-3	<40	<40	<40	<5	<40	<40	*	*
Diethyl Phthalate	84-66-2	<40	<40	<40	<5	<40	<40	7,100	**50
4-Nitroaniline	100-01-6	<50	<50	<50	<5	<50	<50	*	*
4,6-Dinitro-2-methylphenol	534-52-1	<40	<40	<40	<5	<40	<40	*	*
N-Nitrosodiphenylamine	86-30-6	<40	<40	<40	<5	<40	<40	*	**50
4-Bromophenyl phenyl ether	101-55-3	<40	<40	<40	<5	<40	<40	*	*
Hexachlorobenzene	118-74-1	<40	<40	<40	<5	<40	<40	410	0.35
Pentachlorophenol	87-86-5	<60	<60	<60	<5	<60	<60	1,000 or MDL	1
Phenanthrene	85-01-8	570	<40	800	<5	3,200	1,200	50,000	**50
Anthracene	120-12-7	130	<40	190	<5	750	370	50,000	**50
Carbazole	86-74-8	60	<40	91	<5	<40	110	*	*
Di-n-butyl Phthalate	84-74-2	<40	<40	<40	<5	<40	<40	8,100	50
Fluoranthene	206-44-0	490	<40	690	<5	4,900	1,300	50,000	**50
Benzidine	92-87-5	<40	<40	<40	<5	<40	<40	*	5
Pyrene	129-00-0	460	<40	780	<5	4,500	1,200	50,000	**50
Butyl benzyl Phthalate	85-68-7	<40	<40	<40	<5	<40	<40	50,000	**50
3,3´-Dichlorobenzidine	91-94-1	<40	<40	<40	<5	<40	<40	n/a	*
Benzo(a)anthracene	56-55-3	220	<40	360	<5	2,100	910	224 or MDL	**0.002
Chrysene	218-01-9	220	<40	380	<5	2,800	940	400	**0.002
Bis(2-ethylhexyl)Phthalate	117-81-7	2,500	2,200	1,600	<5	910	660	50,000	50
Di-n-octyl Phthalate	117-84-0	<40	<40	<40	<5	<40	<40	50,000	**50
Benzo(b)fluoranthene	205-99-2	300	<40	510	<5	3,200	1,400	1,100	**0.002
Benzo(k)fluoranthene	207-08-9	310	<40	540	<5	3,400	1,500	1,100	**0.002
Benzo(a)pyrene	50-32-8	220	<40	310	<5	1,800	840	61 or MDL	*
Indeno(1,2,3-c,d)pyrene	193-39-5	150	<40	240	<5	1,100	83	3,200	**0.002
Dibenzo(a,h)anthracene	53-70-3	<40	<40	86	<5	520	190	14 or MDL	*
Benzo(g,h,i)perylene	191-24-2	170	<40	230	<5	1,300	440	50,000	*
	TOTAL:	6,289	2,430	7,251		32,440	11,770	500,000	

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	NYS DEC
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
Pyridine	110-86-1	<80	<80	<5	<80	<320	<5	*	**50
N-Nitrosodimethylamine	62-75-9	<80	<80	<5	<80	<320	<5	*	*
Aniline	62-53-3	<80	<80	<5	<80	<320	<5	1,000	5
Bis(2-chloroethyl)ether	111-44-4	<80	<80	<5	<80	<320	<5	*	1
Phenol	108-95-1	<80	<80	<5	<80	<320	<5	30 or MDL	1
2-Chlorophenol	95-57-8	<80	<80	<5	<80	<320	<5	800	*
1,3-Dichlorobenzene	541-73-1	<80	<80	<5	<80	<320	<5	1,600	5
1,4-Dichlorobenzene	106-46-7	<80	<80	<5	<80	<320	<5	8,500	5
1,2-Dichlorobenzene	95-50-1	<80	<80	<5	<80	<320	<5	7,900	4.7
Benzyl Alcohol	100-51-6	<80	<80	<5	<80	<320	<5	*	*
Bis(2-chloroisopropyl)ether	108-60-1	<80	<80	<5	<80	<320	<5	*	*
2-Methylphenol	95-48-7	<80	<80	<5	<80	<320	<5	100 or MDL	*
Hexachloroethane	67-72-1	<80	<80	<5	<80	<320	<5	*	*
N-Nitrosodi-n-propylamine	621-64-7	<80	<80	<5	<80	<320	<5	*	*
3+4-Methylphenol	108-39-4 / 106-44-5	<80	<80	<5	<80	<320	<5	*	*
Nitrobenzene	98-95-3	<80	<80	<5	<80	<320	<5	200 or MDL	5
Isophorone	78-59-1	<80	<80	<5	<80	<320	<5	4,400	50*
2- Nitrophenol	88-75-5	<80	<80	<5	<80	<320	<5	330 or MDL	*
2,4-Dimethylphenol	105-67-9	<80	<80	<5	<80	<320	<5	*	*
Benzoic Acid	65-85-0	<140	<140	<5	190	<560	<5	2,700	*
Bis(2-chloroethoxy)methane	111-91-1	<80	<80	<5	<80	<320	<5	*	*
2,4-Dichlorophenol	102-83-2	<80	<80	<5	<80	<320	<5	400	1
1,2,4-Trichlorobenzene	120-82-1	<80	<80	<5	<80	<320	<5	3,400	5
Naphthalene	91-20-3	460	87	<5	<80	3,800	<5	13,000	**10
4-Chloroaniline	106-47-8	<80	<80	<5	<80	<320	<5	220 or MDL	*
Hexachlorobutadiene	87-68-3	<80	<80	<5	<80	<320	<5	*	5
4-Chloro-3-methylphenol	59-50-7	<80	<80	<5	<80	<320	<5	240 or MDL	*
2-Methylnaphthalene	91-57-6	1,200	<80	<5	<80	1,500	<5	36,400	*
Hexachlorocyclopentadiene	77-47-4	<80	<80	<5	<80	<320	<5	*	5
2,4,5-Trichlorophenol	95-95-4	<80	<80	<5	<80	<320	<5	*	*
2,4,6-Trichlorophenol	88-06-2	<80	<80	<5	<80	<320	<5	1,000	*
2-Chloronaphthalene	91-58-7	<80	<80	<5	<80	<320	<5	*	**10
2-Nitroaniline	88-74-4	<80	<80	<5	<80	<320	<5	430 or MDL	*
Acenaphthylene	208-96-8	120	<80	<5	170	620	<5	41,000	*
Dimethyl Phthalate	131-11-3	<80	<80	<5	<80	<320	<5	2,000	*50

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	NYS DEC
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
2,6-Dinitrotoluene	606-20-2	<80	<80	<5	<80	<320	<5	1,000	5
Acenaphthene	83-32-9	80	170	<5	200	3,800	<5	50,000	**20
3-Nitroaniline	99-09-2	<80	<80	<5	<80	<320	<5	0.5 or MDL	*
2,4-Dinitrophenol	51-28-5	<140	<140	<5	<140	<560	<5	200 or MDL	*
Dibenzofuran	132-64-9	170	95	<5	98	2,300	<5	6,200	*
2,4-Dinitrotoluene	121-14-2	<80	<80	<5	<80	<320	<5	1,000	*
4-Nitrophenol	100-02-7	<100	<100	<5	<100	<400	<5	100 or MDL	*
Fluorene	86-73-7	280	140	<5	250	4,500	<5	50,000	**50
4-Chlorophenyl phenyl ether	7005-72-3	<80	<80	<5	<80	<320	<5	*	*
Azobenzene	103-33-3	<80	<80	<5	<80	<320	<5	*	*
Diethyl Phthalate	84-66-2	<80	<80	<5	<80	<320	<5	7,100	**50
4-Nitroaniline	100-01-6	<100	<100	<5	<100	<400	<5	*	*
4,6-Dinitro-2-methylphenol	534-52-1	<80	<80	<5	<80	<320	<5	*	*
N-Nitrosodiphenylamine	86-30-6	<80	<80	<5	<80	<320	<5	*	**50
4-Bromophenyl phenyl ether	101-55-3	<80	<80	<5	<80	<320	<5	*	*
Hexachlorobenzene	118-74-1	<80	<80	<5	<80	<320	<5	410	0.35
Pentachlorophenol	87-86-5	<120	<120	<5	<60	<240	<5	1,000 or MDL	1
Phenanthrene	85-01-8	1,400	1,500	<5	2,800	31,000	<5	50,000	**50
Anthracene	120-12-7	260	380	<5	670	7,600	<5	50,000	**50
Carbazole	86-74-8	90	110	<5	300	3,300	<5	*	*
Di-n-butyl Phthalate	84-74-2	110	<80	<5	<80	<320	<5	8,100	50
Fluoranthene	206-44-0	1,100	2,100	<5	4,400	30,000	<5	50,000	**50
Benzidine	92-87-5	<80	<80	<5	<80	<320	<5	*	5
Pyrene	129-00-0	990	2,100	<5	3,900	24,000	<5	50,000	**50
Butyl benzyl Phthalate	85-68-7	<80	<80	<5	<80	<320	<5	50,000	**50
3,3'-Dichlorobenzidine	91-94-1	<80	<80	<5	<80	<320	<5	n/a	*
Benzo(a)anthracene	56-55-3	570	970	<5	2,000	12,000	<5	224 or MDL	**0.002
Chrysene	218-01-9	740	1,000	<5	2,200	11,000	<5	400	**0.002
Bis(2-ethylhexyl)Phthalate	117-81-7	110	460	<5	100	660	<5	50,000	50
Di-n-octyl Phthalate	117-84-0	<80	<80	<5	<80	<320	<5	50,000	**50
Benzo(b)fluoranthene	205-99-2	520	940	<5	2,500	13,000	<5	1,100	**0.002
Benzo(k)fluoranthene	207-08-9	360	670	<5	880	4,500	<5	1,100	**0.002
Benzo(a)pyrene	50-32-8	500	950	<5	2,000	10,000	<5	61 or MDL	*
Indeno(1,2,3-c,d)pyrene	193-39-5	310	550	<5	1,200	5,600	<5	3,200	**0.002
Dibenzo(a,h)anthracene	53-70-3	110	150	<5	340	1,700	<5	14 or MDL	*
Benzo(g,h,i)perylene	191-24-2	340	620	<5	1,300	5,200	<5	50,000	*
	TOTALS:	9,820	12,992		25,498	176,080		500,000	

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	NYS DEC
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
Units:		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
Pyridine	110-86-1	<1600	<80	<5	<320	<320	<5	*	**50
N-Nitrosodimethylamine	62-75-9	<1600	<80	<5	<320	<320	<5	*	*
Aniline	62-53-3	<1600	<80	<5	<320	<320	<5	1,000	5
Bis(2-chloroethyl)ether	111-44-4	<1600	<80	<5	<320	<320	<5	*	1
Phenol	108-95-1	<1600	<80	<5	<320	<320	<5	30 or MDL	1
2-Chlorophenol	95-57-8	<1600	<80	<5	<320	<320	<5	800	*
1,3-Dichlorobenzene	541-73-1	<1600	<80	<5	<320	<320	<5	1,600	5
1,4-Dichlorobenzene	106-46-7	<1600	<80	<5	<320	<320	<5	8,500	5
1,2-Dichlorobenzene	95-50-1	<1600	<80	<5	<320	<320	<5	7,900	4.7
Benzyl Alcohol	100-51-6	<1600	<80	<5	<320	<320	<5	*	*
Bis(2-chloroisopropyl)ether	108-60-1	<1600	<80	<5	<320	<320	<5	*	*
2-Methylphenol	95-48-7	<1600	<80	<5	<320	<320	<5	100 or MDL	*
Hexachloroethane	67-72-1	<1600	<80	<5	<320	<320	<5	*	*
N-Nitrosodi-n-propylamine	621-64-7	<1600	<80	<5	<320	<320	<5	*	*
3+4-Methylphenol	108-39-4 / 106-44-5	<1600	<80	<5	<320	<320	<5	*	*
Nitrobenzene	98-95-3	<1600	<80	<5	<320	<320	<5	200 or MDL	5
Isophorone	78-59-1	<1600	<80	<5	<320	<320	<5	4,400	50*
2- Nitrophenol	88-75-5	<1600	<80	<5	<320	<320	<5	330 or MDL	*
2,4-Dimethylphenol	105-67-9	<1600	<80	<5	<320	<320	<5	*	*
Benzoic Acid	65-85-0	<2800	170	<5	<560	<560	<5	2,700	*
Bis(2-chloroethoxy)methane	111-91-1	<1600	<80	<5	<320	<320	<5	*	*
2,4-Dichlorophenol	102-83-2	<1600	<80	<5	<320	<320	<5	400	1
1,2,4-Trichlorobenzene	120-82-1	<1600	<80	<5	<320	<320	<5	3,400	5
Naphthalene	91-20-3	2,000	150	<5	<320	<320	<5	13,000	**10
4-Chloroaniline	106-47-8	<1600	<80	<5	<320	<320	<5	220 or MDL	*
Hexachlorobutadiene	87-68-3	<1600	<80	<5	<320	<320	<5	*	5
4-Chloro-3-methylphenol	59-50-7	<1600	<80	<5	<320	<320	<5	240 or MDL	*
2-Methylnaphthalene	91-57-6	1,600	120	<5	<320	<320	<5	36,400	*
Hexachlorocyclopentadiene	77-47-4	<1600	<80	<5	<320	<320	<5	*	5
2,4,5-Trichlorophenol	95-95-4	<1600	<80	<5	<320	<320	<5	*	*
2,4,6-Trichlorophenol	88-06-2	<1600	<80	<5	<320	<320	<5	1,000	*
2-Chloronaphthalene	91-58-7	<1600	<80	<5	<320	<320	<5	*	**10
2-Nitroaniline	88-74-4	<1600	<80	<5	<320	<320	<5	430 or MDL	*
Acenaphthylene	208-96-8	<1600	120	<5	<320	<320	<5	41,000	*
Dimethyl Phthalate	131-11-3	<1600	<80	<5	<320	<320	<5	2,000	*50

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	NYS DEC
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Class GA Ambient
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg	Standards
									mg/L
SW-846 8270									
Parameter	CAS No.								
2,6-Dinitrotoluene	606-20-2	<1600	<80	<5	<320	<320	<5	1,000	5
Acenaphthene	83-32-9	6,100	360	<5	460	1,200	<5	50,000	**20
3-Nitroaniline	99-09-2	<1600	<80	<5	<320	<320	<5	0.5 or MDL	*
2,4-Dinitrophenol	51-28-5	<2800	<140	<5	<560	<560	<5	200 or MDL	*
Dibenzofuran	132-64-9	2,800	220	<5	<320	640	<5	6,200	*
2,4-Dinitrotoluene	121-14-2	<1600	<80	<5	<320	<320	<5	1,000	*
4-Nitrophenol	100-02-7	<2000	<100	<5	<400	<400	<5	100 or MDL	*
Fluorene	86-73-7	5,300	380	<5	450	1,200	<5	50,000	**50
4-Chlorophenyl phenyl ether	7005-72-3	<1600	<80	<5	<320	<320	<5	*	*
Azobenzene	103-33-3	<1600	<80	<5	<320	<320	<5	*	*
Diethyl Phthalate	84-66-2	<1600	<80	<5	<320	<320	<5	7,100	**50
4-Nitroaniline	100-01-6	<2000	<100	<5	<400	<400	<5	*	*
4,6-Dinitro-2-methylphenol	534-52-1	<1600	<80	<5	<320	<320	<5	*	*
N-Nitrosodiphenylamine	86-30-6	<1600	<80	<5	<320	<320	<5	*	**50
4-Bromophenyl phenyl ether	101-55-3	<1600	<80	<5	<320	<320	<5	*	*
Hexachlorobenzene	118-74-1	<1600	<80	<5	<320	<320	<5	410	0.35
Pentachlorophenol	87-86-5	<2400	<120	<5	<480	<480	<5	1,000 or MDL	1
Phenanthrene	85-01-8	79,000	6,100	<5	7,300	15,000	<5	50,000	**50
Anthracene	120-12-7	9,200	830	<5	1,400	3,300	<5	50,000	**50
Carbazole	86-74-8	6,200	590	<5	540	1000	<5	*	*
Di-n-butyl Phthalate	84-74-2	<1600	<80	<5	<320	<320	<5	8,100	50
Fluoranthene	206-44-0	86,000	7,100	<5	11,000	20,000	<5	50,000	**50
Benzidine	92-87-5	<1600	<80	<5	<320	<320	<5	*	5
Pyrene	129-00-0	76,000	5,900	<5	10,000	18,000	<5	50,000	**50
Butyl benzyl Phthalate	85-68-7	<1600	<80	<5	<320	<320	<5	50,000	**50
3,3'-Dichlorobenzidine	91-94-1	<1600	<80	<5	<320	<320	<5	n/a	*
Benzo(a)anthracene	56-55-3	30,000	2,600	<5	5,400	9,200	<5	224 or MDL	**0.002
Chrysene	218-01-9	38,000	3,200	<5	5,300	9,000	<5	400	**0.002
Bis(2-ethylhexyl)Phthalate	117-81-7	<1600	<80	<5	350	430	<5	50,000	50
Di-n-octyl Phthalate	117-84-0	<1600	<80	<5	<320	<320	<5	50,000	**50
Benzo(b)fluoranthene	205-99-2	40,000	3,400	<5	4,700	10,000	<5	1,100	**0.002
Benzo(k)fluoranthene	207-08-9	14,000	1,400	<5	4,100	3,400	<5	1,100	**0.002
Benzo(a)pyrene	50-32-8	31,000	2,800	<5	5,000	8,200	<5	61 or MDL	*
Indeno(1,2,3-c,d)pyrene	193-39-5	20,000	1,900	<5	3,200	4,900	<5	3,200	**0.002
Dibenzo(a,h)anthracene	53-70-3	5,500	490	<5	820	1,400	<5	14 or MDL	*
Benzo(g,h,i)perylene	191-24-2	22,000	2,000	<5	3,400	5,000	<5	50,000	*
	TOTAL:	472,700	39,630		92,220	111,870		500,000	

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.
		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Pesticides SW-846 8081								
Parameter	CAS No.							
DBCP	96-12-8	NA	NA	<5	NA	NA	<5	*
Hexachlorocyclopentadiene	77-47-4	NA	NA	<5	NA	NA	<5	*
Hexachlorobenzene	118-74-1	NA	NA	<5	NA	NA	<5	*
alpha-BHC	319-84-6	NA	NA	<5	NA	NA	<5	110
gamma-BHC(Lindane)	58-89-9	NA	NA	<5	NA	NA	<5	60
beta-BHC	319-85-7	NA	NA	<5	NA	NA	<5	200
Heptachlor	76-44-8	NA	NA	<5	NA	NA	<5	100
delta-BHC	319-86-8	NA	NA	<5	NA	NA	<5	300
Aldrin	309-00-2	NA	NA	<5	NA	NA	<5	41
Isodrin	465-73-6	NA	NA	<5	NA	NA	<5	*
Heptachlor Epoxide	1024-57-3	NA	NA	<5	NA	NA	<5	20
Endosulfan I	959-98-8	NA	NA	<5	NA	NA	<5	900
4,4'-DDE	72-55-9	NA	NA	<5	NA	NA	<5	2,100
Dieldrin	60-57-1	NA	NA	<5	NA	NA	<5	44
Endrin	72-20-8	NA	NA	<5	NA	NA	<5	100
Chlorobenzilate	510-15-6	NA	NA	<5	NA	NA	<5	*
4,4'-DDD	72-54-8	NA	NA	<5	NA	NA	<5	2,900
Endosulfan II	33213-65-9	NA	NA	<5	NA	NA	<5	900
4,4'-DDT	50-29-3	NA	NA	6	NA	NA	<5	2,100
Endrin Aldehyde	7421-93-4	NA	NA	<5	NA	NA	<5	*
Endosulfan Sulfate	1031-07-8	NA	NA	<5	NA	NA	<5	1,000
Methoxychlor	72-43-5	NA	NA	<5	NA	NA	<5	*
Endrin Ketone	53494-70-5	NA	NA	<5	NA	NA	<5	*
Chlordane	57-74-9	NA	NA	<5	NA	NA	<5	540
Toxaphene	8001-35-2	NA	NA	<10	NA	NA	<10	*

*No TAGM RSCO exists for this parameter

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	NYS DEC
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Class GA Ambient
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Water Qual.
		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	Standards
									mg/L
Pesticides SW-846 8081									
Parameter	**CAS No.**								
DBCP	96-12-8	NA	NA	NA	NA	NA	NA	*	*
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	NA	NA	NA	*	5
Hexachlorobenzene	118-74-1	NA	NA	NA	NA	NA	NA	*	0.04
alpha-BHC	319-84-6	NA	NA	NA	NA	NA	NA	110	<0.05
gamma-BHC(Lindane)	58-89-9	NA	NA	NA	NA	NA	NA	60	<0.05
beta-BHC	319-85-7	NA	NA	NA	NA	NA	NA	200	<0.05
Heptachlor	76-44-8	NA	NA	NA	NA	NA	NA	100	<0.01
delta-BHC	319-86-8	NA	NA	NA	NA	NA	NA	300	<0.05
Aldrin	309-00-2	NA	NA	NA	NA	NA	NA	41	<0.01
Isodrin	465-73-6	NA	NA	NA	NA	NA	NA	*	5
Heptachlor Epoxide	1024-57-3	NA	NA	NA	NA	NA	NA	20	<0.01
Endosulfan I	959-98-8	NA	NA	NA	NA	NA	NA	900	0.1
4,4'-DDE	72-55-9	NA	NA	NA	NA	NA	NA	2,100	<0.01
Dieldrin	60-57-1	NA	NA	NA	NA	NA	NA	44	<0.01
Endrin	72-20-8	NA	NA	NA	NA	NA	NA	100	<0.01
Chlorobenzilate	510-15-6	NA	NA	NA	NA	NA	NA	*	*
4,4'-DDD	72-54-8	NA	NA	NA	NA	NA	NA	2,900	<0.01
Endosulfan II	33213-65-9	NA	NA	NA	NA	NA	NA	900	0.1
4,4'-DDT	50-29-3	NA	NA	NA	NA	NA	NA	2,100	<0.01
Endrin Aldehyde	7421-93-4	NA	NA	NA	NA	NA	NA	*	5
Endosulfan Sulfate	1031-07-8	NA	NA	NA	NA	NA	NA	1,000	0.1
Methoxychlor	72-43-5	NA	NA	NA	NA	NA	NA	*	35
Endrin Ketone	53494-70-5	NA	NA	NA	NA	NA	NA	*	*
Chlordane	57-74-9	NA	NA	NA	NA	NA	NA	540	0.1
Toxaphene	8001-35-2	NA	NA	NA	NA	NA	NA	*	0.06

*No RSCO exists for this parameter.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg
Pesticides SW-846 8081								
Parameter	CAS No.							
DBCP	96-12-8	NA	NA	NA	<5	NA	NA	*
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	<5	NA	NA	*
Hexachlorobenzene	118-74-1	NA	NA	NA	<5	NA	NA	*
alpha-BHC	319-84-6	NA	NA	NA	<5	NA	NA	110
gamma-BHC(Lindane)	58-89-9	NA	NA	NA	<5	NA	NA	60
beta-BHC	319-85-7	NA	NA	NA	<5	NA	NA	200
Heptachlor	76-44-8	NA	NA	NA	<5	NA	NA	100
delta-BHC	319-86-8	NA	NA	NA	<5	NA	NA	300
Aldrin	309-00-2	NA	NA	NA	<5	NA	NA	41
Isodrin	465-73-6	NA	NA	NA	<5	NA	NA	*
Heptachlor Epoxide	1024-57-3	NA	NA	NA	<5	NA	NA	20
Endosulfan I	959-98-8	NA	NA	NA	<5	NA	NA	900
4,4'-DDE	72-55-9	NA	NA	NA	<5	NA	NA	2,100
Dieldrin	60-57-1	NA	NA	NA	<5	NA	NA	44
Endrin	72-20-8	NA	NA	NA	<5	NA	NA	100
Chlorobenzilate	510-15-6	NA	NA	NA	<5	NA	NA	*
4,4'-DDD	72-54-8	NA	NA	NA	<5	NA	NA	2,900
Endosulfan II	33213-65-9	NA	NA	NA	<5	NA	NA	900
4,4'-DDT	50-29-3	NA	NA	NA	<5	NA	NA	2,100
Endrin Aldehyde	7421-93-4	NA	NA	NA	<5	NA	NA	*
Endosulfan Sulfate	1031-07-8	NA	NA	NA	<5	NA	NA	1,000
Methoxychlor	72-43-5	NA	NA	NA	<5	NA	NA	*
Endrin Ketone	53494-70-5	NA	NA	NA	<5	NA	NA	*
Chlordane	57-74-9	NA	NA	NA	<5	NA	NA	540
Toxaphene	8001-35-2	NA	NA	NA	<10	NA	NA	*

*No RSCO exists for this parameter.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg
Pesticides SW-846 8081								
Parameter	CAS No.							
DBCP	96-12-8	NA	NA	NA	<5	NA	NA	*
Hexachlorocyclopentadiene	77-47-4	NA	NA	NA	<5	NA	NA	*
Hexachlorobenzene	118-74-1	NA	NA	NA	<5	NA	NA	*
alpha-BHC	319-84-6	NA	NA	NA	<5	NA	NA	110
gamma-BHC(Lindane)	58-89-9	NA	NA	NA	<5	NA	NA	60
beta-BHC	319-85-7	NA	NA	NA	<5	NA	NA	200
Heptachlor	76-44-8	NA	NA	NA	<5	NA	NA	100
delta-BHC	319-86-8	NA	NA	NA	<5	NA	NA	300
Aldrin	309-00-2	NA	NA	NA	<5	NA	NA	41
Isodrin	465-73-6	NA	NA	NA	<5	NA	NA	*
Heptachlor Epoxide	1024-57-3	NA	NA	NA	<5	NA	NA	20
Endosulfan I	959-98-8	NA	NA	NA	60	NA	NA	900
4,4'-DDE	72-55-9	NA	NA	NA	<5	NA	NA	2,100
Dieldrin	60-57-1	NA	NA	NA	<5	NA	NA	44
Endrin	72-20-8	NA	NA	NA	<5	NA	NA	100
Chlorobenzilate	510-15-6	NA	NA	NA	<5	NA	NA	*
4,4'-DDD	72-54-8	NA	NA	NA	<5	NA	NA	2,900
Endosulfan II	33213-65-9	NA	NA	NA	<5	NA	NA	900
4,4'-DDT	50-29-3	NA	NA	NA	9.6	NA	NA	2,100
Endrin Aldehyde	7421-93-4	NA	NA	NA	<5	NA	NA	*
Endosulfan Sulfate	1031-07-8	NA	NA	NA	<5	NA	NA	1,000
Methoxychlor	72-43-5	NA	NA	NA	<5	NA	NA	*
Endrin Ketone	53494-70-5	NA	NA	NA	9.2	NA	NA	*
Chlordane	57-74-9	NA	NA	NA	<5	NA	NA	540
Toxaphene	8001-35-2	NA	NA	NA	<10	NA	NA	*

*No RSCO exists for this parameter.

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.
		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
PBCs SW-846 8082								
Parameter	CAS No.							
Aroclor-1016	12674-11-2	NA	NA	<80	NA	NA	<80	***
Aroclor-1221	11104-28-2	NA	NA	<80	NA	NA	<80	***
Aroclor-1232	11141-16-5	NA	NA	<80	NA	NA	<80	***
Aroclor-1242	53469-21-9	NA	NA	<80	NA	NA	<80	***
Aroclor-1248	12672-29-6	NA	NA	<80	NA	NA	<80	***
Aroclor-1254	11097-69-1	NA	NA	130	NA	NA	<80	***
Aroclor-1260	11096-82-5	NA	NA	170	NA	NA	<80	***
	TOTAL:			300				1000 surface

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.
		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/kg
PBCs SW-846 8082								
Parameter	CAS No.							
Aroclor-1016	12674-11-2	NA	NA	NA	NA	NA	NA	***
Aroclor-1221	11104-28-2	NA	NA	NA	NA	NA	NA	***
Aroclor-1232	11141-16-5	NA	NA	NA	NA	NA	NA	***
Aroclor-1242	53469-21-9	NA	NA	NA	NA	NA	NA	***
Aroclor-1248	12672-29-6	NA	NA	NA	NA	NA	NA	***
Aroclor-1254	11097-69-1	NA	NA	NA	NA	NA	NA	***
Aroclor-1260	11096-82-5	NA	NA	NA	NA	NA	NA	***
	TOTAL:							1,000 surface

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg
PBCs SW-846 8082								
Parameter	CAS No.							
Aroclor-1016	12674-11-2	NA	NA	NA	<80	NA	NA	***
Aroclor-1221	11104-28-2	NA	NA	NA	<80	NA	NA	***
Aroclor-1232	11141-16-5	NA	NA	NA	<80	NA	NA	***
Aroclor-1242	53469-21-9	NA	NA	NA	<80	NA	NA	***
Aroclor-1248	12672-29-6	NA	NA	NA	<80	NA	NA	***
Aroclor-1254	11097-69-1	NA	NA	NA	<80	NA	NA	***
Aroclor-1260	11096-82-5	NA	NA	NA	<80	NA	NA	***
	TOTAL:				0			1,000 surface

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.
		ug/kg	ug/kg	ug/L	ug/kg	ug/kg	ug/L	ug/kg
PBCs SW-846 8082								
Parameter	CAS No.							
Aroclor-1016	12674-11-2	NA	NA	NA	<80	NA	NA	***
Aroclor-1221	11104-28-2	NA	NA	NA	<80	NA	NA	***
Aroclor-1232	11141-16-5	NA	NA	NA	<80	NA	NA	***
Aroclor-1242	53469-21-9	NA	NA	NA	<80	NA	NA	***
Aroclor-1248	12672-29-6	NA	NA	NA	<80	NA	NA	***
Aroclor-1254	11097-69-1	NA	NA	NA	<80	NA	NA	***
Aroclor-1260	11096-82-5	NA	NA	NA	<80	NA	NA	***
	TOTAL:				0			1,000 surface

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	Class GA Ambient
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Water Qual.
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Standards
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	mg/L
TAL METALS									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	SB	0.05
Aluminum, Al	1.0	7,584	6,432	2,569	3,783	751	3,481	SB	*
Arsenic, As	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7.5 or SB	0.025
Barium, Ba	0.5	35.5	44.5	51.4	68.4	11.3	127	300 or SB	1
Beryllium, Be	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.16 or SB	**0.003
Calcium, Ca	1.0	6,960	6,144	75,688	3,905	2,750	14,069	SB	*
Cadmium, Cd	0.5	0.058	<0.5	<0.5	<0.5	<0.5	<0.5	1 or SB	0.01
Cobalt, Co	0.5	<0.5	<0.5	<0.5	0.608	1.68	<0.5	30 or SB	*
Chromium, Cr	0.5	11.1	11.7	3.89	7.23	2.65	4.27	10 or SB	0.05
Copper, Cu	0.5	16.5	18.2	32.2	44.5	11.4	5.30	25 or SB	0.2
Iron, Fe	0.5	14,880	16,464	8,477	12,005	3,344	5,655	2,000 or SB	0.3
Potassium, K	3.0	474	507	<3.0	384	117	<3.0	SB	*
Magnesium, Mg	1.0	1,896	3,638	34,773	1,019	1,121	2,637	SB	**35
Manganese, Mn	0.5	190	311	134	110	17.5	61.4	SB	0.3
Sodium, Na	1.0	189	151	209	419	318	136	SB	20
Nickel, Ni	0.5	9.08	9.79	6.35	16.9	6.04	4.15	13 or SB	*
Lead, Pb	0.5	32.4	31.1	61.1	380	8.54	291	SB	0.025
Antimony, Sb	1.0	<1.0	<1.0	<1.0	21.7	<1.0	<1.0	SB	**.003
Selenium, Se	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2 or SB	0.01
Thallium, Tl	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	SB	**.004
Vanadium, V	0.5	17.7	23.4	80.4	13.1	4.91	9.28	150 or SB	*
Zinc, Zn	0.5	25.7	47.4	66.4	75.6	6.53	129	20 or SB	0.3
Mercury, Hg	0.05	<0.05	0.140	0.105	<0.05	0.107	<0.05	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B1 [1-2]	B1 [4-5]	B2 [0-1]	B4 [2-4]	B4 [6-8]	B5 [2-4]	TAGM 4046	Class GA Ambient
Laboratory ID:		0020174	0020175	0020176	0020177	0020178	0020179	Rec. Soil	Water Qual.
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Standards
Units:		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	mg/L
TAL METALS (DISSOLVED)									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	NA	NA	NA	NA	NA	NA	SB	0.05
Aluminum, Al	1.0	NA	NA	NA	NA	NA	NA	SB	*
Arsenic, As	1.0	NA	NA	NA	NA	NA	NA	7.5 or SB	0.025
Barium, Ba	0.5	NA	NA	NA	NA	NA	NA	300 or SB	1
Beryllium, Be	0.5	NA	NA	NA	NA	NA	NA	0.16 or SB	**0.003
Calcium, Ca	1.0	NA	NA	NA	NA	NA	NA	SB	*
Cadmium, Cd	0.5	NA	NA	NA	NA	NA	NA	1 or SB	0.01
Cobalt, Co	0.5	NA	NA	NA	NA	NA	NA	30 or SB	*
Chromium, Cr	0.5	NA	NA	NA	NA	NA	NA	10 or SB	0.05
Copper, Cu	0.5	NA	NA	NA	NA	NA	NA	25 or SB	0.2
Iron, Fe	0.5	NA	NA	NA	NA	NA	NA	2,000 or SB	0.3
Potassium, K	3.0	NA	NA	NA	NA	NA	NA	SB	*
Magnesium, Mg	1.0	NA	NA	NA	NA	NA	NA	SB	**35
Manganese, Mn	0.5	NA	NA	NA	NA	NA	NA	SB	0.3
Sodium, Na	1.0	NA	NA	NA	NA	NA	NA	SB	20
Nickel, Ni	0.5	NA	NA	NA	NA	NA	NA	13 or SB	*
Lead, Pb	0.5	NA	NA	NA	NA	NA	NA	SB	0.025
Antimony, Sb	1.0	NA	NA	NA	NA	NA	NA	SB	**.003
Selenium, Se	1.0	NA	NA	NA	NA	NA	NA	2 or SB	0.01
Thallium, Tl	0.5	NA	NA	NA	NA	NA	NA	SB	**.004
Vanadium, V	0.5	NA	NA	NA	NA	NA	NA	150 or SB	*
Zinc, Zn	0.5	NA	NA	NA	NA	NA	NA	20 or SB	0.3
Mercury, Hg	0.05	NA	NA	NA	NA	NA	NA	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	Class GA Ambient
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Water Qual.
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Standards
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	mg/kg	mg/L
TAL METALS									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	<0.5	<0.5	0.633	<0.030	<0.5	<0.5	SB	0.05
Aluminum, Al	1.0	8,197	2,904	5,040	195	4,525	6,270	SB	*
Arsenic, As	1.0	<1.0	<1.0	<1.0	<0.025	<1.0	<1.0	7.5 or SB	0.025
Barium, Ba	0.5	33.0	16.0	48.6	2.18	108	87.2	300 or SB	1
Beryllium, Be	0.5	<0.5	<0.5	<0.5	<0.030	<0.5	<0.5	0.16 or SB	**0.003
Calcium, Ca	1.0	1,237	1,545	4,282	168	4,131	15,485	SB	*
Cadmium, Cd	0.5	<0.5	<0.5	<0.5	<0.030	<0.5	<0.5	1 or SB	0.01
Cobalt, Co	0.5	<0.5	0.528	<0.5	<0.050	0.597	<0.5	30 or SB	*
Chromium, Cr	0.5	9.66	6.76	8.04	0.906	25.7	7.35	10 or SB	0.05
Copper, Cu	0.5	16.2	7.67	14.1	0.858	116	40.6	25 or SB	0.2
Iron, Fe	0.5	14,793	7,304	9,456	765	13,123	13,348	2,000 or SB	0.3
Potassium, K	3.0	357	306	396	29.9	1,549	2,052	SB	*
Magnesium, Mg	1.0	2,561	2,209	1,747	124	3,534	2,617	SB	**35
Manganese, Mn	0.5	170	66.2	100	22.4	71.3	219	SB	0.3
Sodium, Na	1.0	74.7	140	172	231	153	160	SB	20
Nickel, Ni	0.5	9.22	6.76	8.00	0.516	20.8	7.30	13 or SB	*
Lead, Pb	0.5	12.5	3.57	75.4	0.355	77.8	329	SB	0.025
Antimony, Sb	1.0	<1.0	<1.0	<1.0	<0.050	3.60	<1.0	SB	**.003
Selenium, Se	1.0	<1.0	<1.0	<1.0	<0.025	<1.0	<1.0	2 or SB	0.01
Thallium, Tl	0.5	<0.5	<0.5	<0.5	<0.020	<0.5	<0.5	SB	**.004
Vanadium, V	0.5	14.2	10.6	13.2	0.812	28.8	14.1	150 or SB	*
Zinc, Zn	0.5	31.8	13.2	37.8	3.47	127	47.5	20 or SB	0.3
Mercury, Hg	0.05	0.103	0.114	0.338	0.0035	<0.05	0.094	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B5 [5-7]	MW-1 [5-6]	MW-1 [8-9]	MW-1	MW-2 [5-7]	MW-2 [9-11]	TAGM 4046	Class GA Ambient
Laboratory ID:		0020180	0020181	0020182	0020183	0020184	0020185	Rec. Soil	Water Qual.
Sampling Date:		08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	08/16/01	Cleanup Obj.	Standards
Units:		ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg	mg/kg	mg/L
TAL METALS (DISSOLVED)									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	NA	NA	NA	<0.030	NA	NA	SB	0.05
Aluminum, Al	1.0	NA	NA	NA	1.52	NA	NA	SB	*
Arsenic, As	1.0	NA	NA	NA	<0.025	NA	NA	7.5 or SB	0.025
Barium, Ba	0.5	NA	NA	NA	0.126	NA	NA	300 or SB	1
Beryllium, Be	0.5	NA	NA	NA	<0.030	NA	NA	0.16 or SB	**0.003
Calcium, Ca	1.0	NA	NA	NA	88.8	NA	NA	SB	*
Cadmium, Cd	0.5	NA	NA	NA	<0.030	NA	NA	1 or SB	0.01
Cobalt, Co	0.5	NA	NA	NA	<0.050	NA	NA	30 or SB	*
Chromium, Cr	0.5	NA	NA	NA	<0.030	NA	NA	10 or SB	0.05
Copper, Cu	0.5	NA	NA	NA	<0.030	NA	NA	25 or SB	0.2
Iron, Fe	0.5	NA	NA	NA	1.25	NA	NA	2,000 or SB	0.3
Potassium, K	3.0	NA	NA	NA	11.3	NA	NA	SB	*
Magnesium, Mg	1.0	NA	NA	NA	43.2	NA	NA	SB	**35
Manganese, Mn	0.5	NA	NA	NA	2.53	NA	NA	SB	0.3
Sodium, Na	1.0	NA	NA	NA	311	NA	NA	SB	20
Nickel, Ni	0.5	NA	NA	NA	<0.030	NA	NA	13 or SB	*
Lead, Pb	0.5	NA	NA	NA	<0.030	NA	NA	SB	0.025
Antimony, Sb	1.0	NA	NA	NA	<0.050	NA	NA	SB	**.003
Selenium, Se	1.0	NA	NA	NA	<0.025	NA	NA	2 or SB	0.01
Thallium, Tl	0.5	NA	NA	NA	<0.020	NA	NA	SB	**.004
Vanadium, V	0.5	NA	NA	NA	0.163	NA	NA	150 or SB	*
Zinc, Zn	0.5	NA	NA	NA	<0.030	NA	NA	20 or SB	0.3
Mercury, Hg	0.05	NA	NA	NA	<0.002	NA	NA	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	Class GA Ambient
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Water Qual.
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Standards
Units:		mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/L
TAL METALS									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	0.845	<0.5	134	<0.5	<0.5	<0.030	SB	0.05
Aluminum, Al	1.0	2,981	10,192	98.2	17,314	8,150	41.0	SB	*
Arsenic, As	1.0	<1.0	<1.0	<0.025	<1.0	<1.0	<0.025	7.5 or SB	0.025
Barium, Ba	0.5	103	73.5	2.74	429	119.0	1.13	300 or SB	1
Beryllium, Be	0.5	<0.5	0.598	<0.030	<0.5	<0.5	<0.030	0.16 or SB	**0.003
Calcium, Ca	1.0	3,043	24,871	1,513	24,325	1,695	92.7	SB	*
Cadmium, Cd	0.5	2.05	<0.5	<0.030	0.667	<0.5	<0.030	1 or SB	0.01
Cobalt, Co	0.5	2.52	<0.5	0.348	<0.5	<0.5	<0.050	30 or SB	*
Chromium, Cr	0.5	5.95	9.05	0.517	19.2	14.90	0.09	10 or SB	0.05
Copper, Cu	0.5	72.8	53.3	3.05	67.5	57.6	1.63	25 or SB	0.2
Iron, Fe	0.5	15,216	9,771	643	27,360	17,950	81.5	2,000 or SB	0.3
Potassium, K	3.0	647	3,796	36.8	385	496	27.1	SB	*
Magnesium, Mg	1.0	1,906	4,558	113	6,156	2,010	93.0	SB	**35
Manganese, Mn	0.5	246	93.7	10.4	255	262	1.82	SB	0.3
Sodium, Na	1.0	146	438	95.2	83.6	101	445	SB	20
Nickel, Ni	0.5	22.3	8.79	1.10	10.0	9.44	0.068	13 or SB	*
Lead, Pb	0.5	191	150	5.83	315	294	1.28	SB	0.025
Antimony, Sb	1.0	<1.0	<1.0	0.076	<1.0	<1.0	<0.050	SB	**.003
Selenium, Se	1.0	<1.0	<1.0	<0.025	<1.0	<1.0	<0.025	2 or SB	0.01
Thallium, Tl	0.5	<0.5	<0.5	<0.020	<0.5	<0.5	<0.020	SB	**.004
Vanadium, V	0.5	9.56	19.8	0.812	20.5	20.4	0.237	150 or SB	*
Zinc, Zn	0.5	321	39.2	6.86	395	220	2.11	20 or SB	0.3
Mercury, Hg	0.05	0.119	<0.05	0.011	0.799	1.12	<0.002	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		B-3 [1-3]	B-3 [8-10]	MW-2	MW-3 [0-2]	MW-3 [5-7]	MW-3	TAGM 4046	Class GA Ambient
Laboratory ID:		0020196	0020197	0020198	0020199	0020200	0020201	Rec. Soil	Water Qual.
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Standards
Units:		mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/L
TAL METALS (DISSOLVED)									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	NA	NA	<0.030	NA	NA	<0.030	SB	0.05
Aluminum, Al	1.0	NA	NA	1.38	NA	NA	0.605	SB	*
Arsenic, As	1.0	NA	NA	<0.025	NA	NA	<0.025	7.5 or SB	0.025
Barium, Ba	0.5	NA	NA	0.048	NA	NA	0.063	300 or SB	1
Beryllium, Be	0.5	NA	NA	<0.030	NA	NA	<0.030	0.16 or SB	**0.003
Calcium, Ca	1.0	NA	NA	346	NA	NA	70.3	SB	*
Cadmium, Cd	0.5	NA	NA	<0.030	NA	NA	<0.030	1 or SB	0.01
Cobalt, Co	0.5	NA	NA	<0.050	NA	NA	<0.050	30 or SB	*
Chromium, Cr	0.5	NA	NA	<0.030	NA	NA	<0.030	10 or SB	0.05
Copper, Cu	0.5	NA	NA	<0.030	NA	NA	<0.030	25 or SB	0.2
Iron, Fe	0.5	NA	NA	0.309	NA	NA	0.196	2,000 or SB	0.3
Potassium, K	3.0	NA	NA	19.4	NA	NA	27.3	SB	*
Magnesium, Mg	1.0	NA	NA	59.6	NA	NA	69.9	SB	**35
Manganese, Mn	0.5	NA	NA	1.37	NA	NA	0.517	SB	0.3
Sodium, Na	1.0	NA	NA	85.1	NA	NA	474	SB	20
Nickel, Ni	0.5	NA	NA	<0.030	NA	NA	<0.030	13 or SB	*
Lead, Pb	0.5	NA	NA	<0.030	NA	NA	<0.030	SB	0.025
Antimony, Sb	1.0	NA	NA	<0.050	NA	NA	<0.050	SB	**.003
Selenium, Se	1.0	NA	NA	<0.025	NA	NA	<0.025	2 or SB	0.01
Thallium, Tl	0.5	NA	NA	<0.020	NA	NA	<0.020	SB	**.004
Vanadium, V	0.5	NA	NA	0.188	NA	NA	0.198	150 or SB	*
Zinc, Zn	0.5	NA	NA	0.053	NA	NA	0.122	20 or SB	0.3
Mercury, Hg	0.05	NA	NA	<0.002	NA	NA	<0.002	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

B = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	Class GA Ambient
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Water Qual.
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Standards
Units:		mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/L
TAL METALS									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	<0.5	<0.5	<0.030	<0.5	<0.5	<0.030	SB	0.05
Aluminum, Al	1.0	3,000	3,028	1,128	5,445	1,864	172	SB	*
Arsenic, As	1.0	<1.0	<1.0	<0.025	<1.0	<1.0	<0.025	7.5 or SB	0.025
Barium, Ba	0.5	51.3	23.3	8.25	54.6	5.22	11.4	300 or SB	1
Beryllium, Be	0.5	<0.5	<0.5	<0.030	<0.5	<0.5	<0.030	0.16 or SB	**0.003
Calcium, Ca	1.0	3,950	1,196	296	72,765	8,371	1,163	SB	*
Cadmium, Cd	0.5	<0.5	<0.5	<0.030	0.554	<0.5	<0.030	1 or SB	0.01
Cobalt, Co	0.5	0.999	1.53	0.429	<0.5	<0.5	<0.050	30 or SB	*
Chromium, Cr	0.5	6.49	7.15	3.09	4.04	<0.5	0.465	10 or SB	0.05
Copper, Cu	0.5	25.7	14.5	7.05	14.1	1.68	3.61	25 or SB	0.2
Iron, Fe	0.5	9,360	9,875	3,650	7,128	5,874	727	2,000 or SB	0.3
Potassium, K	3.0	342	512	187	14,929	12.3	22.5	SB	*
Magnesium, Mg	1.0	1,056	1,649	558	20,939	1,156	171	SB	**35
Manganese, Mn	0.5	132	289	109	83.4	1.76	7.61	SB	0.3
Sodium, Na	1.0	97.5	84.4	20.6	350	13.8	110	SB	20
Nickel, Ni	0.5	7.43	7.55	3.06	4.89	<0.5	0.633	13 or SB	*
Lead, Pb	0.5	56.0	10.3	2.39	122	12.3	23.6	SB	0.025
Antimony, Sb	1.0	<1.0	<1.0	<0.050	<1.0	<1.0	<0.050	SB	**.003
Selenium, Se	1.0	<1.0	<1.0	<0.025	<1.0	<1.0	<0.005	2 or SB	0.01
Thallium, Tl	0.5	<0.5	<0.5	<0.020	<0.5	<0.5	<0.020	SB	**.004
Vanadium, V	0.5	13.9	12.1	3.41	43.9	<0.5	0.897	150 or SB	*
Zinc, Zn	0.5	60.3	41.4	11.8	164	2.72	9.62	20 or SB	0.3
Mercury, Hg	0.05	0.200	0.101	0.002	0.330	0.157	0.003	0.1	0.002

*No Standard or Guidance Value given ** Guidance SB = Site Background

AKRF, Inc.
Site: Greenpoint Lumber Yard

Sample ID:		MW-4 [0-2]	MW-4 [13-15]	MW-4	MW-5 [0-2]	MW-5 [4-6]	MW-5	TAGM 4046	Class GA Ambient
Laboratory ID:		0020202	0020203	0020204	0020205	0020206	0020207	Rec. Soil	Water Qual.
Sampling Date:		08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	Cleanup Obj.	Standards
Units:		mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/kg	mg/L
TAL METALS (DISSOLVED)									
PARAMETER	REPORTING LIMIT								
Silver, Ag	0.5	NA	NA	<0.030	NA	NA	<0.030	SB	0.05
Aluminum, Al	1.0	NA	NA	0.870	NA	NA	1.60	SB	*
Arsenic, As	1.0	NA	NA	<0.025	NA	NA	<0.025	7.5 or SB	0.025
Barium, Ba	0.5	NA	NA	0.054	NA	NA	<0.030	300 or SB	1
Beryllium, Be	0.5	NA	NA	<0.030	NA	NA	<0.030	0.16 or SB	**0.003
Calcium, Ca	1.0	NA	NA	127	NA	NA	313	SB	*
Cadmium, Cd	0.5	NA	NA	<0.030	NA	NA	<0.030	1 or SB	0.01
Cobalt, Co	0.5	NA	NA	<0.050	NA	NA	<0.050	30 or SB	*
Chromium, Cr	0.5	NA	NA	<0.030	NA	NA	<0.030	10 or SB	0.05
Copper, Cu	0.5	NA	NA	<0.030	NA	NA	<0.030	25 or SB	0.2
Iron, Fe	0.5	NA	NA	0.626	NA	NA	<0.030	2,000 or SB	0.3
Potassium, K	3.0	NA	NA	2.73	NA	NA	13.3	SB	*
Magnesium, Mg	1.0	NA	NA	18.8	NA	NA	55.1	SB	**35
Manganese, Mn	0.5	NA	NA	6.32	NA	NA	0.350	SB	0.3
Sodium, Na	1.0	NA	NA	14.3	NA	NA	96.8	SB	20
Nickel, Ni	0.5	NA	NA	<0.030	NA	NA	<0.030	13 or SB	*
Lead, Pb	0.5	NA	NA	<0.030	NA	NA	<0.030	SB	0.025
Antimony, Sb	1.0	NA	NA	<0.050	NA	NA	<0.050	SB	**.003
Selenium, Se	1.0	NA	NA	<0.025	NA	NA	<0.025	2 or SB	0.01
Thallium, Tl	0.5	NA	NA	<0.020	NA	NA	<0.020	SB	**.004
Vanadium, V	0.5	NA	NA	0.066	NA	NA	0.173	150 or SB	*
Zinc, Zn	0.5	NA	NA	0.032	NA	NA	<0.030	20 or SB	0.3
Mercury, Hg	0.05	NA	NA	<0.002	NA	NA	<0.002	0.1	0.002

*No Standard or Guidance Value given for GW / no RSCO given for soil.

** Guidance Value, no Standard exists.

SB = Site Background

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

Invoice #: 206701
Date: 08/28/01
PO #: Verbal-LB
Lab ID #: 0020174-0020185

Bill To:

AKRF Inc.
117 East 29th Street
New York, N.Y. 10016

Re: Greenpoint Lumber Yard – Project No.: 30260-0005

Item	Qty.	Description	Unit	Extended
1.	12	SW-846 8260	$100.00	$1,200.00
2.	12	SW-846 8270	$180.00	$2,160.00
3.	2	Pesticides	$95.00	$190.00
4.	2	PCBs	$65.00	$130.00
5.	13	TAL Metals	$120.00	$1,560.00

This Amount Due Upon Receipt: $5,240.00
To American Analytical Laboratories, Inc.

Interest charge 1.5% per month – 15 days after date of invoice

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

August 28, 2001

Mimi Sotiriou
AKRF Inc.
117 East 29th Street
New York, N.Y. 10016

Re: Greenpoint Lumber Yard – Project No.: 30260-0005

Dear Mr. Sotiriou;

Enclosed please find the Laboratory Analysis Report for samples received on August 17, 2001. American Analytical Laboratories analyzed the samples through August 28, 2001 for the following;

SAMPLE ID	ANALYSIS
B1 [1-2]	SW-846 8260, SW-846 8270, TAL Metals
B1 [4-5]	SW-846 8260, SW-846 8270, TAL Metals
B2 [0-1]	SW-846 8260, SW-846 8270, Pesticides, PCBs, TAL Metals
B4 [2-4]	SW-846 8260, SW-846 8270, TAL Metals
B4 [6-8]	SW-846 8260, SW-846 8270, TAL Metals
B5 [2-4]	SW-846 8260, SW-846 8270, Pesticides, PCBs, TAL Metals
B5 [5-7]	SW-846 8260, SW-846 8270, TAL Metals
MW-1 [5-6]	SW-846 8260, SW-846 8270, TAL Metals
MW-1 [8-9]	SW-846 8260, SW-846 8270, TAL Metals
MW-1	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved
MW-2 [5-7]	SW-846 8260, SW-846 8270, TAL Metals
MW-2 [9-11]	SW-846 8260, SW-846 8270, TAL Metals

This report consists of 65 pages of analytical results

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard -- Project No.: 30260-0005 (B1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	290
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	280
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	110
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	130
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	170
Anthracene	120-12-7	45
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	230
Benzidine	92-87-5	<40
Pyrene	129-00-0	290
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	140
Chrysene	218-01-9	160
Bis(2-ethylhexyl)Phthalate	117-81-7	730
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	270
Benzo(k)fluoranthene	207-08-9	280
Benzo(a)pyrene	50-32-8	170
Indeno(1,2,3-c,d)pyrene	193-39-5	<40
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	170

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-1 [1-2])
Date Received: 08/17/01	Laboratory ID: 0020174
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	7,584
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	35.5
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	6,960
Cadmium, Cd	0.5	0.058
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	11.1
Copper, Cu	0.5	16.5
Iron, Fe	0.5	14,880
Potassium, K	3.0	474
Magnesium, Mg	1.0	1,896
Manganese, Mn	0.5	190
Sodium, Na	1.0	189
Nickel, Ni	0.5	9.08
Lead, Pb	0.5	32.4
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	17.7
Zinc, Zn	0.5	25.7
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	110
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	95
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	160
Anthracene	120-12-7	<40
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	150
Benzidine	92-87-5	<40
Pyrene	129-00-0	220
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	110
Chrysene	218-01-9	140
Bis(2-ethylhexyl)Phthalate	117-81-7	840
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	260
Benzo(k)fluoranthene	207-08-9	270
Benzo(a)pyrene	50-32-8	150
Indeno(1,2,3-c,d)pyrene	193-39-5	96
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	100

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Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B1 [4-5])
Date Received: 08/17/01	Laboratory ID: 0020175
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	6,432
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	44.5
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	6,144
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	11.7
Copper, Cu	0.5	18.2
Iron, Fe	0.5	16,464
Potassium, K	3.0	507
Magnesium, Mg	1.0	3,638
Manganese, Mn	0.5	311
Sodium, Na	1.0	151
Nickel, Ni	0.5	9.79
Lead, Pb	0.5	31.1
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	23.4
Zinc, Zn	0.5	47.4
Mercury, Hg	0.05	0.140

Method: SW-846 6010/7000 Series

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	100
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	150
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	240
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	320
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	3,900
Anthracene	120-12-7	980
Carbazole	86-74-8	210
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	5,600
Benzidine	92-87-5	<40
Pyrene	129-00-0	7,800
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	4,000
Chrysene	218-01-9	4,400
Bis(2-ethylhexyl)Phthalate	117-81-7	440
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	6,000
Benzo(k)fluoranthene	207-08-9	6,400
Benzo(a)pyrene	50-32-8	3,800
Indeno(1,2,3-c,d)pyrene	193-39-5	540
Dibenzo(a,h)anthracene	53-70-3	1,100
Benzo(g,h,i)perylene	191-24-2	2,800

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-2 [0-1])
Date Received: 08/17/01	Laboratory ID:0020176
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PESTICIDES
SW-846 METHOD 8081

PARAMETER	CAS No.	RESULTS ug/kg
DBCP	96-12-8	<5
Hexachlorocyclopentadiene	77-47-4	<5
Hexachlorobenzene	118-74-1	<5
α-BHC	319-84-6	<5
γ-BHC(Lindane)	58-89-9	<5
β-BHC	319-85-7	<5
Heptachlor	76-44-8	<5
δ-BHC	319-86-8	<5
Aldrin	309-00-2	<5
Isodrin	465-73-6	<5
Heptachlor Epoxide	1024-57-3	<5
Endosulfan I	959-98-8	<5
4,4'-DDE	72-55-9	<5
Dieldrin	60-57-1	<5
Endrin	72-20-8	<5
Chlorobenzilate	510-15-6	<5
4,4'-DDD	72-54-8	<5
Endosulfan II	33213-65-9	<5
4,4'-DDT	50-29-3	6.4
Endrin Aldehyde	7421-93-4	<5
Endosulfan Sulfate	1031-07-8	<5
Methoxychlor	72-43-5	<5
Endrin Ketone	53494-70-5	<5
Chlordane	57-74-9	<5
Toxaphene	8001-35-2	<10

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-2 [0-1])
Date Received: 08/17/01	Laboratory ID:0020176
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PCBs as AROCLORS
SW-846 METHOD 8082

PARAMETER	CAS No.	RESULTS ug/kg
Aroclor-1016	12674-11-2	<80
Aroclor-1221	11104-28-2	<80
Aroclor-1232	11141-16-5	<80
Aroclor-1242	53469-21-9	<80
Aroclor-1248	12672-29-6	<80
Aroclor-1254	11097-69-1	130
Aroclor-1260	11096-82-5	170

Laboratory Director

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56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B2 [0-1])
Date Received: 08/17/01	Laboratory ID: 0020176
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	2,569
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	51.4
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	75,688
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	3.89
Copper, Cu	0.5	32.2
Iron, Fe	0.5	8,477
Potassium, K	3.0	<3.0
Magnesium, Mg	1.0	34,773
Manganese, Mn	0.5	134
Sodium, Na	1.0	209
Nickel, Ni	0.5	6.35
Lead, Pb	0.5	61.1
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	80.4
Zinc, Zn	0.5	66.4
Mercury, Hg	0.05	0.105

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	<40
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	640
Anthracene	120-12-7	130
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	1,500
Benzidine	92-87-5	<40
Pyrene	129-00-0	2,700
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	1,200
Chrysene	218-01-9	1,400
Bis(2-ethylhexyl)Phthalate	117-81-7	<40
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	1,800
Benzo(k)fluoranthene	207-08-9	1,900
Benzo(a)pyrene	50-32-8	1,300
Indeno(1,2,3-c,d)pyrene	193-39-5	1,100
Dibenzo(a,h)anthracene	53-70-3	100
Benzo(g,h,i)perylene	191-24-2	1,200

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020177
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	3,783
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	68.4
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	3,905
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	0.608
Chromium, Cr	0.5	7.23
Copper, Cu	0.5	44.5
Iron, Fe	0.5	12,005
Potassium, K	3.0	384
Magnesium, Mg	1.0	1,019
Manganese, Mn	0.5	110
Sodium, Na	1.0	419
Nickel, Ni	0.5	16.9
Lead, Pb	0.5	380
Antimony, Sb	1.0	21.7
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	13.1
Zinc, Zn	0.5	75.6
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	<40
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	<40
Anthracene	120-12-7	<40
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	<40
Benzidine	92-87-5	<40
Pyrene	129-00-0	<40
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	<40
Chrysene	218-01-9	<40
Bis(2-ethylhexyl)Phthalate	117-81-7	220
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	<40
Benzo(k)fluoranthene	207-08-9	<40
Benzo(a)pyrene	50-32-8	<40
Indeno(1,2,3-c,d)pyrene	193-39-5	<40
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B4 [6-8])
Date Received: 08/17/01	Laboratory ID: 0020178
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	751
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	11.3
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	2,750
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	1.68
Chromium, Cr	0.5	2.65
Copper, Cu	0.5	11.4
Iron, Fe	0.5	3,344
Potassium, K	3.0	117
Magnesium, Mg	1.0	1,121
Manganese, Mn	0.5	17.5
Sodium, Na	1.0	318
Nickel, Ni	0.5	6.04
Lead, Pb	0.5	8.54
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	4.91
Zinc, Zn	0.5	6.53
Mercury, Hg	0.05	0.107

Method: SW-846 6010/7000 Series

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	<40
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	120
Anthracene	120-12-7	<40
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	150
Benzidine	92-87-5	<40
Pyrene	129-00-0	200
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	87
Chrysene	218-01-9	110
Bis(2-ethylhexyl)Phthalate	117-81-7	2,400
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	120
Benzo(k)fluoranthene	207-08-9	130
Benzo(a)pyrene	50-32-8	92
Indeno(1,2,3-c,d)pyrene	193-39-5	69
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	94

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Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-5 [2-4])
Date Received: 08/17/01	Laboratory ID:0020179
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PESTICIDES
SW-846 METHOD 8081

PARAMETER	CAS No.	RESULTS ug/kg
DBCP	96-12-8	<5
Hexachlorocyclopentadiene	77-47-4	<5
Hexachlorobenzene	118-74-1	<5
α-BHC	319-84-6	<5
γ-BHC(Lindane)	58-89-9	<5
β-BHC	319-85-7	<5
Heptachlor	76-44-8	<5
δ-BHC	319-86-8	<5
Aldrin	309-00-2	<5
Isodrin	465-73-6	<5
Heptachlor Epoxide	1024-57-3	<5
Endosulfan I	959-98-8	<5
4,4'-DDE	72-55-9	<5
Dieldrin	60-57-1	<5
Endrin	72-20-8	<5
Chlorobenzilate	510-15-6	<5
4,4'-DDD	72-54-8	<5
Endosulfan II	33213-65-9	<5
4,4'-DDT	50-29-3	<5
Endrin Aldehyde	7421-93-4	<5
Endosulfan Sulfate	1031-07-8	<5
Methoxychlor	72-43-5	<5
Endrin Ketone	53494-70-5	<5
Chlordane	57-74-9	<5
Toxaphene	8001-35-2	<10

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B-5 [2-4])
Date Received: 08/17/01	Laboratory ID:0020179
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PCBs as AROCLORS
SW-846 METHOD 8082

PARAMETER	CAS No.	RESULTS ug/kg
Aroclor-1016	12674-11-2	<80
Aroclor-1221	11104-28-2	<80
Aroclor-1232	11141-16-5	<80
Aroclor-1242	53469-21-9	<80
Aroclor-1248	12672-29-6	<80
Aroclor-1254	11097-69-1	<80
Aroclor-1260	11096-82-5	<80

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [2-4])
Date Received: 08/17/01	Laboratory ID: 0020179
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	3,481
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	127
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	14,069
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	4.27
Copper, Cu	0.5	5.30
Iron, Fe	0.5	5,655
Potassium, K	3.0	<3.0
Magnesium, Mg	1.0	2,637
Manganese, Mn	0.5	61.4
Sodium, Na	1.0	136
Nickel, Ni	0.5	4.15
Lead, Pb	0.5	291
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	9.28
Zinc, Zn	0.5	129
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	200
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	28
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	53
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	47
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	61
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	570
Anthracene	120-12-7	130
Carbazole	86-74-8	60
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	490
Benzidine	92-87-5	<40
Pyrene	129-00-0	460
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	220
Chrysene	218-01-9	220
Bis(2-ethylhexyl)Phthalate	117-81-7	2,500
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	300
Benzo(k)fluoranthene	207-08-9	310
Benzo(a)pyrene	50-32-8	220
Indeno(1,2,3-c,d)pyrene	193-39-5	150
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	170

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (B5 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020180
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	8,197
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	33.0
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	1,237
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	9.66
Copper, Cu	0.5	16.2
Iron, Fe	0.5	14,793
Potassium, K	3.0	357
Magnesium, Mg	1.0	2,561
Manganese, Mn	0.5	170
Sodium, Na	1.0	74.7
Nickel, Ni	0.5	9.22
Lead, Pb	0.5	12.5
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	14.2
Zinc, Zn	0.5	31.8
Mercury, Hg	0.05	0.103

Method: SW-846 6010/7000 Series

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	780
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	8
m+p Xylene	108-38-3/106-42-3	14
o-Xylene	95-47-6	8
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	8
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	30
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	230
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	<40
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	<40
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	<40
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	<40
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	<40
Anthracene	120-12-7	<40
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	<40
Benzidine	92-87-5	<40
Pyrene	129-00-0	<40
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	<40
Chrysene	218-01-9	<40
Bis(2-ethylhexyl)Phthalate	117-81-7	2,200
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	<40
Benzo(k)fluoranthene	207-08-9	<40
Benzo(a)pyrene	50-32-8	<40
Indeno(1,2,3-c,d)pyrene	193-39-5	<40
Dibenzo(a,h)anthracene	53-70-3	<40
Benzo(g,h,i)perylene	191-24-2	<40

Lori Beyer
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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [5-6])
Date Received: 08/17/01	Laboratory ID: 0020181
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	2,904
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	16.0
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	1,545
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	0.528
Chromium, Cr	0.5	6.76
Copper, Cu	0.5	7.67
Iron, Fe	0.5	7,304
Potassium, K	3.0	306
Magnesium, Mg	1.0	2,209
Manganese, Mn	0.5	66.2
Sodium, Na	1.0	140
Nickel, Ni	0.5	6.76
Lead, Pb	0.5	3.57
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	10.6
Zinc, Zn	0.5	13.2
Mercury, Hg	0.05	0.114

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	96
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

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AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<40
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	110
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	88
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	<40
Dimethyl Phthalate	131-11-3	<40

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: 08/21/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	100
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	46
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	100
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	800
Anthracene	120-12-7	190
Carbazole	86-74-8	91
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	690
Benzidine	92-87-5	<40
Pyrene	129-00-0	780
Butyl benzyl Phthalate	85-68-7	<40
3,3´-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	360
Chrysene	218-01-9	380
Bis(2-ethylhexyl)Phthalate	117-81-7	1,600
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	510
Benzo(k)fluoranthene	207-08-9	540
Benzo(a)pyrene	50-32-8	310
Indeno(1,2,3-c,d)pyrene	193-39-5	240
Dibenzo(a,h)anthracene	53-70-3	86
Benzo(g,h,i)perylene	191-24-2	230

Ken Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1 [8-9])
Date Received: 08/17/01	Laboratory ID: 0020182
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	0.633
Aluminum, Al	1.0	5,040
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	48.6
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	4,282
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	8.04
Copper, Cu	0.5	14.1
Iron, Fe	0.5	9,456
Potassium, K	3.0	396
Magnesium, Mg	1.0	1,747
Manganese, Mn	0.5	100
Sodium, Na	1.0	172
Nickel, Ni	0.5	8.00
Lead, Pb	0.5	75.4
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	13.2
Zinc, Zn	0.5	37.8
Mercury, Hg	0.05	0.338

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/20/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Lou Beyer
Laboratory Director

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56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/20/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Lou Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: 08/22/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	18
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: 08/22/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3´-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	195
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	2.18
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	168
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	0.906
Copper, Cu	0.030	0.858
Iron, Fe	0.030	765
Potassium, K	0.400	29.9
Magnesium, Mg	0.030	124
Manganese, Mn	0.030	22.4
Sodium, Na	0.050	231
Nickel, Ni	0.030	0.516
Lead, Pb	0.030	0.355
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.812
Zinc, Zn	0.030	3.47
Mercury, Hg	0.002	0.0035

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-1)
Date Received: 08/17/01	Laboratory ID: 0020183
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	1.52
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	0.126
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	88.8
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	1.25
Potassium, K	0.400	11.3
Magnesium, Mg	0.030	43.2
Manganese, Mn	0.030	2.53
Sodium, Na	0.050	311
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.163
Zinc, Zn	0.030	<0.030
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	130
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: 08/22/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	220
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	<40
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	590
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	170
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: 08/22/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	270
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	210
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	500
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	3,200
Anthracene	120-12-7	750
Carbazole	86-74-8	<40
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	4,900
Benzidine	92-87-5	<40
Pyrene	129-00-0	4,500
Butyl benzyl Phthalate	85-68-7	<40
3,3′-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	2,100
Chrysene	218-01-9	2,800
Bis(2-ethylhexyl)Phthalate	117-81-7	910
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	3,200
Benzo(k)fluoranthene	207-08-9	3,400
Benzo(a)pyrene	50-32-8	1,800
Indeno(1,2,3-c,d)pyrene	193-39-5	1,100
Dibenzo(a,h)anthracene	53-70-3	520
Benzo(g,h,i)perylene	191-24-2	1,300

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020184
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	4,525
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	108
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	4,131
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	0.597
Chromium, Cr	0.5	25.7
Copper, Cu	0.5	116
Iron, Fe	0.5	13,123
Potassium, K	3.0	1,549
Magnesium, Mg	1.0	3,534
Manganese, Mn	0.5	71.3
Sodium, Na	1.0	153
Nickel, Ni	0.5	20.8
Lead, Pb	0.5	77.8
Antimony, Sb	1.0	3.60
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	28.8
Zinc, Zn	0.5	127
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	120
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/21/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: 08/22/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<40
N-Nitrosodimethylamine	62-75-9	<40
Aniline	62-53-3	<40
Bis(2-chloroethyl)ether	111-44-4	<40
Phenol	108-95-1	<40
2-Chlorophenol	95-57-8	<40
1,3-Dichlorobenzene	541-73-1	<40
1,4-Dichlorobenzene	106-46-7	<40
1,2-Dichlorobenzene	95-50-1	<40
Benzyl Alcohol	100-51-6	<40
Bis(2-chloroisopropyl)ether	108-60-1	<40
2-Methylphenol	95-48-7	<40
Hexachloroethane	67-72-1	<40
N-Nitrosodi-n-propylamine	621-64-7	<40
3+4-Methylphenol	108-39-4 / 106-44-5	<40
Nitrobenzene	98-95-3	<40
Isophorone	78-59-1	<40
2- Nitrophenol	88-75-5	<40
2,4-Dimethylphenol	105-67-9	<40
Benzoic Acid	65-85-0	<70
Bis(2-chloroethoxy)methane	111-91-1	<40
2,4-Dichlorophenol	102-83-2	<40
1,2,4-Trichlorobenzene	120-82-1	<40
Naphthalene	91-20-3	74
4-Chloroaniline	106-47-8	<40
Hexachlorobutadiene	87-68-3	<40
4-Chloro-3-methylphenol	59-50-7	<40
2-Methylnaphthalene	91-57-6	56
Hexachlorocyclopentadiene	77-47-4	<40
2,4,5-Trichlorophenol	95-95-4	<40
2,4,6-Trichlorophenol	88-06-2	<40
2-Chloronaphthalene	91-58-7	<40
2-Nitroaniline	88-74-4	<40
Acenaphthylene	208-96-8	68
Dimethyl Phthalate	131-11-3	<40

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: 08/22/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<40
Acenaphthene	83-32-9	140
3-Nitroaniline	99-09-2	<40
2,4-Dinitrophenol	51-28-5	<70
Dibenzofuran	132-64-9	98
2,4-Dinitrotoluene	121-14-2	<40
4-Nitrophenol	100-02-7	<50
Fluorene	86-73-7	190
4-Chlorophenyl phenyl ether	7005-72-3	<40
Azobenzene	103-33-3	<40
Diethyl Phthalate	84-66-2	<40
4-Nitroaniline	100-01-6	<50
4,6-Dinitro-2-methylphenol	534-52-1	<40
N-Nitrosodiphenylamine	86-30-6	<40
4-Bromophenyl phenyl ether	101-55-3	<40
Hexachlorobenzene	118-74-1	<40
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	1,200
Anthracene	120-12-7	370
Carbazole	86-74-8	110
Di-n-butyl Phthalate	84-74-2	<40
Fluoranthene	206-44-0	1,300
Benzidine	92-87-5	<40
Pyrene	129-00-0	1,200
Butyl benzyl Phthalate	85-68-7	<40
3,3'-Dichlorobenzidine	91-94-1	<40
Benzo(a)anthracene	56-55-3	910
Chrysene	218-01-9	940
Bis(2-ethylhexyl)Phthalate	117-81-7	660
Di-n-octyl Phthalate	117-84-0	<40
Benzo(b)fluoranthene	205-99-2	1,400
Benzo(k)fluoranthene	207-08-9	1,500
Benzo(a)pyrene	50-32-8	840
Indeno(1,2,3-c,d)pyrene	193-39-5	83
Dibenzo(a,h)anthracene	53-70-3	190
Benzo(g,h,i)perylene	191-24-2	440

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30206-0005 (MW-2 [9-11])
Date Received: 08/17/01	Laboratory ID: 0020185
Date Extracted: 08/24/01-08/28/01	Matrix: Soil
Date Analyzed: 08/24/01-08/28/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	6,270
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	87.2
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	15,485
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	7.35
Copper, Cu	0.5	40.6
Iron, Fe	0.5	13,348
Potassium, K	3.0	2,052
Magnesium, Mg	1.0	2,617
Manganese, Mn	0.5	219
Sodium, Na	1.0	160
Nickel, Ni	0.5	7.30
Lead, Pb	0.5	329
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	14.1
Zinc, Zn	0.5	47.5
Mercury, Hg	0.05	0.094

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
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AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: AAL20000@aol.com

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: Mimi Sotiriou, AKRF, Inc.
CONTACT: (212) 340-9779, (917) 612-7877
SAMPLER (SIGNATURE): Mimi Sotiriou
DATE: 8/16/01 TIME: 6pm
SAMPLE(S) SEALED: YES / NO
SAMPLER NAME (PRINT): Mimi Sotiriou
CORRECT CONTAINER(S): YES / NO
PROJECT LOCATION: Greenpoint Lumber Yard 30260-0005

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260	8270	TAL Metals	Rest 8082	PCB 8081	P.O.# 30260-0005
0020174	S	G		B1 (1-2)	X	X	X			
0020175	S			B1 (4-5)						
0020176	S			B2 (0-1)				X	X	
0020177	S			B4 (2-4)						
0020178	S			B4 (6-8)						
0020179	S			B5 (2-4)				X	X	
0020180	S			B5 (5-7)						
0020181	S			MW-1 (5-6)						
0020182	S			MW-1 (8-9)						
0020183	L			MW-1			F/UF			
0020184	S			MW-2 (5-7)						
0020185	S			MW-2 (9-11)						

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A=AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS: Both Filtered + UnFiltered Metals in GW Sample MW-1

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
Mimi Sotiriou	8/16 5pm	Mimi Sotiriou	[illegible]	8/17/01 3:00	[illegible]
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

Invoice #: 206801
Date: 08/28/01
PO #: Verbal-LB
Lab ID #: 0020196-0020207

Bill To:

AKRF Inc.
117 East 29th Street
New York, N.Y. 10016

Re: Greenpoint Lumber Yard – Project No.: 30260-0005

Item	Qty.	Description	Unit	Extended
1.	12	SW-846 8260	$100.00	$1,200.00
2.	12	SW-846 8270	$180.00	$2,160.00
3.	2	Pesticides	$95.00	$190.00
4.	2	PCBs	$65.00	$130.00
5.	16	TAL Metals	$120.00	$1,920.00

This Amount Due Upon Receipt: $5,600.00
To American Analytical Laboratories, Inc.

Interest charge 1.5% per month – 15 days after date of invoice

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

August 28, 2001

Mimi Sotiriou
AKRF Inc.
117 East 29th Street
New York, N.Y. 10016

Re: Greenpoint Lumber Yard – Project No.: 30260-0005

Dear Ms. Sotiriou;

Enclosed please find the Laboratory Analysis Report for samples received on August 17, 2001. American Analytical Laboratories analyzed the samples through August 28, 2001 for the following;

SAMPLE ID	ANALYSIS
B-3 [1-3]	SW-846 8260, SW-846 8270, TAL Metals
B-3 [8-10]	SW-846 8260, SW-846 8270, TAL Metals
MW-2	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved
MW-3 [0-2]	SW-846 8260, SW-846 8270, Pesticides, PCBs, TAL Metals
MW-3 [5-7]	SW-846 8260, SW-846 8270, TAL Metals
MW-3	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved
MW-4 [0-2]	SW-846 8260, SW-846 8270, TAL Metals
MW-4 [13-15]	SW-846 8260, SW-846 8270, TAL Metals
MW-4	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved
MW-5 [0-2]	SW-846 8260, SW-846 8270, Pesticides, PCBs, TAL Metals
MW-5 [4-6]	SW-846 8260, SW-846 8270, TAL Metals
MW-5	SW-846 8260, SW-846 8270, TAL Metals, TAL Metals Dissolved

This report consists of 72 pages of analytical results

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lou Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<80
N-Nitrosodimethylamine	62-75-9	<80
Aniline	62-53-3	<80
Bis(2-chloroethyl)ether	111-44-4	<80
Phenol	108-95-1	<80
2-Chlorophenol	95-57-8	<80
1,3-Dichlorobenzene	541-73-1	<80
1,4-Dichlorobenzene	106-46-7	<80
1,2-Dichlorobenzene	95-50-1	<80
Benzyl Alcohol	100-51-6	<80
Bis(2-chloroisopropyl)ether	108-60-1	<80
2-Methylphenol	95-48-7	<80
Hexachloroethane	67-72-1	<80
N-Nitrosodi-n-propylamine	621-64-7	<80
3+4-Methylphenol	108-39-4 / 106-44-5	<80
Nitrobenzene	98-95-3	<80
Isophorone	78-59-1	<80
2- Nitrophenol	88-75-5	<80
2,4-Dimethylphenol	105-67-9	<80
Benzoic Acid	65-85-0	<140
Bis(2-chloroethoxy)methane	111-91-1	<80
2,4-Dichlorophenol	102-83-2	<80
1,2,4-Trichlorobenzene	120-82-1	<80
Naphthalene	91-20-3	460
4-Chloroaniline	106-47-8	<80
Hexachlorobutadiene	87-68-3	<80
4-Chloro-3-methylphenol	59-50-7	<80
2-Methylnaphthalene	91-57-6	1,200
Hexachlorocyclopentadiene	77-47-4	<80
2,4,5-Trichlorophenol	95-95-4	<80
2,4,6-Trichlorophenol	88-06-2	<80
2-Chloronaphthalene	91-58-7	<80
2-Nitroaniline	88-74-4	<80
Acenaphthylene	208-96-8	120
Dimethyl Phthalate	131-11-3	<80

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<80
Acenaphthene	83-32-9	80
3-Nitroaniline	99-09-2	<80
2,4-Dinitrophenol	51-28-5	<140
Dibenzofuran	132-64-9	170
2,4-Dinitrotoluene	121-14-2	<80
4-Nitrophenol	100-02-7	<100
Fluorene	86-73-7	280
4-Chlorophenyl phenyl ether	7005-72-3	<80
Azobenzene	103-33-3	<80
Diethyl Phthalate	84-66-2	<80
4-Nitroaniline	100-01-6	<100
4,6-Dinitro-2-methylphenol	534-52-1	<80
N-Nitrosodiphenylamine	86-30-6	<80
4-Bromophenyl phenyl ether	101-55-3	<80
Hexachlorobenzene	118-74-1	<80
Pentachlorophenol	87-86-5	<120
Phenanthrene	85-01-8	1,400
Anthracene	120-12-7	260
Carbazole	86-74-8	90
Di-n-butyl Phthalate	84-74-2	110
Fluoranthene	206-44-0	1,100
Benzidine	92-87-5	<80
Pyrene	129-00-0	990
Butyl benzyl Phthalate	85-68-7	<80
3,3´-Dichlorobenzidine	91-94-1	<80
Benzo(a)anthracene	56-55-3	570
Chrysene	218-01-9	740
Bis(2-ethylhexyl)Phthalate	117-81-7	110
Di-n-octyl Phthalate	117-84-0	<80
Benzo(b)fluoranthene	205-99-2	520
Benzo(k)fluoranthene	207-08-9	360
Benzo(a)pyrene	50-32-8	500
Indeno(1,2,3-c,d)pyrene	193-39-5	310
Dibenzo(a,h)anthracene	53-70-3	110
Benzo(g,h,i)perylene	191-24-2	340

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [1-3])
Date Received: 08/17/01	Laboratory ID: 0020196
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	0.845
Aluminum, Al	1.0	2,981
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	103
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	3,043
Cadmium, Cd	0.5	2.05
Cobalt, Co	0.5	2.52
Chromium, Cr	0.5	5.95
Copper, Cu	0.5	72.8
Iron, Fe	0.5	15,216
Potassium, K	3.0	647
Magnesium, Mg	1.0	1,906
Manganese, Mn	0.5	246
Sodium, Na	1.0	146
Nickel, Ni	0.5	22.3
Lead, Pb	0.5	191
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	9.56
Zinc, Zn	0.5	321
Mercury, Hg	0.05	0.119

Method: SW-846 6010/7000 Series

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lou Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard -- Project No.: 30260-0005 (B-3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<80
N-Nitrosodimethylamine	62-75-9	<80
Aniline	62-53-3	<80
Bis(2-chloroethyl)ether	111-44-4	<80
Phenol	108-95-1	<80
2-Chlorophenol	95-57-8	<80
1,3-Dichlorobenzene	541-73-1	<80
1,4-Dichlorobenzene	106-46-7	<80
1,2-Dichlorobenzene	95-50-1	<80
Benzyl Alcohol	100-51-6	<80
Bis(2-chloroisopropyl)ether	108-60-1	<80
2-Methylphenol	95-48-7	<80
Hexachloroethane	67-72-1	<80
N-Nitrosodi-n-propylamine	621-64-7	<80
3+4-Methylphenol	108-39-4 / 106-44-5	<80
Nitrobenzene	98-95-3	<80
Isophorone	78-59-1	<80
2- Nitrophenol	88-75-5	<80
2,4-Dimethylphenol	105-67-9	<80
Benzoic Acid	65-85-0	<140
Bis(2-chloroethoxy)methane	111-91-1	<80
2,4-Dichlorophenol	102-83-2	<80
1,2,4-Trichlorobenzene	120-82-1	<80
Naphthalene	91-20-3	87
4-Chloroaniline	106-47-8	<80
Hexachlorobutadiene	87-68-3	<80
4-Chloro-3-methylphenol	59-50-7	<80
2-Methylnaphthalene	91-57-6	<80
Hexachlorocyclopentadiene	77-47-4	<80
2,4,5-Trichlorophenol	95-95-4	<80
2,4,6-Trichlorophenol	88-06-2	<80
2-Chloronaphthalene	91-58-7	<80
2-Nitroaniline	88-74-4	<80
Acenaphthylene	208-96-8	<80
Dimethyl Phthalate	131-11-3	<80

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<80
Acenaphthene	83-32-9	170
3-Nitroaniline	99-09-2	<80
2,4-Dinitrophenol	51-28-5	<140
Dibenzofuran	132-64-9	95
2,4-Dinitrotoluene	121-14-2	<80
4-Nitrophenol	100-02-7	<100
Fluorene	86-73-7	140
4-Chlorophenyl phenyl ether	7005-72-3	<80
Azobenzene	103-33-3	<80
Diethyl Phthalate	84-66-2	<80
4-Nitroaniline	100-01-6	<100
4,6-Dinitro-2-methylphenol	534-52-1	<80
N-Nitrosodiphenylamine	86-30-6	<80
4-Bromophenyl phenyl ether	101-55-3	<80
Hexachlorobenzene	118-74-1	<80
Pentachlorophenol	87-86-5	<120
Phenanthrene	85-01-8	1,500
Anthracene	120-12-7	380
Carbazole	86-74-8	110
Di-n-butyl Phthalate	84-74-2	<80
Fluoranthene	206-44-0	2,100
Benzidine	92-87-5	<80
Pyrene	129-00-0	2,100
Butyl benzyl Phthalate	85-68-7	<80
3,3´-Dichlorobenzidine	91-94-1	<80
Benzo(a)anthracene	56-55-3	970
Chrysene	218-01-9	1,000
Bis(2-ethylhexyl)Phthalate	117-81-7	460
Di-n-octyl Phthalate	117-84-0	<80
Benzo(b)fluoranthene	205-99-2	940
Benzo(k)fluoranthene	207-08-9	670
Benzo(a)pyrene	50-32-8	950
Indeno(1,2,3-c,d)pyrene	193-39-5	550
Dibenzo(a,h)anthracene	53-70-3	150
Benzo(g,h,i)perylene	191-24-2	620

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (B-3 [8-10])
Date Received: 08/17/01	Laboratory ID: 0020197
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	10,192
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	73.5
Beryllium, Be	0.5	0.598
Calcium, Ca	1.0	24,871
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	9.05
Copper, Cu	0.5	53.3
Iron, Fe	0.5	9,771
Potassium, K	3.0	3,796
Magnesium, Mg	1.0	4,558
Manganese, Mn	0.5	93.7
Sodium, Na	1.0	438
Nickel, Ni	0.5	8.79
Lead, Pb	0.5	150
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	19.8
Zinc, Zn	0.5	39.2
Mercury, Hg	0.05	<0.05

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	<5
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3´-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	134
Aluminum, Al	0.050	98.2
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	2.74
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	1,513
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	0.348
Chromium, Cr	0.030	0.517
Copper, Cu	0.030	3.05
Iron, Fe	0.030	643
Potassium, K	0.400	36.8
Magnesium, Mg	0.030	113
Manganese, Mn	0.030	10.4
Sodium, Na	0.050	95.2
Nickel, Ni	0.030	1.10
Lead, Pb	0.030	5.83
Antimony, Sb	0.050	0.076
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.812
Zinc, Zn	0.030	6.86
Mercury, Hg	0.002	0.011

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-2)
Date Received: 08/17/01	Laboratory ID: 0020198
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	1.38
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	0.048
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	346
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	0.309
Potassium, K	0.400	19.4
Magnesium, Mg	0.030	59.6
Manganese, Mn	0.030	1.37
Sodium, Na	0.050	85.1
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.188
Zinc, Zn	0.030	0.053
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Bayer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<80
N-Nitrosodimethylamine	62-75-9	<80
Aniline	62-53-3	<80
Bis(2-chloroethyl)ether	111-44-4	<80
Phenol	108-95-1	<80
2-Chlorophenol	95-57-8	<80
1,3-Dichlorobenzene	541-73-1	<80
1,4-Dichlorobenzene	106-46-7	<80
1,2-Dichlorobenzene	95-50-1	<80
Benzyl Alcohol	100-51-6	<80
Bis(2-chloroisopropyl)ether	108-60-1	<80
2-Methylphenol	95-48-7	<80
Hexachloroethane	67-72-1	<80
N-Nitrosodi-n-propylamine	621-64-7	<80
3+4-Methylphenol	108-39-4 / 106-44-5	<80
Nitrobenzene	98-95-3	<80
Isophorone	78-59-1	<80
2- Nitrophenol	88-75-5	<80
2,4-Dimethylphenol	105-67-9	<80
Benzoic Acid	65-85-0	190
Bis(2-chloroethoxy)methane	111-91-1	<80
2,4-Dichlorophenol	102-83-2	<80
1,2,4-Trichlorobenzene	120-82-1	<80
Naphthalene	91-20-3	<80
4-Chloroaniline	106-47-8	<80
Hexachlorobutadiene	87-68-3	<80
4-Chloro-3-methylphenol	59-50-7	<80
2-Methylnaphthalene	91-57-6	<80
Hexachlorocyclopentadiene	77-47-4	<80
2,4,5-Trichlorophenol	95-95-4	<80
2,4,6-Trichlorophenol	88-06-2	<80
2-Chloronaphthalene	91-58-7	<80
2-Nitroaniline	88-74-4	<80
Acenaphthylene	208-96-8	170
Dimethyl Phthalate	131-11-3	<80

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AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<80
Acenaphthene	83-32-9	200
3-Nitroaniline	99-09-2	<80
2,4-Dinitrophenol	51-28-5	<140
Dibenzofuran	132-64-9	98
2,4-Dinitrotoluene	121-14-2	<80
4-Nitrophenol	100-02-7	<100
Fluorene	86-73-7	250
4-Chlorophenyl phenyl ether	7005-72-3	<80
Azobenzene	103-33-3	<80
Diethyl Phthalate	84-66-2	<80
4-Nitroaniline	100-01-6	<100
4,6-Dinitro-2-methylphenol	534-52-1	<80
N-Nitrosodiphenylamine	86-30-6	<80
4-Bromophenyl phenyl ether	101-55-3	<80
Hexachlorobenzene	118-74-1	<80
Pentachlorophenol	87-86-5	<60
Phenanthrene	85-01-8	2,800
Anthracene	120-12-7	670
Carbazole	86-74-8	300
Di-n-butyl Phthalate	84-74-2	<80
Fluoranthene	206-44-0	4,400
Benzidine	92-87-5	<80
Pyrene	129-00-0	3,900
Butyl benzyl Phthalate	85-68-7	<80
3,3´-Dichlorobenzidine	91-94-1	<80
Benzo(a)anthracene	56-55-3	2,000
Chrysene	218-01-9	2,200
Bis(2-ethylhexyl)Phthalate	117-81-7	100
Di-n-octyl Phthalate	117-84-0	<80
Benzo(b)fluoranthene	205-99-2	2,500
Benzo(k)fluoranthene	207-08-9	880
Benzo(a)pyrene	50-32-8	2,000
Indeno(1,2,3-c,d)pyrene	193-39-5	1,200
Dibenzo(a,h)anthracene	53-70-3	340
Benzo(g,h,i)perylene	191-24-2	1,300

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID:0020199
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PESTICIDES
SW-846 METHOD 8081

PARAMETER	CAS No.	RESULTS ug/kg
DBCP	96-12-8	<5
Hexachlorocyclopentadiene	77-47-4	<5
Hexachlorobenzene	118-74-1	<5
α-BHC	319-84-6	<5
γ-BHC(Lindane)	58-89-9	<5
β-BHC	319-85-7	<5
Heptachlor	76-44-8	<5
δ-BHC	319-86-8	<5
Aldrin	309-00-2	<5
Isodrin	465-73-6	<5
Heptachlor Epoxide	1024-57-3	<5
Endosulfan I	959-98-8	<5
4,4'-DDE	72-55-9	<5
Dieldrin	60-57-1	<5
Endrin	72-20-8	<5
Chlorobenzilate	510-15-6	<5
4,4'-DDD	72-54-8	<5
Endosulfan II	33213-65-9	<5
4,4'-DDT	50-29-3	<5
Endrin Aldehyde	7421-93-4	<5
Endosulfan Sulfate	1031-07-8	<5
Methoxychlor	72-43-5	<5
Endrin Ketone	53494-70-5	<5
Chlordane	57-74-9	<5
Toxaphene	8001-35-2	<10

Lori Beyer
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard -- Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID:0020199
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PCBs as AROCLORS
SW-846 METHOD 8082

PARAMETER	CAS No.	RESULTS ug/kg
Aroclor-1016	12674-11-2	<80
Aroclor-1221	11104-28-2	<80
Aroclor-1232	11141-16-5	<80
Aroclor-1242	53469-21-9	<80
Aroclor-1248	12672-29-6	<80
Aroclor-1254	11097-69-1	<80
Aroclor-1260	11096-82-5	<80

Lou Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020199
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	17,314
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	429
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	24,325
Cadmium, Cd	0.5	0.667
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	19.2
Copper, Cu	0.5	67.5
Iron, Fe	0.5	27,360
Potassium, K	3.0	385
Magnesium, Mg	1.0	6,156
Manganese, Mn	0.5	255
Sodium, Na	1.0	83.6
Nickel, Ni	0.5	10.0
Lead, Pb	0.5	315
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	20.5
Zinc, Zn	0.5	395
Mercury, Hg	0.05	0.799

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Lou Bayer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<320
N-Nitrosodimethylamine	62-75-9	<320
Aniline	62-53-3	<320
Bis(2-chloroethyl)ether	111-44-4	<320
Phenol	108-95-1	<320
2-Chlorophenol	95-57-8	<320
1,3-Dichlorobenzene	541-73-1	<320
1,4-Dichlorobenzene	106-46-7	<320
1,2-Dichlorobenzene	95-50-1	<320
Benzyl Alcohol	100-51-6	<320
Bis(2-chloroisopropyl)ether	108-60-1	<320
2-Methylphenol	95-48-7	<320
Hexachloroethane	67-72-1	<320
N-Nitrosodi-n-propylamine	621-64-7	<320
3+4-Methylphenol	108-39-4 / 106-44-5	<320
Nitrobenzene	98-95-3	<320
Isophorone	78-59-1	<320
2- Nitrophenol	88-75-5	<320
2,4-Dimethylphenol	105-67-9	<320
Benzoic Acid	65-85-0	<560
Bis(2-chloroethoxy)methane	111-91-1	<320
2,4-Dichlorophenol	102-83-2	<320
1,2,4-Trichlorobenzene	120-82-1	<320
Naphthalene	91-20-3	3,800
4-Chloroaniline	106-47-8	<320
Hexachlorobutadiene	87-68-3	<320
4-Chloro-3-methylphenol	59-50-7	<320
2-Methylnaphthalene	91-57-6	1,500
Hexachlorocyclopentadiene	77-47-4	<320
2,4,5-Trichlorophenol	95-95-4	<320
2,4,6-Trichlorophenol	88-06-2	<320
2-Chloronaphthalene	91-58-7	<320
2-Nitroaniline	88-74-4	<320
Acenaphthylene	208-96-8	620
Dimethyl Phthalate	131-11-3	<320

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<320
Acenaphthene	83-32-9	3,800
3-Nitroaniline	99-09-2	<320
2,4-Dinitrophenol	51-28-5	<560
Dibenzofuran	132-64-9	2,300
2,4-Dinitrotoluene	121-14-2	<320
4-Nitrophenol	100-02-7	<400
Fluorene	86-73-7	4,500
4-Chlorophenyl phenyl ether	7005-72-3	<320
Azobenzene	103-33-3	<320
Diethyl Phthalate	84-66-2	<320
4-Nitroaniline	100-01-6	<400
4,6-Dinitro-2-methylphenol	534-52-1	<320
N-Nitrosodiphenylamine	86-30-6	<320
4-Bromophenyl phenyl ether	101-55-3	<320
Hexachlorobenzene	118-74-1	<320
Pentachlorophenol	87-86-5	<240
Phenanthrene	85-01-8	31,000
Anthracene	120-12-7	7,600
Carbazole	86-74-8	3,300
Di-n-butyl Phthalate	84-74-2	<320
Fluoranthene	206-44-0	30,000
Benzidine	92-87-5	<320
Pyrene	129-00-0	24,000
Butyl benzyl Phthalate	85-68-7	<320
3,3´-Dichlorobenzidine	91-94-1	<320
Benzo(a)anthracene	56-55-3	12,000
Chrysene	218-01-9	11,000
Bis(2-ethylhexyl)Phthalate	117-81-7	660
Di-n-octyl Phthalate	117-84-0	<320
Benzo(b)fluoranthene	205-99-2	13,000
Benzo(k)fluoranthene	207-08-9	4,500
Benzo(a)pyrene	50-32-8	10,000
Indeno(1,2,3-c,d)pyrene	193-39-5	5,600
Dibenzo(a,h)anthracene	53-70-3	1,700
Benzo(g,h,i)perylene	191-24-2	5,200

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Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3 [5-7])
Date Received: 08/17/01	Laboratory ID: 0020200
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	8,150
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	119
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	1,695
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	14.9
Copper, Cu	0.5	57.6
Iron, Fe	0.5	17,950
Potassium, K	3.0	496
Magnesium, Mg	1.0	2,010
Manganese, Mn	0.5	262
Sodium, Na	1.0	101
Nickel, Ni	0.5	9.44
Lead, Pb	0.5	294
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	20.4
Zinc, Zn	0.5	220
Mercury, Hg	0.05	1.12

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	<5
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/23/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3′-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	41
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	1.13
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	92.7
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	0.086
Copper, Cu	0.030	1.63
Iron, Fe	0.030	81.5
Potassium, K	0.400	27.1
Magnesium, Mg	0.030	93.0
Manganese, Mn	0.030	1.82
Sodium, Na	0.050	445
Nickel, Ni	0.030	0.068
Lead, Pb	0.030	1.28
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.237
Zinc, Zn	0.030	2.11
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-3)
Date Received: 08/17/01	Laboratory ID: 0020201
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	0.605
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	0.063
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	70.3
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	0.196
Potassium, K	0.400	27.3
Magnesium, Mg	0.030	69.9
Manganese, Mn	0.030	0.517
Sodium, Na	0.050	474
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.198
Zinc, Zn	0.030	0.122
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<1600
N-Nitrosodimethylamine	62-75-9	<1600
Aniline	62-53-3	<1600
Bis(2-chloroethyl)ether	111-44-4	<1600
Phenol	108-95-1	<1600
2-Chlorophenol	95-57-8	<1600
1,3-Dichlorobenzene	541-73-1	<1600
1,4-Dichlorobenzene	106-46-7	<1600
1,2-Dichlorobenzene	95-50-1	<1600
Benzyl Alcohol	100-51-6	<1600
Bis(2-chloroisopropyl)ether	108-60-1	<1600
2-Methylphenol	95-48-7	<1600
Hexachloroethane	67-72-1	<1600
N-Nitrosodi-n-propylamine	621-64-7	<1600
3+4-Methylphenol	108-39-4 / 106-44-5	<1600
Nitrobenzene	98-95-3	<1600
Isophorone	78-59-1	<1600
2- Nitrophenol	88-75-5	<1600
2,4-Dimethylphenol	105-67-9	<1600
Benzoic Acid	65-85-0	<2800
Bis(2-chloroethoxy)methane	111-91-1	<1600
2,4-Dichlorophenol	102-83-2	<1600
1,2,4-Trichlorobenzene	120-82-1	<1600
Naphthalene	91-20-3	2,000
4-Chloroaniline	106-47-8	<1600
Hexachlorobutadiene	87-68-3	<1600
4-Chloro-3-methylphenol	59-50-7	<1600
2-Methylnaphthalene	91-57-6	1,600
Hexachlorocyclopentadiene	77-47-4	<1600
2,4,5-Trichlorophenol	95-95-4	<1600
2,4,6-Trichlorophenol	88-06-2	<1600
2-Chloronaphthalene	91-58-7	<1600
2-Nitroaniline	88-74-4	<1600
Acenaphthylene	208-96-8	<1600
Dimethyl Phthalate	131-11-3	<1600

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<1600
Acenaphthene	83-32-9	6,100
3-Nitroaniline	99-09-2	<1600
2,4-Dinitrophenol	51-28-5	<2800
Dibenzofuran	132-64-9	2,800
2,4-Dinitrotoluene	121-14-2	<1600
4-Nitrophenol	100-02-7	<2000
Fluorene	86-73-7	5,300
4-Chlorophenyl phenyl ether	7005-72-3	<1600
Azobenzene	103-33-3	<1600
Diethyl Phthalate	84-66-2	<1600
4-Nitroaniline	100-01-6	<2000
4,6-Dinitro-2-methylphenol	534-52-1	<1600
N-Nitrosodiphenylamine	86-30-6	<1600
4-Bromophenyl phenyl ether	101-55-3	<1600
Hexachlorobenzene	118-74-1	<1600
Pentachlorophenol	87-86-5	<2400
Phenanthrene	85-01-8	79,000
Anthracene	120-12-7	9,200
Carbazole	86-74-8	6,200
Di-n-butyl Phthalate	84-74-2	<1600
Fluoranthene	206-44-0	86,000
Benzidine	92-87-5	<1600
Pyrene	129-00-0	76,000
Butyl benzyl Phthalate	85-68-7	<1600
3,3´-Dichlorobenzidine	91-94-1	<1600
Benzo(a)anthracene	56-55-3	30,000
Chrysene	218-01-9	38,000
Bis(2-ethylhexyl)Phthalate	117-81-7	<1600
Di-n-octyl Phthalate	117-84-0	<1600
Benzo(b)fluoranthene	205-99-2	40,000
Benzo(k)fluoranthene	207-08-9	14,000
Benzo(a)pyrene	50-32-8	31,000
Indeno(1,2,3-c,d)pyrene	193-39-5	20,000
Dibenzo(a,h)anthracene	53-70-3	5,500
Benzo(g,h,i)perylene	191-24-2	22,000

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020202
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	3,000
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	51.3
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	3,950
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	0.999
Chromium, Cr	0.5	6.49
Copper, Cu	0.5	25.7
Iron, Fe	0.5	9,360
Potassium, K	3.0	342
Magnesium, Mg	1.0	1,056
Manganese, Mn	0.5	132
Sodium, Na	1.0	97.5
Nickel, Ni	0.5	7.43
Lead, Pb	0.5	56.0
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	13.9
Zinc, Zn	0.5	60.3
Mercury, Hg	0.05	0.200

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<80
N-Nitrosodimethylamine	62-75-9	<80
Aniline	62-53-3	<80
Bis(2-chloroethyl)ether	111-44-4	<80
Phenol	108-95-1	<80
2-Chlorophenol	95-57-8	<80
1,3-Dichlorobenzene	541-73-1	<80
1,4-Dichlorobenzene	106-46-7	<80
1,2-Dichlorobenzene	95-50-1	<80
Benzyl Alcohol	100-51-6	<80
Bis(2-chloroisopropyl)ether	108-60-1	<80
2-Methylphenol	95-48-7	<80
Hexachloroethane	67-72-1	<80
N-Nitrosodi-n-propylamine	621-64-7	<80
3+4-Methylphenol	108-39-4 / 106-44-5	<80
Nitrobenzene	98-95-3	<80
Isophorone	78-59-1	<80
2- Nitrophenol	88-75-5	<80
2,4-Dimethylphenol	105-67-9	<80
Benzoic Acid	65-85-0	170
Bis(2-chloroethoxy)methane	111-91-1	<80
2,4-Dichlorophenol	102-83-2	<80
1,2,4-Trichlorobenzene	120-82-1	<80
Naphthalene	91-20-3	150
4-Chloroaniline	106-47-8	<80
Hexachlorobutadiene	87-68-3	<80
4-Chloro-3-methylphenol	59-50-7	<80
2-Methylnaphthalene	91-57-6	120
Hexachlorocyclopentadiene	77-47-4	<80
2,4,5-Trichlorophenol	95-95-4	<80
2,4,6-Trichlorophenol	88-06-2	<80
2-Chloronaphthalene	91-58-7	<80
2-Nitroaniline	88-74-4	<80
Acenaphthylene	208-96-8	120
Dimethyl Phthalate	131-11-3	<80

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<80
Acenaphthene	83-32-9	360
3-Nitroaniline	99-09-2	<80
2,4-Dinitrophenol	51-28-5	<140
Dibenzofuran	132-64-9	220
2,4-Dinitrotoluene	121-14-2	<80
4-Nitrophenol	100-02-7	<100
Fluorene	86-73-7	380
4-Chlorophenyl phenyl ether	7005-72-3	<80
Azobenzene	103-33-3	<80
Diethyl Phthalate	84-66-2	<80
4-Nitroaniline	100-01-6	<100
4,6-Dinitro-2-methylphenol	534-52-1	<80
N-Nitrosodiphenylamine	86-30-6	<80
4-Bromophenyl phenyl ether	101-55-3	<80
Hexachlorobenzene	118-74-1	<80
Pentachlorophenol	87-86-5	<120
Phenanthrene	85-01-8	6,100
Anthracene	120-12-7	830
Carbazole	86-74-8	590
Di-n-butyl Phthalate	84-74-2	<80
Fluoranthene	206-44-0	7,100
Benzidine	92-87-5	<80
Pyrene	129-00-0	5,900
Butyl benzyl Phthalate	85-68-7	<80
3,3´-Dichlorobenzidine	91-94-1	<80
Benzo(a)anthracene	56-55-3	2,600
Chrysene	218-01-9	3,200
Bis(2-ethylhexyl)Phthalate	117-81-7	<80
Di-n-octyl Phthalate	117-84-0	<80
Benzo(b)fluoranthene	205-99-2	3,400
Benzo(k)fluoranthene	207-08-9	1,400
Benzo(a)pyrene	50-32-8	2,600
Indeno(1,2,3-c,d)pyrene	193-39-5	1,900
Dibenzo(a,h)anthracene	53-70-3	490
Benzo(g,h,i)perylene	191-24-2	2,000

Lon Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4 [13-15])
Date Received: 08/17/01	Laboratory ID: 0020203
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	3,028
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	23.3
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	1,196
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	1.53
Chromium, Cr	0.5	7.15
Copper, Cu	0.5	14.5
Iron, Fe	0.5	9,875
Potassium, K	3.0	512
Magnesium, Mg	1.0	1,649
Manganese, Mn	0.5	289
Sodium, Na	1.0	84.4
Nickel, Ni	0.5	7.55
Lead, Pb	0.5	10.3
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	12.1
Zinc, Zn	0.5	41.4
Mercury, Hg	0.05	0.101

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	<5
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3´-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	1,128
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	8.25
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	296
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	0.429
Chromium, Cr	0.030	3.09
Copper, Cu	0.030	7.05
Iron, Fe	0.030	3,650
Potassium, K	0.400	187
Magnesium, Mg	0.030	558
Manganese, Mn	0.030	109
Sodium, Na	0.050	20.6
Nickel, Ni	0.030	3.06
Lead, Pb	0.030	2.39
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	3.41
Zinc, Zn	0.030	11.8
Mercury, Hg	0.002	0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-4)
Date Received: 08/17/01	Laboratory ID: 0020204
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	0.870
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	0.054
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	127
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	0.626
Potassium, K	0.400	2.73
Magnesium, Mg	0.030	18.8
Manganese, Mn	0.030	6.32
Sodium, Na	0.050	14.3
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.066
Zinc, Zn	0.030	0.032
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<320
N-Nitrosodimethylamine	62-75-9	<320
Aniline	62-53-3	<320
Bis(2-chloroethyl)ether	111-44-4	<320
Phenol	108-95-1	<320
2-Chlorophenol	95-57-8	<320
1,3-Dichlorobenzene	541-73-1	<320
1,4-Dichlorobenzene	106-46-7	<320
1,2-Dichlorobenzene	95-50-1	<320
Benzyl Alcohol	100-51-6	<320
Bis(2-chloroisopropyl)ether	108-60-1	<320
2-Methylphenol	95-48-7	<320
Hexachloroethane	67-72-1	<320
N-Nitrosodi-n-propylamine	621-64-7	<320
3+4-Methylphenol	108-39-4 / 106-44-5	<320
Nitrobenzene	98-95-3	<320
Isophorone	78-59-1	<320
2- Nitrophenol	88-75-5	<320
2,4-Dimethylphenol	105-67-9	<320
Benzoic Acid	65-85-0	<560
Bis(2-chloroethoxy)methane	111-91-1	<320
2,4-Dichlorophenol	102-83-2	<320
1,2,4-Trichlorobenzene	120-82-1	<320
Naphthalene	91-20-3	<320
4-Chloroaniline	106-47-8	<320
Hexachlorobutadiene	87-68-3	<320
4-Chloro-3-methylphenol	59-50-7	<320
2-Methylnaphthalene	91-57-6	<320
Hexachlorocyclopentadiene	77-47-4	<320
2,4,5-Trichlorophenol	95-95-4	<320
2,4,6-Trichlorophenol	88-06-2	<320
2-Chloronaphthalene	91-58-7	<320
2-Nitroaniline	88-74-4	<320
Acenaphthylene	208-96-8	<320
Dimethyl Phthalate	131-11-3	<320

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<320
Acenaphthene	83-32-9	460
3-Nitroaniline	99-09-2	<320
2,4-Dinitrophenol	51-28-5	<560
Dibenzofuran	132-64-9	<320
2,4-Dinitrotoluene	121-14-2	<320
4-Nitrophenol	100-02-7	<400
Fluorene	86-73-7	450
4-Chlorophenyl phenyl ether	7005-72-3	<320
Azobenzene	103-33-3	<320
Diethyl Phthalate	84-66-2	<320
4-Nitroaniline	100-01-6	<400
4,6-Dinitro-2-methylphenol	534-52-1	<320
N-Nitrosodiphenylamine	86-30-6	<320
4-Bromophenyl phenyl ether	101-55-3	<320
Hexachlorobenzene	118-74-1	<320
Pentachlorophenol	87-86-5	<480
Phenanthrene	85-01-8	7,300
Anthracene	120-12-7	1,400
Carbazole	86-74-8	540
Di-n-butyl Phthalate	84-74-2	<320
Fluoranthene	206-44-0	11,000
Benzidine	92-87-5	<320
Pyrene	129-00-0	10,000
Butyl benzyl Phthalate	85-68-7	<320
3,3´-Dichlorobenzidine	91-94-1	<320
Benzo(a)anthracene	56-55-3	5,400
Chrysene	218-01-9	5,300
Bis(2-ethylhexyl)Phthalate	117-81-7	350
Di-n-octyl Phthalate	117-84-0	<320
Benzo(b)fluoranthene	205-99-2	4,700
Benzo(k)fluoranthene	207-08-9	4,100
Benzo(a)pyrene	50-32-8	5,000
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200
Dibenzo(a,h)anthracene	53-70-3	820
Benzo(g,h,i)perylene	191-24-2	3,400

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID:0020205
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PESTICIDES
SW-846 METHOD 8081

PARAMETER	CAS No.	RESULTS ug/kg
DBCP	96-12-8	<5
Hexachlorocyclopentadiene	77-47-4	<5
Hexachlorobenzene	118-74-1	<5
α-BHC	319-84-6	<5
γ-BHC(Lindane)	58-89-9	<5
β-BHC	319-85-7	<5
Heptachlor	76-44-8	<5
δ-BHC	319-86-8	<5
Aldrin	309-00-2	<5
Isodrin	465-73-6	<5
Heptachlor Epoxide	1024-57-3	<5
Endosulfan I	959-98-8	60
4,4'-DDE	72-55-9	<5
Dieldrin	60-57-1	<5
Endrin	72-20-8	<5
Chlorobenzilate	510-15-6	<5
4,4'-DDD	72-54-8	<5
Endosulfan II	33213-65-9	<5
4,4'-DDT	50-29-3	9.6
Endrin Aldehyde	7421-93-4	<5
Endosulfan Sulfate	1031-07-8	<5
Methoxychlor	72-43-5	<5
Endrin Ketone	53494-70-5	9.2
Chlordane	57-74-9	<5
Toxaphene	8001-35-2	<10

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID:0020205
Date Extracted: 08/23/01	Matrix: Soil
Date Analyzed: 08/25/01	ELAP#: 11418

PCBs as AROCLORS
SW-846 METHOD 8082

PARAMETER	CAS No.	RESULTS ug/kg
Aroclor-1016	12674-11-2	<80
Aroclor-1221	11104-28-2	<80
Aroclor-1232	11141-16-5	<80
Aroclor-1242	53469-21-9	<80
Aroclor-1248	12672-29-6	<80
Aroclor-1254	11097-69-1	<80
Aroclor-1260	11096-82-5	<80

Lori Beyer
Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [0-2])
Date Received: 08/17/01	Laboratory ID: 0020205
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	5,445
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	54.6
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	72,765
Cadmium, Cd	0.5	0.554
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	4.04
Copper, Cu	0.5	14.1
Iron, Fe	0.5	7,128
Potassium, K	3.0	14,929
Magnesium, Mg	1.0	20,939
Manganese, Mn	0.5	83.4
Sodium, Na	1.0	350
Nickel, Ni	0.5	4.89
Lead, Pb	0.5	122
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	43.9
Zinc, Zn	0.5	164
Mercury, Hg	0.05	0.330

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
Dichlorodifluoromethane	75-71-8	<5
Chloromethane	74-87-3	<5
Vinyl Chloride	75-01-4	<5
Bromomethane	74-83-9	<5
Chloroethane	75-00-3	<5
Trichlorofluoromethane	75-69-4	<5
Acetone	67-64-1	<5
1,1-Dichloroethene	75-35-4	<5
Vinyl Acetate	108-05-4	<5
Carbon Disulfide	75-15-0	<5
Methylene Chloride	75-09-2	<5
trans-1,2-Dichloroethene	156-60-5	<5
1,1-Dichloroethane	75-34-3	<5
2-Butanone	78-93-3	<5
2,2-Dichloropropane	594-20-7	<5
cis-1,2-Dichloroethene	156-59-2	<5
Chloroform	67-66-3	<5
Bromochloromethane	74-97-5	<5
1,1,1-Trichloroethane	71-55-6	<5
1,1-Dichloropropene	563-58-6	<5
Carbon Tetrachloride	56-23-5	<5
2-Chloroethyl vinyl ether	110-75-8	<5
1,2-Dichloroethane	107-06-2	<5
Benzene	71-43-2	<5
Trichloroethene	79-01-6	<5
1,2-Dichloropropane	78-87-5	<5
Bromodichloromethane	75-27-4	<5
4-Methyl-2-Pentanone	108-10-1	<5
Dibromomethane	74-95-3	<5
cis-1,3-Dichloropropene	10061-01-5	<5
Toluene	108-88-3	<5
trans-1,3-Dichloropropene	10061-02-6	<5
1,1,2-Trichloroethane	79-00-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: NA	Matrix: Soil Level: Low
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS No.	RESULTS ug/kg
2-Hexanone	591-78-6	<5
1,3-Dichloropropane	142-28-9	<5
Tetrachloroethene	127-18-4	<5
Chlorodibromomethane	124-48-1	<5
1,2-Dibromoethane	106-93-4	<5
Chlorobenzene	108-90-7	<5
1,1,1,2-Tetrachloroethane	630-20-6	<5
Ethylbenzene	100-41-4	<5
m+p Xylene	108-38-3/106-42-3	<10
o-Xylene	95-47-6	<5
Styrene	100-42-5	<5
Isopropylbenzene	98-82-8	<5
Bromoform	75-25-2	<5
1,2,3-Trichloropropane	96-18-4	<5
n-Propylbenzene	103-65-1	<5
Bromobenzene	108-86-1	<5
1,3,5-Trimethylbenzene	108-67-8	<5
2-Chlorotoluene	95-49-8	<5
4-Chlorotoluene	106-43-4	<5
tert-Butylbenzene	98-06-6	<5
1,2,4-Trimethylbenzene	95-63-6	<5
sec-Butylbenzene	135-98-8	<5
4-Isopropyltoluene	99-87-6	<5
1,1,2,2-Tetrachloroethane	79-34-5	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
n-Butylbenzene	104-51-8	<5
1,2-Dibromo-3-chloropropane	96-12-8	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Hexachlorobutadiene	87-68-3	<5
Naphthalene	91-20-3	<5
1,2,3-Trichlorobenzene	87-61-6	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
Pyridine	110-86-1	<320
N-Nitrosodimethylamine	62-75-9	<320
Aniline	62-53-3	<320
Bis(2-chloroethyl)ether	111-44-4	<320
Phenol	108-95-1	<320
2-Chlorophenol	95-57-8	<320
1,3-Dichlorobenzene	541-73-1	<320
1,4-Dichlorobenzene	106-46-7	<320
1,2-Dichlorobenzene	95-50-1	<320
Benzyl Alcohol	100-51-6	<320
Bis(2-chloroisopropyl)ether	108-60-1	<320
2-Methylphenol	95-48-7	<320
Hexachloroethane	67-72-1	<320
N-Nitrosodi-n-propylamine	621-64-7	<320
3+4-Methylphenol	108-39-4 / 106-44-5	<320
Nitrobenzene	98-95-3	<320
Isophorone	78-59-1	<320
2- Nitrophenol	88-75-5	<320
2,4-Dimethylphenol	105-67-9	<320
Benzoic Acid	65-85-0	<560
Bis(2-chloroethoxy)methane	111-91-1	<320
2,4-Dichlorophenol	102-83-2	<320
1,2,4-Trichlorobenzene	120-82-1	<320
Naphthalene	91-20-3	<320
4-Chloroaniline	106-47-8	<320
Hexachlorobutadiene	87-68-3	<320
4-Chloro-3-methylphenol	59-50-7	<320
2-Methylnaphthalene	91-57-6	<320
Hexachlorocyclopentadiene	77-47-4	<320
2,4,5-Trichlorophenol	95-95-4	<320
2,4,6-Trichlorophenol	88-06-2	<320
2-Chloronaphthalene	91-58-7	<320
2-Nitroaniline	88-74-4	<320
Acenaphthylene	208-96-8	<320
Dimethyl Phthalate	131-11-3	<320

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/27/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/kg
2,6-Dinitrotoluene	606-20-2	<320
Acenaphthene	83-32-9	1,200
3-Nitroaniline	99-09-2	<320
2,4-Dinitrophenol	51-28-5	<560
Dibenzofuran	132-64-9	640
2,4-Dinitrotoluene	121-14-2	<320
4-Nitrophenol	100-02-7	<400
Fluorene	86-73-7	1,200
4-Chlorophenyl phenyl ether	7005-72-3	<320
Azobenzene	103-33-3	<320
Diethyl Phthalate	84-66-2	<320
4-Nitroaniline	100-01-6	<400
4,6-Dinitro-2-methylphenol	534-52-1	<320
N-Nitrosodiphenylamine	86-30-6	<320
4-Bromophenyl phenyl ether	101-55-3	<320
Hexachlorobenzene	118-74-1	<320
Pentachlorophenol	87-86-5	<480
Phenanthrene	85-01-8	15,000
Anthracene	120-12-7	3,300
Carbazole	86-74-8	1000
Di-n-butyl Phthalate	84-74-2	<320
Fluoranthene	206-44-0	20,000
Benzidine	92-87-5	<320
Pyrene	129-00-0	18,000
Butyl benzyl Phthalate	85-68-7	<320
3,3´-Dichlorobenzidine	91-94-1	<320
Benzo(a)anthracene	56-55-3	9,200
Chrysene	218-01-9	9,000
Bis(2-ethylhexyl)Phthalate	117-81-7	430
Di-n-octyl Phthalate	117-84-0	<320
Benzo(b)fluoranthene	205-99-2	10,000
Benzo(k)fluoranthene	207-08-9	3,400
Benzo(a)pyrene	50-32-8	8,200
Indeno(1,2,3-c,d)pyrene	193-39-5	4,900
Dibenzo(a,h)anthracene	53-70-3	1,400
Benzo(g,h,i)perylene	191-24-2	5,000

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5 [4-6])
Date Received: 08/17/01	Laboratory ID: 0020206
Date Extracted: 08/24/01	Matrix: Soil
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/kg	RESULTS mg/kg
Silver, Ag	0.5	<0.5
Aluminum, Al	1.0	1,864
Arsenic, As	1.0	<1.0
Barium, Ba	0.5	5.22
Beryllium, Be	0.5	<0.5
Calcium, Ca	1.0	8,371
Cadmium, Cd	0.5	<0.5
Cobalt, Co	0.5	<0.5
Chromium, Cr	0.5	<0.5
Copper, Cu	0.5	1.68
Iron, Fe	0.5	5,874
Potassium, K	3.0	12.3
Magnesium, Mg	1.0	1,156
Manganese, Mn	0.5	1.76
Sodium, Na	1.0	13.8
Nickel, Ni	0.5	<0.5
Lead, Pb	0.5	12.3
Antimony, Sb	1.0	<1.0
Selenium, Se	1.0	<1.0
Thallium, Tl	0.5	<0.5
Vanadium, V	0.5	<0.5
Zinc, Zn	0.5	2.72
Mercury, Hg	0.05	0.157

Method: SW-846 6010/7000 Series

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
Dichlorodifluoromethane	75-71-8	<1
Chloromethane	74-87-3	<1
Vinyl Chloride	75-01-4	<1
Bromomethane	74-83-9	<1
Chloroethane	75-00-3	<1
Trichlorofluoromethane	75-69-4	<1
Acetone	67-64-1	<1
1,1-Dichloroethene	75-35-4	<1
Vinyl Acetate	108-05-4	<1
Carbon Disulfide	75-15-0	<1
Methylene Chloride	75-09-2	<1
trans-1,2-Dichloroethene	156-60-5	<1
1,1-Dichloroethane	75-34-3	<1
2-Butanone	78-93-3	<1
2,2-Dichloropropane	594-20-7	<1
cis-1,2-Dichloroethene	156-59-2	<1
Chloroform	67-66-3	<1
Bromochloromethane	74-97-5	<1
1,1,1-Trichloroethane	71-55-6	<1
1,1-Dichloropropene	563-58-6	<1
Carbon Tetrachloride	56-23-5	<1
2-Chloroethyl vinyl ether	110-75-8	<1
1,2-Dichloroethane	107-06-2	<1
Benzene	71-43-2	<1
Trichloroethene	79-01-6	<1
1,2-Dichloropropane	78-87-5	<1
Bromodichloromethane	75-27-4	<1
4-Methyl-2-Pentanone	108-10-1	<1
Dibromomethane	74-95-3	<1
cis-1,3-Dichloropropene	10061-01-5	<1
Toluene	108-88-3	<1
trans-1,3-Dichloropropene	10061-02-6	<1
1,1,2-Trichloroethane	79-00-5	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: NA	Matrix: Liquid
Date Analyzed: 08/22/01	ELAP#: 11418

VOLATILE ORGANICS
SW-846 METHOD 8260

PARAMETER	CAS NO.	RESULTS ug/L
2-Hexanone	591-78-6	<1
1,3-Dichloropropane	142-28-9	<1
Tetrachloroethene	127-18-4	<1
Chlorodibromomethane	124-48-1	<1
1,2-Dibromoethane	106-93-4	<1
Chlorobenzene	108-90-7	<1
1,1,1,2-Tetrachloroethane	630-20-6	<1
Ethylbenzene	100-41-4	<1
m+p Xylene	108-38-3/106-42-3	<2
o-Xylene	95-47-6	<1
Styrene	100-42-5	<1
Isopropylbenzene	98-82-8	<1
Bromoform	75-25-2	<1
1,2,3-Trichloropropane	96-18-4	<1
n-Propylbenzene	103-65-1	<1
Bromobenzene	108-86-1	<1
1,3,5-Trimethylbenzene	108-67-8	<1
2-Chlorotoluene	95-49-8	<1
4-Chlorotoluene	106-43-4	<1
tert-Butylbenzene	98-06-6	<1
1,2,4-Trimethylbenzene	95-63-6	<1
sec-Butylbenzene	135-98-8	<1
4-Isopropyltoluene	99-87-6	<1
1,1,2,2-Tetrachloroethane	79-34-5	<1
1,3-Dichlorobenzene	541-73-1	<1
1,4-Dichlorobenzene	106-46-7	<1
1,2-Dichlorobenzene	95-50-1	<1
n-Butylbenzene	104-51-8	<1
1,2-Dibromo-3-chloropropane	96-12-8	<1
1,2,4-Trichlorobenzene	120-82-1	<1
Hexachlorobutadiene	87-68-3	<1
Naphthalene	91-20-3	<1
1,2,3-Trichlorobenzene	87-61-6	<1

Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
Pyridine	110-86-1	<5
N-Nitrosodimethylamine	62-75-9	<5
Aniline	62-53-3	<5
Bis(2-chloroethyl)ether	111-44-4	<5
Phenol	108-95-1	<5
2-Chlorophenol	95-57-8	<5
1,3-Dichlorobenzene	541-73-1	<5
1,4-Dichlorobenzene	106-46-7	<5
1,2-Dichlorobenzene	95-50-1	<5
Benzyl Alcohol	100-51-6	<5
Bis(2-chloroisopropyl)ether	108-60-1	<5
2-Methylphenol	95-48-7	<5
Hexachloroethane	67-72-1	<5
N-Nitrosodi-n-propylamine	621-64-7	<5
3+4-Methylphenol	108-39-4 / 106-44-5	<5
Nitrobenzene	98-95-3	<5
Isophorone	78-59-1	<5
2- Nitrophenol	88-75-5	<5
2,4-Dimethylphenol	105-67-9	<5
Benzoic Acid	65-85-0	<5
Bis(2-chloroethoxy)methane	111-91-1	<5
2,4-Dichlorophenol	102-83-2	<5
1,2,4-Trichlorobenzene	120-82-1	<5
Naphthalene	91-20-3	<5
4-Chloroaniline	106-47-8	<5
Hexachlorobutadiene	87-68-3	<5
4-Chloro-3-methylphenol	59-50-7	<5
2-Methylnaphthalene	91-57-6	<5
Hexachlorocyclopentadiene	77-47-4	<5
2,4,5-Trichlorophenol	95-95-4	<5
2,4,6-Trichlorophenol	88-06-2	<5
2-Chloronaphthalene	91-58-7	<5
2-Nitroaniline	88-74-4	<5
Acenaphthylene	208-96-8	<5
Dimethyl Phthalate	131-11-3	<5

Laboratory Director

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: 08/23/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

SEMIVOLATILE ORGANICS
SW-846 METHOD 8270

PARAMETER	CAS No.	RESULTS ug/L
2,6-Dinitrotoluene	606-20-2	<5
Acenaphthene	83-32-9	<5
3-Nitroaniline	99-09-2	<5
2,4-Dinitrophenol	51-28-5	<5
Dibenzofuran	132-64-9	<5
2,4-Dinitrotoluene	121-14-2	<5
4-Nitrophenol	100-02-7	<5
Fluorene	86-73-7	<5
4-Chlorophenyl phenyl ether	7005-72-3	<5
Azobenzene	103-33-3	<5
Diethyl Phthalate	84-66-2	<5
4-Nitroaniline	100-01-6	<5
4,6-Dinitro-2-methylphenol	534-52-1	<5
N-Nitrosodiphenylamine	86-30-6	<5
4-Bromophenyl phenyl ether	101-55-3	<5
Hexachlorobenzene	118-74-1	<5
Pentachlorophenol	87-86-5	<5
Phenanthrene	85-01-8	<5
Anthracene	120-12-7	<5
Carbazole	86-74-8	<5
Di-n-butyl Phthalate	84-74-2	<5
Fluoranthene	206-44-0	<5
Benzidine	92-87-5	<5
Pyrene	129-00-0	<5
Butyl benzyl Phthalate	85-68-7	<5
3,3′-Dichlorobenzidine	91-94-1	<5
Benzo(a)anthracene	56-55-3	<5
Chrysene	218-01-9	<5
Bis(2-ethylhexyl)Phthalate	117-81-7	<5
Di-n-octyl Phthalate	117-84-0	<5
Benzo(b)fluoranthene	205-99-2	<5
Benzo(k)fluoranthene	207-08-9	<5
Benzo(a)pyrene	50-32-8	<5
Indeno(1,2,3-c,d)pyrene	193-39-5	<5
Dibenzo(a,h)anthracene	53-70-3	<5
Benzo(g,h,i)perylene	191-24-2	<5

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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	172
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	11.4
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	1,163
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	0.465
Copper, Cu	0.030	3.61
Iron, Fe	0.030	727
Potassium, K	0.400	22.5
Magnesium, Mg	0.030	171
Manganese, Mn	0.030	7.61
Sodium, Na	0.050	110
Nickel, Ni	0.030	0.633
Lead, Pb	0.030	23.6
Antimony, Sb	0.050	<0.050
Selenium, Se	0.005	<0.005
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.897
Zinc, Zn	0.030	9.62
Mercury, Hg	0.002	0.003

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES, INC.
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Client: AKRF Inc.	Sample ID: Greenpoint Lumber Yard – Project No.: 30260-0005 (MW-5)
Date Received: 08/17/01	Laboratory ID: 0020207
Date Extracted: 08/24/01	Matrix: Liquid
Date Analyzed: 08/24/01	ELAP#: 11418

DISSOLVED METALS ANALYSIS
TARGET ANALYTE LIST

PARAMETER	REPORTING LIMIT mg/L	RESULTS mg/L
Silver, Ag	0.030	<0.030
Aluminum, Al	0.050	1.60
Arsenic, As	0.025	<0.025
Barium, Ba	0.030	<0.030
Beryllium, Be	0.030	<0.030
Calcium, Ca	0.040	313
Cadmium, Cd	0.030	<0.030
Cobalt, Co	0.050	<0.050
Chromium, Cr	0.030	<0.030
Copper, Cu	0.030	<0.030
Iron, Fe	0.030	<0.030
Potassium, K	0.400	13.3
Magnesium, Mg	0.030	55.1
Manganese, Mn	0.030	0.350
Sodium, Na	0.050	96.8
Nickel, Ni	0.030	<0.030
Lead, Pb	0.030	<0.030
Antimony, Sb	0.050	<0.050
Selenium, Se	0.025	<0.025
Thallium, Tl	0.020	<0.020
Vanadium, V	0.030	0.173
Zinc, Zn	0.030	<0.030
Mercury, Hg	0.002	<0.002

Analytical Methods:

SW-846 6010/7470 (ICP)

Laboratory Director

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NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: Mimi Sotiriou, AKRF, Inc

CONTACT: 212-340-9779, 917-612-7877

SAMPLER (SIGNATURE): Mimi Sotiriou DATE: 8/17 TIME: 5pm

SAMPLER NAME (PRINT): Mimi Sotiriou

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION: Greenpoint Lumber Yard 30260-0005

ANALYSIS REQUIRED

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260	8270	TAL METALS	Pest 8082	PCB 8081	P.O.# 30260-0005
0020196	S	G		B-3 (1-3)	X	X	X			
0020197	S			B-3 (8-10)			X			
0020198	L			MW-2			F/UF			
0020199	S			MW-3 (0-2)			X	X	X	
0020200	S			MW-3 (5-7)			F/UF			
0020201	L			MW-3			X			
0020202	S			MW-4 (0-2)			X			
0020203	S			MW-4 (13-15)			X			
0020204	L			MW-4			F/UF			
0020205	S			MW-5 (0-2)			X	X	X	
0020206	S			MW-5 (4-6)			X			
0020207	L			MW 5			F/UF			

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A=AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL

TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY 8/30/01

COMMENTS / INSTRUCTIONS: F and un-F liquid metals. Only 1 SVOC liquid MW-2

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
Mimi Sotiriou	8/17 6pm	M. Sotiriou		8/17/01	Jim C
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

Supplemental Subsurface (Phase II) Investigation Report – Greenpoint Lumber Yard, Brooklyn, New York, April 2004, prepared by AKRF, Inc.

Greenpoint Lumber Yard

BROOKLYN, NEW YORK

Supplemental Subsurface (Phase II) Investigation Report

AKRF Project Number: 30260

Prepared for:

Park Tower Realty Corp.
499 Park Avenue
New York, New York 10022

Prepared by:

AKRF, Inc.
116 East 27th Street, 7th Floor
New York, NY 10016
646-459-3500

APRIL 2004

EXECUTIVE SUMMARY

The Greenpoint Lumber Yard Site (Project Site or Site) is an approximately 20+-acre, mostly paved parcel of waterfront property in the Greenpoint neighborhood of Brooklyn, New York. The Project Site consists of Tax Block 2472, Lots 2, 32, and 100; Tax Block 2494, Lot 1; Tax Block 2502, Lot 1; Tax Block 2510, Lot 1; and Tax Block 2520, Lot 57.

AKRF, Inc. has performed three environmental studies on the Greenpoint Lumber Yard site since 2001, including a Phase I Environmental Site Assessment dated July 2001, a Phase II Subsurface Investigation dated October 2001 and a Supplemental Subsurface (Phase II) Investigation dated September 2003. The studies were conducted consistent with applicable requirements of the American Society for Testing and Materials (ASTM). The Phase I Environmental Site Assessment assessed the project site's 100-year industrial history, including use as a lumber yard and an on-site extract and chemical company. The Phase I noted that current site uses included auto parking and auto and machine repair and it identified several potential underground storage tanks on the property. To determine whether these environmental conditions had affected soil and groundwater conditions on the Greenpoint Lumber Yard site, two subsurface investigations were performed.

A total of 61 soil samples and 16 groundwater samples were collected and analyzed during the 2001 Phase II Site Investigation (19 soil and 5 groundwater) and the 2003 Supplemental Subsurface (Phase II) Investigation (42 soil and 11 groundwater samples). No widespread contamination from former site uses was detected during these studies. Site conditions were found to be generally consistent with background conditions on other urban waterfront sites containing historic urban fill.

There were only limited areas in which soil or groundwater exceeded applicable guidance or standards, all of which can be mitigated through well-established methods. Of the 61 soil samples collected, concentrations of polychlorinated biphenyls (PCBs), pesticides and/or total semivolatile organic compounds (SVOCs), particularly polynuclear aromatic hydrocarbons (PAHs), above the New York State Department of Environmental Conservation's (NYS DEC's) Technical and Administrative Guidance Manual (TAGM) 4046 Recommended Soil Cleanup Objectives (RSCOs) were detected in two soil sample locations located in the central portion of the site, between Freeman and Dupont Streets. No areas of concern were detected in the southern or northern portions of the site. At one of these locations, PCBs and pesticides were detected in a surface soil sample; however, PCBs and pesticides were not detected in soil samples collected from a deeper interval in this boring, indicating that contamination in this boring is vertically limited. At the second location, evidence of cresote, a product commonly used in wood preservation, was detected in a subsurface soil sample. Of the 61 soil samples analyzed on the Greenpoint Lumber Yard Site, this is the only location where contamination likely resulting from former site usage as a lumber yard was detected at concentrations exceeding the TAGM. Individual SVOCs and metals were detected in most soil samples at concentrations above TAGM RSCOs, but within ranges typical of urban fill material.

VOCs and SVOCs were detected in four groundwater monitoring wells at concentrations exceeding NYS DEC groundwater standards, which are intended to apply to potable water supplies only. One well, situated in the southeast portion of the site near a former gasoline pump and associated underground storage tank(s), is located in an upgradient location with respect to groundwater on the site; contamination detected in this well is likely related to a petroleum leak from the nearby former pump and tank(s). Two of the other three wells in which contamination was detected were also located in upgradient locations with respect to groundwater on the project site; it is likely that contamination in these two wells is from off-site sources. Contamination detected in the fourth well, located in the northwest portion of the site and downgradient with respect to groundwater, could be from on- or off-site sources. Based on this data, groundwater remediation is not anticipated. The types and concentrations of contaminants detected in

groundwater above NYS DEC's Class GA Standards are not indicative of contamination from former on-site uses and are not unusual for urban areas. Although remediation is not anticipated, groundwater monitoring may be required by the State in areas where spills have been reported to assure the removal of the source has led to stabilization or improvement of the limited groundwater contamination.

In accordance with NYS DEC reporting requirements, in 2001 a spill was reported to this agency for petroleum contamination in the vicinity of the boring and well located near a former gasoline pump and associated underground storage tank(s). Remediation of the spill must be coordinated with NYS DEC's spills group in accordance with petroleum-contaminated soil guidance policies provided in the agency's Division of Environmental Remediation's DRAFT DER-10, Technical Guidance for Site Investigation and Remediation (December 2002) and TAGM 4046. Following tank removal, spill remediation will likely include excavation and off-site disposal of petroleum-contaminated soil and the collection and analysis of endpoint samples and may include groundwater monitoring. The execution of an Administrative Order on Consent or Stipulation may be required by the State for the spill remediation. When NYS DEC is satisfied with the remediation, a No Further Action letter will be issued and the spill listing will be effectively closed. Based on the results of the two subsurface investigations, no other New York State regulatory agency involvement would be required.

New York City has proposed rezoning an area along the Brooklyn Waterfront that includes the Greenpoint Lumber Yard site. The rezoning action requires review under the City Environmental Quality Review (CEQR) process. It is anticipated that because of its industrial waterfront history, the individual lots that comprise the site will receive E-designations as part of the rezoning. E-designations require that, prior to redevelopment, further investigation and remediation, if required, be performed on the subject lot with approval from the New York City Department of Environmental Protection (NYC DEP). New York City Department of Buildings (NYC DOB) permits will be withheld until NYC DEP is satisfied with proposed remedial activities, if required, and certificates of occupancy will be withheld until NYC DEP is satisfied with the remediation.

On sites like the Greenpoint Lumber Yard site, where a Phase I and Phase II have already been performed, the final reports for these studies can be submitted to NYC DEP for review and approval. It is likely that NYC DEP will require further investigation to confirm the findings of the two subsurface investigations. It is anticipated that remediation, which would likely consist of tank and hot spot removal and capping, could take place during general excavation for the proposed project. NYC DEP will likely require the removal of the two hotspots identified by the subsurface investigations and the underground storage tanks (USTs) suspected in the Phase I ESA. Reports documenting these activities would be prepared and submitted to both the NYC DEP and the NYS DEC Spills Group. These remedial actions could satisfy DEP, but it is possible that capping of the entire Greenpoint Lumber Yard site with either paved surfaces and/or building foundations or two feet of imported clean fill material in landscaped areas would be required to eliminate the exposure pathways of ingestion and/or inhalation of contaminants in fill material that may remain in the ground after the project is complete.

Construction for the proposed project will be performed under the provisions of a Construction Health and Safety Plan, which will be required by NYC DEP. The Construction Health and Safety Plan (CHASP) will be tailored specifically to the proposed development on the Greenpoint Lumber Yard site and will establish practices and procedures to protect the health of construction personnel and others during implementation of work involving potential or known contamination on the site.

During general excavation for the site, it is anticipated that most soil on the site could be disposed of as construction and demolition debris. Areas of contamination may require disposal as petroleum-contaminated or non-hazardous contaminated material. Based on sampling results from the two subsurface investigations, none of the soil tested to date would require disposal as a hazardous waste.

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2001 Phase II Site Investigation

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1.0 INTRODUCTION

This report presents the findings of a Supplemental Subsurface (Phase II) Investigation performed on the Greenpoint Lumber Yard Site in Brooklyn, New York in July 2003. The investigation included the advancement and sampling of 21 soil borings to groundwater and the completion, development and sampling of 11 groundwater monitoring wells. Supplementing the findings of the Subsurface (Phase II) Investigation performed on the Site by AKRF, Inc. in October 2001, the purpose of this investigation was to further characterize soil and groundwater conditions on the Greenpoint Lumber Yard Site. The Sample Analysis and Results and Conclusions sections of this report summarize data from both investigations.

2.0 PROJECT SITE DESCRIPTION

The Greenpoint Lumber Yard Site (Project Site or Site) is an approximately 20+-acre, mostly paved parcel of waterfront property in the Greenpoint neighborhood of Brooklyn, New York. The Project Site consists of Tax Block 2472, Lots 2, 32, and 100; Tax Block 2494, Lot 1; Tax Block 2502, Lot 1; Tax Block 2510, Lot 1; and Tax Block 2520, Lot 57. The subject blocks are generally bounded to the north by Newtown Creek; to the east by portions of Commercial, Franklin and West Streets; to the south by Huron Street; and to the west by the East River. Please see Figure 1 for Project Site Location.

The Project Site currently contains the following structures: a two-story brick and concrete office, a small brick guard shed and a large corrugated metal garage near the intersection of Green and West Streets; and a second brick guard shack, which has been converted for auto repair, at the intersection of Dupont and Franklin Streets. The remainder of the property consists of open areas that are used primarily for contractors' materials storage.

The surface topography on the Project Site generally slopes downward to the north, toward Newtown Creek and to the west, toward the East River. Based on reports compiled by the U.S. Geological Survey, the surface elevation of the Site is approximately five to fifteen feet (National Geodetic Vertical Datum of 1929), depending on the area of the Site. Groundwater is located approximately six to fifteen feet below the surface of the Site. Groundwater predominantly flows in a westerly direction towards the East River and in a northerly direction towards Newtown Creek.

3.0 PREVIOUS STUDIES

A Phase I Environmental Site Assessment was performed on the Greenpoint Lumber Yard Site in July 10, 2001 and a Phase II Subsurface Investigation was performed in October 2001. Both studies were performed by AKRF, Inc. The findings of these investigations are summarized below.

3.1 PHASE I ENVIRONMENTAL SITE ASSESSMENT (JULY 2, 2001)

A Phase I Environmental Site Assessment was performed by AKRF, Inc. in July 2001 on the Project Site. An Addendum to the Phase I Environmental Site Assessment was issued by AKRF, Inc. on July 17, 2001. The Phase I Assessment met the requirements of the American Society for Testing and Materials (ASTM), as established by ASTM Standard E 1527-00, and included a site inspection, a review of historical fire insurance (Sanborn) maps and a review of federal, state and local regulatory databases. The Phase I identified the Site to have had over a 100-year history primarily as a lumber yard. Other historical non-lumber-related uses included:

- New York Dye - Wood Extract and Chemical Company ca. 1887 through ca. 1905 (Tax Block 2520, Lot 57 and Tax Block 2510);
- New York Quebracho Extract Company ca. 1916 (Tax Block 2520, Lot 57 and Tax Block 2510);

- A.K. Meserole & Company, a mason material and coal storage yard) ca. 1916 (Tax Block 2502);
- C. Winant's Spar Company ca. 1916 (Tax Block 2502);
- Export Auto Case Company ca. 1916 (Tax Block 2502);
- O'Rouke Engineering and Construction Company ca. 1905 (Tax Block 2472, Lot 100);
- New York State Barge Canal Terminal and Alberene Stone Company Tub Storage ca. 1916 (Tax Block 2472, Lot 100);
- Greenpoint Coal Docks, Inc. ca. 1942 through ca. 1951 (Tax Block 2472, Lot 100).

Potential environmental concerns identified for the property included potential former Site usage for pressure-treating lumber, an on-Site former extract and chemical company, current auto parking and auto and machine repair, and several potential underground storage tanks. Lumber yards often used creosote (a coal tar derivative, which contains elevated levels of polycyclic aromatic hydrocarbons [PAHs] and phenols) as a wood preservative. Substances used by the chemical and extract companies could have impacted subsurface soil and/or groundwater with any number of contaminants. Additionally, aboveground and potential underground storage tanks were noted in the Phase I report and portions of the property are currently used for auto repair. In the areas of known or potential tanks, subsurface petroleum and/or PCB contamination could be present. Solvent contamination could be present in areas used for auto repair. The Phase I Environmental Site Assessment Report recommended that a subsurface (Phase II) investigation be performed on the Site.

3.2 PHASE II SITE INVESTIGATION (OCTOBER 2, 2001)

A Subsurface (Phase II) Investigation, consisting of the advancement and sampling of ten soil borings and the sampling of groundwater at five of the locations, was performed in August 2001 and was summarized in a report dated October 2, 2001. The Phase II Report identified petroleum contamination in soil and groundwater in the vicinity of an active gasoline pump on Block 2520 and low levels of PAHs (a subset of semi-volatile organic compounds [SVOCs]) and heavy metals in soil and groundwater throughout the Site. The levels of PAHs and heavy metals that were detected are typical of those found in fill material in urban areas and appear likely to be related to coal ash. The results of this investigation are discussed in more detail in the Sample Analysis and Results and Conclusions sections of this report.

4.0 SOIL BORINGS AND GROUNDWATER MONITORING WELLS

As part of the Supplemental Subsurface (Phase II) Investigation, twenty-one soil boring were advanced to groundwater and sampled on the Greenpoint Lumber Yard Site on June 25 and 26, 2003. Eleven permanent groundwater monitoring wells were completed and developed on June 30 and July 1 and 2, 2003. The eleven groundwater monitoring wells and one additional well that was discovered on Block 2472 were sampled on July 14 and 15, 2003. AKRF's field crew consisted of Mimi Sotiriou and Julie Foley. Aquifer Drilling and Testing advanced the soil borings and installed the permanent groundwater monitoring wells.

4.1 SAMPLE LOCATION RATIONALE

The twenty-one boring and well locations, along with the ten boring and well locations from the October 2001 Phase II Site Investigation, were selected to evenly characterize soil and groundwater across the Site. Certain borings and wells, however, were biased towards the location of the former chemical and extract companies, known and potential storage tanks, and

areas where lumber storage and possible treatment occurred. Please see the chart below for Sample Location Rationale. Certain monitoring well locations were selected in both upgradient and downgradient locations to determine whether there was any impact on groundwater from on- or off-Site contaminants. Please see Figure 2 for the Boring and Monitoring Well locations.

SAMPLE LOCATION RATIONALE				
BLOCK/LOT	**HISTORICAL TENANT**	**CURRENT USE**	**POTENTIAL CURRENT OR FORMER TANKS**	**SAMPLE LOCATIONS**
Block 2520, Lot 57	New York Dye – Wood Extract and Chemical Company, lumber yard	Auto parking, auto repair, contractors' materials storage	Gasoline, fuel oil, hydraulic oil and motor oil	B6, MW1 and MW6,
Block 2510	New York Dye – Wood Extract and Chemical Company, lumber yard	Contractors' materials storage, auto parking		B1, B2, B7, MW7 and MW8
Block 2502	A.K. Meserole & Company (a mason materials and coal storage yard), Export Auto Case Company, C. Winant's Spar Company, lumber yard	Contractors' materials storage, auto parking	Fuel oil	B3, B8, B9, B10, B11, MW2 and MW9
Block 2494	Lumber yard	Auto repair, auto parking, auto auction	Storage tank (unknown contents)	MW4 and MW11
Block 2472, Lot 32	Lumber Yard	Contractors' materials storage, auto parking		B4, B12, B13 MW3, MW10, MW12, MW12A
Block 2472, Lot 100	O'Rouke Engineering and Construction Company, NYS Barge Canal Terminal, Alberene Stone Company Tub Storage, Greenpoint Coal Docks, lumber yard	Contractors' materials storage, auto parking	Fuel oil	B5, B14, B15, MW5, MW11, MW13A, MW14, MW15, MW15A, MW16

4.2 SOIL SAMPLING METHODOLOGY

At each of the 21 sampling locations, a Geoprobe rig was used to drive a sampling probe into the soil. Soil samples were collected by driving the probe with a five-foot teflon liner into the soil at five-foot intervals until groundwater was reached. Soil was screened for organic vapors in the teflon liner at one foot intervals using a photoionization detector (PID). Soil samples were classified using a modified Burmister Classification System by AKRF field personnel. Please see Appendix A for Boring Logs.

Two soil samples were collected from each boring location based on field observations. If no field contamination (staining, odors or PID readings above background) was apparent, a sample from the two-foot interval immediately beneath the original ground surface (excluding any overlying asphalt or concrete) and a sample from the groundwater interface were collected. If evidence of contamination was noted in any interval, one or both of the samples were collected from the interval(s) exhibiting contamination. Soil samples were transferred from the Teflon liner to sample jars using dedicated and disposable sterile plastic sampling spoons.

The soil samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to American Analytical Laboratories, Inc. in Farmingdale, New York, a NYSDOH-ELAP laboratory (No. 11418). Soil samples were analyzed for volatile organic compounds (VOCs) (EPA Method 8260), semivolatile

organic compounds (SVOCs) (EPA Methods 8270), polychlorinated biphenyls (PCBs) (EPA Method 8081), pesticides (EPA Method 8082) and target analyte list (TAL) metals (EPA Method 6010). If not enough sample material was available to analyze for all parameters, sample analysis was selected based on field observation. Category A Deliverables were requested for this data set.

Refusal was encountered at two locations (B7 R1 and B7 R2) near B7 and at one location (MW9 R1) near MW9. B7 was successfully completed to groundwater on the third attempt and MW9 was also successfully completed on the second attempt. One sample was collected from B7 R2 (5.5-6.0) and was analyzed for full span parameters. A second sample was collected from B7 (9.5-10.0). Only enough sample material was recovered from this interval to analyze this sample for volatile organic compounds.

After groundwater was encountered in the 21 boring locations, the borings were backfilled with soil cuttings and plugged with asphalt. Any cuttings that were not replaced into the borings were drummed for off-Site disposal.

4.3 GROUNDWATER SAMPLING METHODOLOGY

Groundwater monitoring wells were completed at 11 of the boring locations using the hollow-stem auger rig. The monitoring wells were advanced using a 4¼-inch hollow-stem augers and consisted of two-inch internal diameter PVC casing. A ten-foot slotted PVC screen was installed in the approximate top six feet of groundwater. A sand filter pack was placed in the annular space around the screen and extended to approximately two feet above the screen. The annular space around the well casing was sealed with bentonite for an interval of approximately two feet. A grout, consisting of a cement and bentonite mixture or an anti-shrink mixture, extended from the bentonite seal to a level of approximately two feet below ground level. The remaining annular space was sealed with a concrete cap and well apron (expanding cement). A locking well cap and a flush-mounted well cover was installed upon completion of the well. Drill cuttings were drummed for off-Site disposal. Please see Appendix A for Well Construction Logs.

Groundwater monitoring wells were successfully completed at 9 of the 11 boring locations. Refusal was encountered during well installation two times at approximately 4 and 10 feet below grade in the vicinity of boring MW12. Due to spatial confines (the adjacent park and the bulkhead), the location of the corresponding well (MW12A) was relocated approximately 100 feet south of the boring MW12. The well was successfully completed at this location. AKRF personnel could not install a monitoring well in the location of boring MW15 because the location was covered with unmovable objects. Therefore, the well location was moved approximately 10 feet south of the boring location and the well was labeled MW15A.

The wells were developed on the day they were drilled or on the day after they were drilled by pumping. The wells were pumped using a submersible whale pump and dedicated Teflon tubing for each well. Turbidity was measured using a nephelometer and temperature, conductivity, dissolved oxygen and oxygen/reduction potential were measured using the Quanta G water quality meter. The pH probe on the Quanta G was broken and no pH readings were collected during well development. Water quality parameter readings were recorded approximately every five minutes during development. The wells were developed until the water quality parameters stabilized within 10%, or until the turbidity reading was less than 50 Nephelometric Turbidity Units (NTU) or less. If the water quality parameters did not stabilize and the turbidity reading was not less than 50 NTU, but at least three well volumes were evacuated from the well and it ran dry four times, then the well was considered developed. Development water was drummed for off-Site disposal. Please see Appendix B for Well Development Logs.

All wells except for MW13 were developed successfully. The plug in the bottom of the PVC well screen in MW13 was not secured and fell out between well installation and development. Soil filled the interior of the well screen to a depth of approximately 7 feet below grade. MW13 well was over-drilled, reconstructed and developed successfully. The new well was called MW13A.

In accordance with EPA protocol, the wells were not sampled for at least seven days after development. Prior to sampling, an electronic interface meter was used to measure water levels. Well purging and sample collection was accomplished using low flow techniques. The wells were purged using a Geotech Geopump 2 at a purge rate no greater than 3.8 liters per minute. A Solinist groundwater level meter with an alarm was placed approximately 2 inches below the groundwater table to ensure no drawdown occurred during well purging. Turbidity was measured using a nephelometer and temperature, conductivity, dissolved oxygen and oxygen/reduction potential were measured using the Quanta G water quality meter. During this stage, pH readings were collected using an Oakton pHTestr sampling probe. Water quality parameter readings were recorded approximately every five minutes during well purging.

Wells were purged until sample parameters stabilized within 10%, until the turbidity reading was 10 NTU or less, or until at least five well volumes were purged. Purge water was drummed for disposal. All eleven wells, plus an additional well that was discovered on Block 2472, were successfully purged.

Groundwater samples were collected using the Geotech Geopump 2 at a sample rate no greater than 500 milliliters/minute. The Solinist groundwater level meter was used to ensure that drawdown did not occur during sampling. The groundwater samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to the laboratory. Groundwater samples were analyzed for VOCs (EPA Method 8260), SVOCs (EPA Method 8270), PCBs (EPA Method 8081), pesticides (EPA Method 8082) and TAL metals (both filtered and unfiltered samples). Sufficient sample material was collected from all wells, including the found well, to analyze for all parameters. Please see Appendix B for Well Sampling Logs.

4.4 QA/QC

4.4.1 Decontamination

Sampling equipment was dedicated or disposed of after use to avoid contamination and cross-contamination of samples.

4.4.2 Chain of Custody

To ensure the integrity of samples taken, a strict chain-of-custody record was maintained on each sample. This began during sampling with the entry in the sampler's field log of the sampling details:

a) Date and time of sampling;

b) Sample location (as specific as possible);

c) The unique sample number;

d) Sample description;

e) Weather conditions (if applicable); and

f) Any additional comments.

The chain-of-custody form was kept as a record of the sample's progress from the field to the laboratory where it was analyzed. The form included:

a) The sample number;

b) The sampler's name;

c) Date of sampling;

d) Location where the sample was taken;

e) Signatures of people involved in the chain of possession; and

f) Inclusive dates of possession of each person in the chain.

The chain-of-custody form accompanied the samples throughout the trip to the laboratory.

Included in the chain-of-custody record was a request to the laboratory for sample receipt and analysis information, including:

a) Name of person receiving the sample;

b) Laboratory sample number;

c) Date of sample receipt;

d) Sample allocation; and

e) Analyses to be performed.

Upon arrival of samples at the laboratory, the sample custodian entered pertinent information for each sample in the laboratory's sample log book. The chain-of-custody is kept on file at the laboratory.

4.4.3 Laboratory Testing

American Analytical, Inc. performed all analytical work for the Supplemental Subsurface (Phase II) Investigation. American Analytical, Inc.'s office in Farmingdale, New York is ELAP-certified (NYS DOH Certificate No. 11418) by the New York State Department of Health (NYSDOH). The laboratory operates a Quality Assurance/Quality Control (QA/QC) program that consisted of proper laboratory practices (including the required chain-of-custody), an internal quality control program, and external quality control audits by New York State. Category A deliverables were produced for soil and groundwater sampling results for this project.

A trip blank and field blank were included in each batch of twenty samples collected. A total of three trip blanks and three field blanks were included with the soil samples. One trip blank and one field blank were included with the groundwater samples. Trip blanks were analyzed for TCL VOCs to check for contamination during transport and sampling procedures. The field blanks that accompanied soil and groundwater samples to the laboratory were analyzed for VOCs, SVOCs, PCBs, pesticides and TAL metals to check for contamination arising from sample collection. No duplicate or blind duplicate samples were collected.

Because it falls right on the border between volatile and semivolatile organic compounds, naphthalene was included in the parameter lists analyzed by EPA Methods 8260 and 8270, respectively.

5.0 SAMPLE ANALYSIS AND RESULTS

This Sample Analysis and Results section presents data collected during both the October 2001 Phase II Site Investigation and the 2003 Supplemental Subsurface (Phase II) Investigation. A total of 19 soil samples were collected from 10 borings (B1 through B5 and MW1 through MW5) and a total of 5 groundwater samples were collected from 5 temporary well points (MW1 through MW5) during the 2001 Phase II Site Investigation. A total of 42 soil samples were collected from 21 boring locations (B6 through B15 and MW6 through MW16) and a total of 11 groundwater samples were collected from 11 permanent groundwater monitoring wells (MW6 through MW16) during the 2003 Supplemental Subsurface (Phase II) Investigation.

The analytical data from the Supplemental Subsurface (Phase II) Investigation is summarized in Tables 1 through 10 in the Tables section of this report. The analytical data from the October 2001 Phase II Investigation in summarized in Tables 11 through 19 in the Tables Section of this report. Complete Category A deliverables for the Supplemental Subsurface (Phase II) Investigation are included in Appendix C. Laboratory deliverables for the October 2001 Investigation are included in Appendix B of the Phase II Site Investigation Report.

Soil samples are designated by the boring location and depth below grade. For example, MW13 (5'-7') is from boring location MW13 at a depth between 5 feet and 7 feet below grade. Soil analysis data was evaluated relative to the Recommended Soil Clean-up Objective (RSCO) values in the NYSDEC Division of Hazardous Waste Remediation document Technical Administrative Guidance Memorandum (TAGM) 4046, issued in 1994. Metals analysis in soil was additionally compared to the Eastern United States background range for metals listed in TAGM 4046 and to the U.S. EPA Soil Screen Levels (risk-based levels) for ingestion. Groundwater data was evaluated relative to the Class GA Standards and Guidelines Values contained in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Handling, Guidance Values and Groundwater Effluent Limitations. GA Standards are intended for potable water supplies, but are applied to all groundwater in the State. Groundwater is not used as a potable source in Brooklyn.

5.1 FIELD CONDITIONS

At each of the 31 total boring locations (10 borings during the 2001 Investigation and 21 borings during the 2003 Investigation), borings were advanced to between 3 feet and 20 feet below grade. Groundwater was encountered between approximately 5.25 feet and 15.0 feet below grade. The overburden was generally characterized by fill composed of brown to black coarse to fine sand with varying amounts of gravel and silt. Wood fragments, coal, ash, slag and brick were noted in many borings. Much of the overburden across the Site was dark gray to black in color. Sample analytical results did not indicate widespread chemical contamination across the Site; thus, the dark soil color is more likely attributable to high coal content than to chemical staining. Significant PID readings (above 10 parts per million [ppm]) were noted in B1 (1'-2') at 58.8 ppm; B13 (0.5'-1') at 47 ppm; MW1 at 1,888 ppm; MW2 (5'-7') at 14.7 ppm; and MW7 (10'-11') at 73.1 ppm. Organic-, petroleum- and solvent-like odors were noted in several borings. Please see boring logs for a complete delineation of PID readings and odors noted in borings. Logs from the October 2001 investigation are included in Appendix A of the Phase II Site Investigation Report. Logs from the Supplemental Subsurface (Phase II) Investigation are included in Appendix A of this report.

Borings and wells from the October 2001 Investigation were analyzed for VOCs, SVOCs and TAL Metals. Only 4 of the 19 soil samples [B2 (0'-1'), B5 (2'-4'), MW3 (0'-2') and MW5 (0'-2')] from that investigation were analyzed for PCBs and pesticides. During the Supplemental Subsurface (Phase II) Site Investigation, enough sample material was recovered from all boring

intervals to analyze for all parameters (VOCs, SVOCs, PCBs, pesticides, and TAL metals), except for B7 (9.5-10.0). Only enough sample material was recovered to analyze this sample for volatile organic compounds.

A slight sheen was noted in purge water from MW6 and MW7. An organic odor was noted in purge water from MW12 and MW14. A slight petroleum-like odor was noted in purge water from MW13. Red rust flakes were noted in purge water from the Found Well. During the Supplemental Subsurface (Phase II) Site Investigation, sufficient groundwater volume was recovered at each location to analyze for all parameters (VOCs, SVOCs, PCBs, pesticides, and TAL metals [filtered and unfiltered]).

5.2 SOIL

A total of 61 soil samples were collected during the October 2001 Phase II Site Investigation (19 samples) and the 2003 Supplemental Subsurface (Phase II) Investigation (42 samples). Two soil samples were collected from each boring location based on field observations, except for B2, where only one sample was collected. If no field contamination (staining, odors or PID readings above background) was observed, a sample from the two-foot interval immediately beneath the original ground surface (excluding any overlying asphalt or concrete) and a sample from the groundwater interface were collected. If evidence of contamination was noted in any interval, one or both of the samples was collected from the interval(s) exhibiting contamination. The following subsections discuss the results of both subsurface investigations.

5.2.1 Volatile Organic Compounds

A summary of laboratory analysis of VOCs in soil samples is included in Table 1 for the Supplemental Subsurface (Phase II) Investigation and Table 11 for the October 2001 Phase II Site Investigation. Benzene, chloroform, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-isopropyltoluene, napthtalene, o-xylene, p-diethylbenzene, p-ethyltoluene, trichloroethene and acetone were detected in soil samples. None of the detected concentrations of volatile organic compounds were detected above the TAGM 4046 RSCO, except for acetone in two soil samples: B1(1’-2’) [detected at a concentration of 290 ppb] and MW1 (5’-6’) [detected at a concentration of 780 ppb]. The RSCO for acetone is 50 ppb. Acetone, which is a common field and laboratory artifact, was not detected in the field or method blanks.

5.2.2 Semivolatile Organic Compounds

A summary of laboratory analysis of SVOCs in soil samples is included in Table 2 for the Supplemental Subsurface (Phase II) Investigation and Table 12 for the October 2001 Phase II Site Investigation. Several polycyclic aromatic hydrocarbons (PAHs) were detected at concentrations above their respective TAGM 4046 RSCOs in most soil samples, including benzo(a)anthracene, benzo(a)pyrene, chrysene and dibenzo(a,h)anthracene. The detected PAHs listed above are considered carcinogenic and, therefore, have very low TAGM RSCOs, which are almost always exceeded in urban fill material containing coal, coal ash, asphalt and combustion byproducts deposited from the air.

Other carcinogenic PAHs with slightly higher TAGM RSCOs were detected above their respective RSCOs in some soil samples, including benzo(b)fluoranthene, benzo(k)fluoranthene, and ideno(1,2,3-c,d)pyrene. The detected levels of these PAHs are often associated with coal and coal ash.

The detected concentrations of total SVOCs were below 500 ppm, the TAGM RSCO, in all soil samples analyzed, except for B10 (5'-7'), where the total detected concentration was 4,691 ppm. Total detected concentrations of SVOCs were above 400 ppm in two other sample locations: B11 (1'-3') and MW4 (0'-2'). The total detected concentrations in these two samples were 419 ppm and 472 ppm, respectively. A total concentration of SVOCs above 200 ppm was detected in one soil sample: B8 (8'-10') with a total concentration of 235 ppm. A total concentration above 100 ppm was detected in three soil samples: MW7 (6.5-7.5) with a total concentration of 114 ppm; MW3 (5'-7') with a total concentration of 176 ppm; and MW5 (4'-6') with a total concentration of 111 ppm. Total concentrations of SVOCs were detected below 100 ppm in the remainder of other soil samples.

In the soil samples B10 (5'-7'), B11 (1'-3') and MW4 (0'-2'), in addition to the more prevalent TAGM SVOC exceedances discussed above, lighter PAHs, such as naphthalene and 2-methylnaphthalene were detected. Lighter PAHs are often found in used oil and/or coal tar and coal tar derivatives, such as creosote, which was historically and is currently used as a lumber preservative.

3+4-methylphenol, 2,4-dimethylphenol were also detected in B10 (5'-7'). These compounds, phenols, are commonly detected in coal tar and/or coal tar derivatives, but not in waste oil. Additionally, PID readings of up to 1.2 ppm above background and a slight petroleum-like odor were described in the soil boring log for the interval B10 (5'-7). No wood fragments were described in the logs for B10. Because of the very elevated concentrations of SVOCs and the presence of phenols and naphthalene, the SVOC detected in B10 (5'-7') are more likely attributable to coal tar derivatives than to petroleum.

PID readings of up to 3.5 ppm and a slight petroleum-like odor were noted in soil boring logs for B11 (1'-3'). PID readings of up to 3.0 ppm were noted in MW4 (0'-2'). Because no phenols were detected in these samples, the SVOCs detected in B11 (1'-3') and MW4 (0'-2') are more likely attributed to waste oil than to coal tar derivatives.

5.2.3 Polychlorinated Biphenyls

A summary of laboratory analysis of PCBs in soil samples is included in Table 3 for the Supplemental Subsurface (Phase II) Investigation and Table 13 for the October 2001 Phase II Site Investigation. PCBs were detected at total concentrations ranging from 40 ppb to 1,280 ppb in several soil samples. The detected total concentration of 1,280 ppb in B12 (0.5'-2') slightly exceeds the TAGM RSCO of 1,000 ppb total for surface samples. No other soil samples exceeded the TAGM RSCO for PCBs.

5.2.4 Pesticides

A summary of laboratory analysis of pesticides in soil samples is included in Table 4 for the Supplemental Subsurface (Phase II) Investigation and Table 14 for the October 2001 Phase II Site Investigation. 4,4'-DDD; 4,4'-DDE; 4,4'-DDT and endrin were detected above their respective TAGM RSCOs in soil sample B12 (0.5'-2'). No other pesticides were detected above their TAGM RSCOs in any other soil samples.

5.2.5 Target Analyte List Metals

A summary of laboratory analysis of target analyte list metals in soil samples is included in Table 5 for the Supplemental Subsurface (Phase II) Investigation and Table 15 for the October 2001 Phase II Site Investigation. Eleven metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, mercury, nickel and zinc) were detected above TAGM 4046 RSCOs in soil samples. TAGM RSCOs for metals are based on background concentrations in naturally occurring, native soil. All of the detected metals that exceeded RSCOs also exceeded the upper limit of their respective Eastern U.S. and New York State Background ranges. Neither the TAGM RSCOs nor the Eastern U.S. or New York State Background ranges are risk-based cleanup levels. When compared with US EPA Generic Soil Screening Levels (SSLs, health-based levels), the detected levels of metals in soil, with the exception of arsenic, beryllium, cadmium and lead, are below levels that would be expected to pose a hazard to human health even if routine exposure were to occur.

The RSCOs also allow for the use of site background as alternative criteria. Although no site background concentrations were established for the Site, the similarity of metals concentrations among the soil samples suggests that the soils may represent Site background and do not suggest any contaminated area of the Site. Further, no single sample contained concentrations of metals orders of magnitude above RSCOs.

Although there is not an RSCO for lead, the average background levels in metropolitan and suburban areas or near highways typically range from 200 to 500 ppm. The detected concentration of lead in soil samples B8 (0.5’-2’), B11 (1’-3), B12 (0.5’-2’), B14(2’-3.5’) and MW11 (0.5’-2’) exceeded the upper limit of the average background level in metropolitan areas. The highest concentration of lead detected in these samples was 2,040 in sample B8 (0.5’-2’).

5.3 GROUNDWATER

A total of 16 groundwater samples were collected during the 2001 Phase II Site Investigation (5 samples) and the 2003 Supplemental Subsurface (Phase II) Investigation (11 samples). During the Supplemental Subsurface (Phase II) Investigation, samples were collected from approximately the upper foot of the static water column in each well using low-flow sampling techniques. Well Development and Sampling Logs for the Supplemental Subsurface (Phase II) Investigation are included in Appendix C. The following subsections discuss the results of both subsurface investigations.

5.3.1 Volatile Organic Compounds

A summary of laboratory analysis of VOCs in groundwater samples is included in Table 6 for the Supplemental Subsurface (Phase II) Investigation and Table 16 for the October 2001 Phase II Site Investigation. In MW7, 4-Isopropyltoluene and benzene were detected at concentrations of 7.2 ppb and 2 ppb, respectively, above the Class GA Standards of 5 ppb and 0.7 ppb, respectively. In MW13A, 4-isopropyltoluene, benzene, 1,2,4-trimethylbenzene, ethylbenzene, M+P xylene, naphthalene, o-xylene, styrene, and toluene were detected at concentrations above their respective Class GA Standards. These detected compounds in MW7 and MW13A are common gasoline constituents.

In MW11, tetrachloroethylene was detected at a concentration of 5.6 ppb, above the Class GA Standard of 5.0 ppb. This compound is a common solvent used in dry cleaning.

Isopropylbenzene, m+p xylene, methyl tert-butyl ether (MTBE), n-propylbenzene, o-xylene, p-diethylbenzene and toluene were detected below Class GA Standards in various groundwater samples. No other volatile organic compounds were detected in any other groundwater samples, in the trip blank or in the field blank.

5.3.2 Semivolatile Organic Compounds

A summary of laboratory analysis of SVOCs in groundwater samples is included in Table 7 for the Supplemental Subsurface (Phase II) Investigation and Table 17 for the October 2001 Phase II Site Investigation. In MW7, Phenol was detected at a concentration of 7.4 ppb, above the Class GA Groundwater Standard of 1 ppb. In MW1 and MW13A, naphthalene was detected at concentration of 18 ppb and 630 ppb, respectively, above the Class GA Groundwater Guidance Value (no Standard exists) of 10 ppb.

Benzoic acid, carbazole, dibenzofuran, fluorine, naphthalene, phenanthrene, 2-methylnaphthalene, acenaphthene, acenaphthylene and anthracene were detected at concentrations ranging from 5.6 ppb to 68 ppb in various groundwater samples. None of the detected levels of these compounds exceeded the Class GA Groundwater Standard.

No other SVOCs were detected in any other groundwater sample, in the trip blank or in the field blank.

5.3.3 Pesticides

A summary of laboratory analysis of pesticides in soil samples is included in Table 8 for the Supplemental Subsurface (Phase II) Investigation. No groundwater samples from the October 2001 Phase II Site Investigation were analyzed for pesticides. No pesticides were detected in any groundwater samples.

5.3.4 Polychlorinated Biphenyls

A summary of laboratory analysis of PCBs in soil samples is included in Table 9 for the Supplemental Subsurface (Phase II) Investigation. No groundwater samples from the October 2001 Phase II Site Investigation were analyzed for PCBs. No PCBs were detected in any groundwater samples.

5.3.5 Target Analyte List Metals

A summary of laboratory analysis of target analyte list metals in groundwater samples (both filtered and unfiltered) is included in Table 10 for the Supplemental Subsurface (Phase II) Investigation and Tables 18 and 19 for the October 2001 Phase II Site Investigation. The temporary groundwater well points were not purged prior to sampling during the October 2001 Phase II Site Investigation. Therefore, laboratory filtered sample results are likely more characteristic of true groundwater conditions in these wells. Antimony, iron, manganese, magnesium and sodium were detected in concentrations above the Class GA Groundwater Standards in most filtered and unfiltered water samples. These five elements are earth minerals commonly found in groundwater.

Additionally, thallium was detected at a concentration of 0.0190 ppm in MW7, above the Class GA Guidance Value (no Standard exists) of 0.004 ppm. No other metals were detected above the Class GA Groundwater Standards in any of the groundwater samples.

6.0 GROUNDWATER ELEVATIONS

A survey was performed as part of the Supplemental Subsurface (Phase II) Investigation to determine the geographic locations and elevations of the 10 boring locations, the 3 refusal locations, the 11 groundwater monitoring wells, and the found well. The survey was conducted by Lockwood, Kessler & Bartlett, Inc., a licensed surveyor in the state of New York (License No. 049496), on July 12 and 28, 2003. The well locations and elevations were measured at the top of the well cover (top of manhole) and at the top of the well casing (top of casing). Figure 2 shows the surveyed locations and elevations of the wells.

The depth to water from the top of the manhole was measured and recorded to calculate the elevation of the groundwater table for each well. Figure 3 shows groundwater table elevations for each well (calculated from top of manhole). The elevations shown on the table and figure are relative to the Brooklyn Borough Datum (BBD), which is 1.177 feet above mean sea level (National Geodetic Vertical Datum 1929). The water table elevations varied from el. -0.18 BBD in MW6 to el. 2.6 BBD in MW11. An assessment was performed of the relative groundwater table elevations on the Greenpoint Lumber Yard Site to determine the groundwater flow direction. Groundwater predominantly flows in a westerly direction towards the East River and in a northerly direction towards Newtown Creek.

7.0 CONCLUSIONS

A total of 61 soil samples and 16 groundwater samples were collected during the 2001 Phase II Site Investigation (19 soil and 5 groundwater) and the 2003 Supplemental Subsurface (Phase II) Investigation (42 soil and 11 groundwater samples). The following conclusions can be made:

7.1 SOIL

No widespread contamination of soil was detected by these investigations on the Greenpoint Lumber Yard site. Other than exceedances of the TAGM RSCOs for individual SVOCs and metals with ranges typical of urban fill material, concentrations of contaminants were detected above their TAGM RSCOs in only two soil samples:

- B10 (5’-7’) – A total SVOC concentration of 4,691 ppm was detected in B10 (5’-7’). Due to the presence of lighter PAHs and phenols in this sample, the detected concentrations and compounds are typical of contamination by coal tar derivatives.
- B12 (0.5’-2’) - PCBs were detected in B12 (0.5’-2’) at a concentration of 1,280 ppb, above the TAGM RSCO of 1,000 ppm for surface samples. Four pesticides (4,4’-DDD; 4,4’-DDE; 4,4’-DDT and endrin) were detected in the same sample above their respective TAGM RSCOs.

Concentrations of total SVOCs were detected at levels approaching the TAGM RSCO of 500 ppm in two other borings: 419 ppm in B11 (1’-3’) and 472 ppm in MW4(0’-2’). Due to the presence of lighter PAHs in these samples, the detected concentrations and compounds are typical of waste oil contamination. Evidence of waste oil contamination was not detected in soil collected from deeper intervals in these samples or in groundwater collected from MW4, indicating that the petroleum contamination is likely vertically limited in both borings.

Metals were detected in concentrations typical of urban fill material in soil samples. Lead was detected above the upper limit of the average background level in metropolitan areas of 500 ppm in four soil samples: B8 (0.5’-2’), B11 (1’-3), B12 (0.5’-2’), B14 (2’-3.5’) and MW11 (0.5’-2’). The highest concentration of lead detected in these samples was 2,040 in sample B8 (0.5’-2’). Because no identified current or historical source of lead was identified in the Phase I Environmental Site Assessment, it is possible that these elevated lead values are attributable to

normal distribution in fill material, rather than to lead contamination. No volatile organic compounds were detected above TAGM RSCOs in any soil samples.

7.2 GROUNDWATER

No widespread contamination of groundwater was detected by these investigations, however, four localized areas of concern were identified:

- MW1 – One SVOC, naphthalene, was detected at a concentration of 18 ppb in MW1, above the Class GA Standard of 10 ppb. MW1 is located near a former gasoline pump and in an upgradient location on the Site. It is likely that the presence of naphthalene in the groundwater is due to leaking gasoline tanks associated with the pump.
- MW7 – Two VOCs, 4-Isopropyltoluene and benzene, were detected at concentrations of 7.2 ppb and 2 ppb, respectively, above the Class GA Standards of 5 ppb and 0.7 ppb, respectively. These detected compounds are common gasoline constituents. Additionally, one SVOC, phenol, was detected at a concentration of 7.4 ppb, above the Class GA Groundwater Standard of 1 ppb. MW7 is located in an upgradient location on the Site. It is possible that the presence of gasoline and or phenols in MW7 is due to off-Site sources.
- MW11 – One VOC, tetrachloroethylene, was detected at a concentration of 5.6 ppb, slightly above the Class GA Standard of 5.0 ppb. This compound is a common solvent used as a degreaser in auto-related businesses. The small one-story brick structure located directly east of boring location MW11 was formerly used for auto repair. MW11 is located in an upgradient location. Because of the upgradient location of MW11 and because of its proximity to an auto repair facility, this solvent contamination could have originated on- or off-Site.
- MW13A – Nine VOCs, 4-isopropyltoluene, benzene, 1,2,4-trimethylbenzene, ethylbenzene, M+P xylene, naphthalene, o-xylene, styrene, and toluene, were detected at concentrations above their respective Class GA Standards in MW13. These detected compounds are common gasoline constituents. Naphthalene was detected by EPA Method 8260 at a concentration of 700 ppb and by EPA Method 8260 at a concentration of 630 ppb. Both detected concentrations exceed the Class GA Groundwater Guidance Value (no Standard exists) of 10 ppb. MW13 is located in a downgradient location on the Site. The presence of gasoline contamination in MW13 may have resulted from on- or off-Site sources.

The concentrations of metals detected in groundwater samples are typical of those found in groundwater in urban areas and are not of concern. No pesticides or PCBs were detected in any of the groundwater samples.

7.3 SURVEY

The water table elevations varied from el. -0.18 BBD in MW6 to el. 2.60 BBD in MW11. Groundwater predominantly flows in a westerly direction towards the East River and in a northerly direction towards Newtown Creek.

7.4 SUMMARY

There was no widespread soil or groundwater contamination detected on the Greenpoint Lumber Yard site, based on the collection and analysis of 61 soil samples and 16 groundwater samples. Site conditions were found to be generally consistent with background conditions in urban waterfront areas reflecting the use of historic urban fill, including Queens West in Long Island City, Route 9A in Manhattan and west of Kent Avenue in Brooklyn. Two geographically isolated

areas of concern for soil contamination and four geographically isolated areas of concern for groundwater contamination were identified by these investigations. Groundwater flows predominantly in a westerly direction towards the East River and in a northerly direction towards Newtown Creek.

8.0 RECOMMENDATIONS

The extensive investigation undertaken for the site was based on the 100-year industrial history on the Greenpoint Lumber Yard Site. The investigatory program revealed only limited soil and groundwater contamination during two rounds of soil and groundwater sampling, which included the collection and analysis of 61 soil samples and 16 groundwater samples. Well-established procedures exist to address the areas of concern that were detected during subsurface testing. These areas of concern can be addressed prior to and/or during construction activities.

8.1 REGULATORY AGENCY INVOLVEMENT

Due to an active spill listing and a proposed rezoning of the site, it is anticipated that both State and City agencies will be involved with future development of the Greenpoint Lumber Yard Site.

8.1.1 State

In accordance with legal reporting requirements, a spill was reported to the New York State Department of Environmental Conservation (NYSDEC) for petroleum contamination in the vicinity of sampling location MW-1 in 2001. MW-1 is located near a former gasoline pump and associated underground storage tank(s). Soil sampling analytical results from the October 2001 subsurface investigation indicated elevated levels of semivolatile organic compounds above TAGM RSCOs for several compounds often associated with petroleum.

New York State provides petroleum-contaminated soil guidance policies in the Division of Environmental Remediation's DRAFT DER-10, Technical Guidance for Site Investigation and Remediation (December 2002) and in the TAGM 4046. Upon completion of remedial activities, which will likely constitute the excavation and proper off-site disposal of petroleum-contaminated soil from the vicinity of MW-1 and the collection and analysis of endpoint samples, a Spill Closure Report should be prepared and submitted to the NYS DEC Spill Coordinator for the active listing. It is possible that NYS DEC could require groundwater monitoring in the vicinity of the spill. When the spill has been remediated to the satisfaction of the State, a No Further Action letter for the spill will be issued and the spill listing will be effectively closed. In accordance with DER-10, the execution of an Administrative Order on Consent or Stipulation may be required by the State for the spill remediation. If additional areas of contamination are encountered during tank removal and/or general excavation activities, additional spills would need to be reported to New York State. Individual spill listings would be linked together and one Spill Closure Report could be submitted to the NYS DEC for the spill listings. Based on the results of the two subsurface investigations, no other New York State regulatory agency involvement would be required.

In addition to the remediation action discussed in Section 8.2, additional remedial actions, such as groundwater monitoring in locations of USTs and/or spills, vapor barriers beneath buildings, deed restrictions, etc., may be required by New York State through the Oil Spill Program.

8.1.2 City

New York City has proposed rezoning an area along the Brooklyn Waterfront that includes the Greenpoint Lumber Yard site. The rezoning action requires review under the City Environmental Quality Review (CEQR) process. It is anticipated that potential contaminated materials issues will be recognized for the Greenpoint Lumber Yard site and the individual lots that comprise the site will receive E-designations as a result of the rezoning. In accordance with Chapter 24 of Title 15 of the Rules of the City of New York, an E-designation requires that, prior to redevelopment, the property owner perform a Phase I Environmental Site Assessment (ESA), and/or a subsurface (Phase II) investigation (if recommended by the conclusions of the Phase I ESA), and/or remediation (if recommended by the conclusions of the Phase II investigation) with approval from and to the satisfaction of New York City Department of Environmental Protection (NYC DEP) before Building Permits and/or Certificates of Occupancy can be obtained from the New York City Department of Buildings.

Both the Phase I and Phase II, if required, must be completed and the Remedial Action Work Plan, if required, must be approved by NYC DEP before the New York City Department of Buildings will issue a Building Permit. Remediation may occur prior to or during general excavation. A Construction Health and Safety Plan must be submitted to NYC DEP and approved for implementation during general excavation activities, whether or not remedial activities have been completed.

After completion of the requirements of the Remediation Action Work Plan, a Closure Report must be submitted to NYC DEP. This report would contain any characterization sampling results for soil disposed of off-site; acceptance letters from disposal facilities; manifests for disposal of contaminated soil, if any; as-built site drawings showing final depth of excavation and vapor barrier specifications, if any; and documentation that any remedial activities performed during general excavation were completed in accordance with the NYC DEP-approved Remedial Action Work Plan. The report must also be certified by a licensed Professional Engineer. Once NYC DEP is satisfied that the investigation and/or remediation are complete, a Notice of Satisfaction will be issued, allowing the property owner to obtain a Certificate of Occupancy. If remedial activities, such as ongoing monitoring of groundwater or capping of a site, continue beyond completion of the project, then NYC DEP may require a Restrictive Declaration.

It has been our experience on sites similar to the Greenpoint Lumber Yard site, where a Phase I and Phase II have already been performed, that the final reports for these studies can be submitted to NYC DEP for review and approval. It is likely that NYC DEP will require further investigation to confirm the findings of the two subsurface investigations. Based on the results of the Phase II investigations, it is anticipated that remediation, as described in Section 8.2, could take place during site preparation work for the proposed project.

8.2 REMEDIATION

Based on our experience with City-approved remediations, we anticipate the following measures would be required by NYC DEP for the Greenpoint Lumber Yard Site:

- **Soil Hotspots and Underground Storage Tank Removal.** NYC DEP will likely require the removal of the two hotspots identified in the two subsurface investigations and the underground storage tank (UST) located near MW-1 and other USTs noted in the Phase I

ESA. Tank contents and affected soil that is removed from the hotspot and UST locations would require appropriate off-site disposal and a licensed facility. Confirmatory endpoint samples would be collected from the sidewalls and base of the excavations. Disposal manifests and endpoint sampling results would be submitted to NYC DEP in a Remedial Action Report, if remedial activities occur prior to construction, or in a Closure Report, if remedial activities occur during general excavation. These reports would also be submitted to the State Spills Group.

- **Capping.** It is possible that NYC DEP would require capping of the entire Greenpoint Lumber Yard site with either paved surfaces and/or building foundations or two feet of imported clean fill material in landscaped areas to eliminate the exposure pathways of ingestion and/or inhalation of contaminants that may remain in the ground after the project is complete.

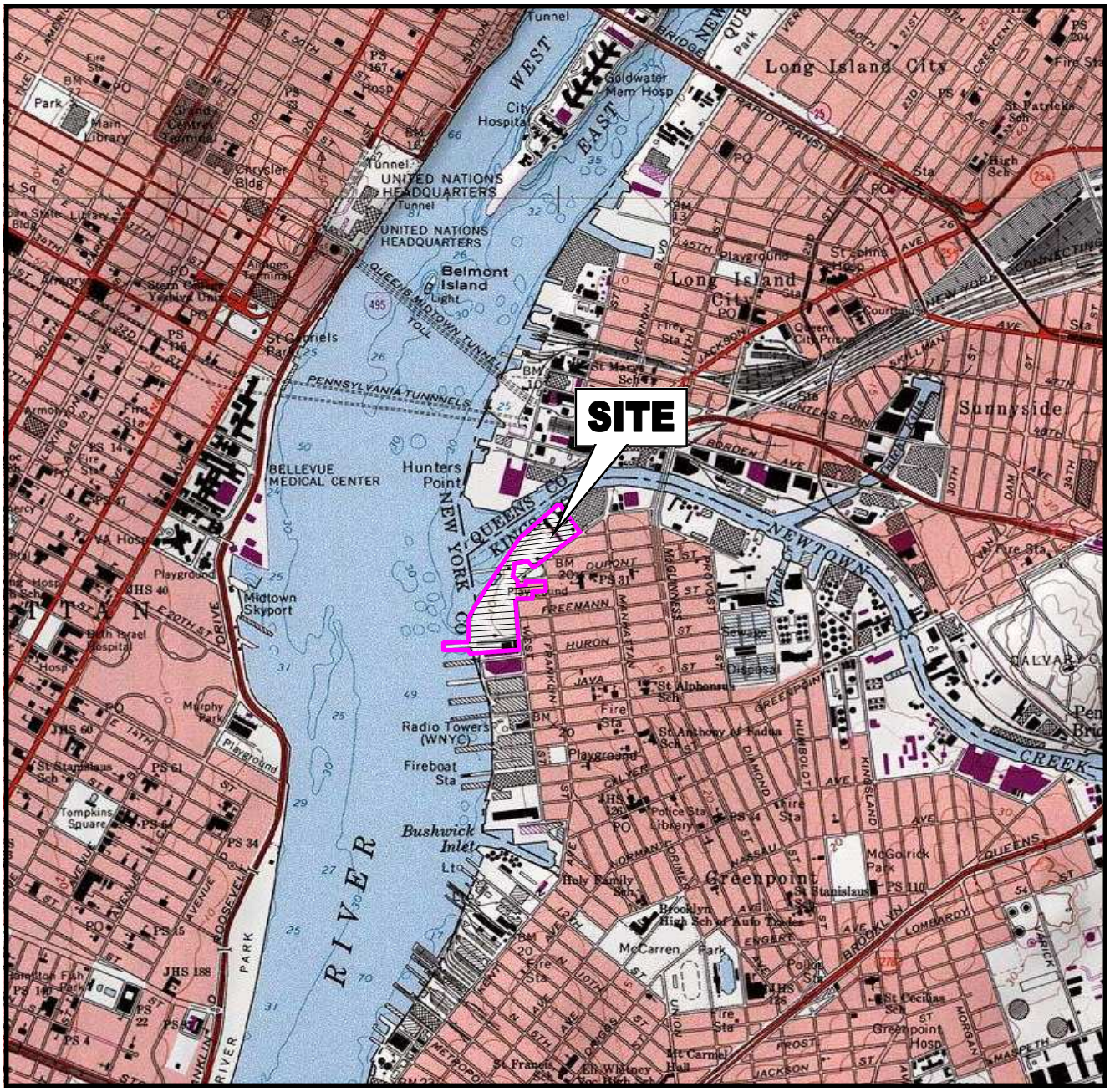
NYC DEP will also require a Construction Health and Safety Plan (see Section 8.1.2) prior to commencement of construction for the proposed project. The Construction Health and Safety Plan (CHASP) will be tailored specifically to the proposed development on the Greenpoint Lumber Yard site and will establish practices and procedures to protect the health of construction personnel and others during implementation of work involving potential or known contamination on the site. It will include contingencies for the identification and mitigation of USTs, drums or areas of contamination. The CHASP will be in conformance with the various Occupational Safety and Health Administration (OSHA) standards and NYC DEP requirements.

During general excavation, all soil removed from the site must be managed and disposed of in accordance with applicable federal, state and local regulations. Based on sampling results from the two subsurface investigations, none of the soil tested to date is a hazardous waste. Areas of contamination may require disposal as petroleum-contaminated or non-hazardous contaminated material. Most of the soil on the site, however, will likely be disposed of as construction and demolition debris.

Based on our experience, groundwater remediation is not anticipated. The Class GA exceedances that were detected in four of the groundwater sampling locations during the two subsurface investigations were very slight. The types and levels of detected contaminants are not indicative of contamination from former on-site uses as a chemical factory or lumber yard and are not unusual for urban areas. As such, contamination in three of the four wells (MW-7, MW-11 and MW-13) may result from off-site sources. The contamination in MW-1, located near a former gasoline pump and associated underground storage tank(s), is indicative of gasoline and it likely a result of leaks from the proximate pump and tank system. Although remediation is not anticipated, groundwater monitoring may be required by the State in areas where spills have been reported to assure that the removal of the source has led to the improvement or stabilization of the limited groundwater contamination.

Additional remedial actions, such as groundwater monitoring in locations of USTs and/or spills, vapor barriers beneath buildings, deed restrictions, etc., may be required by New York Site through the Oil Spill Program and/or the Brownfields Program.

FIGURES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Midtown Skyport
Radio Towers (WNYC)
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Bushwick Inlet
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NEWTOWN CREEK
QUEENS-CO
KINGS-CO
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QUEENS MIDTOWN TUNNEL
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City Hospital
Chrysler Bldg
Main Library
Tompkins Square
McCarren Park
McGolrick Park
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Brooklyn High Sch of Auto Trades
Greenpoint Hosp
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St Carmel Hall
St Francis Sch
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St Anthony of Padua Sch
St Stanislaus
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St Mary's Sch
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Beth Israel Hospital
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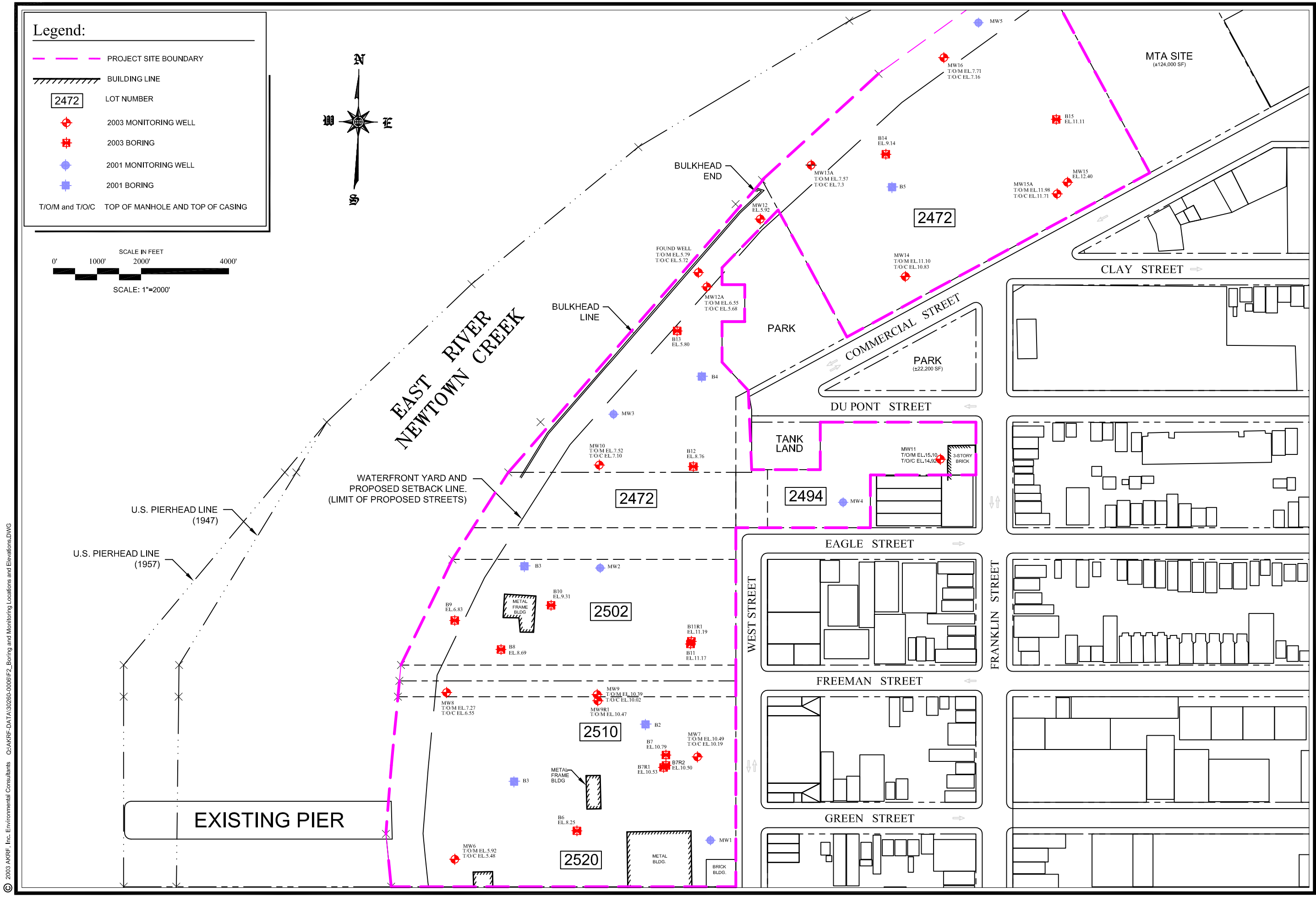

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GREENPOINT LUMBER YARD
Brooklyn, New York

BORING AND MONITORING LOCATIONS AND ELEVATIONS

DATE	09.03.03
SCALE	1"=2000'
PROJECT No.	30260
FIGURE No.	2

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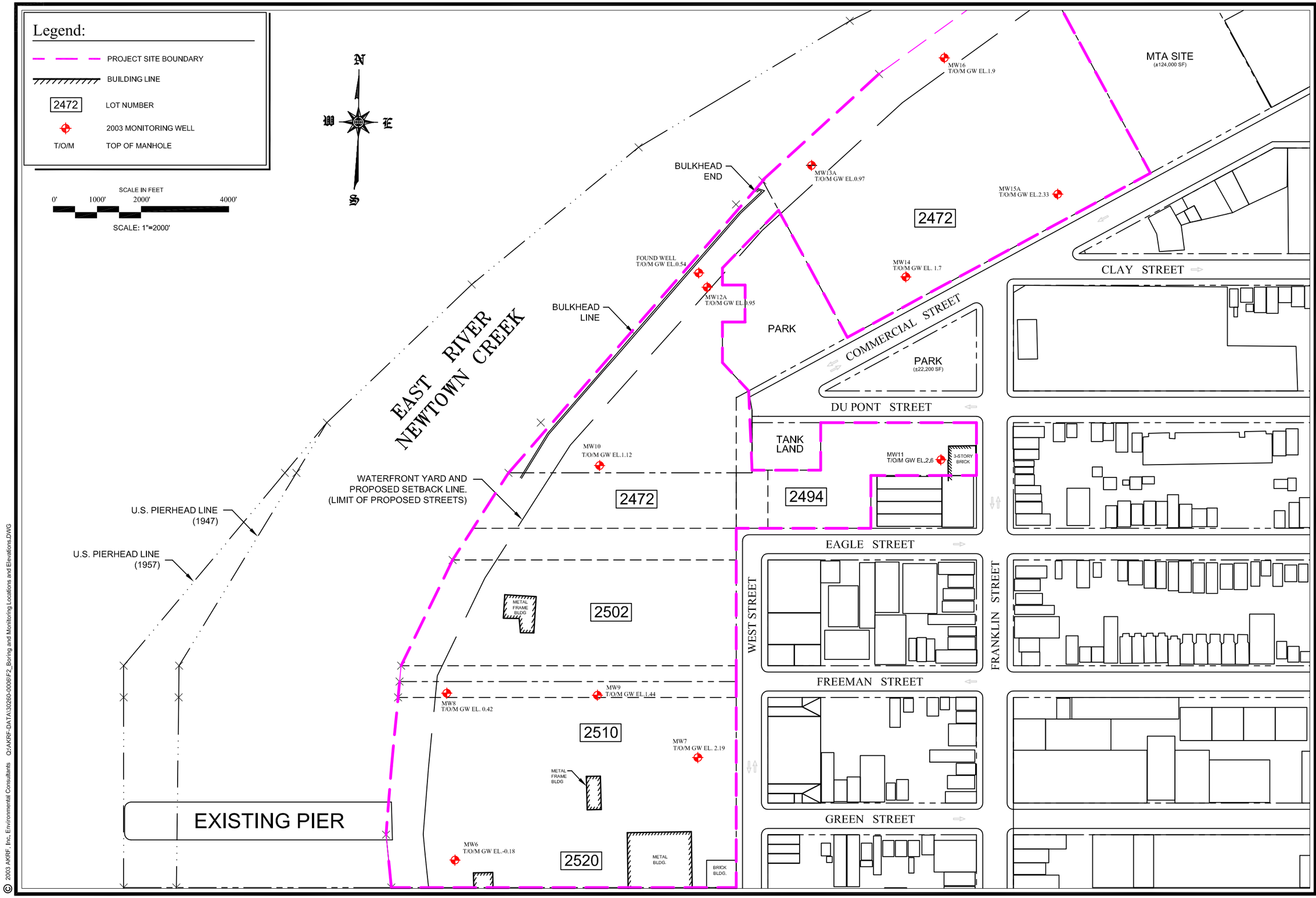

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440 Park Avenue South New York, N.Y. 10016

GREENPOINT LUMBER YARD
Brooklyn, New York

GROUNDWATER TABLE ELEVATIONS

DATE	09.03.03
SCALE	1"=2000'
PROJECT No.	30260
FIGURE No.	3

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TABLES

Table 17: Semivolatile Organic Compounds in Groundwater Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	NYS DEC Class GA Ambient Water Qual. Standards ug/L	MW1 Groundwater ug/L Dilution 5		MW2 Groundwater ug/L Dilution 5		MW3 Groundwater ug/L Dilution 5		MW4 Groundwater ug/L Dilution 5		MW5 Groundwater ug/L Dilution 5	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	**50	U	5	U	5	U	5	U	5	U	5
N-Nitrosodimethylamine	62-75-9	*	U	5	U	5	U	5	U	5	U	5
Aniline	62-53-3	5	U	5	U	5	U	5	U	5	U	5
Bis(2-chloroethyl)ether	111-44-4	1	U	5	U	5	U	5	U	5	U	5
Phenol	108-95-1	1	U	5	U	5	U	5	U	5	U	5
2-Chlorophenol	95-57-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	5	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	5	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	4.7	U	5	U	5	U	5	U	5	U	5
Benzyl Alcohol	100-51-6	*	U	5	U	5	U	5	U	5	U	5
Bis(2-chloroisopropyl)ether	108-60-1	*	U	5	U	5	U	5	U	5	U	5
2-Methylphenol	95-48-7	*	U	5	U	5	U	5	U	5	U	5
Hexachloroethane	67-72-1	*	U	5	U	5	U	5	U	5	U	5
N-Nitrosodi-n-propylamine	621-64-7	*	U	5	U	5	U	5	U	5	U	5
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	5	U	5	U	5	U	5	U	5
Nitrobenzene	98-95-3	5	U	5	U	5	U	5	U	5	U	5
Isophorone	78-59-1	50*	U	5	U	5	U	5	U	5	U	5
2- Nitrophenol	88-75-5	*	U	5	U	5	U	5	U	5	U	5
2,4-Dimethylphenol	105-67-9	*	U	5	U	5	U	5	U	5	U	5
Benzoic Acid	65-85-0	*	U	5	U	5	U	5	U	5	U	5
Bis(2-chloroethoxy)methane	111-91-1	*	U	5	U	5	U	5	U	5	U	5
2,4-Dichlorophenol	102-83-2	1	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	5	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	**10	18	5	U	5	U	5	U	5	U	5
4-Chloroaniline	106-47-8	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	5	U	5	U	5	U	5	U	5	U	5
4-Chloro-3-methylphenol	59-50-7	*	U	5	U	5	U	5	U	5	U	5
2-Methylnaphthalene	91-57-6	*	U	5	U	5	U	5	U	5	U	5
Hexachlorocyclopentadiene	77-47-4	5	U	5	U	5	U	5	U	5	U	5
2,4,5-Trichlorophenol	95-95-4	*	U	5	U	5	U	5	U	5	U	5
2,4,6-Trichlorophenol	88-06-2	*	U	5	U	5	U	5	U	5	U	5
2-Chloronaphthalene	91-58-7	**10	U	5	U	5	U	5	U	5	U	5
2-Nitroaniline	88-74-4	*	U	5	U	5	U	5	U	5	U	5
Acenaphthylene	208-96-8	*	U	5	U	5	U	5	U	5	U	5
Dimethyl Phthalate	131-11-3	*50	U	5	U	5	U	5	U	5	U	5

Table 17: Semivolatile Organic Compounds in Groundwater Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	NYS DEC Class GA Ambient Water Qual. Standards ug/L	MW1 Groundwater ug/L Dilution 5		MW2 Groundwater ug/L Dilution 5		MW3 Groundwater ug/L Dilution 5		MW4 Groundwater ug/L Dilution 5		MW5 Groundwater ug/L Dilution 5	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
2,6-Dinitrotoluene	606-20-2	5	U	5	U	5	U	5	U	5	U	5
Acenaphthene	83-32-9	**20	U	5	U	5	U	5	U	5	U	5
3-Nitroaniline	99-09-2	*	U	5	U	5	U	5	U	5	U	5
2,4-Dinitrophenol	51-28-5	*	U	5	U	5	U	5	U	5	U	5
Dibenzofuran	132-64-9	*	U	5	U	5	U	5	U	5	U	5
2,4-Dinitrotoluene	121-14-2	*	U	5	U	5	U	5	U	5	U	5
4-Nitrophenol	100-02-7	*	U	5	U	5	U	5	U	5	U	5
Fluorene	86-73-7	**50	U	5	U	5	U	5	U	5	U	5
4-Chlorophenyl phenyl ether	7005-72-3	*	U	5	U	5	U	5	U	5	U	5
Azobenzene	103-33-3	*	U	5	U	5	U	5	U	5	U	5
Diethyl Phthalate	84-66-2	**50	U	5	U	5	U	5	U	5	U	5
4-Nitroaniline	100-01-6	*	U	5	U	5	U	5	U	5	U	5
4,6-Dinitro-2-methylphenol	534-52-1	*	U	5	U	5	U	5	U	5	U	5
N-Nitrosodiphenylamine	86-30-6	**50	U	5	U	5	U	5	U	5	U	5
4-Bromophenyl phenyl ether	101-55-3	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobenzene	118-74-1	0.35	U	5	U	5	U	5	U	5	U	5
Pentachlorophenol	87-86-5	1	U	5	U	5	U	5	U	5	U	5
Phenanthrene	85-01-8	**50	U	5	U	5	U	5	U	5	U	5
Anthracene	120-12-7	**50	U	5	U	5	U	5	U	5	U	5
Carbazole	86-74-8	*	U	5	U	5	U	5	U	5	U	5
Di-n-butyl Phthalate	84-74-2	50	U	5	U	5	U	5	U	5	U	5
Fluoranthene	206-44-0	**50	U	5	U	5	U	5	U	5	U	5
Benzidine	92-87-5	5	U	5	U	5	U	5	U	5	U	5
Pyrene	129-00-0	**50	U	5	U	5	U	5	U	5	U	5
Butyl benzyl Phthalate	85-68-7	**50	U	5	U	5	U	5	U	5	U	5
3,3´-Dichlorobenzidine	91-94-1	*	U	5	U	5	U	5	U	5	U	5
Benzo(a)anthracene	56-55-3	**0.002	U	5	U	5	U	5	U	5	U	5
Chrysene	218-01-9	**0.002	U	5	U	5	U	5	U	5	U	5
Bis(2-ethylhexyl)Phthalate	117-81-7	50	U	5	U	5	U	5	U	5	U	5
Di-n-octyl Phthalate	117-84-0	**50	U	5	U	5	U	5	U	5	U	5
Benzo(b)fluoranthene	205-99-2	**0.002	U	5	U	5	U	5	U	5	U	5
Benzo(k)fluoranthene	207-08-9	**0.002	U	5	U	5	U	5	U	5	U	5
Benzo(a)pyrene	50-32-8	*	U	5	U	5	U	5	U	5	U	5
Indeno(1,2,3-c,d)pyrene	193-39-5	**0.002	U	5	U	5	U	5	U	5	U	5
Dibenzo(a,h)anthracene	53-70-3	*	U	5	U	5	U	5	U	5	U	5
Benzo(g,h,i)perylene	191-24-2	*	U	5	U	5	U	5	U	5	U	5

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B1 [1'-2'] Soil ug/kg Dilution 1		B1 [4'-5'] Soil ug/kg Dilution 1		B2 [0'-1'] Soil ug/kg Dilution 1		B3 [1'-3'] Soil ug/kg Dilution 2		B3 [8'-10'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	*	U	40	U	40	U	40	U	80	U	80
N-Nitrosodimethylamine	62-75-9	*	U	40	U	40	U	40	U	80	U	80
Aniline	62-53-3	1,000	U	40	U	40	U	40	U	80	U	80
Bis(2-chloroethyl)ether	111-44-4	*	U	40	U	40	U	40	U	80	U	80
Phenol	108-95-1	30 or MDL	U	40	U	40	U	40	U	80	U	80
2-Chlorophenol	95-57-8	800	U	40	U	40	U	40	U	80	U	80
1,3-Dichlorobenzene	541-73-1	1,600	U	40	U	40	U	40	U	80	U	80
1,4-Dichlorobenzene	106-46-7	8,500	U	40	U	40	U	40	U	80	U	80
1,2-Dichlorobenzene	95-50-1	7,900	U	40	U	40	U	40	U	80	U	80
Benzyl Alcohol	100-51-6	*	U	40	U	40	U	40	U	80	U	80
Bis(2-chloroisopropyl)ether	108-60-1	*	U	40	U	40	U	40	U	80	U	80
2-Methylphenol	95-48-7	100 or MDL	U	40	U	40	U	40	U	80	U	80
Hexachloroethane	67-72-1	*	U	40	U	40	U	40	U	80	U	80
N-Nitrosodi-n-propylamine	621-64-7	*	U	40	U	40	U	40	U	80	U	80
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	40	U	40	U	40	U	80	U	80
Nitrobenzene	98-95-3	200 or MDL	U	40	U	40	U	40	U	80	U	80
Isophorone	78-59-1	4,400	U	40	U	40	U	40	U	80	U	80
2- Nitrophenol	88-75-5	330 or MDL	U	40	U	40	U	40	U	80	U	80
2,4-Dimethylphenol	105-67-9	*	U	40	U	40	U	40	U	80	U	80
Benzoic Acid	65-85-0	2,700	280	40	U	70	U	70	U	140	U	140
Bis(2-chloroethoxy)methane	111-91-1	*	U	40	U	40	U	40	U	80	U	80
2,4-Dichlorophenol	102-83-2	400	U	40	U	40	U	40	U	80	U	80
1,2,4-Trichlorobenzene	120-82-1	3,400	U	40	U	40	U	40	U	80	U	80
Naphthalene	91-20-3	13,000	110	40	U	40	U	40	460	--	87	--
4-Chloroaniline	106-47-8	220 or MDL	U	40	U	40	U	40	U	80	U	80
Hexachlorobutadiene	87-68-3	*	U	40	U	40	U	40	U	80	U	80
4-Chloro-3-methylphenol	59-50-7	240 or MDL	U	40	U	40	U	40	U	80	U	80
2-Methylnaphthalene	91-57-6	36,400	130	40	95	--	100	NA	1,200	--	U	80
Hexachlorocyclopentadiene	77-47-4	*	U	40	U	40	U	40	U	80	U	80
2,4,5-Trichlorophenol	95-95-4	*	U	40	U	40	U	40	U	80	U	80
2,4,6-Trichlorophenol	88-06-2	1,000	U	40	U	40	U	40	U	80	U	80
2-Chloronaphthalene	91-58-7	*	U	40	U	40	U	40	U	80	U	80
2-Nitroaniline	88-74-4	430 or MDL	U	40	U	40	U	40	U	80	U	80
Acenaphthylene	208-96-8	41,000	U	40	U	40	150	NA	120	--	U	80
Dimethyl Phthalate	131-11-3	2,000	U	40	U	40	U	40	U	80	U	80
2,6-Dinitrotoluene	606-20-2	1,000	U	40	U	40	U	40	U	80	U	80

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B1 [1'-2'] Soil ug/kg Dilution 1		B1 [4'-5'] Soil ug/kg Dilution 1		B2 [0'-1'] Soil ug/kg Dilution 1		B3 [1'-3'] Soil ug/kg Dilution 2		B3 [8'-10'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Acenaphthene	83-32-9	50,000	U	40	U	40	240	NA	80	--	170	--
3-Nitroaniline	99-09-2	0.5 or MDL	U	40	U	40	U	40	U	80	U	80
2,4-Dinitrophenol	51-28-5	200 or MDL	U	70	U	70	U	70	U	140	U	140
Dibenzofuran	132-64-9	6,200	U	40	U	40	U	40	170	--	95	--
2,4-Dinitrotoluene	121-14-2	1,000	U	40	U	40	U	40	U	80	U	80
4-Nitrophenol	100-02-7	100 or MDL	U	50	U	50	U	50	U	100	U	100
Fluorene	86-73-7	50,000	U	40	U	40	320	NA	280	--	140	--
4-Chlorophenyl phenyl ether	7005-72-3	*	U	40	U	40	U	40	U	80	U	80
Azobenzene	103-33-3	*	U	40	U	40	U	40	U	80	U	80
Diethyl Phthalate	84-66-2	7,100	U	40	U	40	U	40	U	80	U	80
4-Nitroaniline	100-01-6	*	U	50	U	50	U	50	U	100	U	100
4,6-Dinitro-2-methylphenol	534-52-1	*	U	40	U	40	U	40	U	80	U	80
N-Nitrosodiphenylamine	86-30-6	*	U	40	U	40	U	40	U	80	U	80
4-Bromophenyl phenyl ether	101-55-3	*	U	40	U	40	U	40	U	80	U	80
Hexachlorobenzene	118-74-1	410	U	40	U	40	U	40	U	80	U	80
Pentachlorophenol	87-86-5	1,000 or MDL	U	60	U	60	U	60	U	120	U	120
Phenanthrene	85-01-8	50,000	170	--	160	--	3,900	--	1,400	--	1,500	--
Anthracene	120-12-7	50,000	45	--	U	40	980	--	260	--	380	--
Carbazole	86-74-8	*	U	40	U	40	210	--	90	--	110	--
Di-n-butyl Phthalate	84-74-2	8,100	U	40	U	40	U	40	110	--	U	80
Fluoranthene	206-44-0	50,000	230	--	150	--	5,600	--	1,100	--	2,100	--
Benzidine	92-87-5	*	U	40	U	40	U	40	U	80	U	80
Pyrene	129-00-0	50,000	290	--	220	--	7,800	--	990	--	2,100	--
Butyl benzyl Phthalate	85-68-7	50,000	U	40	U	40	U	40	U	80	U	80
3,3'-Dichlorobenzidine	91-94-1	n/a	U	40	U	40	U	40	U	80	U	80
Benzo(a)anthracene	56-55-3	224 or MDL	140	--	110	--	4,000	--	570	--	970	--
Chrysene	218-01-9	400	160	--	140	--	4,400	--	740	--	1,000	--
Bis(2-ethylhexyl)Phthalate	117-81-7	50,000	730	--	840	--	440	--	110	--	460	--
Di-n-octyl Phthalate	117-84-0	50,000	U	40	U	40	U	40	U	80	U	80
Benzo(b)fluoranthene	205-99-2	1,100	270	--	260	--	6,000	--	520	--	940	--
Benzo(k)fluoranthene	207-08-9	1,100	280	--	270	--	6,400	--	360	--	670	--
Benzo(a)pyrene	50-32-8	61 or MDL	170	--	150	--	3,800	--	500	--	950	--
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200	U	40	96	--	540	--	310	--	550	--
Dibenzo(a,h)anthracene	53-70-3	14 or MDL	U	40	U	40	1,100	--	110	--	150	--
Benzo(g,h,i)perylene	191-24-2	50,000	170	--	100	--	2,800	--	340	--	620	--
TOTAL SVOCs			3,175		2,591		48,780		9,820		12,992	

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**
NA Not Analyzed

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B4 [2'-4'] Soil ug/kg Dilution 1		B4 [6'-8'] Soil ug/kg Dilution 5		B5 [2'-4'] Soil ug/kg Dilution 2		B5 [5'-7'] Soil ug/kg Dilution 10, 500		MW1 [5'-6'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	*	U	40	U	40	U	40	U	40	U	40
N-Nitrosodimethylamine	62-75-9	*	U	40	U	40	U	40	U	40	U	40
Aniline	62-53-3	1,000	U	40	U	40	U	40	U	40	U	40
Bis(2-chloroethyl)ether	111-44-4	*	U	40	U	40	U	40	U	40	U	40
Phenol	108-95-1	30 or MDL	U	40	U	40	U	40	U	40	U	40
2-Chlorophenol	95-57-8	800	U	40	U	40	U	40	U	40	U	40
1,3-Dichlorobenzene	541-73-1	1,600	U	40	U	40	U	40	U	40	U	40
1,4-Dichlorobenzene	106-46-7	8,500	U	40	U	40	U	40	U	40	U	40
1,2-Dichlorobenzene	95-50-1	7,900	U	40	U	40	U	40	U	40	U	40
Benzyl Alcohol	100-51-6	*	U	40	U	40	U	40	U	40	U	40
Bis(2-chloroisopropyl)ether	108-60-1	*	U	40	U	40	U	40	U	40	U	40
2-Methylphenol	95-48-7	100 or MDL	U	40	U	40	U	40	U	40	U	40
Hexachloroethane	67-72-1	*	U	40	U	40	U	40	U	40	U	40
N-Nitrosodi-n-propylamine	621-64-7	*	U	40	U	40	U	40	U	40	U	40
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	40	U	40	U	40	U	40	U	40
Nitrobenzene	98-95-3	200 or MDL	U	40	U	40	U	40	U	40	U	40
Isophorone	78-59-1	4,400	U	40	U	40	U	40	U	40	U	40
2- Nitrophenol	88-75-5	330 or MDL	U	40	U	40	U	40	U	40	U	40
2,4-Dimethylphenol	105-67-9	*	U	40	U	40	U	40	U	40	U	40
Benzoic Acid	65-85-0	2,700	U	70	U	70	U	70	200	70	230	70
Bis(2-chloroethoxy)methane	111-91-1	*	U	40	U	40	U	40	U	40	U	40
2,4-Dichlorophenol	102-83-2	400	U	40	U	40	U	40	U	40	U	40
1,2,4-Trichlorobenzene	120-82-1	3,400	U	40	U	40	U	40	U	40	U	40
Naphthalene	91-20-3	13,000	U	40	U	40	U	40	U	40	U	40
4-Chloroaniline	106-47-8	220 or MDL	U	40	U	40	U	40	U	40	U	40
Hexachlorobutadiene	87-68-3	*	U	40	U	40	U	40	U	40	U	40
4-Chloro-3-methylphenol	59-50-7	240 or MDL	U	40	U	40	U	40	U	40	U	40
2-Methylnaphthalene	91-57-6	36,400	U	40	U	40	U	40	28	40	U	40
Hexachlorocyclopentadiene	77-47-4	*	U	40	U	40	U	40	U	40	U	40
2,4,5-Trichlorophenol	95-95-4	*	U	40	U	40	U	40	U	40	U	40
2,4,6-Trichlorophenol	88-06-2	1,000	U	40	U	40	U	40	U	40	U	40
2-Chloronaphthalene	91-58-7	*	U	40	U	40	U	40	U	40	U	40
2-Nitroaniline	88-74-4	430 or MDL	U	40	U	40	U	40	U	40	U	40
Acenaphthylene	208-96-8	41,000	U	40	U	40	U	40	U	40	U	40
Dimethyl Phthalate	131-11-3	2,000	U	40	U	40	U	40	U	40	U	40
2,6-Dinitrotoluene	606-20-2	1,000	U	40	U	40	U	40	U	40	U	40

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B4 [2'-4'] Soil ug/kg Dilution 1		B4 [6'-8'] Soil ug/kg Dilution 5		B5 [2'-4'] Soil ug/kg Dilution 2		B5 [5'-7'] Soil ug/kg Dilution 10, 500		MW1 [5'-6'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Acenaphthene	83-32-9	50,000	U	40	U	40	U	40	53	40	U	40
3-Nitroaniline	99-09-2	0.5 or MDL	U	40	U	40	U	40	U	40	U	40
2,4-Dinitrophenol	51-28-5	200 or MDL	U	70	U	70	U	70	U	70	U	70
Dibenzofuran	132-64-9	6,200	U	40	U	40	U	40	47	40	U	40
2,4-Dinitrotoluene	121-14-2	1,000	U	40	U	40	U	40	U	40	U	40
4-Nitrophenol	100-02-7	100 or MDL	U	50	U	50	U	50	U	50	U	50
Fluorene	86-73-7	50,000	U	40	U	40	U	40	61	40	U	40
4-Chlorophenyl phenyl ether	7005-72-3	*	U	40	U	40	U	40	U	40	U	40
Azobenzene	103-33-3	*	U	40	U	40	U	40	U	40	U	40
Diethyl Phthalate	84-66-2	7,100	U	40	U	40	U	40	U	40	U	40
4-Nitroaniline	100-01-6	*	U	50	U	50	U	50	U	50	U	50
4,6-Dinitro-2-methylphenol	534-52-1	*	U	40	U	40	U	40	U	40	U	40
N-Nitrosodiphenylamine	86-30-6	*	U	40	U	40	U	40	U	40	U	40
4-Bromophenyl phenyl ether	101-55-3	*	U	40	U	40	U	40	U	40	U	40
Hexachlorobenzene	118-74-1	410	U	40	U	40	U	40	U	40	U	40
Pentachlorophenol	87-86-5	1,000 or MDL	U	60	U	60	U	60	U	60	U	60
Phenanthrene	85-01-8	50,000	640	--	U	40	120	40	570	40	U	40
Anthracene	120-12-7	50,000	130	40	U	40	U	40	130	40	U	40
Carbazole	86-74-8	*	U	40	U	40	U	40	60	40	U	40
Di-n-butyl Phthalate	84-74-2	8,100	U	40	U	40	U	40	U	40	U	40
Fluoranthene	206-44-0	50,000	1,500	--	U	40	150	40	490	40	U	40
Benzidine	92-87-5	*	U	40	U	40	U	40	U	40	U	40
Pyrene	129-00-0	50,000	2,700	--	U	40	200	40	460	40	U	40
Butyl benzyl Phthalate	85-68-7	50,000	U	40	U	40	U	40	U	40	U	40
3,3'-Dichlorobenzidine	91-94-1	n/a	U	40	U	40	U	40	U	40	U	40
Benzo(a)anthracene	56-55-3	224 or MDL	1,200	--	U	40	87	40	220	40	U	40
Chrysene	218-01-9	400	1,400	--	U	--	110	--	220	--	U	40
Bis(2-ethylhexyl)Phthalate	117-81-7	50,000	U	40	220	--	2,400	--	2,500	--	2,200	--
Di-n-octyl Phthalate	117-84-0	50,000	U	40	U	40	U	40	U	40	U	40
Benzo(b)fluoranthene	205-99-2	1,100	1,800	--	U	40	120	40	300	40	U	40
Benzo(k)fluoranthene	207-08-9	1,100	1,900	--	U	40	130	40	310	40	U	40
Benzo(a)pyrene	50-32-8	61 or MDL	1,300	--	U	40	92	40	220	40	U	40
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200	1,100	--	U	40	69	40	150	40	U	40
Dibenzo(a,h)anthracene	53-70-3	14 or MDL	100	40	U	40	U	40	220	40	U	40
Benzo(g,h,i)perylene	191-24-2	50,000	1,200	--	U	40	94	40	170	40	U	40
TOTAL SVOCs			14,970		220		3,572		6,409		2,430	

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**
NA Not Analyzed

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW1 [8'-9'] Soil ug/kg Dilution 8,80		MW2 [5'-7'] Soil ug/kg Dilution 1		MW2[9'-11'] Soil ug/kg Dilution 1		MW3 [0'-2'] Soil ug/kg Dilution 1		MW3 [5'-7'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	*	U	40	U	40	U	40	U	80	U	320
N-Nitrosodimethylamine	62-75-9	*	U	40	U	40	U	40	U	80	U	320
Aniline	62-53-3	1,000	U	40	U	40	U	40	U	80	U	320
Bis(2-chloroethyl)ether	111-44-4	*	U	40	U	40	U	40	U	80	U	320
Phenol	108-95-1	30 or MDL	U	40	U	40	U	40	U	80	U	320
2-Chlorophenol	95-57-8	800	U	40	U	40	U	40	U	80	U	320
1,3-Dichlorobenzene	541-73-1	1,600	U	40	U	40	U	40	U	80	U	320
1,4-Dichlorobenzene	106-46-7	8,500	U	40	U	40	U	40	U	80	U	320
1,2-Dichlorobenzene	95-50-1	7,900	U	40	U	40	U	40	U	80	U	320
Benzyl Alcohol	100-51-6	*	U	40	U	40	U	40	U	80	U	320
Bis(2-chloroisopropyl)ether	108-60-1	*	U	40	U	40	U	40	U	80	U	320
2-Methylphenol	95-48-7	100 or MDL	U	40	220	40	U	40	U	80	U	320
Hexachloroethane	67-72-1	*	U	40	U	40	U	40	U	80	U	320
N-Nitrosodi-n-propylamine	621-64-7	*	U	40	U	40	U	40	U	80	U	320
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	40	U	40	U	40	U	80	U	320
Nitrobenzene	98-95-3	200 or MDL	U	40	U	40	U	40	U	80	U	320
Isophorone	78-59-1	4,400	U	40	U	40	U	40	U	80	U	320
2- Nitrophenol	88-75-5	330 or MDL	U	40	U	40	U	40	U	80	U	320
2,4-Dimethylphenol	105-67-9	*	U	40	U	40	U	40	U	80	U	320
Benzoic Acid	65-85-0	2,700	U	70	U	70	U	70	190	140	U	320
Bis(2-chloroethoxy)methane	111-91-1	*	U	40	U	40	U	40	U	80	U	320
2,4-Dichlorophenol	102-83-2	400	U	40	U	40	U	40	U	80	U	320
1,2,4-Trichlorobenzene	120-82-1	3,400	U	40	U	40	U	40	U	80	U	320
Naphthalene	91-20-3	13,000	110	40	U	40	74	40	U	80	3,800	--
4-Chloroaniline	106-47-8	220 or MDL	U	40	U	40	U	40	U	80	U	320
Hexachlorobutadiene	87-68-3	*	U	40	U	40	U	40	U	80	U	320
4-Chloro-3-methylphenol	59-50-7	240 or MDL	U	40	U	40	U	40	U	80	U	320
2-Methylnaphthalene	91-57-6	36,400	88	40	590	40	56	40	U	80	1,500	--
Hexachlorocyclopentadiene	77-47-4	*	U	40	U	40	U	40	U	80	U	320
2,4,5-Trichlorophenol	95-95-4	*	U	40	U	40	U	40	U	80	U	320
2,4,6-Trichlorophenol	88-06-2	1,000	U	40	U	40	U	40	U	80	U	320
2-Chloronaphthalene	91-58-7	*	U	40	U	40	U	40	U	80	U	320
2-Nitroaniline	88-74-4	430 or MDL	U	40	U	40	U	40	U	80	U	320
Acenaphthylene	208-96-8	41,000	U	40	170	40	68	40	170	80	620	--
Dimethyl Phthalate	131-11-3	2,000	U	40	U	40	U	40	U	80	U	320
2,6-Dinitrotoluene	606-20-2	1,000	U	40	U	40	U	40	U	80	U	320

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW1 [8'-9'] Soil ug/kg Dilution 8,80		MW2 [5'-7'] Soil ug/kg Dilution 1		MW2[9'-11'] Soil ug/kg Dilution 1		MW3 [0'-2'] Soil ug/kg Dilution 1		MW3 [5'-7'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Acenaphthene	83-32-9	50,000	100	40	270	40	140	40	200	--	3,800	--
3-Nitroaniline	99-09-2	0.5 or MDL	U	40	U	40	U	40	U	80	U	320
2,4-Dinitrophenol	51-28-5	200 or MDL	U	70	U	70	U	70	U	140	U	560
Dibenzofuran	132-64-9	6,200	46	40	210	40	98	40	98	--	2,300	--
2,4-Dinitrotoluene	121-14-2	1,000	U	40	U	40	U	40	U	80	U	320
4-Nitrophenol	100-02-7	100 or MDL	U	50	U	50	U	50	U	100	U	400
Fluorene	86-73-7	50,000	100	40	500	40	190	40	250	--	4,500	--
4-Chlorophenyl phenyl ether	7005-72-3	*	U	40	U	40	U	40	U	80	U	320
Azobenzene	103-33-3	*	U	40	U	40	U	40	U	80	U	320
Diethyl Phthalate	84-66-2	7,100	U	40	U	40	U	40	U	80	U	320
4-Nitroaniline	100-01-6	*	U	50	U	50	U	50	U	100	U	400
4,6-Dinitro-2-methylphenol	534-52-1	*	U	40	U	40	U	40	U	80	U	320
N-Nitrosodiphenylamine	86-30-6	*	U	40	U	40	U	40	U	80	U	320
4-Bromophenyl phenyl ether	101-55-3	*	U	40	U	40	U	40	U	80	U	320
Hexachlorobenzene	118-74-1	410	U	40	U	40	U	40	U	80	U	320
Pentachlorophenol	87-86-5	1,000 or MDL	U	60	U	60	U	60	U	60	U	480
Phenanthrene	85-01-8	50,000	800	40	3,200	40	1,200	40	2,800	--	31,000	--
Anthracene	120-12-7	50,000	190	40	750	40	370	40	670	--	7,600	--
Carbazole	86-74-8	*	91	40	U	40	110	40	300	--	3,300	--
Di-n-butyl Phthalate	84-74-2	8,100	U	40	U	40	U	40	<80	80	U	320
Fluoranthene	206-44-0	50,000	690	40	4,900	40	1,300	40	4,400	--	30,000	--
Benzidine	92-87-5	*	U	40	U	40	U	40	U	80	U	320
Pyrene	129-00-0	50,000	780	40	4,500	40	1,200	40	3,900	--	24,000	--
Butyl benzyl Phthalate	85-68-7	50,000	U	40	U	40	U	40	U	80	U	320
3,3'-Dichlorobenzidine	91-94-1	n/a	U	40	U	40	U	40	U	80	U	320
Benzo(a)anthracene	56-55-3	224 or MDL	360	40	2,100	40	910	40	2,000	--	12,000	--
Chrysene	218-01-9	400	380	40	2,800	40	940	40	2,200	--	11,000	--
Bis(2-ethylhexyl)Phthalate	117-81-7	50,000	1,600	--	910	--	660	--	100	--	660	--
Di-n-octyl Phthalate	117-84-0	50,000	U	40	U	40	U	40	U	80	U	320
Benzo(b)fluoranthene	205-99-2	1,100	510	40	3,200	40	1,400	40	2,500	--	13,000	--
Benzo(k)fluoranthene	207-08-9	1,100	540	40	3,400	40	1,500	40	880	--	4,500	--
Benzo(a)pyrene	50-32-8	61 or MDL	310	40	1,800	40	840	40	2,000	--	10,000	--
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200	240	40	1,100	40	83	40	1,200	--	5,600	--
Dibenzo(a,h)anthracene	53-70-3	14 or MDL	86	40	520	40	190	40	340	--	1,700	--
Benzo(g,h,i)perylene	191-24-2	50,000	230	40	1,300	40	440	40	1,300	--	5,200	--
TOTAL SVOCs			7,251		32,440		11,769		25,498		176,080	

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**
NA Not Analyzed

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW4 [0'-2'] Soil ug/kg Dilution 1		MW4 [13'-15'] Soil ug/kg Dilution 1		MW5 [0'-2'] Soil ug/kg Dilution 1		MW5 [4'-6'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Pyridine	110-86-1	*	U	1600	U	80	U	320	U	320
N-Nitrosodimethylamine	62-75-9	*	U	1600	U	80	U	320	U	320
Aniline	62-53-3	1,000	U	1600	U	80	U	320	U	320
Bis(2-chloroethyl)ether	111-44-4	*	U	1600	U	80	U	320	U	320
Phenol	108-95-1	30 or MDL	U	1600	U	80	U	320	U	320
2-Chlorophenol	95-57-8	800	U	1600	U	80	U	320	U	320
1,3-Dichlorobenzene	541-73-1	1,600	U	1600	U	80	U	320	U	320
1,4-Dichlorobenzene	106-46-7	8,500	U	1600	U	80	U	320	U	320
1,2-Dichlorobenzene	95-50-1	7,900	U	1600	U	80	U	320	U	320
Benzyl Alcohol	100-51-6	*	U	1600	U	80	U	320	U	320
Bis(2-chloroisopropyl)ether	108-60-1	*	U	1600	U	80	U	320	U	320
2-Methylphenol	95-48-7	100 or MDL	U	1600	U	80	U	320	U	320
Hexachloroethane	67-72-1	*	U	1600	U	80	U	320	U	320
N-Nitrosodi-n-propylamine	621-64-7	*	U	1600	U	80	U	320	U	320
3+4-Methylphenol	108-39-4 / 106-44-5	*	U	1600	U	80	U	320	U	320
Nitrobenzene	98-95-3	200 or MDL	U	1600	U	80	U	320	U	320
Isophorone	78-59-1	4,400	U	1600	U	80	U	320	U	320
2- Nitrophenol	88-75-5	330 or MDL	U	1600	U	80	U	320	U	320
2,4-Dimethylphenol	105-67-9	*	U	1600	U	80	U	320	U	320
Benzoic Acid	65-85-0	2,700	U	2800	170	140	U	560	U	560
Bis(2-chloroethoxy)methane	111-91-1	*	U	1600	U	80	U	320	U	320
2,4-Dichlorophenol	102-83-2	400	U	1600	U	80	U	320	U	320
1,2,4-Trichlorobenzene	120-82-1	3,400	U	1600	U	80	U	320	U	320
Naphthalene	91-20-3	13,000	2,000	--	150	80	U	320	U	320
4-Chloroaniline	106-47-8	220 or MDL	U	1600	U	80	U	320	U	320
Hexachlorobutadiene	87-68-3	*	U	1600	U	80	U	320	U	320
4-Chloro-3-methylphenol	59-50-7	240 or MDL	U	1600	U	80	U	320	U	320
2-Methylnaphthalene	91-57-6	36,400	1,600	--	120	80	U	320	U	320
Hexachlorocyclopentadiene	77-47-4	*	U	1600	U	80	U	320	U	320
2,4,5-Trichlorophenol	95-95-4	*	U	1600	U	80	U	320	U	320
2,4,6-Trichlorophenol	88-06-2	1,000	U	1600	U	80	U	320	U	320
2-Chloronaphthalene	91-58-7	*	U	1600	U	80	U	320	U	320
2-Nitroaniline	88-74-4	430 or MDL	U	1600	U	80	U	320	U	320
Acenaphthylene	208-96-8	41,000	U	1600	120	80	U	320	U	320
Dimethyl Phthalate	131-11-3	2,000	U	1600	U	80	U	320	U	320
2,6-Dinitrotoluene	606-20-2	1,000	U	1600	U	80	U	320	U	320

Table 12: Semivolatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8270

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW4 [0'-2'] Soil ug/kg Dilution 1		MW4 [13'-15'] Soil ug/kg Dilution 1		MW5 [0'-2'] Soil ug/kg Dilution 1		MW5 [4'-6'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Acenaphthene	83-32-9	50,000	6,100	--	360	--	460	--	1,200	--
3-Nitroaniline	99-09-2	0.5 or MDL	U	1600	U	80	U	320	U	320
2,4-Dinitrophenol	51-28-5	200 or MDL	U	2800	U	140	U	560	U	560
Dibenzofuran	132-64-9	6,200	2,800	--	220	--	U	320	640	320
2,4-Dinitrotoluene	121-14-2	1,000	U	1600	U	80	U	320	U	320
4-Nitrophenol	100-02-7	100 or MDL	U	--	U	100	U	400	U	400
Fluorene	86-73-7	50,000	5,300	--	380	--	450	--	1,200	--
4-Chlorophenyl phenyl ether	7005-72-3	*	U	1600	U	80	U	320	U	320
Azobenzene	103-33-3	*	U	1600	U	80	U	320	U	320
Diethyl Phthalate	84-66-2	7,100	U	1600	U	80	U	320	U	320
4-Nitroaniline	100-01-6	*	U	2000	U	100	U	400	U	400
4,6-Dinitro-2-methylphenol	534-52-1	*	U	1600	U	80	U	320	U	320
N-Nitrosodiphenylamine	86-30-6	*	U	1600	U	80	U	320	U	320
4-Bromophenyl phenyl ether	101-55-3	*	U	1600	U	80	U	320	U	320
Hexachlorobenzene	118-74-1	410	U	1600	U	80	U	320	U	320
Pentachlorophenol	87-86-5	1,000 or MDL	U	2400	U	120	U	480	U	480
Phenanthrene	85-01-8	50,000	79,000	--	6,100	--	7,300	--	15,000	--
Anthracene	120-12-7	50,000	9,200	--	830	--	1,400	--	3,300	--
Carbazole	86-74-8	*	6,200	--	590	--	540	--	1000	--
Di-n-butyl Phthalate	84-74-2	8,100	U	1600	U	80	U	320	U	320
Fluoranthene	206-44-0	50,000	86,000	--	7,100	--	11,000	--	20,000	--
Benzidine	92-87-5	*	U	1600	U	80	U	320	U	320
Pyrene	129-00-0	50,000	76,000	--	5,900	--	10,000	--	18,000	--
Butyl benzyl Phthalate	85-68-7	50,000	U	1600	U	80	U	320	U	320
3,3'-Dichlorobenzidine	91-94-1	n/a	U	1600	U	80	U	320	U	320
Benzo(a)anthracene	56-55-3	224 or MDL	30,000	--	2,600	--	5,400	--	9,200	--
Chrysene	218-01-9	400	38,000	--	3,200	--	5,300	--	9,000	--
Bis(2-ethylhexyl)Phthalate	117-81-7	50,000	U	1600	U	80	350	--	430	--
Di-n-octyl Phthalate	117-84-0	50,000	U	1600	U	80	U	320	U	320
Benzo(b)fluoranthene	205-99-2	1,100	40,000	--	3,400	--	4,700	--	10,000	--
Benzo(k)fluoranthene	207-08-9	1,100	14,000	--	1,400	--	4,100	--	3,400	--
Benzo(a)pyrene	50-32-8	61 or MDL	31,000	--	2,600	--	5,000	--	8,200	--
Indeno(1,2,3-c,d)pyrene	193-39-5	3,200	20,000	--	1,900	--	3,200	--	4,900	--
Dibenzo(a,h)anthracene	53-70-3	14 or MDL	5,500	--	490	--	820	--	1,400	--
Benzo(g,h,i)perylene	191-24-2	50,000	22,000	--	2,000	--	3,400	--	5,000	--
TOTAL SVOCs			474,700		39,630		63,420		111,870	

*** Not Applicable.**
**** No Standard Exists. Value is a Guidance Value.**
NA Not Analyzed

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW6 Groundwater mg/L Dilution		MW6 (Dissolved) Groundwater mg/L Dilution		MW7 Groundwater mg/L Dilution		MW7 (Dissolved) Groundwater mg/L Dilution		MW8 Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.104	0.0200	0.0562	0.0200	1.68	0.0200	1.69	0.0200	0.334	0.0200
Antimony, Sb	7440-36-0	**.003	0.0836	0.0250	U	0.0250	0.0548	0.0250	U	0.0250	0.0443	0.0250
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Barium, Ba	7440-39-3	1	0.218	0.0200	0.146	0.0200	0.132	0.0200	0.14	0.0200	0.486	0.0200
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100
Calcium, Ca	7440-70-2	*	146	0.0200	160	0.0200	39.2	0.0200	41.9	0.0200	168	0.0200
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cobalt, Co	7440-48-4	*	0.013	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Copper, Cu	7440-50-8	0.2	0.015	0.0200	U	0.0200	0.019	0.0200	0.0052	0.0200	0.010	0.0200
Iron, Fe	7439-89-6	0.3	29.2	0.0200	0.843	0.0200	0.497	0.0200	0.157	0.0200	0.106	0.0200
Lead, Pb	7439-92-1	0.025	U	0.0150	U	0.0150	0.0197	0.0150	0.0091	0.0150	U	0.0150
Magnesium, Mg	7439-95-4	**35	7.07	0.0200	7.73	0.0200	0.166	0.0200	0.0633	0.0200	495	0.0200
Manganese, Mn	7439-96-5	0.3	0.558	0.0200	0.537	0.0200	0.0082	0.0200	U	0.0200	0.018	0.0200
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Nickel, Ni	7440-02-0	*	0.0054	0.0200	U	0.0200	0.0058	0.0200	0.0048	0.0200	U	0.0200
Potassium, K	9/7/7440	*	15.5	0.0700	18.1	0.0700	100	0.0700	114	0.0700	349	0.0700
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Sodium, Na	7440-23-5	20	21.7	0.0300	17.1	0.0300	110	0.0300	116	0.0300	509	0.0300
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	0.0190	0.0150	U	0.0150	U	0.0150
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	0.0083	0.0200	0.0081	0.0200	U	0.0200
Zinc, Zn	7440-66-6	0.3	0.0516	0.020	0.0071	0.0200	0.0392	0.0200	0.0062	0.0200	0.0520	0.0200

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW8 (Dissolved) Groundwater mg/L Dilution		MW9 Groundwater mg/L Dilution		MW9 (Dissolved) Groundwater mg/L Dilution		MW10 Groundwater mg/L Dilution		MW10 (Dissolved) Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.0575	0.0200	0.582	0.0200	0.0727	0.0200	0.204	0.0200	0.0417	0.0200
Antimony, Sb	7440-36-0	**.003	U	0.0250	0.0272	0.0250	U	0.0250	0.018	0.0250	U	0.0250
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Barium, Ba	7440-39-3	1	0.468	0.0200	0.23	0.0200	0.235	0.0200	0.13	0.0200	0.112	0.0200
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100
Calcium, Ca	7440-70-2	*	167	0.0200	223	0.0200	252	0.0200	266	0.0200	304	0.0200
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cobalt, Co	7440-48-4	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Copper, Cu	7440-50-8	0.2	U	0.0200	0.015	0.0200	U	0.0200	0.013	0.0200	U	0.0200
Iron, Fe	7439-89-6	0.3	0.0448	0.0200	3.83	0.0200	0.695	0.0200	6.98	0.0200	0.399	0.0200
Lead, Pb	7439-92-1	0.025	U	0.0150	0.0173	0.0150	U	0.0150	0.010	0.0150	U	0.0150
Magnesium, Mg	7439-95-4	**35	505	0.0200	38.7	0.0200	42.2	0.0200	52.2	0.0200	58.1	0.0200
Manganese, Mn	7439-96-5	0.3	0.018	0.0200	0.848	0.0200	0.939	0.0200	6.12	0.0200	6.80	0.0200
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Nickel, Ni	7440-02-0	*	U	0.0200	0.0045	0.0200	U	0.0200	U	0.0200	U	0.0200
Potassium, K	9/7/7440	*	368	0.0700	38.8	0.0700	45.8	0.0700	42.1	0.0700	51.0	0.0700
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Sodium, Na	7440-23-5	20	517	0.0300	101	0.0300	102	0.0300	109	0.0300	112	0.0300
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	U	0.0150	U	0.0150	U	0.0150
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Zinc, Zn	7440-66-6	0.3	0.0270	0.0200	0.146	0.0200	0.101	0.0200	0.0829	0.0200	0.0051	0.0200

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW11 Groundwater mg/L Dilution		MW11 (Dissolved) Groundwater mg/L Dilution		MW12 Groundwater mg/L Dilution		MW12 (Dissolved) Groundwater mg/L Dilution		MW13 Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.110	0.0200	0.0665	0.0200	0.211	0.0200	0.0417	0.0200	0.164	0.0200
Antimony, Sb	7440-36-0	**.003	U	0.0250	U	0.0250	U	0.0250	U	0.0250	0.022	0.0250
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Barium, Ba	7440-39-3	1	0.496	0.0200	0.0499	0.0200	0.277	0.0200	0.24	0.0200	0.0681	0.0200
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100
Calcium, Ca	7440-70-2	*	113	0.0200	123	0.0200	113	0.0200	127	0.0200	345	0.0200
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cobalt, Co	7440-48-4	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Copper, Cu	7440-50-8	0.2	0.0098	0.0200	U	0.0200	0.012	0.0200	U	0.0200	0.011	0.0200
Iron, Fe	7439-89-6	0.3	0.153	0.0200	0.0584	0.0200	9.42	0.0200	0.395	0.0200	3.05	0.0200
Lead, Pb	7439-92-1	0.025	U	0.0150	U	0.0150	0.0236	0.0150	U	0.0150	U	0.0150
Magnesium, Mg	7439-95-4	**35	33.8	0.0200	36.7	0.0200	27.8	0.0200	31.2	0.0200	27.0	0.0200
Manganese, Mn	7439-96-5	0.3	0.184	0.0200	0.194	0.0200	1.93	0.0200	2.10	0.0200	0.752	0.0200
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Nickel, Ni	7440-02-0	*	0.0054	0.0200	0.0046	0.0200	U	0.0200	30.3	0.0200	0.0064	0.0200
Potassium, K	9/7/7440	*	7.10	0.0700	8.25	0.0700	24.3	0.0700	U	0.0700	22.1	0.0700
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Sodium, Na	7440-23-5	20	34.0	0.0300	32.1	0.0300	83.4	0.0300	88.7	0.0300	57.1	0.0300
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	U	0.0150	U	0.0150	U	0.0150
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Zinc, Zn	7440-66-6	0.3	0.0414	0.0200	0.018	0.0200	0.0538	0.0200	0.0056	0.0200	0.0292	0.0200

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW13 (Dissolved) Groundwater mg/L Dilution		MW14 Groundwater mg/L Dilution		MW14 (Dissolved) Groundwater mg/L Dilution		MW15 Groundwater mg/L Dilution		MW15 (Dissolved) Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.0573	0.0200	0.253	0.0200	0.0339	0.0200	0.253	0.0200	0.0403	0.0200
Antimony, Sb	7440-36-0	**.003	U	0.0250	0.024	0.0250	U	0.0250	U	0.0250	U	0.0250
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Barium, Ba	7440-39-3	1	0.0656	0.0200	0.214	0.0200	0.171	0.0200	0.137	0.0200	0.142	0.0200
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100
Calcium, Ca	7440-70-2	*	381	0.0200	92.8	0.0200	101	0.0200	115	0.0200	130	0.0200
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Cobalt, Co	7440-48-4	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Copper, Cu	7440-50-8	0.2	U	0.0200	0.0091	0.0200	U	0.0200	0.0064	0.0200	U	0.0200
Iron, Fe	7439-89-6	0.3	0.332	0.0200	19.3	0.0200	1.55	0.0200	3.6	0.0200	1.09	0.0200
Lead, Pb	7439-92-1	0.025	U	0.0150	0.010	0.0150	U	0.0150	0.0093	0.0150	U	0.0150
Magnesium, Mg	7439-95-4	**35	29.4	0.0200	14.3	0.0200	12.3	0.0200	25.3	0.0200	28.7	0.0200
Manganese, Mn	7439-96-5	0.3	0.814	0.0200	2.69	0.0200	2.76	0.0200	0.838	0.0200	0.924	0.0200
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200
Nickel, Ni	7440-02-0	*	U	0.0200	0.0048	0.0200	U	0.0200	0.0091	0.0200	U	0.0200
Potassium, K	9/7/7440	*	24.9	0.0700	13.9	0.0700	14.1	0.0700	6.20	0.0700	7.43	0.0700
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0250
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Sodium, Na	7440-23-5	20	55.4	0.0300	75.9	0.0300	56.1	0.0300	29.9	0.0300	28.7	0.0300
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	U	0.0150	U	0.0150	U	0.0150
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	U	0.0200
Zinc, Zn	7440-66-6	0.3	0.014	0.0200	0.0422	0.0200	0.012	0.0200	0.0393	0.0200	0.014	0.0200

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	MW16 Groundwater mg/L Dilution		MW16 (Dissolved) Groundwater mg/L Dilution		FOUND WELL Groundwater mg/L Dilution		FOUND WELL(Dissolved) Groundwater mg/L Dilution		TRIP BLANK Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	0.139	0.0200	0.0377	0.0200	U	0.0200	0.0421	0.0200	NA	NA
Antimony, Sb	7440-36-0	**.003	U	0.0250	U	0.0250	0.0947	0.0250	U	0.0250	NA	NA
Arsenic, As	7440-38-2	0.025	U	0.0250	U	0.0250	U	0.0250	U	0.0250	NA	NA
Barium, Ba	7440-39-3	1	0.162	0.0200	0.143	0.0200	0.142	0.0200	0.141	0.0200	NA	NA
Beryllium, Be	7440-41-7	**0.003	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Cadmium, Cd	7440-43-9	0.01	U	0.0100	U	0.0100	U	0.0100	U	0.0100	NA	NA
Calcium, Ca	7440-70-2	*	158	0.0200	176	0.0200	101	0.0200	110	0.0200	NA	NA
Chromium, Cr	7440-47-3	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Cobalt, Co	7440-48-4	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Copper, Cu	7440-50-8	0.2	U	0.0200	U	0.0200	0.0076	0.0200	U	0.0200	NA	NA
Iron, Fe	7439-89-6	0.3	12.2	0.0200	0.404	0.0200	3.15	0.0200	0.565	0.0200	NA	NA
Lead, Pb	7439-92-1	0.025	U	0.0150	U	0.0150	U	0.0150	U	0.0150	NA	NA
Magnesium, Mg	7439-95-4	**35	54.2	0.0200	60.7	0.0200	34.1	0.0200	37.5	0.0200	NA	NA
Manganese, Mn	7439-96-5	0.3	0.494	0.0200	0.476	0.0200	0.806	0.0200	0.851	0.0200	NA	NA
Mercury, Hg	7439-97-6	0.002	U	0.200	U	0.200	U	0.200	U	0.200	NA	NA
Nickel, Ni	7440-02-0	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Potassium, K	9/7/7440	*	23.4	0.0700	28.2	0.0700	17	0.0700	20.5	0.0700	NA	NA
Selenium, Se	7782-49-2	0.01	U	0.0250	U	0.0250	U	0.0250	U	0.0250	NA	NA
Silver, Ag	7440-22-4	0.05	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Sodium, Na	7440-23-5	20	77.9	0.0300	80.2	0.0300	89.3	0.0300	95.6	0.0300	NA	NA
Thallium, Tl	7440-28-0	**.004	U	0.0150	U	0.0150	U	0.0150	U	0.0150	NA	NA
Vanadium, V	7440-62-2	*	U	0.0200	U	0.0200	U	0.0200	U	0.0200	NA	NA
Zinc, Zn	7440-66-6	0.3	0.0336	0.0200	0.0049	0.0200	0.0339	0.0200	0.019	0.0200	NA	NA

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 10: TAL Metals in Groundwater Samples
Laboratory Method: EPA Method 6010/7470

PARAMETER	CAS No.	Class GA Ambient Water Qual. Standards mg/L	TRIP BLANK (Dissolved) Groundwater mg/L Dilution		FIELD BLANK Groundwater mg/L Dilution		FIELD BLANK (Dissolved) Groundwater mg/L Dilution	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Aluminum, Al	7429-90-5	*	NA	NA	U	0.0200	NA	NA
Antimony, Sb	7440-36-0	**.003	NA	NA	0.018	0.0250	NA	NA
Arsenic, As	7440-38-2	0.025	NA	NA	U	0.0250	NA	NA
Barium, Ba	7440-39-3	1	NA	NA	U	0.0200	NA	NA
Beryllium, Be	7440-41-7	**0.003	NA	NA	U	0.0200	NA	NA
Cadmium, Cd	7440-43-9	0.01	NA	NA	U	0.0100	NA	NA
Calcium, Ca	7440-70-2	*	NA	NA	0.128	0.0200	NA	NA
Chromium, Cr	7440-47-3	0.05	NA	NA	U	0.0200	NA	NA
Cobalt, Co	7440-48-4	*	NA	NA	U	0.0200	NA	NA
Copper, Cu	7440-50-8	0.2	NA	NA	U	0.0200	NA	NA
Iron, Fe	7439-89-6	0.3	NA	NA	U	0.0200	NA	NA
Lead, Pb	7439-92-1	0.025	NA	NA	U	0.0150	NA	NA
Magnesium, Mg	7439-95-4	**35	NA	NA	U	0.0200	NA	NA
Manganese, Mn	7439-96-5	0.3	NA	NA	U	0.0200	NA	NA
Mercury, Hg	7439-97-6	0.002	NA	NA	U	0.200	NA	NA
Nickel, Ni	7440-02-0	*	NA	NA	U	0.0200	NA	NA
Potassium, K	9/7/7440	*	NA	NA	0.026	0.0700	NA	NA
Selenium, Se	7782-49-2	0.01	NA	NA	U	0.0250	NA	NA
Silver, Ag	7440-22-4	0.05	NA	NA	U	0.0200	NA	NA
Sodium, Na	7440-23-5	20	NA	NA	0.479	0.0300	NA	NA
Thallium, Tl	7440-28-0	**.004	NA	NA	U	0.0150	NA	NA
Vanadium, V	7440-62-2	*	NA	NA	U	0.0200	NA	NA
Zinc, Zn	7440-66-6	0.3	NA	NA	U	0.0200	NA	NA

SB Site Background.
*** Not Applicable**
**** No Standard Exists. Value is a Guidance Value.**

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B6 [0.5'-2'] Soil ug/kg Dilution 1		B6 [6'-7'] Soil ug/kg Dilution 1		B7 [9.5'-10.0'] Soil ug/kg Dilution 1		B7R2 [5.5'-6.0'] Soil ug/kg Dilution 1		B8 [0.5-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B6 [0.5'-2'] Soil ug/kg Dilution 1		B6 [6'-7'] Soil ug/kg Dilution 1		B7 [9.5'-10.0'] Soil ug/kg Dilution 1		B7R2 [5.5'-6.0'] Soil ug/kg Dilution 1		B8 [0.5-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		ND		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B8 [8'-10'] Soil ug/kg Dilution 1		B9 [14"-25 "] Soil ug/kg Dilution 1		B9 [5'-6'] Soil ug/kg Dilution 1		B10 [5'-7'] Soil ug/kg Dilution 1		B10 [9'-10'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	2	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B8 [8'-10'] Soil ug/kg Dilution 1		B9 [14"-25 "] Soil ug/kg Dilution 1		B9 [5'-6'] Soil ug/kg Dilution 1		B10 [5'-7'] Soil ug/kg Dilution 1		B10 [9'-10'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	6.2	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			6.2		2		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B11 [1'-3'] Soil ug/kg Dilution 1		B11 [7'-9'] Soil ug/kg Dilution 1		B12 [0.5-2'] Soil ug/kg Dilution 1		B12 [5'-7'] Soil ug/kg Dilution 1		B13 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	3	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U		U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	4	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	10	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B11 [1'-3'] Soil ug/kg Dilution 1		B11 [7'-9'] Soil ug/kg Dilution 1		B12 [0.5-2'] Soil ug/kg Dilution 1		B12 [5'-7'] Soil ug/kg Dilution 1		B13 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	110	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	3	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	11	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	6.8	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			147.8		ND		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B13 [5'-7'] Soil ug/kg Dilution 1		B14 [2'-3.5'] Soil ug/kg Dilution 1		B14 [6'-8'] Soil ug/kg Dilution 1		B15 [8.0'-9.0'] Soil ug/kg Dilution 1		B15 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	44	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	B13 [5'-7'] Soil ug/kg Dilution 1		B14 [2'-3.5'] Soil ug/kg Dilution 1		B14 [6'-8'] Soil ug/kg Dilution 1		B15 [8.0'-9.0'] Soil ug/kg Dilution 1		B15 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	3	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		3		ND		44		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW6 [0.5'-2'] Soil ug/kg Dilution 1		MW6 [6'-7'] Soil ug/kg Dilution 1		MW7 [10'-11'] Soil ug/kg Dilution 1		MW7 [6.5-7.5'] Soil ug/kg Dilution 1		MW8 [2'-4'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	64	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW6 [0.5'-2'] Soil ug/kg Dilution 1		MW6 [6'-7'] Soil ug/kg Dilution 1		MW7 [10'-11'] Soil ug/kg Dilution 1		MW7 [6.5-7.5'] Soil ug/kg Dilution 1		MW8 [2'-4'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		ND		64		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW8 [5'-6.5'] Soil ug/kg Dilution 1		MW9 [1.5'-3.5'] Soil ug/kg Dilution 1		MW9 [5'-6'] Soil ug/kg Dilution 1		MW10 [0.5'-2'] Soil ug/kg Dilution 1		MW10 [5'-7'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW8 [5'-6.5'] Soil ug/kg Dilution 1		MW9 [1.5'-3.5'] Soil ug/kg Dilution 1		MW9 [5'-6'] Soil ug/kg Dilution 1		MW10 [0.5'-2'] Soil ug/kg Dilution 1		MW10 [5'-7'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		ND		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW11 [0.5'-2'] Soil ug/kg Dilution 1		MW11 [7'-9'] Soil ug/kg Dilution 1		MW-12 [0.5'-2'] Soil ug/kg Dilution 1		MW12 [4.5'-5.5'] Soil ug/kg Dilution 1		MW13 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	U	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW11 [0.5'-2'] Soil ug/kg Dilution 1		MW11 [7'-9'] Soil ug/kg Dilution 1		MW-12 [0.5'-2'] Soil ug/kg Dilution 1		MW12 [4.5'-5.5'] Soil ug/kg Dilution 1		MW13 [0.5'-2'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		ND		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW13 [5'-7'] Soil ug/kg Dilution 1		MW14 [3'-4'] Soil ug/kg Dilution 1		MW14 [6'-8'] Soil ug/kg Dilution 1		MW15 [0.5'-2'] Soil ug/kg Dilution 1		MW15 [6'-8'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	5	U	5	U	5
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	5	U	5	U	5
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	5	U	5	U	5
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	5	U	5	U	5
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	5	U	5	U	5
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	5	U	5	U	5
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	5	U	5	U	5
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	5	U	5	U	5
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	5	U	5	U	5
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	5	U	5	U	5
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	5	U	5	U	5
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	5	U	5	U	5
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	5	U	5	U	5
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	5	U	5	U	5
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	5	U	5	U	5
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	5	U	5	U	5
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	5	U	5	U	5
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	5	U	5	U	5
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	5	U	5	U	5
2-Butanone	78-93-3	300	U	5	U	5	U	5	U	5	U	5
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	5	U	5	U	5
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	5	U	5	U	5
2-Hexanone	591-78-6	*	U	5	U	5	U	5	U	5	U	5
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	5	U	5	U	5
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	5	U	5	U	5
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	5	U	5	U	5
Acetone	67-64-1	200	U	5	49	5	U	5	U	5	U	5
Acrolein	107-02-8	*	U	25	U	25	U	25	U	25	U	25
Acrylonitrile	107-13-1	*	U	5	U	5	U	5	U	5	U	5
Benzene	71-43-2	60	U	5	U	5	U	5	U	5	U	5
Bromobenzene	108-86-1	*	U	5	U	5	U	5	U	5	U	5
Bromochloromethane	74-97-5	*	U	5	U	5	U	5	U	5	U	5
Bromodichloromethane	75-27-4	*	U	5	U	5	U	5	U	5	U	5
Bromoform	75-25-2	*	U	5	U	5	U	5	U	5	U	5
Bromomethane	74-83-9	*	U	5	U	5	U	5	U	5	U	5
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	5	U	5	U	5

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW13 [5'-7'] Soil ug/kg Dilution 1		MW14 [3'-4'] Soil ug/kg Dilution 1		MW14 [6'-8'] Soil ug/kg Dilution 1		MW15 [0.5'-2'] Soil ug/kg Dilution 1		MW15 [6'-8'] Soil ug/kg Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	5	U	5	U	5
Chlorobenzene	108-90-7	1700	U	5	U	5	U	5	U	5	U	5
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	5	U	5	U	5
Chloroethane	75-00-3	1900	U	5	U	5	U	5	U	5	U	5
Chloroform	67-66-3	300	U	5	U	5	U	5	U	5	U	5
Chloromethane	74-87-3	*	U	5	U	5	U	5	U	5	U	5
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	5	U	5	U	5
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	5	U	5	U	5
Dibromochloromethane	124-48-1	*	U	5	U	5	U	5	U	5	U	5
Dibromomethane	74-95-3	*	U	5	U	5	U	5	U	5	U	5
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	5	U	5	U	5
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	5	U	5	U	5
Ethanol	64-17-5	*	U	5	U	5	U	5	U	5	U	5
Ethyl acetate	141-78-6	*	U	5	U	5	U	5	U	5	U	5
Ethylbenzene	100-41-4	5500	U	5	U	5	U	5	U	5	U	5
Freon-114	76-14-2	*	U	5	U	5	U	5	U	5	U	5
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	5	U	5	U	5
Isopropyl acetate	108-21-4	*	U	5	U	5	U	5	U	5	U	5
Isopropylbenzene	98-82-8	*	U	5	U	5	U	5	U	5	U	5
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	10	U	10	U	10
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	5	U	5	U	5
Methylene Chloride	75-09-2	100	U	5	U	5	U	5	U	5	U	5
Naphthalene	91-20-3	*	U	5	U	5	U	5	U	5	U	5
n-Butyl acetate	123-86-4	*	U	5	U	5	U	5	U	5	U	5
n-Butylbenzene	104-51-8	*	U	5	U	5	U	5	U	5	U	5
n-Propyl acetate	109-60-4	*	U	5	U	5	U	5	U	5	U	5
n-Propylbenzene	103-65-1	*	U	5	U	5	U	5	U	5	U	5
o-Xylene	95-47-6	1200	U	5	U	5	U	5	U	5	U	5
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	5	U	5	U	5
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	5	U	5	U	5
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	5	U	5	U	5
Styrene	100-42-5	*	U	5	U	5	U	5	U	5	U	5
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	5	U	5	U	5
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	5	U	5	U	5
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	5	U	5	U	5
Toluene	108-88-3	1500	U	5	U	5	U	5	U	5	U	5
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	5	U	5	U	5
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	5	U	5	U	5
Trichloroethene	79-01-6	700	U	5	U	5	U	5	U	5	U	5
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Acetate	108-05-4	*	U	5	U	5	U	5	U	5	U	5
Vinyl Chloride	75-01-4	200	U	5	U	5	U	5	U	5	U	5
TOTAL VOCs			ND		49		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW16 [0.5'-2'] Soil ug/kg Dilution 1		MW16 [8.5'-9.5'] Soil ug/kg Dilution 1		Trip Blank #1 Groundwater ug/L Dilution 1		Field Blank #1 Groundwater ug/L Dilution 1		Field Blank #2 Groundwater ug/L Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	5	U	5	U	1	U	1	U	1
1,1,1-Trichloroethane	71-55-6	800	U	5	U	5	U	1	U	1	U	1
1,1,2,2-Tetrachloroethane	79-34-5	600	U	5	U	5	U	1	U	1	U	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	5	U	5	U	1	U	1	U	1
1,1,2-Trichloroethane	79-00-5	*	U	5	U	5	U	1	U	1	U	1
1,1-Dichloroethane	75-34-3	200	U	5	U	5	U	1	U	1	U	1
1,1-Dichloroethene	75-35-4	400	U	5	U	5	U	1	U	1	U	1
1,1-Dichloropropene	563-58-6	*	U	5	U	5	U	1	U	1	U	1
1,2,3-Trichlorobenzene	87-61-6	*	U	5	U	5	U	1	U	1	U	1
1,2,3-Trichloropropane	96-18-4	400	U	5	U	5	U	1	U	1	U	1
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	5	U	5	U	1	U	1	U	1
1,2,4-Trichlorobenzene	120-82-1	3400	U	5	U	5	U	1	U	1	U	1
1,2,4-Trimethylbenzene	95-63-6	*	U	5	U	5	U	1	U	1	U	1
1,2-Dibromo-3-chloropropane	96-12-8	*	U	5	U	5	U	1	U	1	U	1
1,2-Dibromoethane	106-93-4	*	U	5	U	5	U	1	U	1	U	1
1,2-Dichlorobenzene	95-50-1	7900	U	5	U	5	U	1	U	1	U	1
1,2-Dichloroethane	107-06-2	100	U	5	U	5	U	1	U	1	U	1
1,2-Dichloropropane	78-87-5	*	U	5	U	5	U	1	U	1	U	1
1,3,5-Trimethylbenzene	108-67-8	*	U	5	U	5	U	1	U	1	U	1
1,3-Dichlorobenzene	541-73-1	1600	U	5	U	5	U	1	U	1	U	1
1,3-Dichloropropane	142-28-9	300	U	5	U	5	U	1	U	1	U	1
1,4-Dichlorobenzene	106-46-7	8500	U	5	U	5	U	1	U	1	U	1
2,2-Dichloropropane	594-20-7	*	U	5	U	5	U	1	U	1	U	1
2-Butanone	78-93-3	300	U	5	U	5	U	1	U	1	U	1
2-Chloroethyl vinyl ether	110-75-8	*	U	5	U	5	U	1	U	1	U	1
2-Chlorotoluene	95-49-8	*	U	5	U	5	U	1	U	1	U	1
2-Hexanone	591-78-6	*	U	5	U	5	U	1	U	1	U	1
4-Chlorotoluene	106-43-4	*	U	5	U	5	U	1	U	1	U	1
4-Isopropyltoluene	99-87-6	*	U	5	U	5	U	1	U	1	U	1
4-Methyl-2-Pentanone	108-10-1	1000	U	5	U	5	U	1	U	1	U	1
Acetone	67-64-1	200	U	5	55	5	U	1	U	1	U	1
Acrolein	107-02-8	*	U	25	U	25	U	1	U	1	U	1
Acrylonitrile	107-13-1	*	U	5	U	5	U	1	U	1	U	1
Benzene	71-43-2	60	U	5	U	5	U	1	U	1	U	1
Bromobenzene	108-86-1	*	U	5	U	5	U	1	U	1	U	1
Bromochloromethane	74-97-5	*	U	5	U	5	U	1	U	1	U	1
Bromodichloromethane	75-27-4	*	U	5	U	5	U	1	U	1	U	1
Bromoform	75-25-2	*	U	5	U	5	U	1	U	1	U	1
Bromomethane	74-83-9	*	U	5	U	5	U	1	U	1	U	1
Carbon Disulfide	75-15-0	2700	U	5	U	5	U	1	U	1	U	1

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	MW16 [0.5'-2'] Soil ug/kg Dilution 1		MW16 [8.5'-9.5'] Soil ug/kg Dilution 1		Trip Blank #1 Groundwater ug/L Dilution 1		Field Blank #1 Groundwater ug/L Dilution 1		Field Blank #2 Groundwater ug/L Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	5	U	5	U	1	U	1	U	1
Chlorobenzene	108-90-7	1700	U	5	U	5	U	1	U	1	U	1
Chlorodifluoromethane	75-45-6	*	U	5	U	5	U	1	U	1	U	1
Chloroethane	75-00-3	1900	U	5	U	5	U	1	U	1	U	1
Chloroform	67-66-3	300	U	5	U	5	U	1	U	1	U	1
Chloromethane	74-87-3	*	U	5	U	5	U	1	U	1	U	1
cis-1,2-Dichloroethene	156-59-2	*	U	5	U	5	U	1	U	1	U	1
cis-1,3-Dichloropropene	10061-01-5	*	U	5	U	5	U	1	U	1	U	1
Dibromochloromethane	124-48-1	*	U	5	U	5	U	1	U	1	U	1
Dibromomethane	74-95-3	*	U	5	U	5	U	1	U	1	U	1
Dichlorodifluoromethane	75-71-8	*	U	5	U	5	U	1	U	1	U	1
Diisopropyl ehter	108-20-3	*	U	5	U	5	U	1	U	1	U	1
Ethanol	64-17-5	*	U	5	U	5	U	1	U	1	U	1
Ethyl acetate	141-78-6	*	U	5	U	5	U	1	U	1	U	1
Ethylbenzene	100-41-4	5500	U	5	U	5	U	1	U	1	U	1
Freon-114	76-14-2	*	U	5	U	5	U	1	U	1	U	1
Hexachlorobutadiene	87-68-3	*	U	5	U	5	U	1	U	1	U	1
Isopropyl acetate	108-21-4	*	U	5	U	5	U	1	U	1	U	1
Isopropylbenzene	98-82-8	*	U	5	U	5	U	1	U	1	U	1
m+p Xylene	108-38-3/106-42-3	1200	U	10	U	10	U	2	U	2	U	2
Methyl tert-butyl ether	1634-04-4	*	U	5	U	5	U	1	U	1	U	1
Methylene Chloride	75-09-2	100	U	5	U	5	U	1	U	1	U	1
Naphthalene	91-20-3	*	U	5	U	5	U	1	U	1	U	1
n-Butyl acetate	123-86-4	*	U	5	U	5	U	1	U	1	U	1
n-Butylbenzene	104-51-8	*	U	5	U	5	U	1	U	1	U	1
n-Propyl acetate	109-60-4	*	U	5	U	5	U	1	U	1	U	1
n-Propylbenzene	103-65-1	*	U	5	U	5	U	1	U	1	U	1
o-Xylene	95-47-6	1200	U	5	U	5	U	1	U	1	U	1
p-Diethylbenzene	105-05-5	*	U	5	U	5	U	1	U	1	U	1
p-Ethyltoluene	622-96-8	*	U	5	U	5	U	1	U	1	U	1
sec-Butylbenzene	135-98-8	*	U	5	U	5	U	1	U	1	U	1
Styrene	100-42-5	*	U	5	U	5	U	1	U	1	U	1
t-Butyl alcohol	75-65-0	*	U	5	U	5	U	1	U	1	U	1
tert-Butylbenzene	98-06-6	*	U	5	U	5	U	1	U	1	U	1
Tetrachloroethene	127-18-4	1400	U	5	U	5	U	1	U	1	U	1
Toluene	108-88-3	1500	U	5	U	5	U	1	U	1	U	1
trans-1,2-Dichloroethene	156-60-5	300	U	5	U	5	U	1	U	1	U	1
trans-1,3-Dichloropropene	10061-02-6	*	U	5	U	5	U	1	U	1	U	1
Trichloroethene	79-01-6	700	U	5	U	5	U	1	U	1	U	1
Trichlorofluoromethane	75-69-4	*	U	5	U	5	U	1	U	1	U	1
Vinyl Acetate	108-05-4	*	U	5	U	5	U	1	U	1	U	1
Vinyl Chloride	75-01-4	200	U	5	U	5	U	1	U	1	U	1
TOTAL VOCs			ND		55		ND		ND		ND	

*** Not Applicable.**
ND Not Detected

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	Field Blank #3 Groundwater ug/L Dilution 1		Trip Blank #2 Groundwater ug/L Dilution 1		Trip Blank #3 Groundwater ug/L Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
1,1,1,2-Tetrachloroethane	630-20-6	*	U	1	U	1	U	1
1,1,1-Trichloroethane	71-55-6	800	U	1	U	1	U	1
1,1,2,2-Tetrachloroethane	79-34-5	600	U	1	U	1	U	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	*	U	1	U	1	U	1
1,1,2-Trichloroethane	79-00-5	*	U	1	U	1	U	1
1,1-Dichloroethane	75-34-3	200	U	1	U	1	U	1
1,1-Dichloroethene	75-35-4	400	U	1	U	1	U	1
1,1-Dichloropropene	563-58-6	*	U	1	U	1	U	1
1,2,3-Trichlorobenzene	87-61-6	*	U	1	U	1	U	1
1,2,3-Trichloropropane	96-18-4	400	U	1	U	1	U	1
1,2,4,5-Tetramethylbenzene	95-93-2	*	U	1	U	1	U	1
1,2,4-Trichlorobenzene	120-82-1	3400	U	1	U	1	U	1
1,2,4-Trimethylbenzene	95-63-6	*	U	1	U	1	U	1
1,2-Dibromo-3-chloropropane	96-12-8	*	U	1	U	1	U	1
1,2-Dibromoethane	106-93-4	*	U	1	U	1	U	1
1,2-Dichlorobenzene	95-50-1	7900	U	1	U	1	U	1
1,2-Dichloroethane	107-06-2	100	U	1	U	1	U	1
1,2-Dichloropropane	78-87-5	*	U	1	U	1	U	1
1,3,5-Trimethylbenzene	108-67-8	*	U	1	U	1	U	1
1,3-Dichlorobenzene	541-73-1	1600	U	1	U	1	U	1
1,3-Dichloropropane	142-28-9	300	U	1	U	1	U	1
1,4-Dichlorobenzene	106-46-7	8500	U	1	U	1	U	1
2,2-Dichloropropane	594-20-7	*	U	1	U	1	U	1
2-Butanone	78-93-3	300	U	1	U	1	U	1
2-Chloroethyl vinyl ether	110-75-8	*	U	1	U	1	U	1
2-Chlorotoluene	95-49-8	*	U	1	U	1	U	1
2-Hexanone	591-78-6	*	U	1	U	1	U	1
4-Chlorotoluene	106-43-4	*	U	1	U	1	U	1
4-Isopropyltoluene	99-87-6	*	U	1	U	1	U	1
4-Methyl-2-Pentanone	108-10-1	1000	U	1	U	1	U	1
Acetone	67-64-1	200	U	1	U	1	U	1
Acrolein	107-02-8	*	U	1	U	1	U	1
Acrylonitrile	107-13-1	*	U	1	U	1	U	1
Benzene	71-43-2	60	U	1	U	1	U	1
Bromobenzene	108-86-1	*	U	1	U	1	U	1
Bromochloromethane	74-97-5	*	U	1	U	1	U	1
Bromodichloromethane	75-27-4	*	U	1	U	1	U	1
Bromoform	75-25-2	*	U	1	U	1	U	1
Bromomethane	74-83-9	*	U	1	U	1	U	1
Carbon Disulfide	75-15-0	2700	U	1	U	1	U	1

Table 1: Volatile Organic Compounds in Soil Samples
Laboratory Method: EPA Method 8260

PARAMETER	CAS No.	TAGM 4046 Rec. Soil Cleanup Obj. ug/kg	Field Blank #3 Groundwater ug/L Dilution 1		Trip Blank #2 Groundwater ug/L Dilution 1		Trip Blank #3 Groundwater ug/L Dilution 1	
			Concentration	Detection Limit	Concentration	Detection Limit	Concentration	Detection Limit
Carbon Tetrachloride	56-23-5	600	U	1	U	1	U	1
Chlorobenzene	108-90-7	1700	U	1	U	1	U	1
Chlorodifluoromethane	75-45-6	*	U	1	U	1	U	1
Chloroethane	75-00-3	1900	U	1	U	1	U	1
Chloroform	67-66-3	300	U	1	U	1	U	1
Chloromethane	74-87-3	*	U	1	U	1	U	1
cis-1,2-Dichloroethene	156-59-2	*	U	1	U	1	U	1
cis-1,3-Dichloropropene	10061-01-5	*	U	1	U	1	U	1
Dibromochloromethane	124-48-1	*	U	1	U	1	U	1
Dibromomethane	74-95-3	*	U	1	U	1	U	1
Dichlorodifluoromethane	75-71-8	*	U	1	U	1	U	1
Diisopropyl ehter	108-20-3	*	U	1	U	1	U	1
Ethanol	64-17-5	*	U	1	U	1	U	1
Ethyl acetate	141-78-6	*	U	1	U	1	U	1
Ethylbenzene	100-41-4	5500	U	1	U	1	U	1
Freon-114	76-14-2	*	U	1	U	1	U	1
Hexachlorobutadiene	87-68-3	*	U	1	U	1	U	1
Isopropyl acetate	108-21-4	*	U	1	U	1	U	1
Isopropylbenzene	98-82-8	*	U	1	U	1	U	1
m+p Xylene	108-38-3/106-42-3	1200	U	2	U	2	U	2
Methyl tert-butyl ether	1634-04-4	*	U	1	U	1	U	1
Methylene Chloride	75-09-2	100	U	1	U	1	U	1
Naphthalene	91-20-3	*	U	1	U	1	U	1
n-Butyl acetate	123-86-4	*	U	1	U	1	U	1
n-Butylbenzene	104-51-8	*	U	1	U	1	U	1
n-Propyl acetate	109-60-4	*	U	1	U	1	U	1
n-Propylbenzene	103-65-1	*	U	1	U	1	U	1
o-Xylene	95-47-6	1200	U	1	U	1	U	1
p-Diethylbenzene	105-05-5	*	U	1	U	1	U	1
p-Ethyltoluene	622-96-8	*	U	1	U	1	U	1
sec-Butylbenzene	135-98-8	*	U	1	U	1	U	1
Styrene	100-42-5	*	U	1	U	1	U	1
t-Butyl alcohol	75-65-0	*	U	1	U	1	U	1
tert-Butylbenzene	98-06-6	*	U	1	U	1	U	1
Tetrachloroethene	127-18-4	1400	U	1	U	1	U	1
Toluene	108-88-3	1500	U	1	U	1	U	1
trans-1,2-Dichloroethene	156-60-5	300	U	1	U	1	U	1
trans-1,3-Dichloropropene	10061-02-6	*	U	1	U	1	U	1
Trichloroethene	79-01-6	700	U	1	U	1	U	1
Trichlorofluoromethane	75-69-4	*	U	1	U	1	U	1
Vinyl Acetate	108-05-4	*	U	1	U	1	U	1
Vinyl Chloride	75-01-4	200	U	1	U	1	U	1
TOTAL VOCs			ND		ND		ND	

*** Not Applicable.**
ND Not Detected

APPENDIX A
SOIL BORING AND WELL INSTALLATION LOGS

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B6

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 08:45	**Time: 09:05**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	32		0-6": ASPHALT.	ND	None	Dry	B6(0.5'-2')
1			6"-20": Dark brown/black SAND, little Silt. [FILL]				
			20"-26": Brown/black fine to medium SAND, some Silt. [FILL]	ND	None	Dry	
2			26"-29": Grey/brown SILT, trace Sand, trace Gravel, trace Clay [FILL]				
			29"-31": Grey/brown SAND and SILT, trace Clay, trace Wood [FILL]	ND	None	Dry	
3			31"-32": Grey/green ROCK fragments [FILL]				
				ND	None	Dry	
4							
				ND	None	Dry	
5							
	30		0-6": Grey/brown SAND and SILT, trace Clay, trace Wood. [FILL]	ND	None	Dry	B6(6'-7')
6			6-7.5": Grey/green ROCK fragments.				
			7.5-30": Grey/brown medium to fine SAND, trace Silt.	ND	None	Moist	
7							
				ND	None	Wet	
8							
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'.				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B6(0.5'-2') and B6(6'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of Boring at 10'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B7-R1

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:25	**Time: 14:40**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
1	36"		0-6": ASPHALT. 6"-30" Red BRICK [Fill]	ND	None	Dry	
2				ND	None	Dry	
3				ND	None	Dry	
4				ND	None	Dry	
5				ND	None	Dry	
6	12"		0"-11" Red BRICK [Fill] 11"-23" BRICK and CONCRETE with black Sand banding [Fill] 23"-24" CONCRETE [Fill]	ND	Strong Solvent-like odor	Dry	
7			7' Refusal				
8							
9							
10							
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

No samples collected for laboratory analysis.

End of Boring at 7' due to Refusal.

Fill may be part of historic structure.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B7-R2

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:40	**Time: 15:20**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
1	36"		0-6": ASPHALT 6"-30" Red BRICK [Fill]	ND	None	Dry	
2				ND	None	Dry	
3				ND	None	Dry	
4				ND	None	Dry	
5				ND	None	Dry	
6	30"		0-3" BRICK [Fill] 6"-9" Black/red SAND, trace Silt, trace rock and brick Gravel, trace Wood fragments [Fill] 9"-30" White CONCRETE [Fill]	ND	Mild Organic Odor	Dry	B7-R2(5.5'-6.0')
7				ND	None	Dry	
8				ND	None	Dry	
9				ND	None	Dry	
10				ND	None	Dry	
11	12"		0-6" BRICK [Slough] 6"-12 CONCRETE [Fill] End Boring at 10.5' [Refusal]			Wet*	
12							
13							
14							
15							

Notes: **ND - Not Detected**

Sample B7-R2(5.5'-6') was analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

Refusal at 10.5'

*Driller thinks moisture may not be groundwater, but may be liquified soil.

Fill may be part of historic structure.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B-7

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 09:00	**Time: 09:20**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
1	36"		0-18": ASPHALT and pulverized CONCRETE	ND	None	Dry	
			18"-36" BRICK [Fill]				
2				ND	None	Dry	
3				ND	None	Dry	
4				ND	None	Dry	
5				ND	None	Dry	
6	36"		0-12" BRICK [Fill]	3.4	Slight Creosote-like odor	Dry	
			12"-15" Brown and black WOOD [Fill]				
			15"-24" BRICK [Fill]	2.4	None	Moist	
7			24"-33" Weathered CONCRETE [Fill]			Dry	
				0.1	None	Moist	B-7(9.5-10)
8			33"-36" Dark grey SAND and GRAVEL [Fill]				
				ND	None	Dry	
9				ND	None	Dry	
10							
11	48"		0-6" Red BRICK (Slough) [Fill]	ND	None	Wet	
			6"-18 GRAVEL (Slag), some coarse Sand (Slag Fragments) [Fill]				
			18"-24" Dark grey SAND and SILT [Fill]	ND	None	Wet	
12			24"-25" BRICK [Fill]				
			25"-48" Light brown and grey fine SAND and SILT				
13							
14							
15			End of Boring at 15'				

Notes: **ND - Not Detected**

Sample B7(9.5'-10') was analyzed for TCL VOCs (Method 8260). Not enough sample material was available to sample for additional parameters.

End of boring at 15'
Groundwater apparent at 10'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B-8

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 10:33	**Time: 10:50**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt and Concrete	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-3": ASPHALT.	ND	None	Dry	
1			3"-6" Pulverized CONCRETE				
			6"-9" Black coarse to medium SAND (Coal) [Fill]	ND	None	Dry	
2			9"-21" Brown/grey SAND and SILT , trace Gravel (Brick and Coal) [Fill]				
	48"		21"-32" Black SAND, trace Gravel (Rock), trace Silt [Fill]	ND	None	Dry	B-8(0.5-2)
3			32"-40" White ROCK (1/2 inch slices) [Fill]				
			40"-48" Black SAND, little Silt, little Gravel (Slag and Coal) [Fill]	ND	None	Dry	
4							
				ND	None	Dry	
5							
			0-6" Black SAND, little Gravel (Rock, Silt, Slag, Metal, Red Brick), trace Silt [Fill]	ND	None	Moist	
6			6"-9" White ROCK [Fill]				
			9"-13" Brown and black SAND and GRAVEL (Slag, Wood, Coal], trace Silt) [Fill]	ND	None	Wet	
7			13"-24" Brown medium to fine SAND, little Silt				
	24"			ND	None	Wet	B-8(8-10)
8							
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'.				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B-8(0.5'-2') and B-8(8'-10') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.

Groundwater apparent at 10'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B-9

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 10:05	**Time: 10:30**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-8": ASPHALT.	ND	None	Dry	B-9(14'-2.5')
1			8"-14" Red BRICK				
			14"-48" Black SAND, some Gravel (Slag, Coal, Red Brick) little Silt [Fill]	1.4	None	Dry	
2			48"-54" Orange-brown fine SAND, trace Silt [Fill]				
			54"-60" Black SAND, some Gravel (Slag, Coal, Red Brick) little Silt [Fill]	0.2	None	Dry	
3				ND	None	Dry	
4				ND	None	Dry	
5							
	42"		0-12" Black SAND, some Gravel (Slag, Red Brick, Coal-some Coal pieces white on outside, black on inside) little Silt [Fill]	ND	None	Dry	B-9(5'-6')
6							
			12"-18" Orange/Grey SAND, trace Silt [Fill]	ND	None	Moist	
7			18"-30" Dark red and black fine to medium SAND, some Silt, little Coal and Wood fragments [Fill]	ND	None	Wet	
8			30"-42" Brown and black SAND and GRAVEL (Slag), trace Silt [Fill]				
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'.				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B6(0.5'-2') and B6(6'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B10

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 07:20	**Time: 08:00**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-3" ASPHALT	0.6	None	Dry	B10(5-7)
1			3"-6" Pulverized CONCRETE [Fill]				
			6"-18" Black-brown SAND, some rock Gravel, trace Silt [Fill]	0.3	None	Dry	
2			18"-42" Black SAND and SILT, little Gravel (Coal, Rock, Slag, Metal pieces, red Brick) [Fill]	ND	None	Dry	
3			42"-48" ASPHALT [Fill]				
			48"-60" Black SAND and SILT, little Gravel (Coal, Rock, Slag, Red Brick) [Fill]	0.2	None	Dry	
4							
5				0.3	None	Dry	
	48"		0-6" Black SAND and SILT, little Gravel (Coal, Rock, Slag, red Brick) [Fill]	1.2	Slight petroleum-like odor	Dry	B10(9-10)
6			6"-12" Brown SAND and GRAVEL (Coal and Slag) some Silt [Fill]				
			12"-24" Light brown SILT, some fine Sand [Fill]	0.3	None	Dry	
7			24"-48" GRAVEL (Slag and Coal), some coarse Sand (Slag) [Fill]				
8				0.3	None	Dry	
9				ND	None	Dry	
10				ND	None	Moist	
	54"		0-18" GRAVEL (Coal, Slag) some coarse Sand, trace Silt [Fill]	ND	None	Wet	
11							
				ND	Organic-like odor	Wet	
12			18-54" Grey-brown SILT and fine SAND, trace rock Gravel, trace Wood fragments [Fill]				
13							
14							
15			End of Boring at 15'				

Notes: **ND - Not Detected**

Samples B6(0.5'-2') and B6(6'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 15'.

Groundwater apparent at 11'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B11

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 10:55	**Time: 11:05**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-12" CONCRETE and ASPHALT	0.3	None	Dry	B11(1-3)
1			12"-60" Black SAND, little Gravel (Rock, Slag, Concrete) [Fill]				
				0.4	Slight petroleum-like odor	Dry	
2							
				3.5	None	Dry	
3							
				0.2	None	Dry	
4							
				0.3	None	Dry	
5							
	42"		0-12" Black/Grey SAND and GRAVEL (Slag), trace Silt [Fill]	0.5	None	Dry	B11(7-9)
6			12"-24" Light brown medium to fine SAND and SILT, trace Clay, trace Gravel (Brick) [Fill]				
			23"-30" Black SILT, trace Clay, trace coarse SAND (Coal), trace Wood pieces [Fill]	ND	None	Dry	
7			30"-42" Brown fine SAND, trace Silt				
				ND	None	Dry	
8							
				ND	Slight Organic-like odor	Moist	
9							
				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B11(1'-3') and B11(7'-9') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

Groundwater apparent at 9'

End of Boring at 10'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B11-R1

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 10:40	**Time: 10:50**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-12" ASPHALT and CONCRETE	0.7	None	Dry	
1			12"-30" Black SAND and GRAVEL (Slag, Coal, Wood), trace Silt [Fill]				
			30"-36" Red BRICK [Fill]	0.5	None	Dry	
2			36"-39" Grey SILT and fine SAND [Fill]				
			39"-60" Black SAND, some Gravel (Slag, Rock), trace Silt [Fill]	0.5	None	Dry	
3				1	None	Dry	
4				0.3	None	Dry	
5							
	48"		0-12" Black SAND, some Gravel (Slag, Rock, Coal) [Fill]	ND	None	Dry	
6			12"-18" Brown medium to fine SAND, little Silt, trace rock Gravel [Fill]				
			18"-24" Grey SILT, trace fine Sand [Fill]	ND	None	Dry	
7			24"-30" Black SAND and SILT, trace Gravel (Slag) [Fill]				
			30"-42" Grey-brown fine Micaceous SAND	ND	None	Dry	
8			42"-48" Pulverized pink and green quartz-rich ROCK				
				ND	None	Dry	
9			Refusal at 9'				
				ND	None	Dry	
10							
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

No samples collected for laboratory analysis.

End of Boring at 9' due to refusal.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B12

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 11:35	**Time: 11:50**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
1	38"		0-2" ASPHALT	ND	None	Dry	B12(0.5-2)
			2"-20" Black SAND, some Gravel (red Brick, Rock, Slag) [Fill]				
			20"-38" Medium to fine light brown micaceous SAND, trace Silt	ND	None	Dry	
2							
3				ND	None	Moist	
4							
5							
6	36"		0-36" Light brown medium to fine SAND, trace Silt	ND	None	Moist	B12(5-7)
7				ND	None	Moist	
8				ND	None	Wet	
9							
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B12(0.5'-2') and B12(5'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 7'9".

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B13

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 12:45	**Time: 13:05**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	54"		0-2" ASPHALT	47	None	Dry	B13(0.5'-2')
1			2"-24" Brown and black SAND and SILT, little Gravel (Rock, Red Brick, Coal, Wood) [Fill]	3.6	None	Dry	
2			24"-54" White ROCK fragments [Fill]	1	None	Dry	
3				0.5			
4							
5							
	30"		0-2" Grey-brown SAND, trace Silt, trace Gravel (Rock, Brick) [Fill]	ND	None	Dry	B13(5'-7')
6			2"-20" Dark grey SAND, little Silt, little Gravel (Slag, Rock, Wood) [Fill]				
7			20"-30" [Fill]	ND	None	Wet	
8				ND	None	Wet	
9							
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B13(0.5'-2') and B13(5'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 8.5'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B14

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 13:25	**Time: 13:35**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	48		0-6" ASPHALT and CONCRETE	ND	None	Dry	B14(2'-3.5')
1			6"-24" CONCRETE, BRICK, and ASPHALT [Fill]				
			24"-42" Grey-brown SAND, some Gravel, trace Silt (Slag, Coal) [Fill]	ND	None	Dry	
2			42"-46" Orange/brown WOOD [Fill]				
			46" -48" Black fine to medium SAND and GRAVEL (Woodchips and Slag) [Fill]	0.3	None	Dry	
3							
				0.3	None	Dry	
4							
5							
	60"		0-6" SLOUGH [Fill]	ND	None	Dry	B14(6'-8')
6			6"-59" Brown grey fine SAND and SILT [Fill]				
			59"-60" Black fine to medium SAND, some Gravel (Slag) [Fill]	ND	None	Moist	
7							
				ND	None	Moist	
8							
						Wet	
9							
						Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B14(2'-3.5') and B14(6'-8') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 8'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. B15

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:15	**Time: 14:35**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-2" ASPHALT	0.2	None	Dry	B15(0.5'-2')
1			2"-14" Grey-brown SAND, some Gravel (Rock, Slag), trace Silt [Fill]				
			14"-26" Black SAND (Coal-like), little Silt, little Gravel [Coal] [Fill]	ND	None	Dry	
2			26"-38" BRICK [Fill]				
			38"-50" Black SAND and GRAVEL (Brick, Rock, Slag, Coal), trace Silt [Fill]	ND	None	Dry	
3			50"-60" Green-brown SAND, little Silt, trace Gravel (Rock) [Fill]				
				7	None	Dry	
4							
				1.3			
5							
	60"		0-12" Grey-black fine to medium SAND and SILT, trace Gravel (Brick) [Fill]	ND	None	Dry	B15(8'-9')
6			12"-15" BRICK [Fill]				
			15"-36" Black SAND and GRAVEL (Slag) [Fill]	ND	None	Moist	
7			36"-48" Grey brown fine SAND, trace Silt, trace rock Gravel [Fill]				
			48"-60" Dark grey medium to fine SAND and SILT, some Gravel (Coal and Slag) [Fill]	ND	None	Moist	
8							
						Wet	
9							
						Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples B15(0.5'-2') and B15(8'-9') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 8'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW6

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 09:10	**Time: 09:25**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** 2" Asphalt, 4" Concrete	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	30"		0-2" ASPHALT	ND	None	Dry	MW6(0.5'-2')
1			2"-6" Weathered CONCRETE				
			6"-30" Brown/black SAND, some Silt, trace Gravel (Coal fragments, Slag) [Fill]	ND	None	Dry	
2							
				ND	None	Moist	
3							
4							
5							
	42"		0-6" Dark brown SAND, some Silt, trace Gravel (Coal fragments, yellow Brick, Rock) [Fill]	ND	None	Moist	MW6(6'-7')
6							
			6"-12" Black SAND, trace Silt, trace Gravel (Coal, red Brick, Rock) [Fill]	ND	None	Moist	
7			12"-18" Grey SAND, trace Silt, trace Gravel [Coal]				
			18"-21" White CONCRETE [Fill]	ND	None	Moist	
8			21"-42" Grey-brown SAND (mostly medium), trace Silt			Wet	
9							
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW6(0.5'-2') and MW6(6'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 6.5'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW7

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 09:45	**Time:10:10**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** 6" Asphalt and Concrete	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-6" ASPHALT and pulverized CONCRETE	ND	None	Dry	
1			6"-42" BRICK and CONCRETE [Fill]				
				ND	None	Dry	
2							
	42"			ND	None	Dry	
3							
4							
5							
			0-6" BRICK [Fill]	ND	None	Moist	
6			6"-12" Brown fine to medium SAND, trace Silt, trace Gravel (Rock) [Fill]				
			12"-18" BRICK [Fill]	ND	None	Moist	
7			18"-24" Light gray SAND, little Gravel [Fill]				
	42"		24"-26" GRAVEL (Slag and Rock), some fine to medium Sand, little Wood (wet) [Fill]	4.2	None	Moist	MW7(6.5'-7.5')
8			26"-30" Brown medium to coarse SAND and BRICK (wet)				
			30"-40" Weathered CONCRETE (dry) [Fill]			Wet	
9			40"-42" Black fine to medium SAND, some Gravel (Wood, Rock) [Fill]				
10							
			0-30" Grey brown medium to coarse SAND, some Gravel (Wood, Rock, Slag), little Silt [Fill]	73.1	None	Moist	
11				12.2			
			30"-48" Light brown SAND and GRAVEL (Rock, red Brick) [Fill]		None	Moist	
12				2.3			
	48"				None	Wet	MW7(10'-11')
13				1.8			
					None	Wet	
14				ND			
					None	Wet	
15			End of Boring at 15'	ND			

Notes: **ND - Not Detected**

Samples MW7(6.5'-7.5') and MW7(10'-11') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 15'.

12'-13.5'; very wet, slight sheen on water.

Groundwater apparent at 13'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW8

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 09:35	**Time:10:00**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-3" ASPHALT	ND	None	Dry	
1			3"-6" Dark brown SAND (mostly coarse), trace Silt, trace Gravel, trace Wood fragments [Fill]	ND	None	Dry	
2			6"-12" Weathered CONCRETE [Fill]	ND	None	Dry	
3	54"		12"-54" Black SAND and GRAVEL (Slag, Coal fragments, Wood), trace Silt [Fill]	ND	None	Dry	MW8(2'-4')
4				ND	None	Dry	
5							
			0-18" Black/brown SAND, some Gravel (Slag, Coal fragments, Wood, red Brick), little Silt [Fill]	ND	None	Dry	
6			18"-24" Brown SILT, trace Sand, trace Gravel (Coal) [Fill]	ND	None	Moist	
7			24"-36" Orange-brown SAND, little Silt, little Gravel (Rock) [Fill]	ND	None	Wet	
8	36"			ND	None	Wet	MW8(5'-6.5')
9				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW8(2'-4') and MW8(5'-6.5') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 6.5'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW9-R1

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 08:15	**Time:08:25**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	60"		0-6" ASPHALT and pulverized CONCRETE	0.3	None	Dry	
1			6"-12" Red BRICK [Fill]				
			12"24" Black SAND, trace Silt, little Gravel (Slag), Metal piece [Fill]	ND	None	Dry	
2			24"-60" CONCRETE [Fill]				
				3.3	None	Dry	
3							
				ND	None	Dry	
4			End of boring at 4' due to Refusal*				
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

No samples collected for laboratory analysis.
End of boring at 4' due to refusal.
*5' Recovery for 4' Core.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW9

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 08:30	**Time:08:45**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt and Dirt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-18" ASPHALT and pulverized CONCRETE	ND	None	Dry	
1			18"-19" BRICK [Fill]				
			19"-36" Black SAND and SILT, some Gravel (Slag, Coal, Brick, Rock) [Fill]	ND	None	Dry	
2							
	36"			ND	None	Dry	MW9(1.5'-3.5')
3							
				ND	None	Dry	
4							
				ND	None	Dry	
5							
			0-6" Black SAND and SILT, some Gravel (Slag, Coal, Brick, Rock) [Fill]	ND	None	Moist	
6			6"-12" Light brown and black SILT and fine SAND [Fill]				
			12"-24" GRAVEL and SAND (Slag) [Fill]	ND	None	Wet	
7			24"-30" Light brown Fine to medium SAND, trace Gravel.				
	36"		30"-36" Grey SILT and fine to medium SAND, trace Clay, Wood fragments throughout	ND	None	Wet	MW9(5'-6')
8							
				ND	None	Moist	
9							
				ND	None	Wet	
10							
			0-6" WOOD fragments and SAND (Slough)	ND	None	Wet	
11			6"-24" Brown SILT, trace Sand, trace rock Gravel				
			24"-30" Grey-brown medium SAND	ND	None	Wet	
12							
	30"			ND	None	Wet	
13							
				ND	None	Wet	
14							
15			End of Boring at 15'				

Notes: **ND - Not Detected**

Samples MW9(1.5'-3.5') and MW9(5'-6') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 15'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW10

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 11:15	**Time:11:25**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** 4" Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	48"		0-4" ASPHALT	ND	None	Dry	MW10(0.5'-2')
1			4"-36" SAND and GRAVEL (Slag, Coal, Rock, red Brick), trace Wood fragments [Fill]				
			36"-48" Light brown SAND and SILT, trace Gravel (Rock, Slag) [Fill]	ND	None	Dry	
2							
				ND	None	Dry	
3							
				ND	None	Moist	
4							
				ND	None	Moist	
5							
	42"		0-21" Black and brown SAND, some Silt, trace Gravel (Slag, Rock, Wood) [Fill]	ND	None	Moist	MW10(5'-7')
6			21"-42" Fine to medium grey brown SAND and SILT				
				ND	None	Wet	
7							
				ND	None	Wet	
8							
						Wet	
9							
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW10(0.5'-2') and MW10(5'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW11

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 12:25	**Time:12:45**
Date: 06-26-03	**Date: 06-26-03**
Page 1 of 2	

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-6" ASPHALT	ND	None	Dry	
1			6"-24" Black GRAVEL and SAND (red Brick, Slag), trace Silt [Fill]				
			24"-30" CONCRETE [Fill]	ND	None	Dry	
2			30"-42" Orange-brown fine SAND and SILT				
	42"			ND	None	Dry	
3							
				ND	None	Dry	MW11(0.5'-2')
4							
				ND	None	Moist	
5							
			0-6" Black GRAVEL and SAND (Slough)	ND	None	Moist	
6			6"-30" Orange-brown medium to fine SAND, trace Silt				
			30"-36" Orange-brown SILT and CLAY, trace fine Sand	ND	None	Moist	
7							
	36"			ND	None	Moist	
8							
				ND	None	Moist	MW11(7'-9')
9							
				ND	None	Moist	
10							
			0-12" Black GRAVEL and SAND (Slough)	ND	None	Moist	
11			12"-60" Light orange-brown CLAY, some Silt, trace fine Sand in lenses				
				ND	None	Moist	
12							
	60"			ND	None	Moist	
13							
				ND	None	Moist	
14							
				ND	None	Moist	
15							

Notes: **ND - Not Detected**

Samples MW11(0.5'-2') and MW11(7'-9') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 20'.

Moist soil apparent at approximately 4'. Wet soil was not encountered possibly due to high clay content of soil.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW11

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 12:25	**Time:12:45**
Date: 06-26-03	**Date: 06-26-03**
Page 2 of 2	

Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition:	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-18" (Slough)	ND	None		
16			18"-60" Orange-brown CLAY, some Silt				
				ND	None		
17							
	60"			ND	None		
18							
				ND	None		
19							
				ND	None		
20			End of Boring at 20'				
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Notes: **ND - Not Detected**

Samples MW11(0.5'-2') and MW11(7'-9') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 20'.

Moist soil apparent at approximately 4'. Wet soil was not encountered possibly due to high clay content of soil.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW12

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 13:30	**Time:13:45**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** 2" Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-2" ASPHALT	ND	None	Dry	
1			2"-36" Light brown medium to fine SAND, trace Silt, trace Gravel (Brick, Rock) [Fill]	ND	None	Dry	
2	36"			ND	None	Dry	MW12(0.5'-2')
3				ND	None	Dry	
4				ND	None	Dry	
5							
			0-12" Light brown SAND, trace Silt, trace rock Gravel [Fill]	ND	None	Moist	
6			12"-18" Black medium to fine SAND, trace Silt, trace rock Gravel			Wet	
7				ND	None	Wet	
8	18"			ND	None	Wet	MW12(4.5'-5.5')
9				ND	None	Wet	
10			End of Boring at 10'	ND	None	Wet	
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW-12(0.5'-2') and MW-12(4.5'-5.5') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.
Groundwater apparent at 6'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW13

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:00	**Time:14:15**
Date: 06-25-03	**Date: 06-25-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
	36"		0-6" ASPHALT	ND			MW13(0.5'-2')
1			6"-12" Medium to coarse black SAND, trace Silt, trace Gravel (Brick, Rock, Slag) [Fill]				
			12"-18" BRICK [Fill]	ND			
2			18"-24" Slag GRAVELand grey coarse SAND [Fill]				
			24"-27" BRICK [Fill]	ND			
3			27"-30" Grey Slag GRAVEL and coarse SAND [Fill]				
			30"-36" Black SAND, little Silt, trace Gravel (Rock and Coal) [Fill]	ND			
4							
				ND			
5							
	36"		0-30" Orange-brown SAND, little Gravel (Rock fragments, Brick, Slag) [Fill]	ND			MW13(5'-7')
6			30"-36" Dark grey SAND and GRAVEL (Slag, Rock, Wood, Coal), trace Silt [Fill]				
				ND			
7							
				ND			
8							
				ND			
9							
				ND			
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW13(0.5'-2') and MW13(5'-7') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boting at 10'.

Odor and moisture were not recorded for MW13.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW14

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 13:00	**Time:13:15**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-30" ASPHALT, BRICK, CONCRETE [Fill]	0.4	None	Dry	
1			30"-33" Dark grey SAND, trace Silt, trace Gravel [Fill]				
			33"-60" Orange-brown fine SAND and SILT [Fill]	0.4	None	Dry	
2							
	60"			0.4	None	Dry	MW14(3'-4')
3							
				1.1	None	Dry	
4							
				0.9	None	Moist	
5							
			0-24" Light brown fine SAND and SILT, trace Gravel (Brick fragments) [Fill]	ND	None	Moist	
6			24"-28" BRICK [Fill]				
			24"-34" GRAVEL and black SAND (Slag fragments) [Fill]	0.8	None	Moist	
7			34"-48" Grey-brown medium to fine quartz SAND				
	48"			0.6	None	Wet	MW14(6'-8')
8							
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW14(3'-4') and MW14(6'-8') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring 10'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW15

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 14:45	**Time:15:00**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-6" ASPHALT and CONCRETE	6.5	None	Dry	
1			6"-24" Gray-black SAND, some Gravel (red Brick, Slag, Rock, Concrete) [Fill]				
			24"-32" Light brown fine to medium SAND, some Silt, some Gravel (red Brick, Wood, Coal, Slag) [Fill]	6.2	None	Dry	
2							
	60"		32"-60" Grey-brown fine to medium SAND, trace Silt, some Gravel (red Brick, Wood, Coal, Slag) [Fill]	1.9	None	Dry	MW15(0.5'-2')
3							
				0.7	None	Dry	
4							
				0.6	None	Dry	
5							
			0-6" SLOUGH [Fill]	1.2	None	Dry	
6			6"-15" Red BRICK [Fill]				
			15"-27" Grey-brown SAND, trace Silt, trace Gravel (Slag, Rock) [Fill]	0.3	None	Moist	
7			27"-36" Coarse to medium SAND and GRAVEL (Slag), trace Silt [Fill]				
	36"			0.2	None	Wet	MW15(6'-8')
8							
				ND	None	Wet	
9							
				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW15(0.5'-2') and MW15(6'-8') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.

Groundwater apparent at 7'.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Brooklyn, NY

AKRF Project Number : 30260-0006

Boring No. MW16

Drilling Method:	Geoprobe Rig
Sampling Method:	5-foot Teflon Sampling Sleaves
Driller :	Aquifer Drilling & Testing, Inc.
Weather:	90F, Sunny
Sampler:	AKRF/Mimi Sotiriou and Julie Foley

Drilling	
Start	**Finish**
Time: 13:50	**Time:14:05**
Date: 06-26-03	**Date: 06-26-03**

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition:** Asphalt	PID Reading (ppm)	Odor	Moisture	Samples Collected for Lab Analysis
			0-6" ASPHALT and CONCRETE	ND	None	Dry	
1			6"-24" Black SAND, some Silt, some Gravel (red Brick, Slag, Rock, Coal) [Fill]	ND	None	Dry	
2			24"-33" Grey-brown fine to medium SAND and GRAVEL (Slag, Rock, red Brick) [Fill]	ND	None	Dry	
	42"		33"-37" Black COAL, coarse Sand, trace Silt [Fill]				MW-16(0.5'-2')
3			37"-42" BRICK [Fill]	ND	None	Dry	
4				ND	None	Dry	
5							
			0-12" Grey-brown SAND and GRAVEL (red Brick, Rock, Slag) [Fill]	1.2	None	Dry	
6			12"-18" Red BRICK [Fill]				
			18"-60" Fine to medium black SAND (Coal-like), some Silt [Fill]	0.3	None	Dry	
7				0.2	None	Moist	
	60"						MW-16(8.5'-9.5')
8				ND	None	Moist	
9				ND	None	Wet	
10			End of Boring at 10'				
11							
12							
13							
14							
15							

Notes: **ND - Not Detected**

Samples MW16(0.5'-2') and MW16(8.5'-9.5') were analyzed for TCL VOCs (Method 8260), TCL SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals (6000/7000 Series Method).

End of boring at 10'.

Groundwater at approximately 9.5'.

AKRF, Inc.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-6

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 08:05	**Time:** 09:15
Weather:	85F, Clear	**Date:** 06-30-03	**Date:** 06-30-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-13' Black/brown SAND, trace Silt, trace Gravel (rock, slag).
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 13'.	
5		2" PVC well riser 0 - 3'.	
6		2" PVC 20-slot well screen 3' - 13'.	
7			
8			
9			
10			
11			
12			
13		Bottom of well 13'.	
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 6.8'.
Soil samples were not collected during well installation.

AKRF, Inc.	Greenpoint Lumber Yard, Greenpoint, Brooklyn AKRF Project Number : 30260		Well No. MW-7 Sheet 1 of 1	
Environmental Consultants 116 East 27th Street, 7th Fl. New York, NY 10016	**Drilling Method:**	Truck-mounted, Hollow Stem Auger	**Drilling**	
	Sampling Method:	No sampling conducted	**Start**	**Finish**
	Driller :	ADT	**Time:** 10:45	**Time:** 11:30
	Weather:	90F, Clear	**Date:** 07-2-03	**Date:** 07-2-03
	Logged by:	SDR	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-14' Brown/Red SAND and BRICK, trace Silt, mild organic-like odor
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 14'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 4' - 14'.	
7			
8			
9			
10			
11			
12			
13			
14		Bottom of well 14'.	
15			
16			
17			
18			
19			
20			

Notes:
No depth to groundwater readings were collected for MW-7.
Soil samples were not collected during well installation.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-8

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 09:35	**Time:** 10:20
Weather:	85F, Clear	**Date:** 06-30-03	**Date:** 06-30-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-13' Black SAND, trace Silt, trace Gravel
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 13'.	
5		2" PVC well riser 0 - 3'.	
6		2" PVC 20-slot well screen 3' - 13'.	
7			
8			
9			
10			
11			
12			
13		Bottom of well 13'.	
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 6.5'.
Soil samples were not collected during well installation.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-9

Sheet 1 **of** 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 11:35	**Time:** 12:20
Weather:	85F, Clear	**Date:** 07-1-03	**Date:** 07-1-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Dirt and Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-13' No description was recorded
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 13'.	
5		2" PVC well riser 0 - 3'.	
6		2" PVC 20-slot well screen 3' - 13'.	
7			
8			
9			
10			
11			
12			
13		Bottom of well 13'.	
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 9.4'.
Soil samples were not collected during well installation.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-10

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 10:45	**Time:** 11:30
Weather:	85F, PC	**Date:** 06-30-03	**Date:** 06-30-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-14' Black/Brown SAND, little Gravel, wet light brown SILT, some sand, trace Clay
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 14'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 4' - 14'.	
7			
8			
9			
10			
11			
12			
13			
14		Bottom of well 14'.	
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 7'.
Soil samples were not collected during well installation.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-11

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 07:20	**Time:** 08:15
Weather:	85F, Sunny	**Date:** 07-2-03	**Date:** 07-2-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-15' Black/Brown SAND, trace Gravel, trace Silt, trace Clay, light brown wet CLAY and SILT.
3		Bentonite seal 1' - 3'.	
4		Number 1 grade sand pack 3' - 15'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 5' - 15'.	
7			
8			
9			
10			
11			
12			
13			
14			
15		Bottom of well 15'.	
16			
17			
18			
19			
20			

Notes:

No depth to groundwater measurments were collected during well installation. The depth to groundwater reading of approximately 12' below grade was collected during well development.

Soil samples were not collected during well installation.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-12A

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 14:00	**Time:** 15:15
Weather:	85F, Sunny	**Date:** 06-30-03	**Date:** 06-30-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-15' Dark brown SILT and SAND, trace Gravel, wet, no odor, no NAPL
3		Bentonite seal 1' - 3'.	
4		Number 1 grade sand pack 3' - 15'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 5' - 15'.	
7			
8			
9			
10			
11			
12			
13			
14			
15		Bottom of well 15'.	
16			
17			
18			
19			
20			

Notes:

Groundwater apparent at 8'

Soil samples were not collected during well installation.

MW-12A is located approximately 100' south of boring B12. This relocation is due to the refusal we encountered when trying to install MW-12 near B12.

AKRF, Inc.	Greenpoint Lumber Yard, Greenpoint, Brooklyn AKRF Project Number : 30260		Well No. MW-13 Sheet 1 of 1	
Environmental Consultants 116 East 27th Street, 7th Fl. New York, NY 10016	**Drilling Method:**	Truck-mounted, Hollow Stem Auger	**Drilling**	
	Sampling Method:	No sampling conducted	**Start**	**Finish**
	Driller :	ADT	**Time:** 13:30	**Time:** 14:00
	Weather:	80F, Overcast	**Date:** 06-30-03	**Date:** 06-30-03
	Logged by:	JEF	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-15' Brown and dark grey stained SAND and SILT, trace rock Gravel, wet, moderate petroleum-like odor, sleight sheen on water.
3		Bentonite seal 1' - 3'.	
4		Number 1 grade sand pack 3' - 15'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 5' - 15'.	
7			
8			
9			
10			
11			
12			
13			
14			
15		Bottom of well 15'.	
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 6.2'
Sample of soil collected for waste characterization
The bottom plug of the 2" PVC well screen came out and MW13 filled with sand to -2' below grade. MW13 was overdrilled and MW13A was constructed in its place.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. **MW-13A**

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 09:55	**Time:** 11:12
Weather:	85, Sunny	**Date:** 07-1-03	**Date:** 07-1-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-12' No description was recorded
3		Bentonite seal to surface	
4		Number 1 grade sand pack 1' - 12'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 2' - 12'.	
7			
8			
9			
10			
11			
12		Bottom of well at 12'	
13			
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 5'.
Soil samples were not collected during well installation.
The bottom plug of the 2" PVC well screen came out and MW13 filled with sand to 2' below grade. MW13 was overdrilled and MW13A was constructed in its place.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-14

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 13:45	**Time:** 14:25
Weather:	85F, Sunny	**Date:** 07-1-03	**Date:** 07-1-03
Logged by:	MSS	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-14' No description was recorded
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 14'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 4' - 14'.	
7			
8			
9			
10			
11			
12			
13			
14		Bottom of well 14'.	
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 8.5'
Soil samples were not collected during well installation.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-15

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 09:45	**Time:** 10:25
Weather:	90F, Sunny	**Date:** 07-2-03	**Date:** 07-2-03
Logged by:	SDR	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Dirt, Gravel, and Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-14' Brown SAND, some Rock, Gravel, trace Silt, moist.
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 14'.	
5		2" PVC well riser 0 - 4'.	
6		2" PVC 20-slot well screen 4' - 14'.	
7			
8			
9			
10			
11			
12			
13			
14		Bottom of well 14'.	
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 8'.
Soil samples were not collected during well installation.

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116 East 27th Street, 7th Fl. New York, NY 10016

Greenpoint Lumber Yard, Greenpoint, Brooklyn

AKRF Project Number : 30260

Well No. MW-16

Sheet 1 of 1

Drilling Method:	Truck-mounted, Hollow Stem Auger	**Drilling**	
Sampling Method:	No sampling conducted	**Start**	**Finish**
Driller :	ADT	**Time:** 08:34	**Time:** 09:33
Weather:	87F, Sunny	**Date:** 07-2-03	**Date:** 07-2-03
Logged by:	SDR	**TOC Elevation:**	

Depth (feet)	Well Construction	Construction Description	Description of Cuttings
1		Flush mounted curb box with locking well cap.	0-6" Dirt and Asphalt Parking Lot
2		Cement-bentonite grout from 0' - 1'.	6"-13' Black/brown SAND, some Gravel, trace Silt, wet towards bottom.
3		Bentonite seal 1' - 2'.	
4		Number 1 grade sand pack 2' - 13'.	
5		2" PVC well riser 0 - 3'.	
6		2" PVC 20-slot well screen 3' - 13'.	
7			
8			
9			
10			
11			
12			
13		Bottom of well 13'.	
14			
15			
16			
17			
18			
19			
20			

Notes:
Groundwater apparent at 9'.
Soil samples were not collected during well installation.

APPENDIX B
WELL DEVELOPMENT AND SAMPLING LOGS

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	SDR	**MW-6**
Date:	07/01/03	**Time:**	07:27	
Total Depth:	13 ft.	**Well Diameter:**	2 in.	
Depth to Water:	6.6 ft.	**Well Volume*:**	1.0432 gal.	
Water Column (WC):	6.4 ft.	****PID at surface:**	1.5 ppm	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
07:30 WELL RAN DRY								Well was purged for 3 minutes before it ran dry; not enough time to collect readings
07:35	1.5L/16s	>1000	15.35	0.959	1.03/9.7	***	73	
07:38 WELL RAN DRY								
07:45	1.5L/16s	900	16.34	0.968	1.07/10.1	***	68	
07:47 WELL RAN DRY								
07:55	1.5L/16s	450	16.01	0.967	1.37/12.1	***	62	
07:57 WELL RAN DRY								

07:57 MW-6 considered developed. Well ran dry 4 times and approximately 7 well volume purged.

Total Volume Purged:

Approximately 7 gallons

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

AKRF, Inc.

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS, SDR, JEF
Date:	07-02-03	**Time:**	13:05:00 AM
Total Depth:	13.9 ft. (TOM)	**Well Diameter:**	2 in.
Depth to Water:	8.1 ft. (TOM)	**Well Volume*:**	0.945 gal.
Water Column (WC):	5.8 ft.	****PID at surface:**	13.8 ppm

Well No: **MW-7**

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
13:10	6L/min	>1000	14.36	3.65	0.83	***		
13:15	**MW-7 RAN DRY**							Well was purged for 3 minutes - not enough time to collect readings
13:20	**MW-7 RAN DRY**							Well was purged for 30 seconds - not enough time to collect readings
13:25	**MW-7 RAN DRY**							Well was purged for 30 seconds - not enough time to collect readings
13:30	**MW-7 RAN DRY**							Well was purged for 7 seconds - not enough time to collect readings
13:35	**MW-7 RAN DRY**							Well was purged for 13 seconds - not enough time to collect readings

13:35 MW-7 considered developed.

Approximately 5 gallons (five well volumes) purged.

Well ran dry four times.

Turbidity at 290 NTU.

Water was clear by the end of development.

Total Volume Purged:

Approximately 5 gallons

Notes: *= 0.163 * WC for 2" wells **Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

AKRF, Inc.

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	SDR	**MW-8**
Date:	07/01/03	**Time:**	07:27	
Total Depth:	13.45 ft.	**Well Diameter:**	2 in.	
Depth to Water:	8.4 ft.	**Well Volume*:**	0.82315 gal.	
Water Column (WC):	5.05 ft.	****PID at surface:**	ND	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
08:27	1.5L/16s	>1000	16.99	32.2	3.14/34.2	***	106	
08:28 WELL RAN DRY								
08:34	1.5L/16s	>1000	21.98	30.3	3.90/42.8	***	107	
08:35 WELL RAN DRY								
08:40	1.5L/16s	>1000	27.60	31	4.48/49.5	***	98	
08:40 WELL RAN DRY								Well was purged for approximately 15 seconds before it ran dry; not enough time to collect readings.
08:47	1.5L/16s	>1000	26.70	31	4.71/53.2	7.33	92	
08:47 WELL RAN DRY								Well was purged for approximately 30 seconds before it ran dry; not enough time to collect readings.

08:47 MW-8 considered developed. Well ran dry 4 times. Approximately 4 well volumes purged.

Total Volume Purged:

Approximately 3.5 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

AKRF, Inc.

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	JEF	**MW-9**
Date:	07/02/03	**Time:**	07:30	
Total Depth:	13.45 ft.	**Well Diameter:**	2 in.	
Depth to Water:	8.4 ft.	**Well Volume*:**	0.82315 gal.	
Water Column (WC):	5.05 ft.	****PID at surface:**	ND	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
08:15	1.5L/15s	>1000	14.27	2.01	4.85/35.8	***	23	Well ran dry after 1 minute of pumping
08:16 WELL RAN DRY								
08:30	1.5L/16s	>1000	15.17	2.42	6.35/54.2	***	27	Well ran dry after 30 seconds of pumping
08:30 WELL RAN DRY								
08:40	1.5L/16s	>1000	15.36	2.51	3.75/33.1	***	27	
08:40 WELL RAN DRY								Well ran dry after 30 seconds of pumping
08:50	****	****	****	****	****	***	****	

WELL RAN DRY TOO QUICKLY TO GET ANY READINGS

8:50 MW-9 considered developed. Well ran dry 4 times.

Total Volume Purged:

Volume not recorded.

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

****No data gathered

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	JEF
Date:	07/01/03	**Time:**	11:00
Total Depth:	14.35 ft. (TOM) 13.8 ft. (TOC)	**Well Diameter:**	2 in.
Depth to Water:	6.48 ft. (TOM) 6.0 ft. (TOC)	**Well Volume*:**	1.27 gal.
Water Column (WC):	5.05 ft.	****PID at surface:**	ND

Well No:

MW-10

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
11:05	1.5L/15s	50	16.96	2.54	5.11/41.8	***	18	
11:10	1.5L/15s	50	14.8	2.63	4.85/18.5	***	30	
11:11 WELL RAN DRY								
11:17	1.5L/15s	220	14.56	2.6	2.62/2.21	***	19	
11:17 WELL RAN DRY								Well ran dry in approximately 30 seconds
11:22	1.5L/15s	140	15.07	2.57	3.44/34.1	***	30	
11:22 WELL RAN DRY								Well ran dry in approximately 30 seconds
11:27	1.5L/16s	290	15.79	2.59	3.30/35.7	7.33	20	
11:27 WELL RAN DRY								Well ran dry in approximately 45 seconds

11:27 MW-10 considered developed. Well ran dry 4 times. Approximately 3 well volumes purged.

Total Volume Purged:

Approximately 4 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

TOC=Top of Casing

AKRF, Inc.

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS/JEF	**MW-11**
Date:	07/02/03	**Time:**	10:00	
Total Depth:	15 ft. (TOC)	**Well Diameter:**	2 in.	
Depth to Water:	12.5 ft. (TOC)	**Well Volume*:**	0.4075 gal.	
Water Column (WC):	2.5 ft.	****PID at surface:**	0.7 ppm	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
10:00	1.5L/15s	>1000	17.29	1.01	4.26/****	***	****	
10:02 WELL RAN DRY								
10:07	1.5L/15s	>1000	17.17	1.02	2.93/****	***	****	
10:08 WELL RAN DRY								
10:13	1.5L/15s	>1000	17.06	1.025	3.15/****	***	****	
10:14 WELL RAN DRY								
10:19	1.5L/15s	>1000	17.2	1.023	3.05/****	***	****	
10:20 WELL RAN DRY								

10:20 MW-11 considered developed. Well ran dry 4 times. Approximately 4 well volumes purged.

Total Volume Purged:

Approximately 4 gallons

Notes: *= 0.163 * WC for 2" wells **Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken ****No data gathered

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	SDR
Date:	07/01/03	**Time:**	09:38
Total Depth:	13.5 ft. (TOC) 13.75 ft. (TOM)	**Well Diameter:**	2 in.
Depth to Water:	5.1 ft. (TOC) 5.4 ft. (TOM)	**Well Volume*:**	1.3692 gal.
Water Column (WC):	8.4 ft.	****PID at surface:**	1.4 ppm

Well No:

MW-12A

Time	Pump Rate	Turbidity (NTU)	Temperature (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
09:52	1.5L/15s	>1000	15.99	1.59	4.06/33.1	***	17	
09:57	1.5L/15s	>1000	16.02	1.59	1.90/19.3		9	
09:57 WELL RAN DRY								
10:08 WELL RAN DRY								
10:01	1.5L/25s	>1000	16.12	1.59	1.56/14.4	***	24	Black sediment
10:05	1.5L/25s	>1000	15.89	1.56	2.37/23.8	***	18	
10:10	1.5L/25s	950	15.83	1.57	2.54/25.9	***	18	Flow has decreased
10:14 WELL RAN DRY								
10:15	1.5L/25s	100	15.87	1.56	11.67/17.2	***	14	
10:21	1.5L/30s	160	15.78	1.57	2.62/26.7	***	15	
10:25	1.5L/30s	160	15.77	1.57	2.90/29.2	***	17	
10:29	1.5L/30s	150	15.79	1.58	2.89/28.8	***	16	
10:29 MW-12A considered developed. Well parameters stabilized. Approximately 14 well volumes purged.								

Total Volume Purged:

Approximately 20 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

TOM=Top of Manhole

AKRF, Inc.

Environmental Consultants

Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	JEF
Date:	07/01/03	**Time:**	11:45
Total Depth:	12.45 ft. (TOC) 12.0 ft. (TOM)	**Well Diameter:**	2 in.
Depth to Water:	6.08 ft. (TOC) 6.5 ft. (TOM)	**Well Volume*:**	.978 gal.
Water Column (WC):	6 ft	****PID at surface:**	ND

Well No:

MW-13

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
11:47	1.5L/15s	>1000	18.86	2.31	2.19/20.3	***	13	
11:53	1.5L/15s	210	16.8	2.16	3.53/36.1	***	-31	
11:56	1.5L/15s	110	16.72	2.14	3.69/38.2	***	-33	
12:00	1.5L/15s	80	16.69	2.13	3.47/36.0	***	-36	
12:05	1.5L/15s	45	16.55	2.12	3.32/34.4	***	-37	
12:10	1.5L/15s	50	16.54	2.11	3.60/*	***	****	

10:29 MW-13 considered developed. Well parameters stabilized. Approximately 20 well volumes purged.

Total Volume Purged:

Approximately 20 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken

****No data gathered

TOM= Top of Manhole

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty	**Well No:**
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS, JEF	**MW-14**
Date:	07/01/03	**Time:**	10:45	
Total Depth:	14.00 ft. (TOM)	**Well Diameter:**	2 in.	
Depth to Water:	8.80 ft. (TOM)	**Well Volume*:**	.685 gal.	
Water Column (WC):	4.2 ft.	****PID at surface:**	2.0 ppm	

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
10:48	6L/min	>1000	15.19	1.001	3.12/*	***	****	
10:51	6L/min	850	14.72	0.978	0.80/*	***	****	
10:53	6L/min	400	14.71	0.962	0.71/*	***	****	
10:55	6L/min	95	14.68	0.953	0.63/*	***	****	
10:57	6L/min	45	14.66	0.944	0.52/*	***	****	
10:59	6L/min	31	14.66	0.941	0.46/*	***	****	

10:59 MW-14 considered developed. Well parameters stabilized. Approximately 8 well volumes purged.

Total Volume Purged:

Approximately 6 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken ****No data gathered

TOM= Top of Manhole

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS, SDR
Date:	07/02/03	**Time:**	12:20
Total Depth:	14.3 ft.	**Well Diameter:**	2 in.
Depth to Water:	9.5 ft. TOM	**Well Volume*:**	0.7824 gal.
Water Column (WC):	4.8 ft.	****PID at surface:**	1.2 ppm

Well No:

MW-15A

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
12:28	6L/min	>1000	17.20	1.015	1.83/*	***	****	Cloudy
12:32	6L/min	350	15.25	0.971	0.30/*	***	****	Clear
12:37	6L/min	260	14.95	0.962	0.21/*	***	****	Clear
12:44	6L/min	60	14.45	0.952	0.12/1.2	***	30	
12:50	6L/min	15	14.51	0.949	0.12/1.1	***	30	
12:53	6L/min	45	14.47	0.947	.11/1.1	***	30	
12:58	6L/min	45	14.5	0.947	.11/1.1	***	30	

12:58 MW-15A considered developed. Well parameters stabilized. Approximately 17 well volumes purged.

Total Volume Purged:

Approximately 13.26 gallons

Notes: *= 0.163 * WC for 2" wells **Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken ****No data gathered TOM= Top of Manhole

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Well Development Log

Job No:	30260	**Client:**	Park Tower Realty
Project Location:	Greenpoint Lumber Yard	**Sampled By:**	MSS, JEF
Date:	07/02/03	**Time:**	11:30
Total Depth:	13.5 ft.	**Well Diameter:**	2 in.
Depth to Water:	6.65 ft. TOM	**Well Volume*:**	1.133 gal.
Water Column (WC):	6.95 ft.	****PID at surface:**	0.6 ppm

Well No: **MW-16**

Time	Pump Rate	Turbidity (NTU)	Temperature (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments
11:45	6L/min	>1000	16.87	1.189	1.91/*	***	****	Cloudy
11:50	6L/min	160	16.39	1.52	0.43/*	***	****	Clear
11:55	6L/min	70	16.37	1.52	0.33/*	***	****	Clear
12:00	6L/min	75	16.35	1.52	0.25/*	***	****	
12:02	**WE SURGED THE WELL**							
12:10	6L/min	75	16.32	1.52	0.18/*	***	****	
12:12	6L/min	35	16.31	1.52	0.20/*	***	****	

12:15 MW-16 considered developed. Turbidity < 50ppm. Approximately 4.5 well volumes purged.

Total Volume Purged:

Approximately 5 gallons

Notes:

*= 0.163 * WC for 2" wells

**Photoionization Detector

***pH meter on Quanta G Water Quality Testing Instrument was broken ****No data gathered

TOM= Top of Manhole

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Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS, JEF**
Date:	**07-14-03**	**Time:**	**07:15**
PID at surface:	**0.2 ppm**		

Well No: **MW6**

Total Depth:	**12.76' TOC** **13.21' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**5.63' TOC** **6.10' TOM**	**Well Volume*:**	**1.162 gal.**
Water Column (WC):	**7.13'**		**x3=3.486 gal.**
Depth to top of screen:	**3'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**13'**	**Geotech Geopump 2**	
Pump intake:	**10'**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
07:43	5.83'	1L/3min	18.40	1	2.06	6.9	23	80	Clear
07:48	5.83'	1L/3min	17.56	0.994	0.73	6.9	19	50	Slight sheen
07:53	5.83'	1L/3min	17.19	0.999	0.59	6.8	23	50	
07:58	5.83'	1L/3min	17.34	0.995	0.5	6.9	17	39	
08:03	5.83'	1L/3min	17.32	1	0.45	7	15	31	No odor
08:08	5.83'	1L/3min	17.30	1.006	0.41	6.9	11	18	
08:13	5.83'	1L/3min	17.23	1.007	0.39	6.9	8	7.8	
08:18	5.83'	1L/3min	17.29	1.006	0.39	6.9	6	4.9	
08:23	5.83'	1L/3min	19.27	1.003	0.38	6.9	7	4.9	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3.5 gallons purged over 40 minutes. All parameters stabilized except for turbidity and ORP.**

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Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS, JEF**
Date:	**07-14-03**	**Time:**	
PID at surface:	**0.8 ppm**		

Well No: **MW7**

Total Depth:	**13.7' TOC** **14.4' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**8' TOC** **6.4' TOM**	**Well Volume*:**	**0.9291 gal.**
Water Column (WC):	**5.7'**		**x3=2.79 gal.**
Depth to top of screen:	**4'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**14'**	**Geotech Geopump 2**	
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
10:15	8.2'	500mL/min	17.07	4.13	2.64	12.2	-80	45	Clear
10:20	8.2'	500mL/min	17.04	3.61	0.31	12.1	-80	50	Slight sheen
10:25	8.2'	500mL/min	17.19	2.17	0.27	12	-89	34	
10:30	8.2'	500mL/min	17.15	2.02	0.22	11.9	-110	26	
10:35	8.2'	500mL/min	17.10	2.02	0.17	11.9	-118	19	
10:40	8.2'	500mL/min	17.09	1.99	0.17	11.9	-126	32	
10:45	8.2'	500mL/min	17.11	1.97	0.17	11.8	-130	26	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged. All parameters stabilized within 10%. Turbidity = 26 NTU.**

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Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS, JEF**
Date:	**07-14-03**	**Time:**	**08:55**
PID at surface:	**ND**		

Well No: **MW8**

Total Depth:	**12.60' TOC** **13.35' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**6.1' TOC** **6.85' TOM**	**Well Volume*:**	**1.06 gal**
Water Column (WC):	**6.5'**		**x3=3.18gal.**
Depth to top of screen:	**3'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**13'**	**Geotech Geopump 2**	
Pump intake:	**10'**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
08:57	6.7'	500mL/min	20.15	35.5	5	7.2	104	38	Clear
09:02	6.7'	500mL/min	20.61	35.3	6.75	7.2	127	5.5	No sheen
09:07	6.7'	500mL/min	20.60	35.3	6.77	7.2	127	1.1	No odor
09:12	6.7'	500mL/min	20.59	35.3	6.59	7.2	127	0.85	
09:17	6.7'	500mL/min	20.61	35.3	6.4	7.2	126	0.8	
09:22	6.7'	500mL/min	20.60	35.3	6.42	7.2	126	0.55	
09:27	6.7'	500mL/min	20.60	35.3	6.23	7.2	125	0.6	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3.5 gallons purged (30 minutes purging). All parameters stabilized within 10%. Turbidity < 1 NTU.**

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Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**SDR/MSS**
Date:	**07-14-03**	**Time:**	**14:35**
PID at surface:	**ND**		

Well No: **MW9**

Total Depth:	**12.85' TOC** **13.15' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**8.65' TOC** **8.95 TOM**	**Well Volume*:**	**.6846 gal**
Water Column (WC):	**4.2'**		**x3=2.05gal.**
Depth to top of screen:	**3'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**13'**	**Geotech Geopump 2**	
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
14:40	8.85'	500mL/min	16.05	1.9	1.2	7	-13	40	
14:45	8.85'	500mL/min	17.37	1.84	1.09	6.9	-10	17	
14:50	8.85'	500mL/min	16.74	1.75	1.26	6.9	-4	5.4	
14:55	8.85'	500mL/min	18.05	1.8	1.18	6.9	-3	4.2	
15:00	8.85'	500mL/min	17.37	1.82	1.15	6.9	-4	6.2	
15:05	8.85'	500mL/min	17.33	1.93	0.88	6.9	-6	6	
15:10	8.85'	500mL/min	17.51	1.94	0.83	6.9	-6	5.5	
15:15	8.85'	500mL/min	17.88	1.92	0.85	6.9	-5	5.5	
15:20	8.85'	500mL/min	17.57	1.9	0.87	6.9	-6	5.3	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 2 gallons purged. All parameters stabilized within 10%. Turbidity = 5.3 NTU.**

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Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF/SDR**
Date:	**07-14-03**	**Time:**	**15:30**
PID at surface:	**0.2 ppm**		

Well No: **MW10**

Total Depth:	**13.95' TOC** **14.4' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**5.95' TOC** **6.4' TOM**	**Well Volume*:**	**1.304 gal**
Water Column (WC):	**8'**		**x3=3.914 gal.**
Depth to top of screen:	**4'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**14'**	**Geotech Geopump 2**	
Pump intake:	**6.2'**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (^oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
15:45	6.2'	500mL/min	20.80	2.53	1.79	7.4	-12	16	
15:50	6.2'	500mL/min	20.50	2.55	1.01	7.4	-14	21	
15:55	6.2'	500mL/min	20.49	2.55	0.41	7.4	-22	20	
16:00	6.2'	500mL/min	18.92	2.55	0.26	7.4	-27	30	
16:05	6.2'	500mL/min	19.54	2.53	0.21	7.4	-29	27	
16:10	6.2'	500mL/min	19.99	2.53	0.23	7.4	-32	23	
16:15	6.2'	500mL/min	20.50	2.56	0.21	7.4	-35	23	
16:20	6.2'	500mL/min	20.40	2.55	0.2	7.4	-37	20	
16:25	6.2'	500mL/min	20.00	2.57	0.19	7.4	-38	18	
16:30	6.2'	500mL/min	19.84	2.56	0.19	7.4	-39	18	
16:35	6.2'	500mL/min	19.87	2.56	0.19	7.4	-40	18	
16:40	6.2'	500mL/min	19.83	2.57	0.19	7.4	-40	18	
16:45	6.2'	500mL/min	19.84	2.56	0.19	7.4	-40	18	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged (<3 well volumes). Pump rate was very low due to very low recharge. All parameters stabilized within 10% for last 4 readings over 20 minutes. Turbidity = 18 NTU.**

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Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF/SDR**
Date:	**07-14-03**	**Time:**	**10:00**
PID at surface:	**NOT WORKING**		

Well No: **MW11**

Total Depth:	**14.85' TOC** **15.05' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**12.2' TOC** **12.5' TOM**	**Well Volume*:**	**0.432 gal**
Water Column (WC):	**2.65'**		**x3=1.30 gal.**
Depth to top of screen:	**5'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**15'**	**Geotech Geopump 2**	
Pump intake:	**14"**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
10:03	12.4'	250mL/min	17.10	1.02	1.22	6.9	73	172	
10:08	12.4'	250mL/min	18.80	1.018	1.48	6.9	90	160	
10:13	12.4'	250mL/min	18.17	1.014	0.98	6.6	90	160	
10:18	12.4'	250mL/min	18.00	1.013	0.73	6.6	89	50	
10:23	12.4'	250mL/min	17.82	1.015	0.65	6.6	88	15	
10:28	12.4'	250mL/min	17.54	1.017	0.62	6.6	87	7.5	
10:33	12.4'	250mL/min	17.56	1.02	0.62	6.6	85	3.1	
10:38	12.4'	250mL/min	17.84	1.02	0.61	6.6	85	2.2	
10:43	12.4'	250mL/min	17.76	1.031	0.65	6.6	86	1.8	
10:48	12.4'	250mL/min	18.00	1.021	0.63	6.6	84	1.6	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 1.5 gallons purged. All parameters stabilized within 10%. Turbidity = 1.6 NTU.**

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Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF**
Date:	**07-14-03**	**Time:**	**11:30**
PID at surface:	**0.9 ppm**		

Well No: **MW12A**

Total Depth:	**13.6' TOC** **13.8' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**5.4' TOC** **5.6' TOM**	**Well Volume*:**	**1.33 gal**
Water Column (WC):	**8.20'**		**x3=4 gal.**
Depth to top of screen:	**5'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**15'**	**Geotech Geopump 2**	
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
11:35	5.6'	500mL/min	19.42	1.383	1.16	7.6	-55	160	Moderate organic-like odor
11:40	5.6'	500mL/min	19.19	1.381	0.42	7.3	-37	220	
11:45	5.6'	500mL/min	18.63	1.415	0.3	7.2	-28	80	
11:50	5.6'	500mL/min	18.49	1.419	0.25	7.2	-26	45	
11:55	5.6'	500mL/min	18.40	1.422	0.21	7.1	-27	25	
12:00	5.6'	500mL/min	18.46	1.427	0.19	7.1	-28	14	
12:05	5.6'	500mL/min	18.36	1.429	0.18	7.2	-29	9.7	
12:10	5.6'	500mL/min	18.41	1.429	0.19	7.1	-30	9	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 4 gallons purged. All parameters stabilized within 10%. Turbidity = 9 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF**
Date:	**07-14-03**	**Time:**	**13:31**
PID at surface:	**3.9 ppm**		

Well No: **MW13A**

Total Depth:	**12.1' TOC** **12.38' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**6.32' TOC** **6.6' TOM**	**Well Volume*:**	**0.957 gal**
Water Column (WC):	**5.78'**		**x3=2.87 gal.**
Depth to top of screen:	**2'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**12'**	**Geotech Geopump 2**	
Pump intake:	**9'**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
13:36	6.5'	500mL/min	18.47	2.85	2.39	7.3	-24	29	Slight petroleum-like odor
13:41	6.5'	500mL/min	18.17	2.7	0.8	7.1	-15	19	
13:46	6.5'	500mL/min	18.65	2.52	0.68	7.1	-1	7.7	Clear
13:51	6.5'	500mL/min	18.68	2.44	0.62	7.1	-7	2.3	
13:56	6.5'	500mL/min	18.77	2.34	0.55	7.1	-26	1.1	
14:01	6.5'	500mL/min	18.57	2.28	0.4	7.1	-39	0.45	
14:06	6.5'	500mL/min	18.53	2.24	0.98	7.1	-48	0.35	
14:11	6.5'	500mL/min	18.48	2.22	0.51	7.1	-48	0.9	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged. All parameters stabilized within 10%. Turbidity <1 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**JEF/MSS**
Date:	**07-15-03**	**Time:**	**13:30**
PID at surface:	**4.1 ppm**		

Well No: **MW14**

Total Depth:	**13.84' TOC** **14.47' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**8.77' TOC** **9.4' TOM**	**Well Volume*:**	**0.826 gal**
Water Column (WC):	**5.07**		**x3=2.48gal.**
Depth to top of screen:	**4'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**14'**	**Geotech Geopump 2**	
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
08:45	8.9'	500mL/min	17.51	0.983	1.95	6.6	-14	45	
08:50	8.9'	500mL/min	16.39	0.953	0.49	6.8	2	16	Moderate organic-like odor, clear
08:55	8.9'	500mL/min	16.48	0.957	0.41	6.8	5	11	
09:00	8.9'	500mL/min	16.58	0.96	0.36	6.8	5	10	
09:05	8.9'	500mL/min	16.57	0.956	0.34	6.8	6	7.2	
09:10	8.9'	500mL/min	16.82	0.96	0.32	6.8	6	6.2	
09:15	8.9'	500mL/min	16.75	0.955	0.35	6.8	6	6.3	
09:20	8.9'	500mL/min	15.90	0.948	0.24	6.8	7	4.4	
09:25	8.9'	500mL/min	15.90	0.95	0.3	6.8	7	3.2	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged. All parameters stabilized within 10%. Turbidity = 3.2 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**JEF/MSS**
Date:	**07-15-03**	**Time:**	**13:30**
PID at surface:	**ND**		

Well No: **MW15A**

Total Depth:	**13.8' TOC**	**14.1' TOM**	**Well Diameter:**
Depth to Water:	**9.38' TOC**	**9.65' TOM**	**Well Volume*:**
Water Column (WC):	**4.42'**		
Depth to top of screen:	**4'**		**Purging Device (pump type):**
Depth to bottom of screen:	**14'**		**Geotech Geopump 2**
Pump intake:			

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
13:35	9.5'	500mL/min	16.01	0.89	1.48	6.9	11	>1000	
13:40	9.5'	500mL/min	16.02	0.953	0.58	6.9	16	280	
13:45	9.5'	500mL/min	15.99	0.958	0.39	6.9	20	29	
13:50	9.5'	500mL/min	16.02	0.962	0.35	6.9	22	10	
13:55	9.5'	500mL/min	16.00	0.963	0.33	6.9	24	4.8	
14:00	9.5'	500mL/min	15.98	0.967	0.3	6.9	25	3.4	
14:05	9.5'	500mL/min	15.93	0.965	0.29	6.9	25	2.7	
14:10	9.5'	500mL/min	15.89	0.964	0.29	6.2	24	3.4	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 3 gallons purged. All parameters stabilized within 10%. Turbidity = 3.4 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/SDR/JEF**
Date:	**07-15-03**	**Time:**	**11:38**
PID at surface:	**ND**		

Well No: **MW16**

Total Depth:	**13.00' TOC** **13.54' TOM**	**Well Diameter:**	**2"**
Depth to Water:	**5.28' TOC** **5.81' TOM**	**Well Volume*:**	**1.26 gal**
Water Column (WC):	**7.72'**		**x3=3.78 gal.**
Depth to top of screen:	**3'**	**Purging Device (pump type):**	
Depth to bottom of screen:	**13'**	**Geotech Geopump 2**	
Pump intake:	**7"**		

*= 0.163 * WC for 2" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
11:46	5.4'	500mL/min	18.88	1.77	0.47	7.1	-1	17	
11:51	5.4'	500mL/min	18.69	1.79	0.29	7.1	-3	11	
11:56	5.4'	500mL/min	18.65	1.79	0.24	7.1	-4	5	
12:01	5.4'	500mL/min	18.69	1.78	0.2	7.1	-6	2.7	
12:06	5.4'	500mL/min	18.70	1.78	0.19	7.1	-7	1.7	
12:11	5.4'	500mL/min	18.69	1.78	0.19	7.1	-8	1.2	
12:16	5.4'	500mL/min	18.73	1.78	0.17	7.1	-9	1.1	
12:21	5.4'	500mL/min	18.72	1.78	0.17	7.1	-10	1.2	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 4 gallons purged. All parameters stabilized within 10%. Turbidity = 1.2 NTU.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 1

Job No:	**30260**	**Client:**	**Park Tower Realty**
Project Location:	**Greenpoint Lumber Yard, Brooklyn, NY**	**Sampled By:**	**MSS/JEF**
Date:	**07-14-03**	**Time:**	**14:35**
PID at surface:	**ND**		

Well No: **FOUND WELL**

Total Depth:	**18.83' TOC** **18.88' TOM**	**Well Diameter:**	**1"**
Depth to Water:	**5.2' TOC** **5.25' TOM**	**Well Volume*:**	**0.56 gal**
Water Column (WC):	**13.63"**		**x3=1.68 gal.**
Depth to top of screen:	**UNKNOWN**	**Purging Device (pump type):**	
Depth to bottom of screen:	**UNKNOWN**	**Geotech Geopump 2**	
Pump intake:	**10'**		

*= 0.041 * WC for 1" wells

Time	Depth to Water (Ft.)	Purge Rate	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
14:45	5.4'	500mL/min	17.15	1.41	0.38	7.4	-8	70	Red flakes - maybe rust floating in water column
14:50	5.4'	500mL/min	16.60	1.413	0.81	7.4	-8	7.5	
14:55	5.4'	500mL/min	16.62	1.403	0.32	7.4	-9	4.7	
15:00	5.4'	500mL/min	16.59	1.397	0.28	7.4	-9	4.3	
15:05	5.4'	500mL/min	16.53	1.398	0.24	7.4	-9	4.6	
15:10	5.4'	500mL/min	16.58	1.398	0.24	7.4	-11	4.4	

Purging Criteria: **Parameters stabilized within 10% <u>or</u> Turbidity < 10 NTU <u>or</u> 3 well volumes purged.**

Comments: **Approximately 2.5 gallons purged. All parameters stabilized within 10%. Turbidity = 4.4 NTU.**

APPENDIX C
CATEGORY A LABORATORY DELIVERABLES

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

ASP CATEGORY A
WORKORDER 0306116
AKRF, INC.
GREENPOINT LUMBER YARD
BROOKLYN, N.Y.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

COVER PAGE

July 28, 2003

Mimi Sotiriou
AKRF, Inc
116 East 27th Street
7th Floor
New York, NY 10016

TEL: (646) 459-3528
FAX (212) 726-0942

RE: Greenpoint Lumber Yard Brooklyn, NY

Order No.: 0306116

Dear Mimi Sotiriou:

American Analytical Laboratories, Inc. received 20 samples on 6/27/2003 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lori Beyer
Lab Director

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0306116

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306116-01A	B12 (0.5-2')		6/25/2003	6/27/2003
0306116-01B	B12 (0.5-2')		6/25/2003	6/27/2003
0306116-02A	B12 (5'-7')		6/25/2003	6/27/2003
0306116-02B	B12 (5'-7')		6/25/2003	6/27/2003
0306116-03A	B13 (0.5'-2')		6/25/2003	6/27/2003
0306116-03B	B13 (0.5'-2')		6/25/2003	6/27/2003
0306116-04A	B13 (5'-7')		6/25/2003	6/27/2003
0306116-04B	B13 (5'-7')		6/25/2003	6/27/2003
0306116-05A	MW-12 (0.5'-2')		6/25/2003	6/27/2003
0306116-05B	MW-12 (0.5'-2')		6/25/2003	6/27/2003
0306116-06A	MW12 (4.5'-5.5')		6/25/2003	6/27/2003
0306116-06B	MW12 (4.5'-5.5')		6/25/2003	6/27/2003
0306116-07A	MW13 (0.5'-2')		6/25/2003	6/27/2003
0306116-07B	MW13 (0.5'-2')		6/25/2003	6/27/2003
0306116-08A	MW13 (5'-7')		6/25/2003	6/27/2003
0306116-08B	MW13 (5'-7')		6/25/2003	6/27/2003
0306116-09A	B7R2 (5.5'-6.0')		6/25/2003	6/27/2003
0306116-09B	B7R2 (5.5'-6.0')		6/25/2003	6/27/2003
0306116-10A	B6 (0.5'-2')		6/25/2003	6/27/2003
0306116-10B	B6 (0.5'-2')		6/25/2003	6/27/2003
0306116-11A	B6 (6'-7')		6/25/2003	6/27/2003
0306116-11B	B6 (6'-7')		6/25/2003	6/27/2003
0306116-12A	MW6 (0.5-2')		6/25/2003	6/27/2003
0306116-12B	MW6 (0.5-2')		6/25/2003	6/27/2003
0306116-13A	MW6 (6'-7')		6/25/2003	6/27/2003
0306116-13B	MW6 (6'-7')		6/25/2003	6/27/2003
0306116-14A	MW8 (2'-4')		6/25/2003	6/27/2003
0306116-14B	MW8 (2'-4')		6/25/2003	6/27/2003
0306116-15A	MW8 (5'-6.5')		6/25/2003	6/27/2003
0306116-15B	MW8 (5'-6.5')		6/25/2003	6/27/2003
0306116-16A	B9 (14"-2.5')		6/25/2003	6/27/2003
0306116-16B	B9 (14"-2.5')		6/25/2003	6/27/2003
0306116-17A	B9 (5'-6')		6/25/2003	6/27/2003
0306116-17B	B9 (5'-6')		6/25/2003	6/27/2003
0306116-18A	B8 (0.5-2")		6/25/2003	6/27/2003
0306116-18B	B8 (0.5-2")		6/25/2003	6/27/2003
0306116-19A	B8 (8-10')		6/25/2003	6/27/2003
0306116-19B	B8 (8-10')		6/25/2003	6/27/2003

CLIENT:	AKRF, Inc
Project:	Greenpoint Lumber Yard Brooklyn, NY
Lab Order:	0306116

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306116-20A	MW10 (0.5-2')		6/25/2003	6/27/2003
0306116-20B	MW10 (0.5-2')		6/25/2003	6/27/2003

SDG NARRATIVE

SDG Narrative

AAL Work Order: : 0306116
Sample Matrix : Soil
Project : Greenpoint

INTRODUCTION
This narrative covers the analysis of twenty (20) soils in accordance with protocols based on SW846 Methods 8260, 8270, 8081, 8082, 6010 and 7470.

HOLDING TIMES
The analytical holding time for these analyses was met.

CALIBRATIONS
Initial Calibration: All required minimum RRFs and maximum %RSD requirements have been met in accordance with the method.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the method.

TUNE PERFORMANCE
All Tune (BFB) specifications met QC requirements.

METHOD BLANKS
The method blanks associated with these samples did not contain any target compounds at or above QC.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE/DUPLICATES
MS/MSD/Dup analysis was performed as required. Results are submitted as an appendix to this report. Spike recoveries and RPD fell within established ranges except where noted on the summary sheets. No laboratory action is required for MS/MSD outliers.

INTERNAL STANDARDS
All area responses and retention times fell within acceptable ranges.

SURROGATES (SYSTEM MONITORING COMPOUNDS)
Surrogate recoveries are summarized in the appendix to this report.

SAMPLE COMMENTS
Samples were analyzed as per the required protocols.

Semivolatile Analysis:
Semivolatile analysis of samples B12 (0.5-2'), MW-12 (0.5-2'), B9 (5'-6'), MW10 (0.5-2') were analyzed at 1:2 dilutions. Samples MW13 (0.5'-2'), MW6 (0.5'02'), B9 (14"-2.5'), B8 (8-10') were analyzed at 1:5 dilutions. B8 (8-10') was reanalyzed at a 1:50 dilution based upon target analyte concentrations.

MW13 (5'-7') was initially analyzed undiluted. Based upon target analyte concentrations the sample was reanalyzed at a 1:10 dilution

Sample B7R2 (5.5'-6.0') was analyzed at a 1:3 dilution.

Pesticide Analysis:
All samples were initially analyzed undiluted. Secondary dilutions were performed where the target concentrations exceeded the instruments linear calibration range.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his designee, as verified by the following signature." This statement shall be directly followed by signature of the Laboratory Manager or his designee with a typed line below it containing the signer's name and title, and the date of the signature.

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET
FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFERS

For reporting results, the following "Results Qualifers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		*VOA GC/MS METHOD #	*BNA GC/MS METHOD #	*VOA GC METHOD #	*PEST PCBs METHOD #	*METALS	*OTHER
0306116-01	B12(0.5-2')	8260	8270		8081/8082	6010/7470	
0306116-02	B12(5'-7')						
0306116-03	B13(0.5'-2')						
0306116-04	B13(5'-7')						
0306116-05	MW12(0.5-2')						
0306116-06	MW12(4.5-5.5)						
0306116-07	MW13(0.5-2')						
0306116-08	MW13(5-7)						
0306116-09	B7R2(5.5-6.0)						
0306116-10	B6(0.5-2')						
0306116-11	B6(6'-7')						
0306116-12	MW6(0.5-2')						
0306116-13	MW6(6'-7')						
0306116-14	MW8(2'-4')						
0306116-15	MW8(5'-6.5')						
0306116-16	B9(14"-2.5')						

0306116-17 B9(5'-6')
0306116-18 B8(0.5-2')
0306116-19 B8(8'-10')
0306116-20 MW10(0.5-2')

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306116-01	SOIL	6/25/03	06/27/03	07/02/03	07/03/03
0306116-02					07/01/03
0306116-03					07/01/03
0306116-04					07/01/03
0306116-05					
0306116-06					
0306116-07					07/03/03
0306116-08					07/03/03, 07/07/03
0306116-09					07/02/03
0306116-10					07/01/03, 07/03/03
0306116-11					07/01/03
0306116-12					07/03/03
0306116-13					07/07/03
0306116-14					07/02/03
0306116-15					07/02/03
0306116-16					07/03/03
0306116-17					07/07/03
0306116-18					07/03/03
0306116-19					07/03/03, 07/07/0
0306116-20					07/03/03

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306116-01	SOIL	06/25/03	06/27/03	NA	06/30/03
0306116-02					
0306116-03					
0306116-04					
0306116-05					
0306116-06					
0306116-07					07/01/03
0306116-08					
0306116-09					
0306116-10					
0306116-11					
0306116-12					
0306116-13					
0306116-14					
0306116-15					
0306116-16					
0306116-17					
0306116-18					
0306116-19					
0306116-20					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE / PCB
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306116-01	SOIL	06/25/03	06/27/03	07/01/03	07/03/03 07/08/03
0306116-02					↓
0306116-03					07/03/03
0306116-04					↓
0306116-05					07/04/03
0306116-06					↓
0306116-07					07/09/03
0306116-08					07/04/03
0306116-09					
0306116-10					
0306116-11					
0306116-12					
0306116-13					↓
0306116-14					07/08/03
0306116-15					07/04/03
0306116-16					07/04/03
0306116-17					07/09/03
0306116-18					07/08/03
0306116-19					07/04/03
0306116-20					07/08/03, 07/09/03

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILLARY CLEAN UP	DIL / CONC. FACTOR
0306116-01	SOIL	SW846 3580/8270	3550 ~~(EPA)~~ (SONC)	NA	2
0306116-02					1
0306116-03					1
0306116-04					1
0306116-05					2
0306116-06					1
0306116-07					5
0306116-08					1,10
0306116-09					3
0306116-10					1,5
0306116-11					1
0306116-12					5
0306116-13					1
0306116-14					1
0306116-15					1
0306116-16					5
0306116-17					2
0306116-18					1
0306116-19					5,50
0306116-20					2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE ANALYZED
0306116-01	SOIL	TAL (23)	6/27/03	07/02/03, 07/03/03
0306116-02				
0306116-03				
0306116-04				
0306116-05				
0306116-06				
0306116-07				
0306116-08				
0306116-09				
0306116-10				
0306116-11				
0306116-12				
0306116-13				
0306116-14				
0306116-15				
0306116-16				
0306116-17				
0306116-18				
0306116-19				
0306116-20				

CHAIN OF CUSTODY FORMS

Sheet 1 of 2

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH	ELAP	11418
CTDOH	PH-0205	
NJDEP	NY050	
PADEP	68-573	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ARF Inc. Mimi Sotiriou

CONTACT: 646-459-3528, 917-612-7877

SAMPLER (SIGNATURE): M Sotiriou

DATE: 6/25/03

TIME:

SAMPLE(S) SEALED: YES / NO

SAMPLER NAME (PRINT): Mimi Sotiriou

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION: 30260-0006 Greenpoint Lumber Yard, Brooklyn

ANALYSIS REQUIRED: VOC 8260, SVOC 8270, PCB 8082, Pest 8082, TAL Metal

FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	VOC 8260	SVOC 8270	PCB 8082	Pest 8082	TAL Metal
0306116-01A,B	S			B12 [redacted] (0.5-2')	X	X	X	X	X
0306116-02A,B				B12 (5'-7')					
0306116-03A,B				B13 ~~[illegible]~~ (0.5'-2')					
0306116-04A,B				B13 (5'-7')					
0306116-05A,B				~~MW~~-12 (0.5'-2')					
0306116-06A,B				MW12 (4.5-5.5)					
0306116-07A,B				MW13 (0.5-2')					
0306116-08A,B				MW13 (5-7)					
				~~[illegible]~~					
				~~[illegible]~~					
0306116-09A,B				B7R2 (5.5-6.0)					

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL

TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 12:00		[signature]	6-27-03 2:00 pm	Christy Dana
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

Sheet 2 of 5

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH	ELAP	11418
CTDOH	PH-0205	
NJDEP	NY050	
PADEP	68-573	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ARF, Inc.
CONTACT: 917-612-7877
Mimi Sotiriou 646-459-3528

SAMPLER (SIGNATURE): M Sotiriou
DATE: 6/25/03 TIME: 1600
SAMPLER NAME (PRINT): M. Sotiriou
SAMPLE(S) SEALED: YES NO
CORRECT CONTAINER(S): YES NO

PROJECT LOCATION: 30260-0006
Greenpoint Lumber Yard Brooklyn, NY

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260 VOC	SVOC 8270	PCB 8081	Pest 8082	TAL Metals	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0306116-10A,B	S			B6 (0.5'-2')	X	X	X	X	X	
0306116-11A,11B				B6 (6'-7')						
0306116-12A,12B				MW6 (0.5'-2')						
0306116-13A,B				MW6 (6'-7')						
0306116-14A,B				MW8 (2'-4')						
0306116-15A,B				MW8 (5'-6.5')						
0306116-16A,B				B9 (14"-2.5')						
0306116-17A,B				B9 (5'-6')						
0306116-18A,18B				B8 ~~(5'-2')~~ (0.5-2')						
0306116-19A,19B				B8 (8'-10')						
0306116-20A,20B				MW10 (0.5-2')						
				MW10 (5'-7')						

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BU_K MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ -BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 1200	M. Sotiriou	Chris Dunn	6-27-03 2:Pm	Christopher Dunn
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

E-O E / C RY-L/ PINK- PLE ODI GOLI OD- NT

GC/MS VOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 7:33:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 7:33:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 7:33:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 7:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 9:26:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 9:26:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 9:26:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 9:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 10:04:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM

Qualifiers:

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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 10:04:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 10:04:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 10:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 10:42:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM

Qualifiers:

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 10:42:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 10:42:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM

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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 10:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 11:20:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 11:20:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 11:20:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 11:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2-Butanone	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
2-Hexanone	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Acetone	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Acrolein	U	25		µg/Kg	1	6/30/2003 11:58:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Benzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromoform	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Bromomethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chloroethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chloroform	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Chloromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Dibromomethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Ethanol	U	25		µg/Kg	1	6/30/2003 11:58:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Freon-114	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
m,p-Xylene	U	10		µg/Kg	1	6/30/2003 11:58:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Methylene chloride	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Naphthalene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
o-Xylene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Styrene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Toluene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Trichloroethene	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	6/30/2003 11:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 12:36:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 12:36:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 12:36:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 12:36:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 1:14:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 1:14:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 1:14:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 1:14:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 1:52:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 1:52:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 1:52:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 1:52:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 2:30:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 2:30:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 2:30:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 3:08:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 3:08:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 3:08:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 3:46:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 3:46:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 3:46:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 AM

Qualifiers:

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 6:55:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 6:55:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 6:55:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 7:33:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 7:33:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 7:33:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 7:33:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 8:11:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 8:11:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 8:11:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 8:49:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Benzene	2	5.0	J	µg/Kg	1	7/1/2003 8:49:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 8:49:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 8:49:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 8:49:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 9:27:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 9:27:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 9:27:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 9:27:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10.05:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 10:05:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 10:05:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 10:05:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 10:05:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 10:43:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chloroform	6.2	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 10:43:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 10:43:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 10:43:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Acetone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Acrolein	U	25		µg/Kg	1	7/1/2003 11:21:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Benzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Ethanol	U	25		µg/Kg	1	7/1/2003 11:21:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 11:21:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Styrene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Toluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

GC/MS SEMIVOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Methylnaphthalene	290	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
3,3´-Dichlorobenzidine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Acenaphthene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Acenaphthylene	130	80		µg/Kg	2	7/3/2003 4:01:00 PM
Aniline	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Anthracene	230	80		µg/Kg	2	7/3/2003 4:01:00 PM
Azobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzidine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(a)anthracene	1000	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(a)pyrene	1000	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(b)fluoranthene	1300	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(g,h,i)perylene	860	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzo(k)fluoranthene	520	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzoic acid	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Bis(2-ethylhexyl)phthalate	370	80		µg/Kg	2	7/3/2003 4:01:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Carbazole	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Chrysene	1200	80		µg/Kg	2	7/3/2003 4:01:00 PM
Dibenzo(a,h)anthracene	210	80		µg/Kg	2	7/3/2003 4:01:00 PM
Dibenzofuran	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Fluoranthene	1700	80		µg/Kg	2	7/3/2003 4:01:00 PM
Fluorene	110	80		µg/Kg	2	7/3/2003 4:01:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Indeno(1,2,3-c,d)pyrene	800	80		µg/Kg	2	7/3/2003 4:01:00 PM
Isophorone	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Naphthalene	170	80		µg/Kg	2	7/3/2003 4:01:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Phenanthrene	1000	80		µg/Kg	2	7/3/2003 4:01:00 PM
Phenol	U	80		µg/Kg	2	7/3/2003 4:01:00 PM
Pyrene	1800	80		µg/Kg	2	7/3/2003 4:01:00 PM
Pyridine	U	80		µg/Kg	2	7/3/2003 4:01:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Acenaphthene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Anthracene	63	40		µg/Kg	1	7/1/2003 5:52:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(a)anthracene	150	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(a)pyrene	110	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(b)fluoranthene	130	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(g,h,i)perylene	70	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzo(k)fluoranthene	57	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzoic acid	150	40		µg/Kg	1	7/1/2003 5:52:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Carbazole	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Chrysene	160	40		µg/Kg	1	7/1/2003 5:52:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Fluoranthene	330	40		µg/Kg	1	7/1/2003 5:52:00 PM
Fluorene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Indeno(1,2,3-c,d)pyrene	71	40		µg/Kg	1	7/1/2003 5:52:00 PM
Isophorone	55	40		µg/Kg	1	7/1/2003 5:52:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Phenanthrene	250	40		µg/Kg	1	7/1/2003 5:52:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 5:52:00 PM
Pyrene	320	40		µg/Kg	1	7/1/2003 5:52:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 5:52:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Acenaphthene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Anthracene	46	40		µg/Kg	1	7/1/2003 7:33:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(a)anthracene	540	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(a)pyrene	890	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(b)fluoranthene	1500	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(g,h,i)perylene	1000	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzo(k)fluoranthene	410	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzoic acid	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Bis(2-ethylhexyl)phthalate	72	40		µg/Kg	1	7/1/2003 7:33:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Carbazole	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Chrysene	760	40		µg/Kg	1	7/1/2003 7:33:00 PM
Dibenzo(a,h)anthracene	240	40		µg/Kg	1	7/1/2003 7:33:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Fluoranthene	540	40		µg/Kg	1	7/1/2003 7:33:00 PM
Fluorene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Indeno(1,2,3-c,d)pyrene	920	40		µg/Kg	1	7/1/2003 7:33:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Phenanthrene	250	40		µg/Kg	1	7/1/2003 7:33:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 7:33:00 PM
Pyrene	580	40		µg/Kg	1	7/1/2003 7:33:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 7:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Acenaphthene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Anthracene	67	40		µg/Kg	1	7/1/2003 6:42:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(a)anthracene	230	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(a)pyrene	220	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(b)fluoranthene	240	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(g,h,i)perylene	130	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzo(k)fluoranthene	100	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzoic acid	99	40		µg/Kg	1	7/1/2003 6:42:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Carbazole	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Chrysene	240	40		µg/Kg	1	7/1/2003 6:42:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Fluoranthene	440	40		µg/Kg	1	7/1/2003 6:42:00 PM
Fluorene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Indeno(1,2,3-c,d)pyrene	140	40		µg/Kg	1	7/1/2003 6:42:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Phenanthrene	330	40		µg/Kg	1	7/1/2003 6:42:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 6:42:00 PM
Pyrene	410	40		µg/Kg	1	7/1/2003 6:42:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 6:42:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Methylnaphthalene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Acenaphthene	70	80	J	µg/Kg	2	7/1/2003 9:16:00 PM
Acenaphthylene	60	80	J	µg/Kg	2	7/1/2003 9:16:00 PM
Aniline	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Anthracene	300	80		µg/Kg	2	7/1/2003 9:16:00 PM
Azobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzidine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(a)anthracene	570	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(a)pyrene	520	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(b)fluoranthene	570	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(g,h,i)perylene	330	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzo(k)fluoranthene	230	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzoic acid	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Carbazole	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Chrysene	540	80		µg/Kg	2	7/1/2003 9:16:00 PM
Dibenzo(a,h)anthracene	80	80	J	µg/Kg	2	7/1/2003 9:16:00 PM
Dibenzofuran	60	80	J	µg/Kg	2	7/1/2003 9:16:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Fluoranthene	1400	80		µg/Kg	2	7/1/2003 9:16:00 PM
Fluorene	110	80		µg/Kg	2	7/1/2003 9:16:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Indeno(1,2,3-c,d)pyrene	350	80		µg/Kg	2	7/1/2003 9:16:00 PM
Isophorone	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Naphthalene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Phenanthrene	1100	80		µg/Kg	2	7/1/2003 9:16:00 PM
Phenol	U	80		µg/Kg	2	7/1/2003 9:16:00 PM
Pyrene	1100	80		µg/Kg	2	7/1/2003 9:16:00 PM
Pyridine	U	80		µg/Kg	2	7/1/2003 9:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Acenaphthene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Anthracene	55	40		µg/Kg	1	7/1/2003 10:03:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(a)anthracene	150	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(a)pyrene	170	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(b)fluoranthene	210	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(g,h,i)perylene	110	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzo(k)fluoranthene	62	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzoic acid	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Carbazole	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Chrysene	160	40		µg/Kg	1	7/1/2003 10:03:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Fluoranthene	310	40		µg/Kg	1	7/1/2003 10:03:00 PM
Fluorene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Indeno(1,2,3-c,d)pyrene	120	40		µg/Kg	1	7/1/2003 10:03:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Phenanthrene	220	40		µg/Kg	1	7/1/2003 10:03:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 10:03:00 PM
Pyrene	310	40		µg/Kg	1	7/1/2003 10:03:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 10:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
1,2-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
1,3-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
1,4-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4,5-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4,6-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4-Dichlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4-Dimethylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4-Dinitrophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,4-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2,6-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Chloronaphthalene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Chlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Methylnaphthalene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Methylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Nitroaniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
2-Nitrophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
3,3'-Dichlorobenzidine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
3+4-Methylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
3-Nitroaniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4,6-Dinitro-2-methylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Bromophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Chloro-3-methylphenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Chloroaniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Chlorophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Nitroaniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
4-Nitrophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Acenaphthene	220	200		µg/Kg	5	7/3/2003 4:39:00 PM
Acenaphthylene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Aniline	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Anthracene	350	200		µg/Kg	5	7/3/2003 4:39:00 PM
Azobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzidine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(a)anthracene	810	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(a)pyrene	820	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(b)fluoranthene	1100	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(g,h,i)perylene	570	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzo(k)fluoranthene	250	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzoic acid	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Benzyl alcohol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Bis(2-chloroethyl)ether	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Bis(2-chloroisopropyl)ether	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Bis(2-ethylhexyl)phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Butyl benzyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Carbazole	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Chrysene	920	200		µg/Kg	5	7/3/2003 4:39:00 PM
Dibenzo(a,h)anthracene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Dibenzofuran	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Diethyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Dimethyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Di-n-butyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Di-n-octyl phthalate	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Fluoranthene	1800	200		µg/Kg	5	7/3/2003 4:39:00 PM
Fluorene	280	200		µg/Kg	5	7/3/2003 4:39:00 PM
Hexachlorobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Hexachlorobutadiene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Hexachlorocyclopentadiene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Hexachloroethane	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Indeno(1,2,3-c,d)pyrene	590	200		µg/Kg	5	7/3/2003 4:39:00 PM
Isophorone	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Naphthalene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Nitrobenzene	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
N-Nitrosodimethylamine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
N-Nitrosodi-n-propylamine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
N-Nitrosodiphenylamine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Pentachlorophenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Phenanthrene	1800	200		µg/Kg	5	7/3/2003 4:39:00 PM
Phenol	U	200		µg/Kg	5	7/3/2003 4:39:00 PM
Pyrene	1700	200		µg/Kg	5	7/3/2003 4:39:00 PM
Pyridine	U	200		µg/Kg	5	7/3/2003 4:39:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Methylnaphthalene	64	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Acenaphthene	530	40		µg/Kg	1	7/3/2003 3:23:00 PM
Acenaphthylene	120	40		µg/Kg	1	7/3/2003 3:23:00 PM
Aniline	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Anthracene	1600	40		µg/Kg	1	7/3/2003 3:23:00 PM
Azobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzidine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzo(a)anthracene	4100	400		µg/Kg	10	7/7/2003 12:57:00 PM
Benzo(a)pyrene	3600	400		µg/Kg	10	7/7/2003 12:57:00 PM
Benzo(b)fluoranthene	4300	400		µg/Kg	10	7/7/2003 12:57:00 PM
Benzo(g,h,i)perylene	2000	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzo(k)fluoranthene	1700	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzoic acid	120	40		µg/Kg	1	7/3/2003 3:23:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Bis(2-ethylhexyl)phthalate	43	40		µg/Kg	1	7/3/2003 3:23:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Carbazole	480	40		µg/Kg	1	7/3/2003 3:23:00 PM
Chrysene	4000	400		µg/Kg	10	7/7/2003 12:57:00 PM
Dibenzo(a,h)anthracene	580	40		µg/Kg	1	7/3/2003 3:23:00 PM
Dibenzofuran	400	40		µg/Kg	1	7/3/2003 3:23:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Fluoranthene	8400	400		µg/Kg	10	7/7/2003 12:57:00 PM
Fluorene	630	40		µg/Kg	1	7/3/2003 3:23:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Indeno(1,2,3-c,d)pyrene	2200	40		µg/Kg	1	7/3/2003 3:23:00 PM
Isophorone	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Naphthalene	110	40		µg/Kg	1	7/3/2003 3:23:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Phenanthrene	4800	400		µg/Kg	10	7/7/2003 12:57:00 PM
Phenol	U	40		µg/Kg	1	7/3/2003 3:23:00 PM
Pyrene	7100	400		µg/Kg	10	7/7/2003 12:57:00 PM
Pyridine	U	40		µg/Kg	1	7/3/2003 3:23:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
1,2-Dichlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
1,3-Dichlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
1,4-Dichlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4,5-Trichlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4,6-Trichlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4-Dichlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4-Dimethylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4-Dinitrophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,4-Dinitrotoluene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2,6-Dinitrotoluene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Chloronaphthalene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Chlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Methylnaphthalene	230	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Methylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Nitroaniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
2-Nitrophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
3,3´-Dichlorobenzidine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
3+4-Methylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
3-Nitroaniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4,6-Dinitro-2-methylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Bromophenyl phenyl ether	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Chloro-3-methylphenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Chloroaniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Chlorophenyl phenyl ether	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Nitroaniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
4-Nitrophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Acenaphthene	330	120		µg/Kg	3	7/2/2003 4:21:00 PM
Acenaphthylene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Aniline	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Anthracene	870	120		µg/Kg	3	7/2/2003 4:21:00 PM
Azobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzidine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(a)anthracene	1500	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(a)pyrene	1300	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(b)fluoranthene	1500	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(g,h,i)perylene	660	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzo(k)fluoranthene	540	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzoic acid	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Benzyl alcohol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Bis(2-chloroethyl)ether	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Bis(2-chloroisopropyl)ether	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Bis(2-ethylhexyl)phthalate	260	120		µg/Kg	3	7/2/2003 4:21:00 PM
Butyl benzyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Carbazole	400	120		µg/Kg	3	7/2/2003 4:21:00 PM
Chrysene	1500	120		µg/Kg	3	7/2/2003 4:21:00 PM
Dibenzo(a,h)anthracene	260	120		µg/Kg	3	7/2/2003 4:21:00 PM
Dibenzofuran	410	120		µg/Kg	3	7/2/2003 4:21:00 PM
Diethyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Dimethyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Di-n-butyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Di-n-octyl phthalate	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Fluoranthene	3200	120		µg/Kg	3	7/2/2003 4:21:00 PM
Fluorene	630	120		µg/Kg	3	7/2/2003 4:21:00 PM
Hexachlorobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Hexachlorobutadiene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Hexachlorocyclopentadiene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Hexachloroethane	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Indeno(1,2,3-c,d)pyrene	710	120		µg/Kg	3	7/2/2003 4:21:00 PM
Isophorone	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Naphthalene	570	120		µg/Kg	3	7/2/2003 4:21:00 PM
Nitrobenzene	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
N-Nitrosodimethylamine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
N-Nitrosodi-n-propylamine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
N-Nitrosodiphenylamine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Pentachlorophenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Phenanthrene	4000	120		µg/Kg	3	7/2/2003 4:21:00 PM
Phenol	U	120		µg/Kg	3	7/2/2003 4:21:00 PM
Pyrene	2900	120		µg/Kg	3	7/2/2003 4:21:00 PM
Pyridine	U	120		µg/Kg	3	7/2/2003 4:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Methylnaphthalene	170	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
3+4-Methylphenol	55	40		µg/Kg	1	7/1/2003 10:50:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Acenaphthene	320	40		µg/Kg	1	7/1/2003 10:50:00 PM
Acenaphthylene	110	40		µg/Kg	1	7/1/2003 10:50:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Anthracene	670	40		µg/Kg	1	7/1/2003 10:50:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(a)anthracene	1300	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(a)pyrene	1000	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(b)fluoranthene	1300	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(g,h,i)perylene	550	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzo(k)fluoranthene	410	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzoic acid	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Bis(2-ethylhexyl)phthalate	81	40		µg/Kg	1	7/1/2003 10:50:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Carbazole	290	40		µg/Kg	1	7/1/2003 10:50:00 PM
Chrysene	1300	40		µg/Kg	1	7/1/2003 10:50:00 PM
Dibenzo(a,h)anthracene	180	40		µg/Kg	1	7/1/2003 10:50:00 PM
Dibenzofuran	270	40		µg/Kg	1	7/1/2003 10:50:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Fluoranthene	3100	200		µg/Kg	5	7/3/2003 2:44:00 PM
Fluorene	350	40		µg/Kg	1	7/1/2003 10:50:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Indeno(1,2,3-c,d)pyrene	610	40		µg/Kg	1	7/1/2003 10:50:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Naphthalene	300	40		µg/Kg	1	7/1/2003 10:50:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Phenanthrene	3200	200		µg/Kg	5	7/3/2003 2:44:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 10:50:00 PM
Pyrene	2400	40		µg/Kg	1	7/1/2003 10:50:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 10:50:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Acenaphthene	200	40		µg/Kg	1	7/1/2003 11:35:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Aniline	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Anthracene	380	40		µg/Kg	1	7/1/2003 11:35:00 PM
Azobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzidine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(a)anthracene	730	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(a)pyrene	610	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(b)fluoranthene	720	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(g,h,i)perylene	290	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzo(k)fluoranthene	210	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzoic acid	140	40		µg/Kg	1	7/1/2003 11:35:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Carbazole	130	40		µg/Kg	1	7/1/2003 11:35:00 PM
Chrysene	720	40		µg/Kg	1	7/1/2003 11:35:00 PM
Dibenzo(a,h)anthracene	99	40		µg/Kg	1	7/1/2003 11:35:00 PM
Dibenzofuran	84	40		µg/Kg	1	7/1/2003 11:35:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Fluoranthene	1500	40		µg/Kg	1	7/1/2003 11:35:00 PM
Fluorene	180	40		µg/Kg	1	7/1/2003 11:35:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Indeno(1,2,3-c,d)pyrene	340	40		µg/Kg	1	7/1/2003 11:35:00 PM
Isophorone	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Naphthalene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Phenanthrene	1400	40		µg/Kg	1	7/1/2003 11:35:00 PM
Phenol	U	40		µg/Kg	1	7/1/2003 11:35:00 PM
Pyrene	1300	40		µg/Kg	1	7/1/2003 11:35:00 PM
Pyridine	U	40		µg/Kg	1	7/1/2003 11:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
1,2-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
1,3-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
1,4-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4,5-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4,6-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4-Dichlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4-Dimethylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4-Dinitrophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,4-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2,6-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Chloronaphthalene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Chlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Methylnaphthalene	240	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Methylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Nitroaniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
2-Nitrophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
3,3´-Dichlorobenzidine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
3+4-Methylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
3-Nitroaniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4,6-Dinitro-2-methylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Bromophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Chloro-3-methylphenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Chloroaniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Chlorophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Nitroaniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
4-Nitrophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Acenaphthene	1400	200		µg/Kg	5	7/3/2003 6:55:00 PM
Acenaphthylene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Aniline	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Anthracene	1600	200		µg/Kg	5	7/3/2003 6:55:00 PM
Azobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzidine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(a)anthracene	4900	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(a)pyrene	4000	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(b)fluoranthene	4800	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(g,h,i)perylene	2500	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzo(k)fluoranthene	1800	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzoic acid	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Benzyl alcohol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Bis(2-chloroethyl)ether	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Bis(2-chloroisopropyl)ether	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Bis(2-ethylhexyl)phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Butyl benzyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Carbazole	620	200		µg/Kg	5	7/3/2003 6:55:00 PM
Chrysene	4800	200		µg/Kg	5	7/3/2003 6:55:00 PM
Dibenzo(a,h)anthracene	600	200		µg/Kg	5	7/3/2003 6:55:00 PM
Dibenzofuran	530	200		µg/Kg	5	7/3/2003 6:55:00 PM
Diethyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Dimethyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Di-n-butyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Di-n-octyl phthalate	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Fluoranthene	11000	200		µg/Kg	5	7/3/2003 6:55:00 PM
Fluorene	910	200		µg/Kg	5	7/3/2003 6:55:00 PM
Hexachlorobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Hexachlorobutadiene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Hexachlorocyclopentadiene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Hexachloroethane	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Indeno(1,2,3-c,d)pyrene	2500	200		µg/Kg	5	7/3/2003 6:55:00 PM
Isophorone	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Naphthalene	320	200		µg/Kg	5	7/3/2003 6:55:00 PM
Nitrobenzene	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
N-Nitrosodimethylamine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
N-Nitrosodi-n-propylamine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
N-Nitrosodiphenylamine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Pentachlorophenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Phenanthrene	11000	200		µg/Kg	5	7/3/2003 6:55:00 PM
Phenol	U	200		µg/Kg	5	7/3/2003 6:55:00 PM
Pyrene	10000	200		µg/Kg	5	7/3/2003 6:55:00 PM
Pyridine	U	200		µg/Kg	5	7/3/2003 6:55:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Methylnaphthalene	82	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Acenaphthene	420	40		µg/Kg	1	7/7/2003 1:38:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Aniline	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Anthracene	790	40		µg/Kg	1	7/7/2003 1:38:00 PM
Azobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzidine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(a)anthracene	970	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(a)pyrene	730	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(b)fluoranthene	860	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(g,h,i)perylene	360	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzo(k)fluoranthene	260	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzoic acid	150	40		µg/Kg	1	7/7/2003 1:38:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Carbazole	310	40		µg/Kg	1	7/7/2003 1:38:00 PM
Chrysene	870	40		µg/Kg	1	7/7/2003 1:38:00 PM
Dibenzo(a,h)anthracene	110	40		µg/Kg	1	7/7/2003 1:38:00 PM
Dibenzofuran	220	40		µg/Kg	1	7/7/2003 1:38:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Fluoranthene	2100	40		µg/Kg	1	7/7/2003 1:38:00 PM
Fluorene	420	40		µg/Kg	1	7/7/2003 1:38:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Indeno(1,2,3-c,d)pyrene	380	40		µg/Kg	1	7/7/2003 1:38:00 PM
Isophorone	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Naphthalene	73	40		µg/Kg	1	7/7/2003 1:38:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Phenanthrene	2600	40		µg/Kg	1	7/7/2003 1:38:00 PM
Phenol	U	40		µg/Kg	1	7/7/2003 1:38:00 PM
Pyrene	1900	40		µg/Kg	1	7/7/2003 1:38:00 PM
Pyridine	U	40		µg/Kg	1	7/7/2003 1:38:00 PM

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Methylnaphthalene	340	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Acenaphthene	58	40		µg/Kg	1	7/2/2003 12:21:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Aniline	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Anthracene	110	40		µg/Kg	1	7/2/2003 12:21:00 AM
Azobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzidine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(a)anthracene	340	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(a)pyrene	280	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(b)fluoranthene	400	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(g,h,i)perylene	240	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzo(k)fluoranthene	130	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzoic acid	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Bis(2-ethylhexyl)phthalate	90	40		µg/Kg	1	7/2/2003 12:21:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Carbazole	67	40		µg/Kg	1	7/2/2003 12:21:00 AM
Chrysene	430	40		µg/Kg	1	7/2/2003 12:21:00 AM
Dibenzo(a,h)anthracene	67	40		µg/Kg	1	7/2/2003 12:21:00 AM
Dibenzofuran	65	40		µg/Kg	1	7/2/2003 12:21:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Fluoranthene	720	40		µg/Kg	1	7/2/2003 12:21:00 AM
Fluorene	130	40		µg/Kg	1	7/2/2003 12:21:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Indeno(1,2,3-c,d)pyrene	220	40		µg/Kg	1	7/2/2003 12:21:00 AM
Isophorone	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Naphthalene	230	40		µg/Kg	1	7/2/2003 12:21:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Phenanthrene	810	40		µg/Kg	1	7/2/2003 12:21:00 AM
Phenol	U	40		µg/Kg	1	7/2/2003 12:21:00 AM
Pyrene	630	40		µg/Kg	1	7/2/2003 12:21:00 AM
Pyridine	U	40		µg/Kg	1	7/2/2003 12:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Acenaphthene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Aniline	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Anthracene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Azobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzidine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(a)anthracene	94	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(a)pyrene	88	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(b)fluoranthene	110	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(g,h,i)perylene	50	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzoic acid	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Carbazole	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Chrysene	97	40		µg/Kg	1	7/2/2003 8:14:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Fluoranthene	170	40		µg/Kg	1	7/2/2003 8:14:00 PM
Fluorene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Indeno(1,2,3-c,d)pyrene	55	40		µg/Kg	1	7/2/2003 8:14:00 PM
Isophorone	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Naphthalene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Phenanthrene	110	40		µg/Kg	1	7/2/2003 8:14:00 PM
Phenol	U	40		µg/Kg	1	7/2/2003 8:14:00 PM
Pyrene	150	40		µg/Kg	1	7/2/2003 8:14:00 PM
Pyridine	U	40		µg/Kg	1	7/2/2003 8:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
1,2-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
1,3-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
1,4-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4,5-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4,6-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4-Dichlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4-Dimethylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4-Dinitrophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,4-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2,6-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Chloronaphthalene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Chlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Methylnaphthalene	300	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Methylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Nitroaniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
2-Nitrophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
3,3'-Dichlorobenzidine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
3+4-Methylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
3-Nitroaniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4,6-Dinitro-2-methylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Bromophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Chloro-3-methylphenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Chloroaniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Chlorophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Nitroaniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
4-Nitrophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Acenaphthene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Acenaphthylene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Aniline	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Anthracene	330	200		µg/Kg	5	7/3/2003 7:39:00 PM
Azobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzidine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(a)anthracene	920	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(a)pyrene	980	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(b)fluoranthene	1300	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(g,h,i)perylene	1300	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzo(k)fluoranthene	370	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzoic acid	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Benzyl alcohol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Bis(2-chloroethyl)ether	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Bis(2-chloroisopropyl)ether	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Bis(2-ethylhexyl)phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Butyl benzyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Carbazole	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Chrysene	1200	200		µg/Kg	5	7/3/2003 7:39:00 PM
Dibenzo(a,h)anthracene	250	200		µg/Kg	5	7/3/2003 7:39:00 PM
Dibenzofuran	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Diethyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Dimethyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Di-n-butyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Di-n-octyl phthalate	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Fluoranthene	1800	200		µg/Kg	5	7/3/2003 7:39:00 PM
Fluorene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Hexachlorobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Hexachlorobutadiene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Hexachlorocyclopentadiene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Hexachloroethane	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Indeno(1,2,3-c,d)pyrene	810	200		µg/Kg	5	7/3/2003 7:39:00 PM
Isophorone	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Naphthalene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Nitrobenzene	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
N-Nitrosodimethylamine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
N-Nitrosodi-n-propylamine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
N-Nitrosodiphenylamine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Pentachlorophenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Phenanthrene	1600	200		µg/Kg	5	7/3/2003 7:39:00 PM
Phenol	U	200		µg/Kg	5	7/3/2003 7:39:00 PM
Pyrene	2000	200		µg/Kg	5	7/3/2003 7:39:00 PM
Pyridine	U	200		µg/Kg	5	7/3/2003 7:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Methylnaphthalene	440	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Acenaphthene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Acenaphthylene	180	80		µg/Kg	2	7/7/2003 2:19:00 PM
Aniline	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Anthracene	360	80		µg/Kg	2	7/7/2003 2:19:00 PM
Azobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzidine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(a)anthracene	1700	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(a)pyrene	1700	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(b)fluoranthene	2300	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(g,h,i)perylene	1300	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzo(k)fluoranthene	640	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzoic acid	330	80		µg/Kg	2	7/7/2003 2:19:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Carbazole	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Chrysene	1900	80		µg/Kg	2	7/7/2003 2:19:00 PM
Dibenzo(a,h)anthracene	360	80		µg/Kg	2	7/7/2003 2:19:00 PM
Dibenzofuran	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Fluoranthene	2900	80		µg/Kg	2	7/7/2003 2:19:00 PM
Fluorene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Indeno(1,2,3-c,d)pyrene	1300	80		µg/Kg	2	7/7/2003 2:19:00 PM
Isophorone	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Naphthalene	220	80		µg/Kg	2	7/7/2003 2:19:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Phenanthrene	1700	80		µg/Kg	2	7/7/2003 2:19:00 PM
Phenol	U	80		µg/Kg	2	7/7/2003 2:19:00 PM
Pyrene	2800	80		µg/Kg	2	7/7/2003 2:19:00 PM
Pyridine	U	80		µg/Kg	2	7/7/2003 2:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Methylnaphthalene	100	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Acenaphthene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Acenaphthylene	53	40		µg/Kg	1	7/3/2003 5:29:00 PM
Aniline	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Anthracene	91	40		µg/Kg	1	7/3/2003 5:29:00 PM
Azobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzidine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(a)anthracene	470	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(a)pyrene	480	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(b)fluoranthene	660	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(g,h,i)perylene	540	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzo(k)fluoranthene	200	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzoic acid	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Bis(2-ethylhexyl)phthalate	130	40		µg/Kg	1	7/3/2003 5:29:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Carbazole	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Chrysene	570	40		µg/Kg	1	7/3/2003 5:29:00 PM
Dibenzo(a,h)anthracene	110	40		µg/Kg	1	7/3/2003 5:29:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Di-n-butyl phthalate	54	40		µg/Kg	1	7/3/2003 5:29:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Fluoranthene	710	40		µg/Kg	1	7/3/2003 5:29:00 PM
Fluorene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Indeno(1,2,3-c,d)pyrene	450	40		µg/Kg	1	7/3/2003 5:29:00 PM
Isophorone	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Naphthalene	56	40		µg/Kg	1	7/3/2003 5:29:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Phenanthrene	440	40		µg/Kg	1	7/3/2003 5:29:00 PM
Phenol	U	40		µg/Kg	1	7/3/2003 5:29:00 PM
Pyrene	800	40		µg/Kg	1	7/3/2003 5:29:00 PM
Pyridine	U	40		µg/Kg	1	7/3/2003 5:29:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
1,2-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
1,3-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
1,4-Dichlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4,5-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4,6-Trichlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4-Dichlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4-Dimethylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4-Dinitrophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,4-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2,6-Dinitrotoluene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Chloronaphthalene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Chlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Methylnaphthalene	470	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Methylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Nitroaniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
2-Nitrophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
3,3'-Dichlorobenzidine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
3+4-Methylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
3-Nitroaniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4,6-Dinitro-2-methylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Bromophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Chloro-3-methylphenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Chloroaniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Chlorophenyl phenyl ether	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Nitroaniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
4-Nitrophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Acenaphthene	3600	200		µg/Kg	5	7/3/2003 8:25:00 PM
Acenaphthylene	870	200		µg/Kg	5	7/3/2003 8:25:00 PM
Aniline	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Anthracene	7500	200		µg/Kg	5	7/3/2003 8:25:00 PM
Azobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzidine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzo(a)anthracene	18000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Benzo(a)pyrene	12000	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzo(b)fluoranthene	18000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Benzo(g,h,i)perylene	6700	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzo(k)fluoranthene	4400	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzoic acid	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Benzyl alcohol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Bis(2-chloroethyl)ether	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Bis(2-chloroisopropyl)ether	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Bis(2-ethylhexyl)phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Butyl benzyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Carbazole	2200	200		µg/Kg	5	7/3/2003 8:25:00 PM
Chrysene	19000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Dibenzo(a,h)anthracene	2000	200		µg/Kg	5	7/3/2003 8:25:00 PM
Dibenzofuran	1900	200		µg/Kg	5	7/3/2003 8:25:00 PM
Diethyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Dimethyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Di-n-butyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Di-n-octyl phthalate	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Fluoranthene	49000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Fluorene	3500	200		µg/Kg	5	7/3/2003 8:25:00 PM
Hexachlorobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Hexachlorobutadiene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Hexachlorocyclopentadiene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Hexachloroethane	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Indeno(1,2,3-c,d)pyrene	7300	200		µg/Kg	5	7/3/2003 8:25:00 PM
Isophorone	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Naphthalene	590	200		µg/Kg	5	7/3/2003 8:25:00 PM
Nitrobenzene	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
N-Nitrosodimethylamine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
N-Nitrosodi-n-propylamine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
N-Nitrosodiphenylamine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Pentachlorophenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Phenanthrene	49000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Phenol	U	200		µg/Kg	5	7/3/2003 8:25:00 PM
Pyrene	40000	2000		µg/Kg	50	7/7/2003 4:31:00 PM
Pyridine	U	200		µg/Kg	5	7/3/2003 8:25:00 PM

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
1,4-Dichlorobenzene	170	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Methylnaphthalene	220	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Acenaphthene	310	80		µg/Kg	2	7/3/2003 6:11:00 PM
Acenaphthylene	110	80		µg/Kg	2	7/3/2003 6:11:00 PM
Aniline	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Anthracene	740	80		µg/Kg	2	7/3/2003 6:11:00 PM
Azobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzidine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(a)anthracene	1400	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(a)pyrene	1300	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(b)fluoranthene	1500	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(g,h,i)perylene	980	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzo(k)fluoranthene	610	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzoic acid	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Bis(2-ethylhexyl)phthalate	460	80		µg/Kg	2	7/3/2003 6:11:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Carbazole	240	80		µg/Kg	2	7/3/2003 6:11:00 PM
Chrysene	1400	80		µg/Kg	2	7/3/2003 6:11:00 PM
Dibenzo(a,h)anthracene	230	80		µg/Kg	2	7/3/2003 6:11:00 PM
Dibenzofuran	240	80		µg/Kg	2	7/3/2003 6:11:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Di-n-butyl phthalate	80	80		µg/Kg	2	7/3/2003 6:11:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Fluoranthene	3500	80		µg/Kg	2	7/3/2003 6:11:00 PM
Fluorene	300	80		µg/Kg	2	7/3/2003 6:11:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Indeno(1,2,3-c,d)pyrene	900	80		µg/Kg	2	7/3/2003 6:11:00 PM
Isophorone	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Naphthalene	270	80		µg/Kg	2	7/3/2003 6:11:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Phenanthrene	2600	80		µg/Kg	2	7/3/2003 6:11:00 PM
Phenol	U	80		µg/Kg	2	7/3/2003 6:11:00 PM
Pyrene	2900	80		µg/Kg	2	7/3/2003 6:11:00 PM
Pyridine	U	80		µg/Kg	2	7/3/2003 6:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

GC PESTICIDE/PCB DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	18000	50		µg/Kg	10	7/8/2003 5:39:00 PM
4,4'-DDE	2600	50		µg/Kg	10	7/8/2003 5:39:00 PM
4,4'-DDT	2500	50		µg/Kg	10	7/8/2003 5:39:00 PM
Aldrin	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Chlordane	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
DBCP	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endrin	270	50		µg/Kg	10	7/8/2003 5:39:00 PM
Endrin aldehyde	21	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Isodrin	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/3/2003 9:10:00 PM
Toxaphene	U	300		µg/Kg	1	7/3/2003 9:10:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	1100	50		µg/Kg	10	7/8/2003 6:22:00 PM
4,4'-DDE	130	50		µg/Kg	10	7/8/2003 6:22:00 PM
4,4'-DDT	150	50		µg/Kg	10	7/8/2003 6:22:00 PM
Aldrin	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Chlordane	33	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
DBCP	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endrin	24	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endrin aldehyde	8.6	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Isodrin	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/3/2003 9:53:00 PM
Toxaphene	U	300		µg/Kg	1	7/3/2003 9:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
4,4'-DDT	4	5.0	J	µg/Kg	1	7/3/2003 10:36:00 PM
Aldrin	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Chlordane	11	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
DBCP	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endrin	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Isodrin	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/3/2003 10:36:00 PM
Toxaphene	U	300		µg/Kg	1	7/3/2003 10:36:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Aldrin	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Chlordane	7.5	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
DBCP	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endrin	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Isodrin	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/3/2003 11:41:00 PM
Toxaphene	U	300		µg/Kg	1	7/3/2003 11:41:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 12:24:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 12:24:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
4,4´-DDT	4	5.0	J	µg/Kg	1	7/4/2003 1:07:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 1:07:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 1:07:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Chlordane	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 4:17:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 4:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	10	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Heptachlor	4	5.0	J	µg/Kg	1	7/4/2003 2:12:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 2:12:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 2:12:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 2:55:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 2:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 3:38:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 3:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 4:43:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 4:43:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Chlordane	42	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 5:26:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 5:26:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 7:57:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 7:57:00 AM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	6.2	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
4,4'-DDT	3	5.0	J	µg/Kg	1	7/8/2003 5:34:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 5:34:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 5:34:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Heptachlor	12	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 8:40:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 8:40:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	10	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 9:22:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 9:22:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	7.7	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
4,4'-DDT	9.3	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Chlordane	9.6	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 5:00:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 5:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 7:00:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 7:00:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	27	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
4,4'-DDE	11	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
4,4'-DDT	17	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Chlordane	23	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 10:28:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 10:28:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	900	50		µg/Kg	10	7/9/2003 7:31:00 PM
4,4'-DDE	240	50		µg/Kg	10	7/9/2003 7:31:00 PM
4,4'-DDT	98	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endrin	10	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 7:43:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 7:43:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1254	430	80		µg/Kg	1	7/8/2003 9:37:00 PM
Aroclor 1260	850	80		µg/Kg	1	7/8/2003 9:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1254	160	80		µg/Kg	1	7/7/2003 5:14:00 PM
Aroclor 1260	300	80		µg/Kg	1	7/7/2003 5:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1254	110	80		µg/Kg	1	7/8/2003 10:20:00 PM
Aroclor 1260	120	80		µg/Kg	1	7/8/2003 10:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 5:57:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 5:57:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1254	110	80		µg/Kg	1	7/7/2003 6:40:00 PM
Aroclor 1260	40	80	J	µg/Kg	1	7/7/2003 6:40:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 7:45:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 7:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1254	80	80	J	µg/Kg	1	7/8/2003 11:03:00 PM
Aroclor 1260	60	80	J	µg/Kg	1	7/8/2003 11:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 8:28:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 8:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 12:08:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 12:08:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 9:11:00 PM
Aroclor 1260	60	80	J	µg/Kg	1	7/7/2003 9:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 10:17:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 10:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 12:51:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 12:51:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 11:00:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/7/2003 11:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/7/2003 11:43:00 PM
Aroclor 1260	40	80	J	µg/Kg	1	7/7/2003 11:43:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 1:34:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 1:34:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1254	130	80		µg/Kg	1	7/9/2003 2:40:00 AM
Aroclor 1260	100	80		µg/Kg	1	7/9/2003 2:40:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1254	120	80		µg/Kg	1	7/9/2003 4:06:00 AM
Aroclor 1260	80	80	J	µg/Kg	1	7/9/2003 4:06:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 4:49:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 4:49:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 5:54:00 AM
Aroclor 1260	60	80	J	µg/Kg	1	7/9/2003 5:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 6:38:00 AM
Aroclor 1260	40	80	J	µg/Kg	1	7/9/2003 6:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

INORGANIC DATA

RESULTS - INORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.090	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2700	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Antimony	1.60	0.477		mg/Kg	1	7/3/2003 10:04:21 AM
Arsenic	9.29	0.477		mg/Kg	1	7/3/2003 10:04:21 AM
Barium	125	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Beryllium	U	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Cadmium	1.56	0.191		mg/Kg	1	7/3/2003 10:04:21 AM
Calcium	14500	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Chromium	12.1	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Cobalt	6.95	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Copper	100	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Iron	5800	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Lead	635	0.286		mg/Kg	1	7/3/2003 10:04:21 AM
Magnesium	451	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Manganese	198	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Nickel	12.7	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Potassium	686	1.34		mg/Kg	1	7/3/2003 10:04:21 AM
Selenium	0.34	0.477	J	mg/Kg	1	7/3/2003 10:04:21 AM
Silver	U	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Sodium	337	0.573		mg/Kg	1	7/3/2003 10:04:21 AM
Thallium	0.914	0.286		mg/Kg	1	7/3/2003 10:04:21 AM
Vanadium	15.6	0.382		mg/Kg	1	7/3/2003 10:04:21 AM
Zinc	238	0.382		mg/Kg	1	7/3/2003 10:04:21 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B12 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3730	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Antimony	U	0.445		mg/Kg	1	7/3/2003 10:07:36 AM
Arsenic	3.57	0.445		mg/Kg	1	7/3/2003 10:07:36 AM
Barium	34.9	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Beryllium	U	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Cadmium	0.288	0.178		mg/Kg	1	7/3/2003 10:07:36 AM
Calcium	1050	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Chromium	9.48	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Cobalt	8.52	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Copper	13.8	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Iron	5720	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Lead	35.2	0.267		mg/Kg	1	7/3/2003 10:07:36 AM
Magnesium	414	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Manganese	235	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Nickel	9.80	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Potassium	752	1.25		mg/Kg	1	7/3/2003 10:07:36 AM
Selenium	U	0.445		mg/Kg	1	7/3/2003 10:07:36 AM
Silver	U	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Sodium	108	0.534		mg/Kg	1	7/3/2003 10:07:36 AM
Thallium	1.25	0.267		mg/Kg	1	7/3/2003 10:07:36 AM
Vanadium	10.4	0.356		mg/Kg	1	7/3/2003 10:07:36 AM
Zinc	50.5	0.356		mg/Kg	1	7/3/2003 10:07:36 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3930	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Antimony	U	0.460		mg/Kg	1	7/3/2003 10:10:15 AM
Arsenic	4.48	0.460		mg/Kg	1	7/3/2003 10:10:15 AM
Barium	73.4	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Beryllium	U	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Cadmium	0.091	0.184	J	mg/Kg	1	7/3/2003 10:10:15 AM
Calcium	17300	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Chromium	12.7	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Cobalt	6.47	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Copper	32.1	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Iron	5380	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Lead	153	0.276		mg/Kg	1	7/3/2003 10:10:15 AM
Magnesium	431	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Manganese	97.6	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Nickel	8.27	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Potassium	834	1.29		mg/Kg	1	7/3/2003 10:10:15 AM
Selenium	U	0.460		mg/Kg	1	7/3/2003 10:10:15 AM
Silver	U	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Sodium	266	0.551		mg/Kg	1	7/3/2003 10:10:15 AM
Thallium	1.51	0.276		mg/Kg	1	7/3/2003 10:10:15 AM
Vanadium	13.3	0.368		mg/Kg	1	7/3/2003 10:10:15 AM
Zinc	120	0.368		mg/Kg	1	7/3/2003 10:10:15 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.633	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3180	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Antimony	0.623	0.490		mg/Kg	1	7/3/2003 10:12:46 AM
Arsenic	11.6	0.490		mg/Kg	1	7/3/2003 10:12:46 AM
Barium	46.4	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Beryllium	U	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Cadmium	U	0.196		mg/Kg	1	7/3/2003 10:12:46 AM
Calcium	4930	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Chromium	6.99	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Cobalt	6.45	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Copper	19.7	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Iron	6360	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Lead	187	0.294		mg/Kg	1	7/3/2003 10:12:46 AM
Magnesium	434	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Manganese	57.1	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Nickel	14.3	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Potassium	966	1.37		mg/Kg	1	7/3/2003 10:12:46 AM
Selenium	0.32	0.490	J	mg/Kg	1	7/3/2003 10:12:46 AM
Silver	0.474	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Sodium	291	0.588		mg/Kg	1	7/3/2003 10:12:46 AM
Thallium	0.697	0.294		mg/Kg	1	7/3/2003 10:12:46 AM
Vanadium	11.0	0.392		mg/Kg	1	7/3/2003 10:12:46 AM
Zinc	25.5	0.392		mg/Kg	1	7/3/2003 10:12:46 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW-12 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.052	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4190	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Antimony	U	0.424		mg/Kg	1	7/3/2003 10:15:50 AM
Arsenic	2.37	0.424		mg/Kg	1	7/3/2003 10:15:50 AM
Barium	34.6	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Beryllium	U	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Cadmium	0.196	0.169		mg/Kg	1	7/3/2003 10:15:50 AM
Calcium	3470	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Chromium	11.6	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Cobalt	8.50	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Copper	67.7	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Iron	5490	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Lead	35.3	0.254		mg/Kg	1	7/3/2003 10:15:50 AM
Magnesium	412	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Manganese	210	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Nickel	15.5	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Potassium	1010	1.19		mg/Kg	1	7/3/2003 10:15:50 AM
Selenium	U	0.424		mg/Kg	1	7/3/2003 10:15:50 AM
Silver	U	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Sodium	135	0.508		mg/Kg	1	7/3/2003 10:15:50 AM
Thallium	1.46	0.254		mg/Kg	1	7/3/2003 10:15:50 AM
Vanadium	17.1	0.339		mg/Kg	1	7/3/2003 10:15:50 AM
Zinc	75.1	0.339		mg/Kg	1	7/3/2003 10:15:50 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12 (4.5'-5.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-06B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3300	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Antimony	U	0.458		mg/Kg	1	7/3/2003 10:18:44 AM
Arsenic	1.79	0.458		mg/Kg	1	7/3/2003 10:18:44 AM
Barium	37.4	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Beryllium	U	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Cadmium	U	0.183		mg/Kg	1	7/3/2003 10:18:44 AM
Calcium	2110	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Chromium	11.6	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Cobalt	6.76	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Copper	16.5	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Iron	4580	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Lead	27.2	0.275		mg/Kg	1	7/3/2003 10:18:44 AM
Magnesium	445	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Manganese	174	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Nickel	23.3	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Potassium	1020	1.28		mg/Kg	1	7/3/2003 10:18:44 AM
Selenium	U	0.458		mg/Kg	1	7/3/2003 10:18:44 AM
Silver	0.26	0.366	J	mg/Kg	1	7/3/2003 10:18:44 AM
Sodium	143	0.549		mg/Kg	1	7/3/2003 10:18:44 AM
Thallium	1.83	0.275		mg/Kg	1	7/3/2003 10:18:44 AM
Vanadium	14.0	0.366		mg/Kg	1	7/3/2003 10:18:44 AM
Zinc	39.9	0.366		mg/Kg	1	7/3/2003 10:18:44 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.100	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4050	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Antimony	U	0.446		mg/Kg	1	7/3/2003 10:21:31 AM
Arsenic	3.62	0.446		mg/Kg	1	7/3/2003 10:21:31 AM
Barium	62.1	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Beryllium	U	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Cadmium	0.10	0.179	J	mg/Kg	1	7/3/2003 10:21:31 AM
Calcium	19100	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Chromium	9.48	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Cobalt	7.46	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Copper	32.2	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Iron	4940	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Lead	92.0	0.268		mg/Kg	1	7/3/2003 10:21:31 AM
Magnesium	421	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Manganese	191	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Nickel	8.14	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Potassium	1070	1.25		mg/Kg	1	7/3/2003 10:21:31 AM
Selenium	0.496	0.446		mg/Kg	1	7/3/2003 10:21:31 AM
Silver	U	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Sodium	129	0.536		mg/Kg	1	7/3/2003 10:21:31 AM
Thallium	1.84	0.268		mg/Kg	1	7/3/2003 10:21:31 AM
Vanadium	16.8	0.357		mg/Kg	1	7/3/2003 10:21:31 AM
Zinc	117	0.357		mg/Kg	1	7/3/2003 10:21:31 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13 (5'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.156	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4650	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Antimony	U	0.439		mg/Kg	1	7/3/2003 10:24:23 AM
Arsenic	3.62	0.439		mg/Kg	1	7/3/2003 10:24:23 AM
Barium	87.2	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Beryllium	U	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Cadmium	0.17	0.175	J	mg/Kg	1	7/3/2003 10:24:23 AM
Calcium	4270	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Chromium	12.5	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Cobalt	8.26	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Copper	28.6	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Iron	5780	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Lead	73.8	0.263		mg/Kg	1	7/3/2003 10:24:23 AM
Magnesium	406	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Manganese	217	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Nickel	10.6	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Potassium	1110	1.23		mg/Kg	1	7/3/2003 10:24:23 AM
Selenium	U	0.439		mg/Kg	1	7/3/2003 10:24:23 AM
Silver	U	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Sodium	165	0.526		mg/Kg	1	7/3/2003 10:24:23 AM
Thallium	2.15	0.263		mg/Kg	1	7/3/2003 10:24:23 AM
Vanadium	17.1	0.351		mg/Kg	1	7/3/2003 10:24:23 AM
Zinc	112	0.351		mg/Kg	1	7/3/2003 10:24:23 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7R2 (5.5'-6.0')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3670	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Antimony	2.63	0.473		mg/Kg	1	7/3/2003 10:36:56 AM
Arsenic	2.55	0.473		mg/Kg	1	7/3/2003 10:36:56 AM
Barium	28.4	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Beryllium	U	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Cadmium	U	0.189		mg/Kg	1	7/3/2003 10:36:56 AM
Calcium	21300	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Chromium	4.02	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Cobalt	4.51	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Copper	18.8	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Iron	4840	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Lead	58.5	0.284		mg/Kg	1	7/3/2003 10:36:56 AM
Magnesium	448	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Manganese	98.5	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Nickel	3.46	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Potassium	1240	1.33		mg/Kg	1	7/3/2003 10:36:56 AM
Selenium	0.46	0.473	J	mg/Kg	1	7/3/2003 10:36:56 AM
Silver	U	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Sodium	650	0.568		mg/Kg	1	7/3/2003 10:36:56 AM
Thallium	1.25	0.284		mg/Kg	1	7/3/2003 10:36:56 AM
Vanadium	6.38	0.379		mg/Kg	1	7/3/2003 10:36:56 AM
Zinc	32.1	0.379		mg/Kg	1	7/3/2003 10:36:56 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (0.5'-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2300	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Antimony	U	0.450		mg/Kg	1	7/3/2003 10:39:32 AM
Arsenic	5.10	0.450		mg/Kg	1	7/3/2003 10:39:32 AM
Barium	317	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Beryllium	U	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Cadmium	0.294	0.180		mg/Kg	1	7/3/2003 10:39:32 AM
Calcium	27400	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Chromium	8.44	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Cobalt	4.76	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Copper	150	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Iron	4320	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Lead	163	0.270		mg/Kg	1	7/3/2003 10:39:32 AM
Magnesium	327	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Manganese	87.3	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Nickel	4.94	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Potassium	565	1.26		mg/Kg	1	7/3/2003 10:39:32 AM
Selenium	0.549	0.450		mg/Kg	1	7/3/2003 10:39:32 AM
Silver	U	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Sodium	354	0.540		mg/Kg	1	7/3/2003 10:39:32 AM
Thallium	2.07	0.270		mg/Kg	1	7/3/2003 10:39:32 AM
Vanadium	9.10	0.360		mg/Kg	1	7/3/2003 10:39:32 AM
Zinc	84.5	0.360		mg/Kg	1	7/3/2003 10:39:32 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4530	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Antimony	U	0.450		mg/Kg	1	7/3/2003 10:42:02 AM
Arsenic	1.93	0.450		mg/Kg	1	7/3/2003 10:42:02 AM
Barium	31.6	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Beryllium	U	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Cadmium	U	0.180		mg/Kg	1	7/3/2003 10:42:02 AM
Calcium	1970	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Chromium	11.4	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Cobalt	13.8	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Copper	12.0	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Iron	6880	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Lead	16.9	0.270		mg/Kg	1	7/3/2003 10:42:02 AM
Magnesium	367	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Manganese	383	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Nickel	8.36	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Potassium	817	1.26		mg/Kg	1	7/3/2003 10:42:02 AM
Selenium	U	0.450		mg/Kg	1	7/3/2003 10:42:02 AM
Silver	U	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Sodium	165	0.540		mg/Kg	1	7/3/2003 10:42:02 AM
Thallium	1.66	0.270		mg/Kg	1	7/3/2003 10:42:02 AM
Vanadium	17.7	0.360		mg/Kg	1	7/3/2003 10:42:02 AM
Zinc	34.3	0.360		mg/Kg	1	7/3/2003 10:42:02 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3590	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Antimony	U	0.483		mg/Kg	1	7/3/2003 10:44:32 AM
Arsenic	5.08	0.483		mg/Kg	1	7/3/2003 10:44:32 AM
Barium	70.2	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Beryllium	U	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Cadmium	U	0.193		mg/Kg	1	7/3/2003 10:44:32 AM
Calcium	17400	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Chromium	157	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Cobalt	7.69	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Copper	57.1	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Iron	6040	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Lead	69.6	0.290		mg/Kg	1	7/3/2003 10:44:32 AM
Magnesium	423	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Manganese	149	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Nickel	26.1	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Potassium	690	1.35		mg/Kg	1	7/3/2003 10:44:32 AM
Selenium	U	0.483		mg/Kg	1	7/3/2003 10:44:32 AM
Silver	U	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Sodium	249	0.579		mg/Kg	1	7/3/2003 10:44:32 AM
Thallium	0.847	0.290		mg/Kg	1	7/3/2003 10:44:32 AM
Vanadium	20.8	0.386		mg/Kg	1	7/3/2003 10:44:32 AM
Zinc	41.7	0.386		mg/Kg	1	7/3/2003 10:44:32 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6 (6'-7')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	1860	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Antimony	U	0.479		mg/Kg	1	7/3/2003 10:47:09 AM
Arsenic	1.53	0.479		mg/Kg	1	7/3/2003 10:47:09 AM
Barium	30.0	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Beryllium	U	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Cadmium	U	0.192		mg/Kg	1	7/3/2003 10:47:09 AM
Calcium	716	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Chromium	5.17	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Cobalt	5.12	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Copper	20.5	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Iron	4120	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Lead	83.2	0.287		mg/Kg	1	7/3/2003 10:47:09 AM
Magnesium	361	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Manganese	53.2	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Nickel	6.23	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Potassium	521	1.34		mg/Kg	1	7/3/2003 10:47:09 AM
Selenium	U	0.479		mg/Kg	1	7/3/2003 10:47:09 AM
Silver	U	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Sodium	93.6	0.575		mg/Kg	1	7/3/2003 10:47:09 AM
Thallium	0.963	0.287		mg/Kg	1	7/3/2003 10:47:09 AM
Vanadium	8.20	0.383		mg/Kg	1	7/3/2003 10:47:09 AM
Zinc	42.9	0.383		mg/Kg	1	7/3/2003 10:47:09 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (2'-4')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	1450	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Antimony	U	0.455		mg/Kg	1	7/3/2003 10:50:49 AM
Arsenic	17.1	0.455		mg/Kg	1	7/3/2003 10:50:49 AM
Barium	66.6	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Beryllium	U	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Cadmium	0.765	0.182		mg/Kg	1	7/3/2003 10:50:49 AM
Calcium	2670	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Chromium	22.8	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Cobalt	14.5	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Copper	80.5	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Iron	7520	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Lead	113	0.273		mg/Kg	1	7/3/2003 10:50:49 AM
Magnesium	322	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Manganese	183	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Nickel	27.5	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Potassium	915	1.27		mg/Kg	1	7/3/2003 10:50:49 AM
Selenium	0.29	0.455	J	mg/Kg	1	7/3/2003 10:50:49 AM
Silver	U	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Sodium	152	0.545		mg/Kg	1	7/3/2003 10:50:49 AM
Thallium	0.279	0.273		mg/Kg	1	7/3/2003 10:50:49 AM
Vanadium	8.96	0.364		mg/Kg	1	7/3/2003 10:50:49 AM
Zinc	99.2	0.364		mg/Kg	1	7/3/2003 10:50:49 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8 (5'-6.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.063	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5800	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Antimony	U	0.455		mg/Kg	1	7/3/2003 10:53:23 AM
Arsenic	3.22	0.455		mg/Kg	1	7/3/2003 10:53:23 AM
Barium	59.1	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Beryllium	U	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Cadmium	U	0.182		mg/Kg	1	7/3/2003 10:53:23 AM
Calcium	11000	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Chromium	10.7	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Cobalt	7.33	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Copper	30.8	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Iron	4720	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Lead	58.8	0.273		mg/Kg	1	7/3/2003 10:53:23 AM
Magnesium	425	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Manganese	69.9	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Nickel	9.40	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Potassium	1130	1.27		mg/Kg	1	7/3/2003 10:53:23 AM
Selenium	0.32	0.455	J	mg/Kg	1	7/3/2003 10:53:23 AM
Silver	U	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Sodium	1210	0.545		mg/Kg	1	7/3/2003 10:53:23 AM
Thallium	1.51	0.273		mg/Kg	1	7/3/2003 10:53:23 AM
Vanadium	15.9	0.364		mg/Kg	1	7/3/2003 10:53:23 AM
Zinc	35.2	0.364		mg/Kg	1	7/3/2003 10:53:23 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (14"-2.5')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2250	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Antimony	2.00	0.484		mg/Kg	1	7/3/2003 10:55:55 AM
Arsenic	27.3	0.484		mg/Kg	1	7/3/2003 10:55:55 AM
Barium	167	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Beryllium	U	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Cadmium	8.14	0.194		mg/Kg	1	7/3/2003 10:55:55 AM
Calcium	2480	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Chromium	177	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Cobalt	17.8	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Copper	413	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Iron	8330	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Lead	433	0.291		mg/Kg	1	7/3/2003 10:55:55 AM
Magnesium	351	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Manganese	218	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Nickel	261	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Potassium	658	1.36		mg/Kg	1	7/3/2003 10:55:55 AM
Selenium	U	0.484		mg/Kg	1	7/3/2003 10:55:55 AM
Silver	U	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Sodium	216	0.581		mg/Kg	1	7/3/2003 10:55:55 AM
Thallium	U	0.291		mg/Kg	1	7/3/2003 10:55:55 AM
Vanadium	37.2	0.388		mg/Kg	1	7/3/2003 10:55:55 AM
Zinc	406	0.388		mg/Kg	1	7/3/2003 10:55:55 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B9 (5'-6')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2360	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Antimony	U	0.472		mg/Kg	1	7/3/2003 10:58:22 AM
Arsenic	13.7	0.472		mg/Kg	1	7/3/2003 10:58:22 AM
Barium	126	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Beryllium	U	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Cadmium	3.63	0.189		mg/Kg	1	7/3/2003 10:58:22 AM
Calcium	3950	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Chromium	16.2	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Cobalt	11.5	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Copper	127	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Iron	6900	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Lead	248	0.283		mg/Kg	1	7/3/2003 10:58:22 AM
Magnesium	393	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Manganese	142	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Nickel	32.8	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Potassium	782	1.32		mg/Kg	1	7/3/2003 10:58:22 AM
Selenium	0.667	0.472		mg/Kg	1	7/3/2003 10:58:22 AM
Silver	U	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Sodium	737	0.566		mg/Kg	1	7/3/2003 10:58:22 AM
Thallium	U	0.283		mg/Kg	1	7/3/2003 10:58:22 AM
Vanadium	11.8	0.377		mg/Kg	1	7/3/2003 10:58:22 AM
Zinc	273	0.377		mg/Kg	1	7/3/2003 10:58:22 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (0.5-2")
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	6670	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Antimony	0.552	0.450		mg/Kg	1	7/3/2003 11:00:53 AM
Arsenic	10.6	0.450		mg/Kg	1	7/3/2003 11:00:53 AM
Barium	456	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Beryllium	U	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Cadmium	U	0.180		mg/Kg	1	7/3/2003 11:00:53 AM
Calcium	11400	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Chromium	149	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Cobalt	711	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Copper	1470	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Iron	7580	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Lead	2040	0.270		mg/Kg	1	7/3/2003 11:00:53 AM
Magnesium	362	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Manganese	535	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Nickel	45.3	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Potassium	1770	1.26		mg/Kg	1	7/3/2003 11:00:53 AM
Selenium	U	0.450		mg/Kg	1	7/3/2003 11:00:53 AM
Silver	0.657	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Sodium	1020	0.540		mg/Kg	1	7/3/2003 11:00:53 AM
Thallium	U	0.270		mg/Kg	1	7/3/2003 11:00:53 AM
Vanadium	34.6	0.360		mg/Kg	1	7/3/2003 11:00:53 AM
Zinc	1260	0.360		mg/Kg	1	7/3/2003 11:00:53 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B8 (8-10')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.218	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3170	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Antimony	U	0.490		mg/Kg	1	7/3/2003 11:10:30 AM
Arsenic	7.46	0.490		mg/Kg	1	7/3/2003 11:10:30 AM
Barium	127	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Beryllium	U	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Cadmium	1.01	0.196		mg/Kg	1	7/3/2003 11:10:30 AM
Calcium	4750	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Chromium	28.2	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Cobalt	118	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Copper	387	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Iron	7410	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Lead	472	0.294		mg/Kg	1	7/3/2003 11:10:30 AM
Magnesium	413	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Manganese	219	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Nickel	14.0	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Potassium	762	1.37		mg/Kg	1	7/3/2003 11:10:30 AM
Selenium	0.637	0.490		mg/Kg	1	7/3/2003 11:10:30 AM
Silver	U	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Sodium	381	0.588		mg/Kg	1	7/3/2003 11:10:30 AM
Thallium	0.403	0.294		mg/Kg	1	7/3/2003 11:10:30 AM
Vanadium	13.9	0.392		mg/Kg	1	7/3/2003 11:10:30 AM
Zinc	1280	0.392		mg/Kg	1	7/3/2003 11:10:30 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (0.5-2')
Lab Order:	0306116	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306116-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/2/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2510	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Antimony	U	0.498		mg/Kg	1	7/3/2003 11:14:17 AM
Arsenic	4.94	0.498		mg/Kg	1	7/3/2003 11:14:17 AM
Barium	25.8	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Beryllium	U	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Cadmium	0.550	0.199		mg/Kg	1	7/3/2003 11:14:17 AM
Calcium	22000	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Chromium	10.7	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Cobalt	5.15	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Copper	27.0	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Iron	4260	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Lead	259	0.299		mg/Kg	1	7/3/2003 11:14:17 AM
Magnesium	437	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Manganese	106	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Nickel	8.64	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Potassium	835	1.39		mg/Kg	1	7/3/2003 11:14:17 AM
Selenium	0.47	0.498	J	mg/Kg	1	7/3/2003 11:14:17 AM
Silver	0.34	0.398	J	mg/Kg	1	7/3/2003 11:14:17 AM
Sodium	251	0.598		mg/Kg	1	7/3/2003 11:14:17 AM
Thallium	1.02	0.299		mg/Kg	1	7/3/2003 11:14:17 AM
Vanadium	19.3	0.398		mg/Kg	1	7/3/2003 11:14:17 AM
Zinc	163	0.398		mg/Kg	1	7/3/2003 11:14:17 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Appendix

American Analytical Laboratories, Inc.

Date: *29-Jul-03*

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070103** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/3/2003** SeqNo: **25230**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25252**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: PSB070203	SampType: MBLK	TestCode: 8081_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM QU_030703A
Client ID: ZZZZZ	Batch ID: 1431	TestNo: SW8081B	(SW3550)	Analysis Date: 7/8/2003	SeqNo: 25252

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: PSB070203	SampType: MBLK	TestCode: 8081_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM QU_030703B
Client ID: ZZZZZ	Batch ID: 1431	TestNo: SW8081B	(SW3550)	Analysis Date: 7/8/2003	SeqNo: 25645

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **MSB070103** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/4/2003** SeqNo: **25247**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	12.19	5.0	16.65	0	73.2	69	130	0	0		
Aldrin	4.123	5.0	6.66	0	61.9	66	128	0	0		JS

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **MSB070103** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/4/2003** SeqNo: **25247**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	11.99	5.0	16.65	0	72	67	126	0	0		
Endrin	13.4	5.0	16.65	0	80.5	72	124	0	0		
gamma-BHC	4.279	5.0	6.66	0	64.2	68	122	0	0		JS
Heptachlor	5.41	5.0	6.66	0	81.2	64	130	0	0		

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.74	5.0	16.65	0	107	69	130	0	0		
Aldrin	6.054	5.0	6.66	0	90.9	66	128	0	0		
Dieldrin	16.9	5.0	16.65	0	102	67	126	0	0		
Endrin	18.47	5.0	16.65	0	111	72	124	0	0		
gamma-BHC	6.487	5.0	6.66	0	97.4	68	122	0	0		
Heptachlor	7.817	5.0	6.66	0	117	64	130	0	0		

Sample ID: **0306116-02BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **B12 (5'-7')** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/4/2003** SeqNo: **25248**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	5.517	5.0	6.66	0	82.8	66	128	0	0		
Dieldrin	14.87	5.0	16.65	0	89.3	67	126	0	0		
Endrin	22.38	5.0	16.65	23.63	-7.53	72	124	0	0		S
gamma-BHC	4.868	5.0	6.66	0	73.1	68	122	0	0		J
Heptachlor	7.066	5.0	6.66	0	106	64	130	0	0		

Sample ID: **0306116-02BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **B12 (5'-7')** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25337**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	192.2	50	16.65	145.7	279	69	130	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **0306117-03BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25658**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.03	5.0	16.65	0	90.3	69	130	0	0		
Aldrin	6.163	5.0	6.66	0	92.5	66	128	0	0		
Dieldrin	14.33	5.0	16.65	0	86	67	126	0	0		
Endrin	15.28	5.0	16.65	0	91.8	72	124	0	0		
gamma-BHC	5.214	5.0	6.66	0	78.3	68	122	0	0		
Heptachlor	6.094	5.0	6.66	0	91.5	64	130	0	0		

Sample ID: **0306116-02BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **B12 (5'-7')** Batch ID: **1427** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/4/2003** SeqNo: **25249**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	44.63	5.0	16.65	132	-524	69	130	162.9	114	20	SR
Aldrin	6.016	5.0	6.66	0	90.3	66	128	5.517	8.65	20	
Dieldrin	15.17	5.0	16.65	0	91.1	67	126	14.87	2.01	20	
Endrin	20.25	5.0	16.65	23.63	-20.3	72	124	22.38	9.96	20	S
gamma-BHC	5.747	5.0	6.66	0	86.3	68	122	4.868	16.6	20	
Heptachlor	7.281	5.0	6.66	0	109	64	130	7.066	3.00	20	

Sample ID: **0306117-03BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25659**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.21	5.0	16.65	0	103	69	130	15.03	13.5	20	
Aldrin	6.247	5.0	6.66	0	93.8	66	128	6.163	1.35	20	
Dieldrin	15.47	5.0	16.65	0	92.9	67	126	14.33	7.67	20	
Endrin	18.49	5.0	16.65	0	111	72	124	15.28	19.0	20	
gamma-BHC	5.696	5.0	6.66	0	85.5	68	122	5.214	8.84	20	
Heptachlor	6.866	5.0	6.66	0	103	64	130	6.094	11.9	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **PSB070103** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **ZZZZZ** Batch ID: **1426** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/7/2003** SeqNo: **25405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25422**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **MSB070103** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **ZZZZZ** Batch ID: **1426** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	169	80	166.5	0	101	59	122	0	0		
Aroclor 1260	176.5	80	166.5	0	106	57	121	0	0		

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	147.2	80	166.5	0	88.4	59	122	0	0		
Aroclor 1260	162.1	80	166.5	0	97.4	57	121	0	0		

Sample ID: **0306116-04BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **B13 (5'-7')** Batch ID: **1426** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	255.1	80	166.5	0	153	59	122	0	0		S
Aroclor 1260	249.8	80	166.5	0	150	57	121	0	0		S

Sample ID: **0306117-01BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	189.1	80	166.5	0	114	59	122	0	0		
Aroclor 1260	193.5	80	166.5	0	116	57	121	0	0		

Sample ID: **0306116-04BMSD** SampType: **MSD** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **B13 (5'-7')** Batch ID: **1426** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25433**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	239	80	166.5	0	144	59	122	255.1	6.54	20	S
Aroclor 1260	231.6	80	166.5	0	139	57	121	249.8	7.57	20	S

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **0306117-01BMSD**	SampType: **MSD**	TestCode: **8082_Soil**	Units: **µg/Kg**	Prep Date: **7/2/2003**	Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ**	Batch ID: **1429**	TestNo: **SW8082A**	**(SW3550)**	Analysis Date: **7/12/2003**	SeqNo: **25745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	291.3	80	166.5	0	175	59	122	189.1	42.6	20	SR
Aroclor 1260	315.2	80	166.5	0	189	57	121	193.5	47.9	20	SR

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070103** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1425** TestNo: **SW8270D (SW3550A)** Analysis Date: **7/1/2003** SeqNo: **25202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070103	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/1/2003	Run ID: SYSTEM T_030701B
Client ID: ZZZZZ	Batch ID: 1425	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/1/2003	SeqNo: 25202

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070103** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1425** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/1/2003** SeqNo: **25202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030701B
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25216

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030702A
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25537

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **LCS070103** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1425** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25212**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	489	40	666	0	73.4	53	123	0	0		
1,4-Dichlorobenzene	502.8	40	666	0	75.5	41.5	114	0	0		
2,4-Dinitrotoluene	400.8	40	666	0	60.2	48	85.2	0	0		
2-Chlorophenol	499.6	40	666	0	75	52	113	0	0		
4-Chloro-3-methylphenol	524.6	40	666	0	78.8	50.3	111	0	0		
4-Nitrophenol	423.9	40	666	0	63.6	41.6	108	0	0		
Acenaphthene	475.5	40	666	0	71.4	43.6	113	0	0		
N-Nitrosodi-n-propylamine	476.3	40	666	0	71.5	42	120	0	0		
Pentachlorophenol	411.6	40	666	0	61.8	38.6	109	0	0		
Phenol	514.2	40	666	0	77.2	44.8	113	0	0		
Pyrene	604.3	40	666	0	90.7	46.2	104	0	0		

Sample ID: **LCS070203** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	541.2	40	666	0	81.3	53	123	0	0		
1,4-Dichlorobenzene	513.2	40	666	0	77.1	41.5	114	0	0		
2,4-Dinitrotoluene	420.5	40	666	0	63.1	48	85.2	0	0		
2-Chlorophenol	534.2	40	666	0	80.2	52	113	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **LCS070203** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	538.8	40	666	0	80.9	50.3	111	0	0		
4-Nitrophenol	462.2	40	666	0	69.4	41.6	108	0	0		
Acenaphthene	497	40	666	0	74.6	43.6	113	0	0		
N-Nitrosodi-n-propylamine	521.8	40	666	0	78.4	42	120	0	0		
Pentachlorophenol	445.3	40	666	0	66.9	38.6	109	0	0		
Phenol	511.9	40	666	0	76.9	44.8	113	0	0		
Pyrene	629.8	40	666	0	94.6	46.2	104	0	0		

Sample ID: **0306116-04B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **B13 (5'-7')** Batch ID: **1425** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	507.9	40	666	0	76.3	53	123	0	0		
1,4-Dichlorobenzene	470.1	40	666	0	70.6	41.5	114	0	0		
2,4-Dinitrotoluene	421.1	40	666	0	63.2	48	85.2	0	0		
2-Chlorophenol	504.4	40	666	0	75.7	52	113	0	0		
4-Chloro-3-methylphenol	557.9	40	666	0	83.8	50.3	111	0	0		
4-Nitrophenol	471.7	40	666	0	70.8	41.6	108	0	0		
Acenaphthene	491.2	40	666	0	73.8	43.6	113	0	0		
N-Nitrosodi-n-propylamine	491.1	40	666	0	73.7	42	120	0	0		
Pentachlorophenol	494.8	40	666	0	74.3	38.6	109	0	0		
Phenol	497.9	40	666	0	74.8	44.8	113	0	0		
Pyrene	808	40	666	0	121	46.2	104	0	0		S

Sample ID: **0306117-03B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	422.8	40	666	0	63.5	53	123	0	0		
1,4-Dichlorobenzene	390.4	40	666	0	58.6	41.5	114	0	0		
2,4-Dinitrotoluene	448.2	40	666	0	67.3	48	85.2	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-03B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	424.9	40	666	0	63.8	52	113	0	0		
4-Chloro-3-methylphenol	573.7	40	666	0	86.1	50.3	111	0	0		
4-Nitrophenol	500.5	40	666	0	75.1	41.6	108	0	0		
Acenaphthene	493.8	40	666	0	74.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	413.7	40	666	0	62.1	42	120	0	0		
Pentachlorophenol	537.7	40	666	0	80.7	38.6	109	0	0		
Phenol	426.9	40	666	0	64.1	44.8	113	0	0		
Pyrene	665.6	40	666	0	99.9	46.2	104	0	0		

Sample ID: **0306116-04B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/1/2003** Run ID: **SYSTEM T_030701B**
Client ID: **B13 (5'-7')** Batch ID: **1425** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	493.8	40	666	0	74.1	53	123	0	0		
1,4-Dichlorobenzene	419.2	40	666	0	62.9	41.5	114	0	0		
2,4-Dinitrotoluene	411.7	40	666	0	61.8	48	85.2	0	0		
2-Chlorophenol	482.3	40	666	0	72.4	52	113	0	0		
4-Chloro-3-methylphenol	557.7	40	666	0	83.7	50.3	111	0	0		
4-Nitrophenol	504.1	40	666	0	75.7	41.6	108	0	0		
Acenaphthene	514.4	40	666	0	77.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	469.3	40	666	0	70.5	42	120	0	0		
Pentachlorophenol	502.9	40	666	0	75.5	38.6	109	0	0		
Phenol	464.5	40	666	0	69.7	44.8	113	0	0		
Pyrene	766.8	40	666	0	115	46.2	104	0	0		S

Sample ID: **0306117-03B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	478.3	40	666	0	71.8	53	123	0	0		
1,4-Dichlorobenzene	462	40	666	0	69.4	41.5	114	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-03B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	406.6	40	666	0	61.1	48	85.2	0	0		
2-Chlorophenol	462.4	40	666	0	69.4	52	113	0	0		
4-Chloro-3-methylphenol	526.8	40	666	0	79.1	50.3	111	0	0		
4-Nitrophenol	462.1	40	666	0	69.4	41.6	108	0	0		
Acenaphthene	476.8	40	666	0	71.6	43.6	113	0	0		
N-Nitrosodi-n-propylamine	448.1	40	666	0	67.3	42	120	0	0		
Pentachlorophenol	507	40	666	0	76.1	38.6	109	0	0		
Phenol	473.6	40	666	0	71.1	44.8	113	0	0		
Pyrene	610.7	40	666	0	91.7	46.2	104	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK063003** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK063003** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK063003** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **LCS063003** SampType: **LCS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **ZZZZZ** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	44.21	5.0	50	0	88.4	67.3	124	0	0		
Benzene	53.98	5.0	50	0	108	65.1	126	0	0		
Chlorobenzene	50.04	5.0	50	0	100	63.7	127	0	0		
Toluene	42.8	5.0	50	0	85.6	68.7	124	0	0		
Trichloroethene	42.21	5.0	50	0	84.4	63.4	123	0	0		

Sample ID: **0306116-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **B12 (0.5-2')** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.8	5.0	50	0	33.6	67.3	124	0	0		S
Benzene	26.06	5.0	50	0	52.1	65.1	126	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **0306116-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **B12 (0.5-2')** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	11.2	5.0	50	0	22.4	63.7	127	0	0		S
Toluene	17.99	5.0	50	0	36	68.7	124	0	0		S
Trichloroethene	13.58	5.0	50	0	27.2	63.4	123	0	0		S

Sample ID: **0306116-01AMSD** SampType: **MSD** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030630A**
Client ID: **B12 (0.5-2')** Batch ID: **R3162** TestNo: **SW8260B** Analysis Date: **6/30/2003** SeqNo: **25065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.02	5.0	50	0	32	67.3	124	16.8	4.75	20	S
Benzene	22.28	5.0	50	0	44.6	65.1	126	26.06	15.6	20	S
Chlorobenzene	7.36	5.0	50	0	14.7	63.7	127	11.2	41.4	20	SR
Toluene	14.18	5.0	50	0	28.4	68.7	124	17.99	23.7	20	SR
Trichloroethene	10.27	5.0	50	0	20.5	63.4	123	13.58	27.8	20	SR

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **MB063003A** SampType: **MBLK** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0250									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0200									
Chromium	U	0.0200									
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.0700									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Sample ID: **LCS 1** SampType: **LCS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24827**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.978	0.0200	2	0	98.9	75	125	0	0		
Antimony	1.98	0.0250	2	0	99	67	111	0	0		
Arsenic	1.975	0.0250	2	0	98.7	67.6	123	0	0		
Barium	1.973	0.0200	2	0	98.7	65.1	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **LCS 1** SampType: **LCS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24827**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	2.008	0.0200	2	0	100	60.8	118	0	0		
Cadmium	1.985	0.0100	2	0	99.2	62.9	114	0	0		
Calcium	2.006	0.0200	2	0	100	75	125	0	0		
Chromium	1.985	0.0200	2	0	99.3	64.8	120	0	0		
Cobalt	1.993	0.0200	2	0	99.7	75	125	0	0		
Copper	1.981	0.0200	2	0	99	61.4	118	0	0		
Iron	1.946	0.0200	2	0	97.3	75	125	0	0		
Lead	1.928	0.0150	2	0	96.4	60.6	119	0	0		
Magnesium	2.002	0.0200	2	0	100	75	125	0	0		
Manganese	2.008	0.0200	2	0	100	61	111	0	0		
Nickel	1.999	0.0200	2	0	100	66.5	126	0	0		
Potassium	20.12	0.0700	20	0	101	75	125	0	0		
Selenium	1.975	0.0250	2	0	98.7	60.5	115	0	0		
Silver	1.983	0.0200	2	0	99.1	72.4	106	0	0		
Sodium	2.006	0.0300	2	0	100	75	125	0	0		
Thallium	1.999	0.0150	2	0	99.9	62	116	0	0		
Vanadium	1.996	0.0200	2	0	99.8	75	125	0	0		
Zinc	1.985	0.0200	2	0	99.3	61	112	0	0		

Sample ID: **0306116-20B MS** SampType: **MS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW10 (0.5-2')** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2448	0.398	19.92	2509	-307	75	125	0	0		S
Antimony	14.05	0.498	19.92	0	70.5	67	111	0	0		
Arsenic	23.51	0.498	19.92	4.937	93.2	67.6	123	0	0		
Barium	41.85	0.398	19.92	25.78	80.7	65.1	120	0	0		
Beryllium	16.7	0.398	19.92	0	83.8	60.8	118	0	0		
Cadmium	17.81	0.199	19.92	0.5503	86.6	62.9	114	0	0		
Calcium	21450	0.398	19.92	21960	-2570	75	125	0	0		S
Chromium	27.07	0.398	19.92	10.74	82	64.8	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **0306116-20B MS** SampType: **MS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW10 (0.5-2')** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	20.37	0.398	19.92	5.152	76.4	75	125	0	0		
Copper	43.45	0.398	19.92	26.97	82.7	61.4	118	0	0		
Iron	4172	0.398	19.92	4260	-441	75	125	0	0		S
Lead	266.8	0.299	19.92	259.1	38.7	60.6	119	0	0		S
Magnesium	439.7	0.398	19.92	436.5	16	75	125	0	0		S
Manganese	118.1	0.398	19.92	105.7	62	61	111	0	0		
Nickel	23.74	0.398	19.92	8.637	75.8	66.5	126	0	0		
Potassium	1082	1.39	199.2	835.2	124	75	125	0	0		
Selenium	17.46	0.498	19.92	0.4651	85.3	60.5	115	0	0		
Silver	19.73	0.398	19.92	0.3427	97.3	72.4	106	0	0		
Sodium	263.1	0.598	19.92	251	61.1	75	125	0	0		S
Thallium	18.71	0.299	19.92	1.022	88.8	62	116	0	0		
Vanadium	35.3	0.398	19.92	19.3	80.3	75	125	0	0		
Zinc	173.1	0.398	19.92	163	50.5	61	112	0	0		S

Sample ID: **0306116-20B MSD** SampType: **MSD** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW10 (0.5-2')** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2468	0.398	19.92	2509	-204	75	125	2448	0.832	0	S
Antimony	14.28	0.498	19.92	0	71.7	67	111	14.05	1.65	20	
Arsenic	22.88	0.498	19.92	4.937	90.1	67.6	123	23.51	2.72	20	
Barium	42.45	0.398	19.92	25.78	83.7	65.1	120	41.85	1.41	20	
Beryllium	16.88	0.398	19.92	0	84.8	60.8	118	16.7	1.13	20	
Cadmium	17.87	0.199	19.92	0.5503	87	62.9	114	17.81	0.368	20	
Calcium	21540	0.398	19.92	21960	-2110	75	125	21450	0.432	0	S
Chromium	26.69	0.398	19.92	10.74	80.1	64.8	120	27.07	1.41	20	
Cobalt	20.63	0.398	19.92	5.152	77.7	75	125	20.37	1.27	20	
Copper	43.72	0.398	19.92	26.97	84	61.4	118	43.45	0.608	20	
Iron	4201	0.398	19.92	4260	-293	75	125	4172	0.704	0	S
Lead	268.1	0.299	19.92	259.1	45.2	60.6	119	266.8	0.491	20	S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **0306116-20B MSD** SampType: **MSD** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW10 (0.5-2')** Batch ID: **1433** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	437.7	0.398	19.92	436.5	5.86	75	125	439.7	0.462	0	S
Manganese	118.7	0.398	19.92	105.7	65.3	61	111	118.1	0.551	20	
Nickel	23.79	0.398	19.92	8.637	76.1	66.5	126	23.74	0.231	20	
Potassium	1097	1.39	199.2	835.2	131	75	125	1082	1.38	0	S
Selenium	17.58	0.498	19.92	0.4651	85.9	60.5	115	17.46	0.659	20	
Silver	19.9	0.398	19.92	0.3427	98.2	72.4	106	19.73	0.842	20	
Sodium	266.1	0.598	19.92	251	75.9	75	125	263.1	1.11	0	
Thallium	18.54	0.299	19.92	1.022	88	62	116	18.71	0.908	20	
Vanadium	35.42	0.398	19.92	19.3	80.9	75	125	35.3	0.355	20	
Zinc	173.2	0.398	19.92	163	51.2	61	112	173.1	0.0740	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306116-01B	205 *	95.7						
0306116-02B	143	112						
0306116-02BMS	131	107						
0306116-02BMSD	135	100						
0306116-03B	83.3	87.0						
0306116-04B	101	80.9						
0306116-05B	116	119						
0306116-06B	115	102						
0306116-07B	117	89.1						
0306116-08B	87.3	92.3						
0306116-09B	69.4	90.0						
0306116-10B	75.2	74.3						
0306116-11B	69.0	57.9 *						
0306116-12B	71.2	96.9						
0306116-13B	57.3 *	49.7 *						
0306116-14B	93.4	82.2						
0306116-15B	86.4	82.5						
0306116-16B	77.3	87.2						
0306116-17B	62.2	67.1						
0306116-18B	89.3	99.4						
0306116-19B	80.6	65.0						
0306116-20B	137	130						
0306117-03BMS	98.4	75.7						
0306117-03BMSD	102	82.7						
MSB070103	77.4	59.1 *						
MSB070203	112	99.2						
PSB070103	129	98.6						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	61.4-149
XYL2456CLM	=	TCX	63.9-130

*** Surrogate recovery outside acceptance limits**

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
PSB070203	95.6	81.0						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	61.4-149
XYL2456CLM	=	TCX	63.9-130

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306116-01B	133 *	71.5						
0306116-02B	130 *	119						
0306116-03B	143 *	127						
0306116-04B	70.4	89.2						
0306116-04BMS	137 *	127						
0306116-04BMSD	127 *	116						
0306116-05B	104	93.3						
0306116-06B	109	102						
0306116-07B	117	105						
0306116-08B	64.7	61.7						
0306116-09B	119	166 *						
0306116-10B	91.2	93.8						
0306116-11B	81.5	75.6						
0306116-12B	86.0	86.1						
0306116-13B	61.7	58.7						
0306116-14B	99.2	82.4						
0306116-15B	74.9	70.3						
0306116-16B	101	87.4						
0306116-17B	103	102						
0306116-18B	83.4	71.6						
0306116-19B	117	100						
0306116-20B	84.8	76.2						
0306117-01BMS	84.6	84.7						
0306117-01BMSD	93.0	71.7						
MSB070103	28.4 *	90.1						
MSB070203	67.4	78.7						
PSB070103	94.1	66.5						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	43.3-125
XYL2456CLM	=	TCX	31.2-128

*** Surrogate recovery outside acceptance limits**

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
PSB070203	69.6	60.2						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	43.3-125
XYL2456CLM	=	TCX	31.2-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0306116-01A	103	100	95.7					
0306116-01AMS	106	102	97.5					
0306116-01AMSD	103	101	98.3					
0306116-02A	101	100	95.7					
0306116-03A	117	100	100					
0306116-04A	104	96.6	94.2					
0306116-05A	107	94.6	92.3					
0306116-06A	112	95.8	91.4					
0306116-07A	110	91.4	96.4					
0306116-08A	115	90.6	86.8					
0306116-09A	113	89.3	85.6					
0306116-10A	107	87.6	91.7					
0306116-11A	106	85.0	93.7					
0306116-12A	117	85.4	88.9					
0306116-13A	98.8	94.7	100					
0306116-14A	97.0	95.6	106					
0306116-15A	99.8	95.1	104					
0306116-16A	98.9	93.8	107					
0306116-17A	73.2	90.2	104					
0306116-18A	96.4	94.9	104					
0306116-19A	99.7	97.0	111					
0306116-20A	100	94.0	108					
LCS063003	114	104	105					
VBLK063003	112	100	94.4					
VBLK070103	100	97.3	107					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	65.8-125
BZMED8	=	Toluene-d8	70.3-125
DBFM	=	Dibromofluoromethane	83.7-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0306116-01B	93.6	94.1	95.9	95.4	100	83.7		
0306116-02B	84.0	87.8	87.6	91.7	97.2	79.8		
0306116-03B	79.7	62.9	73.9	90.0	91.8	73.7		
0306116-04B	80.1	92.2	78.8	77.6	104	78.8		
0306116-04B	81.4	91.2	78.5	82.4	95.2	75.3		
0306116-04B	84.6	95.8	89.2	92.9	97.2	77.8		
0306116-04B MS	80.1	92.2	78.8	77.6	104	78.8		
0306116-04B MSD	81.4	91.2	78.5	82.4	95.2	75.3		
0306116-05B	87.0	91.5	88.9	96.6	99.2	80.2		
0306116-06B	81.0	96.2	78.6	92.5	102	76.0		
0306116-07B	127 *	102	95.0	96.0	101	84.5		
0306116-08B	87.5	118	81.2	97.3	108	77.9		
0306116-09B	91.8	77.2	94.4	87.6	111	92.2		
0306116-10B	83.6	90.2	90.1	90.5	96.5	85.8		
0306116-11B	35.3	44.2	36.0	40.6	43.5	36.9		
0306116-12B	79.0	106	85.0	88.5	95.0	71.3		
0306116-13B	74.1	110	83.3	86.5	93.8	74.4		
0306116-14B	79.6	104	77.4	92.6	97.6	72.3		
0306116-15B	64.1	80.0	60.4	75.3	90.7	60.2		
0306116-16B	110	98.0	86.8	102	108	83.8		
0306116-17B	78.0	90.8	81.9	85.6	89.8	74.8		
0306116-18B	85.7	105	79.8	100	103	87.5		
0306116-19B	81.5	107	82.0	88.0	114	80.5		
0306116-20B	84.4	97.3	85.7	87.4	93.6	77.2		
0306117-03B MS	72.5	81.2	77.2	78.4	101	69.6		
0306117-03B MSD	75.4	83.4	77.0	79.6	91.6	79.2		
LCS070103	82.4	84.2	91.5	84.2	104	88.8		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

CLIENT: AKRF, Inc
Work Order: 0306116
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
LCS070203	88.1	82.7	99.2	86.6	109	89.2		
SSB070103	81.7	81.4	83.6	88.8	98.1	76.0		
SSB070203	92.4	80.6	91.8	93.6	98.3	93.9		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

ASP CATEGORY A
WORKORDER 0306117
AKRF, INC.
GREENPOINT LUMBER YARD
BROOKLYN, N.Y.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

ASP CATEGORY A

COVER PAGE

July 28, 2003

Mimi Sotiriou
AKRF, Inc
116 East 27th Street
7th Floor
New York, NY 10016

TEL: (646) 459-3528
FAX (212) 726-0942

RE: Greenpoint Lumber Yard Brooklyn, NY

Order No.: 0306117

Dear Mimi Sotiriou:

American Analytical Laboratories, Inc. received 20 samples on 6/27/2003 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0306117

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306117-01A	MW10 (5'-7')		6/25/2003	6/27/2003
0306117-01B	MW10 (5'-7')		6/25/2003	6/27/2003
0306117-02A	B10 (5'-7')		6/26/2003	6/27/2003
0306117-02B	B10 (5'-7')		6/26/2003	6/27/2003
0306117-03A	B10 (9'-10')		6/26/2003	6/27/2003
0306117-03B	B10 (9'-10')		6/26/2003	6/27/2003
0306117-04A	MW9 (1.5-3.5')		6/26/2003	6/27/2003
0306117-04B	MW9 (1.5-3.5')		6/26/2003	6/27/2003
0306117-05A	MW9 (5'-6')		6/26/2003	6/27/2003
0306117-05B	MW9 (5'-6')		6/26/2003	6/27/2003
0306117-06A	B7 (9.5'-10.0')		6/26/2003	6/27/2003
0306117-07A	MW7 (10'-11')		6/26/2003	6/27/2003
0306117-07B	MW7 (10'-11')		6/26/2003	6/27/2003
0306117-08A	MW7 (6.5-7.5)		6/26/2003	6/27/2003
0306117-08B	MW7 (6.5-7.5)		6/26/2003	6/27/2003
0306117-09A	B11 (1-3)		6/26/2003	6/27/2003
0306117-09B	B11 (1-3)		6/26/2003	6/27/2003
0306117-10A	B11 (7-9)		6/26/2003	6/27/2003
0306117-10B	B11 (7-9)		6/26/2003	6/27/2003
0306117-11A	MW11 (0.5'-2')		6/26/2003	6/27/2003
0306117-11B	MW11 (0.5'-2')		6/26/2003	6/27/2003
0306117-12A	MW11 (7'-9')		6/26/2003	6/27/2003
0306117-12B	MW11 (7'-9')		6/26/2003	6/27/2003
0306117-13A	MW14 (3'-4')		6/26/2003	6/27/2003
0306117-13B	MW14 (3'-4')		6/26/2003	6/27/2003
0306117-14A	MW14 (6'-8')		6/26/2003	6/27/2003
0306117-14B	MW14 (6'-8')		6/26/2003	6/27/2003
0306117-15A	B14 (2'-3.5')		6/26/2003	6/27/2003
0306117-15B	B14 (2'-3.5')		6/26/2003	6/27/2003
0306117-16A	B14 (6'-8')		6/26/2003	6/27/2003
0306117-16B	B14 (6'-8')		6/26/2003	6/27/2003
0306117-17A	B15 (8.0'-9.0')		6/26/2003	6/27/2003
0306117-17B	B15 (8.0'-9.0')		6/26/2003	6/27/2003
0306117-18A	B15 (0.5'-2')		6/26/2003	6/27/2003
0306117-18B	B15 (0.5'-2')		6/26/2003	6/27/2003
0306117-19A	MW15 (0.5'-2')		6/26/2003	6/27/2003
0306117-19B	MW15 (0.5'-2')		6/26/2003	6/27/2003
0306117-20A	MW15 (6'-8')		6/26/2003	6/27/2003

CLIENT:	AKRF, Inc
Project:	Greenpoint Lumber Yard Brooklyn, NY
Lab Order:	0306117

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306117-20B	MW15 (6'-8')		6/26/2003	6/27/2003

SDG NARRATIVE

SDG Narrative

AAL Work Order: : 0306117
Sample Matrix : Soil
Project : Greenpoint

INTRODUCTION
This narrative covers the analysis of twenty (20) soils in accordance with protocols based on SW846 Methods 8260, 8270, 8081, 8082, 6010 and 7470.

HOLDING TIMES
The analytical holding time for these analyses was met.

CALIBRATIONS
Initial Calibration: All required minimum RRFs and maximum %RSD requirements have been met in accordance with the method.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the method.

TUNE PERFORMANCE
All Tune (BFB) specifications met QC requirements.

METHOD BLANKS
The method blanks associated with these samples did not contain any target compounds at or above QC.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE/DUPLICATES
MS/MSD/Dup analysis was performed as required. Results are submitted as an appendix to this report. Spike recoveries and RPD fell within established ranges except where noted on the summary sheets. No laboratory action is required for MS/MSD outliers.

INTERNAL STANDARDS
All area responses and retention times fell within acceptable ranges.

SURROGATES (SYSTEM MONITORING COMPOUNDS)
Surrogate recoveries are summarized in the appendix to this report.

SAMPLE COMMENTS
Samples were analyzed as per the required protocols.

Semivolatile Analysis:
Semivolatile analysis of sample B10 (5'-7') was analyzed at a 1:10 dilution. A secondary diluted reanalysis was perform (1:50) in order to obtain several PAH concentrations within the upper half of the instruments linear calibration range. Results have been hybridized on the Form I.

Sample MW9 (1.5-3.5') was initially analyzed undiluted. A diluted reanalysis (1:5) was performed as a result of Fluoranthene concentrations. Samples MW7 (6.5-7.5) and MW9 (5'-6') were analyzed at 1:2 dilutions. MW7 (6.5-7.5) was reanalyzed at a 1:20 dilution based upon target analyte PAH concentrations. B11 (1-3) was analyzed at a 1:8 dilution. A secondary reanalysis was performed at a 1:80.

MW11 (0.5'-2') and MW15 (0.5'-2') were initially analyzed at 1:2 dilutions. Based upon target analyte concentrations the sample extracts were reanalyzed at 1:10 dilutions.

All samples were analyzed undiluted for VOCs, Pesticides, PCBs and Metals.
I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his designee, as verified by the following signature." This statement shall be directly followed by signature of the Laboratory Manager or his designee with a typed line below it containing the signer's name and title, and the date of the signature.

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET
FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFERS

For reporting results, the following "Results Qualifers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		*VOA GC/MS METHOD #	*BNA GC/MS METHOD #	*VOA GC METHOD #	*PEST PCBs METHOD #	*METALS	*OTHER
MW10(5'-7')	0306117-01	8260	8270	NA	8081/ 8082	6010/ 7470	NA
B10(5'-7')	0306117-02						
B10(9'-10')	0306117-03						
MW9(1.5'-3.5')	0306117-04						
MW9(5'-6')	0306117-05						
B7(9.5-10.0)	0306117-06						
MW7(10-11)	0306117-07						
MW7(6.5-7.5)	0306117-08						
B11(1-3)	0306117-09						
B11(7-9)	0306117-10						
MW11(0.5-2')	0306117-11						
MW11(7'-9')	0306117-12						
MW14(3'-4')	0306117-13						
MW14(6'-8')	0306117-14						
B14(2'-3.5')	0306117-15						
B14(6'-8')	0306117-16						

B15 (8.0'-9.0') 0306117-17
B15(0.9'-2') 0306117-18
MW15 (0.5-2') 0306117-19
MW15 (6'-8') 0306117-20

NA = Not Applicable

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306117-01	SOIL	06/25/03	06/27/03	07/01/03	07/03/03
0306117-02		06/26/03			07/03/03, 07/08/03
0306117-03					07/02/03
0306117-04					07/07/03
0306117-05					07/07/03
0306117-06					07/07/03
0306117-07					07/03/03
0306117-08					07/03/03, 07/07/03
0306117-09					07/03/03, 07/08/03
0306117-10					07/03/03
0306117-11					07/03/03, 07/07/03
0306117-12					07/03/03
0306117-13					07/08/03
0306117-14					07/10/03
0306117-15					07/10/03
0306117-16					07/09/03
0306117-17					07/09/03
0306117-18					07/10/03
0306117-19					07/10/03, 07/11/03
0306117-20					07/11/03

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306117-01	SOIL	06/25/03	06/27/03	NA	07/02/03
0306117-02		06/26/03			07/01/03
0306117-03					
0306117-04					
0306117-05					
0306117-06					
0306117-07					07/02/03
0306117-08					07/02/03
0306117-09					07/01/03
0306117-10					
0306117-11					
0306117-12					
0306117-13					
0306117-14					07/02/03
0306117-15					
0306117-16					
0306117-17					
0306117-18					
0306117-19					
0306117-20					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE / PCB
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306117-01	SOIL	06/25/03	06/27/03	07/01/03	07/04/03
0306117-02		06/26/03			
0306117-03					07/09/03
0306117-04					07/04/03
0306117-05					
0306117-06					07/08/03
0306117-07					07/04/03
0306117-08					07/08/03
0306117-09					07/08/03
0306117-10					
0306117-11					
0306117-12					
0306117-13					07/09/03
0306117-14					
0306117-15					07/10/03
0306117-16					
0306117-17					
0306117-18					
0306117-19					
0306117-20					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILLARY CLEAN UP	DIL / CONC. FACTOR
0306117-01	SOIL	SW846 8270	SONC SW846 3550	NA	1
0306117-02	↓	↓	↓	↓	10,500
0306117-03	↓	↓	↓	↓	1
0306117-04	↓	↓	↓	↓	1,5
0306117-05	↓	↓	↓	↓	2
0306117-06	↓	↓	↓	↓	1
0306117-07	↓	↓	↓	↓	1
0306117-08	↓	↓	↓	↓	2,20
0306117-09	↓	↓	↓	↓	8,80
0306117-10	↓	↓	↓	↓	1
0306117-11	↓	↓	↓	↓	2,10
0306117-12	↓	↓	↓	↓	1
0306117-13	↓	↓	↓	↓	1
0306117-14	↓	↓	↓	↓	1
0306117-15	↓	↓	↓	↓	1
0306117-16	↓	↓	↓	↓	1
0306117-17	↓	↓	↓	↓	1
0306117-18	↓	↓	↓	↓	1
0306117-19	↓	↓	↓	↓	2,10
0306117-20	↓	↓	↓	↓	2,10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE ANALYZED
0306117-01	SOIL	TAL (23)	6/27/03	7/3/03
0306117-02				
0306117-03				
0306117-04				
0306117-05				
0306117-06				
0306117-07				
0306117-08				
0306117-09				
0306117-10				
0306117-11				
0306117-12				
0306117-13				
0306117-14				
0306117-15				

0306117-16
0306117-17
0306117-18
0306117-19
0306117-20

CHAIN OF CUSTODY FORMS

Sheet 2 of 5

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH	ELAP	11418
CTDOH	PH-0205	
NJDEP	NY050	
PADEP	68-573	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ALRF, Inc.
CONTACT: 917-612-7877
Mimi Sotiriou 646-459-3528

SAMPLER (SIGNATURE): M Sotiriou
DATE: 6/25/03 TIME: 1600
SAMPLER NAME (PRINT): M. Sotiriou
SAMPLE(S) SEALED: YES NO
CORRECT CONTAINER(S): YES NO

PROJECT LOCATION: 30260-0006
Greenpoint Lumber Yard Brooklyn, NY

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260 VOC	SVOC 8270	PCB 8081	Pest 8082	TAL Metals	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0306116-10A,B	S			B6 (0.5'-2')	X	X	X	X	X	
0306116-11A,11B				B6 (6'-7')						
0306116-12A,12B				MW6 (0.5'-2')						
0306116-13A,B				MW6 (6'-7')						
0306116-14A,B				MW8 (2'-4')						
0306116-15A,B				MW8 (5'-6.5')						
0306116-16A,B				B9 (14"-25")						
0306116-17A,B				B9 (5'-6')						
0306116-18A,18B				B8 ~~(5'-7')~~ (0.5-2')						
0306116-19A,19B				B8 (8'-10')						
0306116-20A,20B				MW10 (0.5-2')						
0306117-01A,B				MW10 (5'-7')						

COOLER TEMPERATURE:

COMMENTS / INSTRUCTIONS

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 1200	M. Sotiriou	Chris Dunn	6-27-03 2:Pm	Christopher Dunn
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH ELAP 11418
CTDOH PH-0205
NJDEP NY050
PADEP 68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: AKRF, Inc. Mimi Sotiriou

CONTACT: 917-612-7877 646-459-3528

SAMPLER (SIGNATURE): M Sotiriou

DATE: 6/26/03 TIME: 1600

SAMPLE(S) SEALED: YES / NO

SAMPLER NAME (PRINT): M. Sotiriou

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION:

ANALYSIS REQUIRED: VOC 8260, SVOC 8270, PCB 8081, Pest 8082, TAL Metals

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	VOC 8260	SVOC 8270	PCB 8081	Pest 8082	TAL Metals	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0306117-02A,B	S			B10 (5'-7')	X	X	X	X	X	
0306117-03A,B				B10 (9'-10')	X	X	X	X	X	
0306117-04A,B				MW9 (1.5'-3.5')	X	X	X	X	X	
0306117-05A,B				MW9 (5'-6')	X	X	X	X	X	
0306117-06A,B				B7 (9.5-10.0)	✓					
0306117-07A,B				MW7 ~~(9-10)~~ (10-11)	X	X	X	X	X	
0306117-08A,B				MW7 (6.5-7.5)	↓	↓	↓	↓	↓	
0306117-09A,B				B11 (1-3)						
0306117-10A,B				B11 (7-9)						
0306117-11A,B				MW11 (0.5-2')						
0306117-12A,B	✓			MW11 (7'-9')	✓	✓	✓	✓	✓	

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 12:00	M. Sotiriou	Chris Dann	6-27-03 2:00	Christopher Dann
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

Sheet 4 of 5

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

NYSDOH	ELAP	11418
CTDOH	PH-0205	
NJDEP	NY050	
PADEP	68-573	

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ACLF Inc.
CONTACT: 917-62-7877
Mimi Sotiriou 646-459-3528

SAMPLER (SIGNATURE): M Sotiriou
DATE: 6/26/03
TIME: 1600
SAMPLE(S) SEALED: YES / NO
SAMPLER NAME (PRINT): Mimi Sotiriou
CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION: Greenpoint Lumber Yard, Brooklyn
30260-0006

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	VOC 8260	SVOC 8270	PCB 8081	Pest 8082	TAL Metals	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0306117-13A	B3			MW14 (3'-4')	X	X	X	X	X	
0306117-14A	B			MW14 (6'-8')	↓	↓	↓	↓	↓	
0306117-15A	B			B14 (2'-3.5')	↓	↓	↓	↓	↓	
0306117-16A	B			B14 (6'-8')	↓	↓	↓	↓	↓	
0306117-17A	B		B15	~~MW16~~ (8.0'-9.0')	↓	↓	↓	↓	↓	
0306117-18A	B		B15	~~MW16~~ (0.5'-2')	↓	↓	↓	↓	↓	
0306117-19A	B		MW15	(0.5'-2')	↓	↓	↓	↓	↓	
0306117-20A	B		MW15	(6'-8')	↓	↓	↓	↓	↓	
				~~FIELD BLANK~~						
				~~FIELD BLANK~~						
				~~FIELD BLANK~~						

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
M Sotiriou	6/27/03 12:00	M Sotiriou	[signature]	6-27-03 2:Pm	Christopher Dunn
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

E-O E / C RY-L PINK PLE TODI GOL ROD- NT

GC/MS VOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Acetone	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Acrolein	U	25		µg/Kg	1	7/2/2003 3:15:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Benzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Ethanol	U	25		µg/Kg	1	7/2/2003 3:15:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 3:15:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Styrene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Toluene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 3:15:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 1:53:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 1:53:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 1:53:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 1:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 2:30:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 2:30:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 2:30:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 2:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 3:08:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 3:08:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 3:08:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 3:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 3:46:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 3:46:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 3:46:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 3:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7 (9.5'-10.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 4:24:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7 (9.5'-10.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 4:24:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 4:24:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B7 (9.5'-10.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-06A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 4:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Acetone	25	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Acetone	64	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 7:34:00 PM
Acrolein	U	25		µg/Kg	1	7/2/2003 5:10:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Benzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Ethanol	U	25		µg/Kg	1	7/2/2003 5:10:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 7:34:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 5:10:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 7:34:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Styrene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Toluene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 7:34:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 5:10:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 8:12:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 8:12:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 8:12:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 8:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2,4-Trimethylbenzene	3	5.0	J	µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,3,5-Trimethylbenzene	4	5.0	J	µg/Kg	1	7/1/2003 8:51:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
4-Isopropyltoluene	10	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 8:51:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 8:51:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
m,p-Xylene	1	10	J	µg/Kg	1	7/1/2003 8:51:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Naphthalene	110	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
o-Xylene	3	5.0	J	µg/Kg	1	7/1/2003 8:51:00 PM
p-Diethylbenzene	11	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
p-Ethyltoluene	6.8	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 8:51:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 9:28:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 9:28:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 9:28:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 9:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 10:06:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 10:06:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 10:06:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 10:06:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Acetone	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 10:44:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 10:44:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 10:44:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 10:44:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2-Butanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
2-Hexanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Acetone	49	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Acrolein	U	25		µg/Kg	1	7/1/2003 11:21:00 PM
Acrylonitrile	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Benzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromochloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromodichloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromoform	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Bromomethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Carbon disulfide	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chlorobenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chloroethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chloroform	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Chloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Dibromochloromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Dibromomethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Diisopropyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Ethanol	U	25		µg/Kg	1	7/1/2003 11:21:00 PM
Ethyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Ethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Freon-114	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Isopropyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Isopropylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
m,p-Xylene	U	10		µg/Kg	1	7/1/2003 11:21:00 PM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Methylene chloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Naphthalene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
n-Butyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
n-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
n-Propyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
n-Propylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
o-Xylene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Styrene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Tetrachloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Toluene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Trichloroethene	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM
Vinyl chloride	U	5.0		µg/Kg	1	7/1/2003 11:21:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003
2-Butanone	U	5.0		µg/Kg	1	7/2/2003
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003
Acetone	U	5.0		µg/Kg	1	7/2/2003
Acrolein	U	25		µg/Kg	1	7/2/2003
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003
Benzene	U	5.0		µg/Kg	1	7/2/2003
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003
Bromoform	U	5.0		µg/Kg	1	7/2/2003
Bromomethane	U	5.0		µg/Kg	1	7/2/2003
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003
Chloroethane	U	5.0		µg/Kg	1	7/2/2003
Chloroform	U	5.0		µg/Kg	1	7/2/2003
Chloromethane	U	5.0		µg/Kg	1	7/2/2003
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003
Ethanol	U	25		µg/Kg	1	7/2/2003
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003
Freon-114	U	5.0		µg/Kg	1	7/2/2003
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003
m,p-Xylene	U	10		µg/Kg	1	7/2/2003
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003
Naphthalene	U	5.0		µg/Kg	1	7/2/2003
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003
o-Xylene	U	5.0		µg/Kg	1	7/2/2003
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003
Styrene	U	5.0		µg/Kg	1	7/2/2003
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003
Toluene	U	5.0		µg/Kg	1	7/2/2003
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 12:38:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 12:38:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 12:38:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Trichloroethene	3	5.0	J	µg/Kg	1	7/2/2003 12:38:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 12:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 1:16:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 1:16:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 1:16:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 1:16:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Acetone	44	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 1:54:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 1:54:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 1:54:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 1:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 2:32:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 2:32:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 2:32:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 2:32:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 3:10:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 3:10:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 3:10:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 3.10:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 3:10:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 3:48:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 3:48:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 3:48:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 3:48:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

GC/MS SEMIVOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Methylnaphthalene	58	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Acenaphthene	180	40		µg/Kg	1	7/3/2003 3:13:00 AM
Acenaphthylene	45	40		µg/Kg	1	7/3/2003 3:13:00 AM
Aniline	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Anthracene	450	40		µg/Kg	1	7/3/2003 3:13:00 AM
Azobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzidine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(a)anthracene	1000	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(a)pyrene	990	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(b)fluoranthene	1100	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(g,h,i)perylene	690	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzo(k)fluoranthene	480	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzoic acid	110	40		µg/Kg	1	7/3/2003 3:13:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Bis(2-ethylhexyl)phthalate	55	40		µg/Kg	1	7/3/2003 3:13:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Carbazole	180	40		µg/Kg	1	7/3/2003 3:13:00 AM
Chrysene	1100	40		µg/Kg	1	7/3/2003 3:13:00 AM
Dibenzo(a,h)anthracene	150	40		µg/Kg	1	7/3/2003 3:13:00 AM
Dibenzofuran	120	40		µg/Kg	1	7/3/2003 3:13:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Fluoranthene	2700	40		µg/Kg	1	7/3/2003 3:13:00 AM
Fluorene	190	40		µg/Kg	1	7/3/2003 3:13:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Indeno(1,2,3-c,d)pyrene	690	40		µg/Kg	1	7/3/2003 3:13:00 AM
Isophorone	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Naphthalene	79	40		µg/Kg	1	7/3/2003 3:13:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Phenanthrene	2400	40		µg/Kg	1	7/3/2003 3:13:00 AM
Phenol	U	40		µg/Kg	1	7/3/2003 3:13:00 AM
Pyrene	2500	40		µg/Kg	1	7/3/2003 3:13:00 AM
Pyridine	U	40		µg/Kg	1	7/3/2003 3:13:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
1,2-Dichlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
1,3-Dichlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
1,4-Dichlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4,5-Trichlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4,6-Trichlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4-Dichlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4-Dimethylphenol	690	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4-Dinitrophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,4-Dinitrotoluene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2,6-Dinitrotoluene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Chloronaphthalene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Chlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Methylnaphthalene	56000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
2-Methylphenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Nitroaniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
2-Nitrophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
3,3'-Dichlorobenzidine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
3+4-Methylphenol	1100	400		µg/Kg	10	7/3/2003 11:34:00 PM
3-Nitroaniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4,6-Dinitro-2-methylphenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Bromophenyl phenyl ether	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Chloro-3-methylphenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Chloroaniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Chlorophenyl phenyl ether	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Nitroaniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
4-Nitrophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Acenaphthene	94000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Acenaphthylene	42000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Aniline	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Anthracene	240000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Azobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Benzidine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Benzo(a)anthracene	290000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzo(a)pyrene	240000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzo(b)fluoranthene	280000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzo(g,h,i)perylene	130000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzo(k)fluoranthene	82000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Benzoic acid	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Benzyl alcohol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Bis(2-chloroethyl)ether	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Bis(2-chloroisopropyl)ether	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Bis(2-ethylhexyl)phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Butyl benzyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Carbazole	64000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Chrysene	270000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Dibenzo(a,h)anthracene	31000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Dibenzofuran	100000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Diethyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Dimethyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Di-n-butyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Di-n-octyl phthalate	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Fluoranthene	760000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Fluorene	150000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Hexachlorobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Hexachlorobutadiene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Hexachlorocyclopentadiene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Hexachloroethane	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Indeno(1,2,3-c,d)pyrene	140000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Isophorone	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Naphthalene	100000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Nitrobenzene	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
N-Nitrosodimethylamine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
N-Nitrosodi-n-propylamine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
N-Nitrosodiphenylamine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Pentachlorophenol	U	400		µg/Kg	10	7/3/2003 11:34:00 PM
Phenanthrene	930000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Phenol	570	400		µg/Kg	10	7/3/2003 11:34:00 PM
Pyrene	690000	20000		µg/Kg	500	7/8/2003 6:27:00 PM
Pyridine	U	400		µg/Kg	10	7/3/2003 11:34:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Acenaphthene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Aniline	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Anthracene	47	40		µg/Kg	1	7/2/2003 11:54:00 PM
Azobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzidine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(a)anthracene	60	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(a)pyrene	49	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(b)fluoranthene	60	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzoic acid	95	40		µg/Kg	1	7/2/2003 11:54:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Carbazole	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Chrysene	64	40		µg/Kg	1	7/2/2003 11:54:00 PM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Fluoranthene	160	40		µg/Kg	1	7/2/2003 11:54:00 PM
Fluorene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Isophorone	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Naphthalene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Phenanthrene	180	40		µg/Kg	1	7/2/2003 11:54:00 PM
Phenol	U	40		µg/Kg	1	7/2/2003 11:54:00 PM
Pyrene	150	40		µg/Kg	1	7/2/2003 11:54:00 PM
Pyridine	U	40		µg/Kg	1	7/2/2003 11:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Methylnaphthalene	100	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
3+4-Methylphenol	54	40		µg/Kg	1	7/7/2003 3:41:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Acenaphthene	180	40		µg/Kg	1	7/7/2003 3:41:00 PM
Acenaphthylene	89	40		µg/Kg	1	7/7/2003 3:41:00 PM
Aniline	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Anthracene	580	40		µg/Kg	1	7/7/2003 3:41:00 PM
Azobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzidine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(a)anthracene	1300	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(a)pyrene	1100	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(b)fluoranthene	1400	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(g,h,i)perylene	740	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzo(k)fluoranthene	520	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzoic acid	110	40		µg/Kg	1	7/7/2003 3:41:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Bis(2-ethylhexyl)phthalate	91	40		µg/Kg	1	7/7/2003 3:41:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Carbazole	170	40		µg/Kg	1	7/7/2003 3:41:00 PM
Chrysene	1300	40		µg/Kg	1	7/7/2003 3:41:00 PM
Dibenzo(a,h)anthracene	190	40		µg/Kg	1	7/7/2003 3:41:00 PM
Dibenzofuran	130	40		µg/Kg	1	7/7/2003 3:41:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Fluoranthene	3100	200		µg/Kg	5	7/8/2003 4:34:00 PM
Fluorene	230	40		µg/Kg	1	7/7/2003 3:41:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Indeno(1,2,3-c,d)pyrene	770	40		µg/Kg	1	7/7/2003 3:41:00 PM
Isophorone	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Naphthalene	150	40		µg/Kg	1	7/7/2003 3:41:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Phenanthrene	2300	40		µg/Kg	1	7/7/2003 3:41:00 PM
Phenol	U	40		µg/Kg	1	7/7/2003 3:41:00 PM
Pyrene	2600	40		µg/Kg	1	7/7/2003 3:41:00 PM
Pyridine	U	40		µg/Kg	1	7/7/2003 3:41:00 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Methylnaphthalene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Acenaphthene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Acenaphthylene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Aniline	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Anthracene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Azobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzidine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(a)anthracene	360	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(a)pyrene	400	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(b)fluoranthene	520	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(g,h,i)perylene	300	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzo(k)fluoranthene	150	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzoic acid	98	80		µg/Kg	2	7/7/2003 3:00:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Bis(2-ethylhexyl)phthalate	84	80		µg/Kg	2	7/7/2003 3:00:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Carbazole	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Chrysene	450	80		µg/Kg	2	7/7/2003 3:00:00 PM
Dibenzo(a,h)anthracene	82	80		µg/Kg	2	7/7/2003 3:00:00 PM
Dibenzofuran	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Fluoranthene	650	80		µg/Kg	2	7/7/2003 3:00:00 PM
Fluorene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Indeno(1,2,3-c,d)pyrene	280	80		µg/Kg	2	7/7/2003 3:00:00 PM
Isophorone	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Naphthalene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Phenanthrene	350	80		µg/Kg	2	7/7/2003 3:00:00 PM
Phenol	U	80		µg/Kg	2	7/7/2003 3:00:00 PM
Pyrene	640	80		µg/Kg	2	7/7/2003 3:00:00 PM
Pyridine	U	80		µg/Kg	2	7/7/2003 3:00:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Methylnaphthalene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
3+4-Methylphenol	62	40		µg/Kg	1	7/3/2003 1:35:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Acenaphthene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Aniline	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Anthracene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Azobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzidine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(a)anthracene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(a)pyrene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(b)fluoranthene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzoic acid	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Carbazole	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Chrysene	47	40		µg/Kg	1	7/3/2003 1:35:00 AM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Dibenzofuran	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Fluoranthene	72	40		µg/Kg	1	7/3/2003 1:35:00 AM
Fluorene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Isophorone	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Naphthalene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Phenanthrene	59	40		µg/Kg	1	7/3/2003 1:35:00 AM
Phenol	U	40		µg/Kg	1	7/3/2003 1:35:00 AM
Pyrene	68	40		µg/Kg	1	7/3/2003 1:35:00 AM
Pyridine	U	40		µg/Kg	1	7/3/2003 1:35:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Methylnaphthalene	680	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Methylphenol	87	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
3,3´-Dichlorobenzidine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Acenaphthene	1400	80		µg/Kg	2	7/3/2003 9:18:00 PM
Acenaphthylene	480	80		µg/Kg	2	7/3/2003 9:18:00 PM
Aniline	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Anthracene	3800	80		µg/Kg	2	7/3/2003 9:18:00 PM
Azobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzidine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzo(a)anthracene	8400	800		µg/Kg	20	7/7/2003 5:13:00 PM
Benzo(a)pyrene	7400	800		µg/Kg	20	7/7/2003 5:13:00 PM
Benzo(b)fluoranthene	8600	800		µg/Kg	20	7/7/2003 5:13:00 PM
Benzo(g,h,i)perylene	3900	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzo(k)fluoranthene	2500	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzoic acid	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Carbazole	1700	80		µg/Kg	2	7/3/2003 9:18:00 PM
Carbazole	1900	800		µg/Kg	20	7/7/2003 5:13:00 PM
Chrysene	8100	800		µg/Kg	20	7/7/2003 5:13:00 PM
Dibenzo(a,h)anthracene	1000	80		µg/Kg	2	7/3/2003 9:18:00 PM
Dibenzofuran	1500	80		µg/Kg	2	7/3/2003 9:18:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Fluoranthene	20000	800		µg/Kg	20	7/7/2003 5:13:00 PM
Fluorene	1800	80		µg/Kg	2	7/3/2003 9:18:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Indeno(1,2,3-c,d)pyrene	4100	80		µg/Kg	2	7/3/2003 9:18:00 PM
Isophorone	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Naphthalene	1400	80		µg/Kg	2	7/3/2003 9:18:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Phenanthrene	19000	800		µg/Kg	20	7/7/2003 5:13:00 PM
Phenol	U	80		µg/Kg	2	7/3/2003 9:18:00 PM
Pyrene	17000	800		µg/Kg	20	7/7/2003 5:13:00 PM
Pyridine	U	80		µg/Kg	2	7/3/2003 9:18:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
1,2-Dichlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
1,3-Dichlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
1,4-Dichlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4,5-Trichlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4,6-Trichlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4-Dichlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4-Dimethylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4-Dinitrophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,4-Dinitrotoluene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2,6-Dinitrotoluene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Chloronaphthalene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Chlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Methylnaphthalene	1500	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Methylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Nitroaniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
2-Nitrophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
3,3´-Dichlorobenzidine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
3+4-Methylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
3-Nitroaniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4,6-Dinitro-2-methylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Bromophenyl phenyl ether	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Chloro-3-methylphenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Chloroaniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Chlorophenyl phenyl ether	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Nitroaniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
4-Nitrophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Acenaphthene	4000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Acenaphthylene	580	320		µg/Kg	8	7/3/2003 10:49:00 PM
Aniline	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Anthracene	13000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Azobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzidine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzo(a)anthracene	36000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Benzo(a)pyrene	32000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Benzo(b)fluoranthene	39000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Benzo(g,h,i)perylene	17000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzo(k)fluoranthene	11000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzoic acid	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Benzyl alcohol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Bis(2-chloroethyl)ether	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Bis(2-chloroisopropyl)ether	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Bis(2-ethylhexyl)phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Butyl benzyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Carbazole	4900	320		µg/Kg	8	7/3/2003 10:49:00 PM
Chrysene	37000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Dibenzo(a,h)anthracene	5500	320		µg/Kg	8	7/3/2003 10:49:00 PM
Dibenzofuran	4200	320		µg/Kg	8	7/3/2003 10:49:00 PM
Diethyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Dimethyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Di-n-butyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Di-n-octyl phthalate	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Fluoranthene	69000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Fluorene	5500	320		µg/Kg	8	7/3/2003 10:49:00 PM
Hexachlorobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Hexachlorobutadiene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Hexachlorocyclopentadiene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Hexachloroethane	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Indeno(1,2,3-c,d)pyrene	19000	320		µg/Kg	8	7/3/2003 10:49:00 PM
Isophorone	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Naphthalene	3600	320		µg/Kg	8	7/3/2003 10:49:00 PM
Nitrobenzene	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
N-Nitrosodimethylamine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
N-Nitrosodi-n-propylamine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
N-Nitrosodiphenylamine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Pentachlorophenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Phenanthrene	52000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Phenol	U	320		µg/Kg	8	7/3/2003 10:49:00 PM
Pyrene	65000	3200		µg/Kg	80	7/8/2003 5:35:00 PM
Pyridine	U	320		µg/Kg	8	7/3/2003 10:49:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Methylnaphthalene	41	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Acenaphthene	110	40		µg/Kg	1	7/3/2003 2:05:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Aniline	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Anthracene	310	40		µg/Kg	1	7/3/2003 2:05:00 PM
Azobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzidine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(a)anthracene	640	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(a)pyrene	590	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(b)fluoranthene	670	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(g,h,i)perylene	330	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzo(k)fluoranthene	270	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzoic acid	240	40		µg/Kg	1	7/3/2003 2:05:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM

Qualifiers:

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Carbazole	120	40		µg/Kg	1	7/3/2003 2:05:00 PM
Chrysene	670	40		µg/Kg	1	7/3/2003 2:05:00 PM
Dibenzo(a,h)anthracene	100	40		µg/Kg	1	7/3/2003 2:05:00 PM
Dibenzofuran	94	40		µg/Kg	1	7/3/2003 2:05:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Fluoranthene	1200	40		µg/Kg	1	7/3/2003 2:05:00 PM
Fluorene	140	40		µg/Kg	1	7/3/2003 2:05:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Indeno(1,2,3-c,d)pyrene	340	40		µg/Kg	1	7/3/2003 2:05:00 PM
Isophorone	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Naphthalene	83	40		µg/Kg	1	7/3/2003 2:05:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Phenanthrene	1200	40		µg/Kg	1	7/3/2003 2:05:00 PM
Phenol	U	40		µg/Kg	1	7/3/2003 2:05:00 PM
Pyrene	1100	40		µg/Kg	1	7/3/2003 2:05:00 PM
Pyridine	U	40		µg/Kg	1	7/3/2003 2:05:00 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Methylnaphthalene	120	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Acenaphthene	450	80		µg/Kg	2	7/3/2003 10:04:00 PM
Acenaphthylene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Aniline	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Anthracene	1100	80		µg/Kg	2	7/3/2003 10:04:00 PM
Azobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzidine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(a)anthracene	2200	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(a)pyrene	1900	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(b)fluoranthene	2300	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(g,h,i)perylene	1300	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzo(k)fluoranthene	850	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzoic acid	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM

Qualifiers:

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Bis(2-ethylhexyl)phthalate	130	80		µg/Kg	2	7/3/2003 10:04:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Carbazole	470	80		µg/Kg	2	7/3/2003 10:04:00 PM
Chrysene	2400	80		µg/Kg	2	7/3/2003 10:04:00 PM
Dibenzo(a,h)anthracene	320	80		µg/Kg	2	7/3/2003 10:04:00 PM
Dibenzofuran	240	80		µg/Kg	2	7/3/2003 10:04:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Fluoranthene	6400	400		µg/Kg	10	7/7/2003 5:56:00 PM
Fluorene	430	80		µg/Kg	2	7/3/2003 10:04:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Indeno(1,2,3-c,d)pyrene	1300	80		µg/Kg	2	7/3/2003 10:04:00 PM
Isophorone	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Naphthalene	100	80		µg/Kg	2	7/3/2003 10:04:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Phenanthrene	6600	400		µg/Kg	10	7/7/2003 5:56:00 PM
Phenol	U	80		µg/Kg	2	7/3/2003 10:04:00 PM
Pyrene	5100	80		µg/Kg	2	7/3/2003 10:04:00 PM
Pyridine	U	80		µg/Kg	2	7/3/2003 10:04:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Methylnaphthalene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
3,3´-Dichlorobenzidine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Acenaphthene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Aniline	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Anthracene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Azobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzidine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(a)anthracene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(a)pyrene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(b)fluoranthene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzoic acid	120	40		µg/Kg	1	7/3/2003 2:25:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Carbazole	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Chrysene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Dibenzofuran	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Fluoranthene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Fluorene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Isophorone	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Naphthalene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Phenanthrene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Phenol	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Pyrene	U	40		µg/Kg	1	7/3/2003 2:25:00 AM
Pyridine	U	40		µg/Kg	1	7/3/2003 2:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Acenaphthene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Aniline	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Anthracene	89	40		µg/Kg	1	7/8/2003 8:54:00 PM
Azobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzidine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(a)anthracene	370	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(a)pyrene	340	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(b)fluoranthene	420	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(g,h,i)perylene	190	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzo(k)fluoranthene	140	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzoic acid	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Carbazole	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Chrysene	470	40		µg/Kg	1	7/8/2003 8:54:00 PM
Dibenzo(a,h)anthracene	50	40		µg/Kg	1	7/8/2003 8:54:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Fluoranthene	890	40		µg/Kg	1	7/8/2003 8:54:00 PM
Fluorene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Indeno(1,2,3-c,d)pyrene	200	40		µg/Kg	1	7/8/2003 8:54:00 PM
Isophorone	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Naphthalene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Phenanthrene	500	40		µg/Kg	1	7/8/2003 8:54:00 PM
Phenol	U	40		µg/Kg	1	7/8/2003 8:54:00 PM
Pyrene	820	40		µg/Kg	1	7/8/2003 8:54:00 PM
Pyridine	U	40		µg/Kg	1	7/8/2003 8:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
3+4-Methylphenol	42	40		µg/Kg	1	7/10/2003 9:12:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Acenaphthene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Aniline	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Anthracene	46	40		µg/Kg	1	7/10/2003 9:12:00 PM
Azobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzidine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(a)anthracene	310	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(a)pyrene	310	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(b)fluoranthene	430	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(g,h,i)perylene	200	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzo(k)fluoranthene	130	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzoic acid	160	40		µg/Kg	1	7/10/2003 9:12:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Carbazole	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Chrysene	410	40		µg/Kg	1	7/10/2003 9:12:00 PM
Dibenzo(a,h)anthracene	56	40		µg/Kg	1	7/10/2003 9:12:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Fluoranthene	710	40		µg/Kg	1	7/10/2003 9:12:00 PM
Fluorene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Indeno(1,2,3-c,d)pyrene	210	40		µg/Kg	1	7/10/2003 9:12:00 PM
Isophorone	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Naphthalene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Phenanthrene	340	40		µg/Kg	1	7/10/2003 9:12:00 PM
Phenol	U	40		µg/Kg	1	7/10/2003 9:12:00 PM
Pyrene	770	40		µg/Kg	1	7/10/2003 9:12:00 PM
Pyridine	U	40		µg/Kg	1	7/10/2003 9:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
1,4-Dichlorobenzene	55	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Acenaphthene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Aniline	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Anthracene	56	40		µg/Kg	1	7/10/2003 9:58:00 PM
Azobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzidine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(a)anthracene	240	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(a)pyrene	250	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(b)fluoranthene	320	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(g,h,i)perylene	220	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzo(k)fluoranthene	100	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzoic acid	84	40		µg/Kg	1	7/10/2003 9:58:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Carbazole	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Chrysene	260	40		µg/Kg	1	7/10/2003 9:58:00 PM
Dibenzo(a,h)anthracene	55	40		µg/Kg	1	7/10/2003 9:58:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Fluoranthene	400	40		µg/Kg	1	7/10/2003 9:58:00 PM
Fluorene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Indeno(1,2,3-c,d)pyrene	190	40		µg/Kg	1	7/10/2003 9:58:00 PM
Isophorone	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Naphthalene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Phenanthrene	180	40		µg/Kg	1	7/10/2003 9:58:00 PM
Phenol	U	40		µg/Kg	1	7/10/2003 9:58:00 PM
Pyrene	410	40		µg/Kg	1	7/10/2003 9:58:00 PM
Pyridine	U	40		µg/Kg	1	7/10/2003 9:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Methylnaphthalene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Acenaphthene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Aniline	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Anthracene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Azobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzidine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(a)anthracene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(a)pyrene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(b)fluoranthene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzoic acid	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Carbazole	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Chrysene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Dibenzofuran	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Fluoranthene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Fluorene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Isophorone	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Naphthalene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Phenanthrene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Phenol	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Pyrene	U	40		µg/Kg	1	7/9/2003 9:46:00 AM
Pyridine	U	40		µg/Kg	1	7/9/2003 9:46:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Chloronaphthalene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Chlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Methylnaphthalene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Methylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Nitroaniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
2-Nitrophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
3+4-Methylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
3-Nitroaniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Chloroaniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Nitroaniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
4-Nitrophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Acenaphthene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Acenaphthylene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Aniline	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Anthracene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Azobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzidine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(a)anthracene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(a)pyrene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(b)fluoranthene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(g,h,i)perylene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzo(k)fluoranthene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzoic acid	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Benzyl alcohol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Bis(2-ethylhexyl)phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Carbazole	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Chrysene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Dibenzo(a,h)anthracene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Dibenzofuran	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Diethyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Dimethyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Fluoranthene	59	40		µg/Kg	1	7/9/2003 10:26:00 AM
Fluorene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Hexachlorobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Hexachlorobutadiene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Hexachloroethane	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Indeno(1,2,3-c,d)pyrene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Isophorone	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Naphthalene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Nitrobenzene	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Pentachlorophenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Phenanthrene	47	40		µg/Kg	1	7/9/2003 10:26:00 AM
Phenol	U	40		µg/Kg	1	7/9/2003 10:26:00 AM
Pyrene	60	40		µg/Kg	1	7/9/2003 10:26:00 AM
Pyridine	U	40		µg/Kg	1	7/9/2003 10:26:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
1,2-Dichlorobenzene	69	40		µg/Kg	1	7/10/2003 10:46:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Methylnaphthalene	250	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Acenaphthene	43	40		µg/Kg	1	7/10/2003 10:46:00 PM
Acenaphthylene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Aniline	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Anthracene	110	40		µg/Kg	1	7/10/2003 10:46:00 PM
Azobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzidine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(a)anthracene	460	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(a)pyrene	410	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(b)fluoranthene	590	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(g,h,i)perylene	440	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzo(k)fluoranthene	240	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzoic acid	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Bis(2-ethylhexyl)phthalate	690	40		µg/Kg	1	7/10/2003 10:46:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Carbazole	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Chrysene	540	40		µg/Kg	1	7/10/2003 10:46:00 PM
Dibenzo(a,h)anthracene	70	40		µg/Kg	1	7/10/2003 10:46:00 PM
Dibenzofuran	40	40		µg/Kg	1	7/10/2003 10:46:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Fluoranthene	730	40		µg/Kg	1	7/10/2003 10:46:00 PM
Fluorene	62	40		µg/Kg	1	7/10/2003 10:46:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Indeno(1,2,3-c,d)pyrene	330	40		µg/Kg	1	7/10/2003 10:46:00 PM
Isophorone	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Naphthalene	160	40		µg/Kg	1	7/10/2003 10:46:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Phenanthrene	510	40		µg/Kg	1	7/10/2003 10:46:00 PM
Phenol	U	40		µg/Kg	1	7/10/2003 10:46:00 PM
Pyrene	800	40		µg/Kg	1	7/10/2003 10:46:00 PM
Pyridine	U	40		µg/Kg	1	7/10/2003 10:46:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Chloronaphthalene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Chlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Methylnaphthalene	220	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Methylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Nitroaniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
2-Nitrophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
3+4-Methylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
3-Nitroaniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Chloroaniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Nitroaniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
4-Nitrophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Acenaphthene	550	80		µg/Kg	2	7/10/2003 11:33:00 PM
Acenaphthylene	200	80		µg/Kg	2	7/10/2003 11:33:00 PM
Aniline	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Anthracene	1400	80		µg/Kg	2	7/10/2003 11:33:00 PM
Azobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzidine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(a)anthracene	2700	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(a)pyrene	2200	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(b)fluoranthene	2800	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(g,h,i)perylene	1300	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzo(k)fluoranthene	720	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzoic acid	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Benzyl alcohol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Bis(2-ethylhexyl)phthalate	1100	80		µg/Kg	2	7/10/2003 11:33:00 PM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Carbazole	180	80		µg/Kg	2	7/10/2003 11:33:00 PM
Chrysene	2700	80		µg/Kg	2	7/10/2003 11:33:00 PM
Dibenzo(a,h)anthracene	370	80		µg/Kg	2	7/10/2003 11:33:00 PM
Dibenzofuran	300	80		µg/Kg	2	7/10/2003 11:33:00 PM
Diethyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Dimethyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Fluoranthene	5300	400		µg/Kg	10	7/11/2003 3:12:00 PM
Fluorene	460	80		µg/Kg	2	7/10/2003 11:33:00 PM
Hexachlorobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Hexachlorobutadiene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Hexachloroethane	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Indeno(1,2,3-c,d)pyrene	1300	80		µg/Kg	2	7/10/2003 11:33:00 PM
Isophorone	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Naphthalene	200	80		µg/Kg	2	7/10/2003 11:33:00 PM
Nitrobenzene	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Pentachlorophenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Phenanthrene	2700	80		µg/Kg	2	7/10/2003 11:33:00 PM
Phenol	U	80		µg/Kg	2	7/10/2003 11:33:00 PM
Pyrene	5600	400		µg/Kg	10	7/11/2003 3:12:00 PM
Pyridine	U	80		µg/Kg	2	7/10/2003 11:33:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Chloronaphthalene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Chlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Methylnaphthalene	95	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Methylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Nitroaniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
2-Nitrophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
3,3´-Dichlorobenzidine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
3+4-Methylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
3-Nitroaniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Chloroaniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Nitroaniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
4-Nitrophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Acenaphthene	570	80		µg/Kg	2	7/11/2003 12:21:00 AM
Acenaphthylene	300	80		µg/Kg	2	7/11/2003 12:21:00 AM
Aniline	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Anthracene	1600	80		µg/Kg	2	7/11/2003 12:21:00 AM
Azobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzidine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(a)anthracene	4600	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(a)pyrene	3800	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(b)fluoranthene	4200	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(g,h,i)perylene	2200	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzo(k)fluoranthene	1800	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzoic acid	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Benzyl alcohol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Carbazole	330	80		µg/Kg	2	7/11/2003 12:21:00 AM
Chrysene	4700	80		µg/Kg	2	7/11/2003 12:21:00 AM
Dibenzo(a,h)anthracene	620	80		µg/Kg	2	7/11/2003 12:21:00 AM
Dibenzofuran	290	80		µg/Kg	2	7/11/2003 12:21:00 AM
Diethyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Dimethyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Fluoranthene	8500	400		µg/Kg	10	7/11/2003 3:52:00 PM
Fluorene	460	80		µg/Kg	2	7/11/2003 12:21:00 AM
Hexachlorobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Hexachlorobutadiene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Hexachloroethane	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Indeno(1,2,3-c,d)pyrene	2200	80		µg/Kg	2	7/11/2003 12:21:00 AM
Isophorone	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Naphthalene	190	80		µg/Kg	2	7/11/2003 12:21:00 AM
Nitrobenzene	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Pentachlorophenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Phenanthrene	4700	80		µg/Kg	2	7/11/2003 12:21:00 AM
Phenol	U	80		µg/Kg	2	7/11/2003 12:21:00 AM
Pyrene	8400	400		µg/Kg	10	7/11/2003 3:52:00 PM
Pyridine	U	80		µg/Kg	2	7/11/2003 12:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

GC PESTICIDE/PCB DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Chlordane	7.5	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 11:10:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 11:10:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	25	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
4,4'-DDE	27	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
4,4'-DDT	32	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Chlordane	67	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
DBCP	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endrin	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 11:53:00 AM
Toxaphene	U	300		µg/Kg	1	7/4/2003 11:53:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Chlordane	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 8:59:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 8:59:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
DBCP	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endrin	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 12:58:00 PM
Toxaphene	U	300		µg/Kg	1	7/4/2003 12:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
DBCP	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endrin	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 1:41:00 PM
Toxaphene	U	300		µg/Kg	1	7/4/2003 1:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
beta-BHC	5	5.0	J	µg/Kg	1	7/8/2003 8:48:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 8:48:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 8:48:00 AM

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Aldrin	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Chlordane	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
DBCP	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endrin	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Heptachlor	8.0	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Isodrin	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/4/2003 2:24:00 PM
Toxaphene	U	300		µg/Kg	1	7/4/2003 2:24:00 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	150	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
4,4´-DDE	140	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
4,4´-DDT	29	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Chlordane	160	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 9:31:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 9:31:00 AM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 10:13:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 10:13:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
4,4'-DDE	13	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
4,4'-DDT	19	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Chlordane	16	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
DBCP	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endrin	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 10:56:00 AM
Toxaphene	U	300		µg/Kg	1	7/8/2003 10:56:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
4,4´-DDE	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
4,4´-DDT	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Aldrin	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Chlordane	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
DBCP	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endrin	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Isodrin	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/8/2003 12:16:00 PM
Toxaphene	U	300		µg/Kg	1	7/8/2003 12:16:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Chlordane	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 10:25:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 10:25:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Aldrin	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Chlordane	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
DBCP	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endrin	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Isodrin	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/9/2003 11:30:00 PM
Toxaphene	U	300		µg/Kg	1	7/9/2003 11:30:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 12:13:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 12:13:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 12:56:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 12:56:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
4,4´-DDE	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
4,4´-DDT	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 3:27:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 3:27:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 4:10:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 4:10:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	24	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
4,4'-DDE	17	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 4:53:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 4:53:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
DBCP	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endrin	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 5:58:00 AM
Toxaphene	U	300		µg/Kg	1	7/10/2003 5:58:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/9/2003 10:35:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/9/2003 10:35:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1254	150	80		µg/Kg	1	7/9/2003 11:17:00 AM
Aroclor 1260	160	80		µg/Kg	1	7/9/2003 11:17:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 4:57:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 4:57:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 5:40:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 5:40:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 6:23:00 AM
Aroclor 1260	40	80	J	µg/Kg	1	7/11/2003 6:23:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 7:28:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 7:28:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 8:11:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1254	480	80		µg/Kg	1	7/11/2003 8:54:00 AM
Aroclor 1260	160	80		µg/Kg	1	7/11/2003 8:54:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 10:38:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 10:38:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 11:21:00 AM
Aroclor 1260	50	80	J	µg/Kg	1	7/11/2003 11:21:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 12:04:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 12:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 4:14:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 4:14:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 4:56:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 4:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 5:39:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 5:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 6:45:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 6:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 7:28:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 7:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1254	60	80	J	µg/Kg	1	7/11/2003 8:11:00 PM
Aroclor 1260	50	80	J	µg/Kg	1	7/11/2003 8:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1254	50	80	J	µg/Kg	1	7/11/2003 9:17:00 PM
Aroclor 1260	50	80	J	µg/Kg	1	7/11/2003 9:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1221	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1232	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1242	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1248	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1254	U	80		µg/Kg	1	7/11/2003 10:00:00 PM
Aroclor 1260	U	80		µg/Kg	1	7/11/2003 10:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

INORGANIC DATA

RESULTS - INORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/25/2003
Lab ID:	0306117-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.094	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5330	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Antimony	U	0.436		mg/Kg	1	7/3/2003 11:33:18 AM
Arsenic	5.14	0.436		mg/Kg	1	7/3/2003 11:33:18 AM
Barium	57.1	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Beryllium	U	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Cadmium	0.433	0.174		mg/Kg	1	7/3/2003 11:33:18 AM
Calcium	3540	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Chromium	10.3	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Cobalt	8.85	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Copper	36.6	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Iron	5490	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Lead	46.8	0.261		mg/Kg	1	7/3/2003 11:33:18 AM
Magnesium	380	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Manganese	219	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Nickel	11.3	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Potassium	761	1.22		mg/Kg	1	7/3/2003 11:33:18 AM
Selenium	U	0.436		mg/Kg	1	7/3/2003 11:33:18 AM
Silver	U	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Sodium	240	0.523		mg/Kg	1	7/3/2003 11:33:18 AM
Thallium	1.05	0.261		mg/Kg	1	7/3/2003 11:33:18 AM
Vanadium	14.1	0.348		mg/Kg	1	7/3/2003 11:33:18 AM
Zinc	98.1	0.348		mg/Kg	1	7/3/2003 11:33:18 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (5'-7')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.276	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2890	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Antimony	U	0.445		mg/Kg	1	7/3/2003 11:39:01 AM
Arsenic	9.33	0.445		mg/Kg	1	7/3/2003 11:39:01 AM
Barium	141	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Beryllium	U	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Cadmium	4.06	0.178		mg/Kg	1	7/3/2003 11:39:01 AM
Calcium	18100	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Chromium	21.3	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Cobalt	13.9	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Copper	86.8	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Iron	6350	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Lead	246	0.267		mg/Kg	1	7/3/2003 11:39:01 AM
Magnesium	412	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Manganese	189	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Nickel	19.1	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Potassium	1110	1.25		mg/Kg	1	7/3/2003 11:39:01 AM
Selenium	0.43	0.445	J	mg/Kg	1	7/3/2003 11:39:01 AM
Silver	0.26	0.356	J	mg/Kg	1	7/3/2003 11:39:01 AM
Sodium	359	0.534		mg/Kg	1	7/3/2003 11:39:01 AM
Thallium	0.869	0.267		mg/Kg	1	7/3/2003 11:39:01 AM
Vanadium	14.3	0.356		mg/Kg	1	7/3/2003 11:39:01 AM
Zinc	288	0.356		mg/Kg	1	7/3/2003 11:39:01 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B10 (9'-10')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-03B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4230	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Antimony	U	0.456		mg/Kg	1	7/3/2003 11:42:13 AM
Arsenic	3.18	0.456		mg/Kg	1	7/3/2003 11:42:13 AM
Barium	39.5	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Beryllium	U	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Cadmium	U	0.182		mg/Kg	1	7/3/2003 11:42:13 AM
Calcium	5820	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Chromium	5.01	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Cobalt	6.16	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Copper	22.5	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Iron	3730	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Lead	3.12	0.274		mg/Kg	1	7/3/2003 11:42:13 AM
Magnesium	233	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Manganese	37.5	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Nickel	9.59	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Potassium	423	1.28		mg/Kg	1	7/3/2003 11:42:13 AM
Selenium	U	0.456		mg/Kg	1	7/3/2003 11:42:13 AM
Silver	U	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Sodium	402	0.547		mg/Kg	1	7/3/2003 11:42:13 AM
Thallium	0.994	0.274		mg/Kg	1	7/3/2003 11:42:13 AM
Vanadium	11.8	0.365		mg/Kg	1	7/3/2003 11:42:13 AM
Zinc	8.20	0.365		mg/Kg	1	7/3/2003 11:42:13 AM

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* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (1.5-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-04B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5430	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Antimony	U	0.490		mg/Kg	1	7/3/2003 11:44:37 AM
Arsenic	22.2	0.490		mg/Kg	1	7/3/2003 11:44:37 AM
Barium	162	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Beryllium	U	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Cadmium	2.33	0.196		mg/Kg	1	7/3/2003 11:44:37 AM
Calcium	6350	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Chromium	16.0	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Cobalt	12.3	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Copper	178	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Iron	6910	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Lead	161	0.294		mg/Kg	1	7/3/2003 11:44:37 AM
Magnesium	349	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Manganese	149	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Nickel	15.5	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Potassium	855	1.37		mg/Kg	1	7/3/2003 11:44:37 AM
Selenium	0.545	0.490		mg/Kg	1	7/3/2003 11:44:37 AM
Silver	U	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Sodium	341	0.588		mg/Kg	1	7/3/2003 11:44:37 AM
Thallium	1.71	0.294		mg/Kg	1	7/3/2003 11:44:37 AM
Vanadium	18.8	0.392		mg/Kg	1	7/3/2003 11:44:37 AM
Zinc	379	0.392		mg/Kg	1	7/3/2003 11:44:37 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9 (5'-6')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-05B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	0.31	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Antimony	U	0.458		mg/Kg	1	7/3/2003 11:53:08 AM
Arsenic	U	0.458		mg/Kg	1	7/3/2003 11:53:08 AM
Barium	0.407	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Beryllium	0.384	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Cadmium	0.344	0.183		mg/Kg	1	7/3/2003 11:53:08 AM
Calcium	0.421	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Chromium	0.31	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Cobalt	0.29	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Copper	0.33	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Iron	0.790	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Lead	U	0.275		mg/Kg	1	7/3/2003 11:53:08 AM
Magnesium	0.424	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Manganese	0.373	0.366		mg/Kg	1	7/3/2003 11:53:08 AM
Nickel	0.28	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Potassium	4.16	1.28		mg/Kg	1	7/3/2003 11:53:08 AM
Selenium	U	0.458		mg/Kg	1	7/3/2003 11:53:08 AM
Silver	0.36	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Sodium	0.18	0.549	J	mg/Kg	1	7/3/2003 11:53:08 AM
Thallium	0.522	0.275		mg/Kg	1	7/3/2003 11:53:08 AM
Vanadium	0.36	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM
Zinc	0.34	0.366	J	mg/Kg	1	7/3/2003 11:53:08 AM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (10'-11')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-07B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3660	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Antimony	U	0.421		mg/Kg	1	7/3/2003 11:55:49 AM
Arsenic	3.25	0.421		mg/Kg	1	7/3/2003 11:55:49 AM
Barium	70.9	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Beryllium	U	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Cadmium	U	0.168		mg/Kg	1	7/3/2003 11:55:49 AM
Calcium	19300	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Chromium	5.68	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Cobalt	5.61	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Copper	205	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Iron	3550	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Lead	22.4	0.253		mg/Kg	1	7/3/2003 11:55:49 AM
Magnesium	357	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Manganese	61.9	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Nickel	5.25	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Potassium	1180	1.18		mg/Kg	1	7/3/2003 11:55:49 AM
Selenium	U	0.421		mg/Kg	1	7/3/2003 11:55:49 AM
Silver	U	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Sodium	727	0.505		mg/Kg	1	7/3/2003 11:55:49 AM
Thallium	1.75	0.253		mg/Kg	1	7/3/2003 11:55:49 AM
Vanadium	9.89	0.337		mg/Kg	1	7/3/2003 11:55:49 AM
Zinc	24.7	0.337		mg/Kg	1	7/3/2003 11:55:49 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7 (6.5-7.5)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-08B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2060	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Antimony	U	0.443		mg/Kg	1	7/3/2003 11:58:32 AM
Arsenic	4.56	0.443		mg/Kg	1	7/3/2003 11:58:32 AM
Barium	42.9	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Beryllium	U	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Cadmium	0.199	0.177		mg/Kg	1	7/3/2003 11:58:32 AM
Calcium	20400	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Chromium	4.83	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Cobalt	7.64	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Copper	26.6	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Iron	5060	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Lead	220	0.266		mg/Kg	1	7/3/2003 11:58:32 AM
Magnesium	400	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Manganese	203	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Nickel	6.58	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Potassium	1090	1.24		mg/Kg	1	7/3/2003 11:58:32 AM
Selenium	1.04	0.443		mg/Kg	1	7/3/2003 11:58:32 AM
Silver	U	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Sodium	257	0.532		mg/Kg	1	7/3/2003 11:58:32 AM
Thallium	1.35	0.266		mg/Kg	1	7/3/2003 11:58:32 AM
Vanadium	12.5	0.355		mg/Kg	1	7/3/2003 11:58:32 AM
Zinc	59.9	0.355		mg/Kg	1	7/3/2003 11:58:32 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (1-3)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-09B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2840	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Antimony	3.67	0.440		mg/Kg	1	7/3/2003 12:00:56 PM
Arsenic	6.63	0.440		mg/Kg	1	7/3/2003 12:00:56 PM
Barium	153	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Beryllium	U	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Cadmium	3.46	0.176		mg/Kg	1	7/3/2003 12:00:56 PM
Calcium	6840	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Chromium	12.1	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Cobalt	8.77	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Copper	186	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Iron	5340	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Lead	969	0.264		mg/Kg	1	7/3/2003 12:00:56 PM
Magnesium	389	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Manganese	150	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Nickel	15.4	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Potassium	765	1.23		mg/Kg	1	7/3/2003 12:00:56 PM
Selenium	U	0.440		mg/Kg	1	7/3/2003 12:00:56 PM
Silver	0.26	0.352	J	mg/Kg	1	7/3/2003 12:00:56 PM
Sodium	234	0.528		mg/Kg	1	7/3/2003 12:00:56 PM
Thallium	0.870	0.264		mg/Kg	1	7/3/2003 12:00:56 PM
Vanadium	16.6	0.352		mg/Kg	1	7/3/2003 12:00:56 PM
Zinc	297	0.352		mg/Kg	1	7/3/2003 12:00:56 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B11 (7-9)
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-10B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.067	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4020	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Antimony	U	0.421		mg/Kg	1	7/3/2003 12:03:46 PM
Arsenic	2.36	0.421		mg/Kg	1	7/3/2003 12:03:46 PM
Barium	40.2	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Beryllium	U	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Cadmium	1.72	0.168		mg/Kg	1	7/3/2003 12:03:46 PM
Calcium	1750	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Chromium	6.56	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Cobalt	7.76	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Copper	19.9	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Iron	4390	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Lead	45.1	0.253		mg/Kg	1	7/3/2003 12:03:46 PM
Magnesium	384	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Manganese	125	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Nickel	10.9	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Potassium	652	1.18		mg/Kg	1	7/3/2003 12:03:46 PM
Selenium	U	0.421		mg/Kg	1	7/3/2003 12:03:46 PM
Silver	U	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Sodium	163	0.505		mg/Kg	1	7/3/2003 12:03:46 PM
Thallium	0.817	0.253		mg/Kg	1	7/3/2003 12:03:46 PM
Vanadium	11.6	0.337		mg/Kg	1	7/3/2003 12:03:46 PM
Zinc	269	0.337		mg/Kg	1	7/3/2003 12:03:46 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-11B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.092	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	1930	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Antimony	6.12	0.436		mg/Kg	1	7/3/2003 12:06:09 PM
Arsenic	9.54	0.436		mg/Kg	1	7/3/2003 12:06:09 PM
Barium	97.4	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Beryllium	U	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Cadmium	0.476	0.174		mg/Kg	1	7/3/2003 12:06:09 PM
Calcium	6470	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Chromium	9.01	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Cobalt	14.4	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Copper	280	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Iron	6050	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Lead	1350	0.261		mg/Kg	1	7/3/2003 12:06:09 PM
Magnesium	285	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Manganese	198	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Nickel	13.4	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Potassium	651	1.22		mg/Kg	1	7/3/2003 12:06:09 PM
Selenium	U	0.436		mg/Kg	1	7/3/2003 12:06:09 PM
Silver	0.358	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Sodium	226	0.523		mg/Kg	1	7/3/2003 12:06:09 PM
Thallium	0.529	0.261		mg/Kg	1	7/3/2003 12:06:09 PM
Vanadium	11.7	0.348		mg/Kg	1	7/3/2003 12:06:09 PM
Zinc	315	0.348		mg/Kg	1	7/3/2003 12:06:09 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11 (7'-9')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-12B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	4560	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Antimony	U	0.463		mg/Kg	1	7/3/2003 12:08:45 PM
Arsenic	3.41	0.463		mg/Kg	1	7/3/2003 12:08:45 PM
Barium	14.8	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Beryllium	U	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Cadmium	U	0.185		mg/Kg	1	7/3/2003 12:08:45 PM
Calcium	2640	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Chromium	7.00	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Cobalt	8.01	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Copper	11.9	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Iron	5420	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Lead	8.70	0.278		mg/Kg	1	7/3/2003 12:08:45 PM
Magnesium	417	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Manganese	209	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Nickel	7.17	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Potassium	743	1.30		mg/Kg	1	7/3/2003 12:08:45 PM
Selenium	U	0.463		mg/Kg	1	7/3/2003 12:08:45 PM
Silver	U	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Sodium	130	0.556		mg/Kg	1	7/3/2003 12:08:45 PM
Thallium	1.75	0.278		mg/Kg	1	7/3/2003 12:08:45 PM
Vanadium	13.1	0.370		mg/Kg	1	7/3/2003 12:08:45 PM
Zinc	30.4	0.370		mg/Kg	1	7/3/2003 12:08:45 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (3'-4')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-13B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.056	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	6160	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Antimony	U	0.443		mg/Kg	1	7/3/2003 12:11:16 PM
Arsenic	3.90	0.443		mg/Kg	1	7/3/2003 12:11:16 PM
Barium	33.8	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Beryllium	U	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Cadmium	U	0.177		mg/Kg	1	7/3/2003 12:11:16 PM
Calcium	674	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Chromium	10.2	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Cobalt	13.4	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Copper	12.6	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Iron	6270	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Lead	21.7	0.266		mg/Kg	1	7/3/2003 12:11:16 PM
Magnesium	425	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Manganese	181	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Nickel	13.8	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Potassium	975	1.24		mg/Kg	1	7/3/2003 12:11:16 PM
Selenium	U	0.443		mg/Kg	1	7/3/2003 12:11:16 PM
Silver	U	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Sodium	134	0.532		mg/Kg	1	7/3/2003 12:11:16 PM
Thallium	1.67	0.266		mg/Kg	1	7/3/2003 12:11:16 PM
Vanadium	16.2	0.355		mg/Kg	1	7/3/2003 12:11:16 PM
Zinc	62.0	0.355		mg/Kg	1	7/3/2003 12:11:16 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-14B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.068	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5360	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Antimony	U	0.436		mg/Kg	1	7/3/2003 12:13:57 PM
Arsenic	3.63	0.436		mg/Kg	1	7/3/2003 12:13:57 PM
Barium	23.5	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Beryllium	U	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Cadmium	U	0.174		mg/Kg	1	7/3/2003 12:13:57 PM
Calcium	914	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Chromium	8.81	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Cobalt	9.13	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Copper	9.57	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Iron	5780	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Lead	14.8	0.261		mg/Kg	1	7/3/2003 12:13:57 PM
Magnesium	405	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Manganese	238	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Nickel	9.25	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Potassium	563	1.22		mg/Kg	1	7/3/2003 12:13:57 PM
Selenium	U	0.436		mg/Kg	1	7/3/2003 12:13:57 PM
Silver	U	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Sodium	117	0.523		mg/Kg	1	7/3/2003 12:13:57 PM
Thallium	1.59	0.261		mg/Kg	1	7/3/2003 12:13:57 PM
Vanadium	14.1	0.348		mg/Kg	1	7/3/2003 12:13:57 PM
Zinc	31.7	0.348		mg/Kg	1	7/3/2003 12:13:57 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (2'-3.5')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-15B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.422	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2810	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Antimony	U	0.470		mg/Kg	1	7/3/2003 12:16:18 PM
Arsenic	3.89	0.470		mg/Kg	1	7/3/2003 12:16:18 PM
Barium	518	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Beryllium	U	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Cadmium	1.66	0.188		mg/Kg	1	7/3/2003 12:16:18 PM
Calcium	23300	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Chromium	20.2	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Cobalt	8.48	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Copper	71.7	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Iron	6050	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Lead	1870	0.282		mg/Kg	1	7/3/2003 12:16:18 PM
Magnesium	377	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Manganese	145	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Nickel	5.71	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Potassium	1100	1.32		mg/Kg	1	7/3/2003 12:16:18 PM
Selenium	U	0.470		mg/Kg	1	7/3/2003 12:16:18 PM
Silver	0.456	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Sodium	250	0.564		mg/Kg	1	7/3/2003 12:16:18 PM
Thallium	1.66	0.282		mg/Kg	1	7/3/2003 12:16:18 PM
Vanadium	10.3	0.376		mg/Kg	1	7/3/2003 12:16:18 PM
Zinc	586	0.376		mg/Kg	1	7/3/2003 12:16:18 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B14 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-16B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	6140	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Antimony	U	0.468		mg/Kg	1	7/3/2003 12:28:52 PM
Arsenic	2.91	0.468		mg/Kg	1	7/3/2003 12:28:52 PM
Barium	28.0	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Beryllium	U	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Cadmium	0.505	0.187		mg/Kg	1	7/3/2003 12:28:52 PM
Calcium	785	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Chromium	10.2	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Cobalt	10.5	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Copper	18.7	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Iron	6080	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Lead	14.1	0.281		mg/Kg	1	7/3/2003 12:28:52 PM
Magnesium	436	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Manganese	100	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Nickel	17.0	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Potassium	792	1.31		mg/Kg	1	7/3/2003 12:28:52 PM
Selenium	U	0.468		mg/Kg	1	7/3/2003 12:28:52 PM
Silver	U	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Sodium	146	0.562		mg/Kg	1	7/3/2003 12:28:52 PM
Thallium	1.29	0.281		mg/Kg	1	7/3/2003 12:28:52 PM
Vanadium	14.0	0.375		mg/Kg	1	7/3/2003 12:28:52 PM
Zinc	99.1	0.375		mg/Kg	1	7/3/2003 12:28:52 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (8.0'-9.0')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-17B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	3950	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Antimony	U	0.475		mg/Kg	1	7/3/2003 12:31:45 PM
Arsenic	2.94	0.475		mg/Kg	1	7/3/2003 12:31:45 PM
Barium	17.2	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Beryllium	U	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Cadmium	U	0.190		mg/Kg	1	7/3/2003 12:31:45 PM
Calcium	588	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Chromium	6.77	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Cobalt	7.84	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Copper	13.8	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Iron	5750	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Lead	8.13	0.285		mg/Kg	1	7/3/2003 12:31:45 PM
Magnesium	417	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Manganese	183	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Nickel	9.51	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Potassium	484	1.33		mg/Kg	1	7/3/2003 12:31:45 PM
Selenium	U	0.475		mg/Kg	1	7/3/2003 12:31:45 PM
Silver	U	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Sodium	139	0.570		mg/Kg	1	7/3/2003 12:31:45 PM
Thallium	0.924	0.285		mg/Kg	1	7/3/2003 12:31:45 PM
Vanadium	10.4	0.380		mg/Kg	1	7/3/2003 12:31:45 PM
Zinc	29.9	0.380		mg/Kg	1	7/3/2003 12:31:45 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	B15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-18B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	6730	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Antimony	U	0.479		mg/Kg	1	7/3/2003 12:34:35 PM
Arsenic	10.5	0.479		mg/Kg	1	7/3/2003 12:34:35 PM
Barium	218	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Beryllium	4.02	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Cadmium	U	0.192		mg/Kg	1	7/3/2003 12:34:35 PM
Calcium	13200	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Chromium	68.3	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Cobalt	54.7	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Copper	598	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Iron	7940	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Lead	397	0.287		mg/Kg	1	7/3/2003 12:34:35 PM
Magnesium	416	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Manganese	246	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Nickel	72.6	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Potassium	1400	1.34		mg/Kg	1	7/3/2003 12:34:35 PM
Selenium	U	0.479		mg/Kg	1	7/3/2003 12:34:35 PM
Silver	U	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Sodium	546	0.575		mg/Kg	1	7/3/2003 12:34:35 PM
Thallium	U	0.287		mg/Kg	1	7/3/2003 12:34:35 PM
Vanadium	21.3	0.383		mg/Kg	1	7/3/2003 12:34:35 PM
Zinc	1230	0.383		mg/Kg	1	7/3/2003 12:34:35 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (0.5'-2')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-19B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2670	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Antimony	U	0.451		mg/Kg	1	7/3/2003 12:37:29 PM
Arsenic	6.54	0.451		mg/Kg	1	7/3/2003 12:37:29 PM
Barium	111	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Beryllium	U	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Cadmium	0.198	0.181		mg/Kg	1	7/3/2003 12:37:29 PM
Calcium	23400	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Chromium	6.32	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Cobalt	6.70	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Copper	39.1	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Iron	5330	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Lead	178	0.271		mg/Kg	1	7/3/2003 12:37:29 PM
Magnesium	408	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Manganese	139	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Nickel	6.64	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Potassium	943	1.26		mg/Kg	1	7/3/2003 12:37:29 PM
Selenium	U	0.451		mg/Kg	1	7/3/2003 12:37:29 PM
Silver	U	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Sodium	347	0.542		mg/Kg	1	7/3/2003 12:37:29 PM
Thallium	1.77	0.271		mg/Kg	1	7/3/2003 12:37:29 PM
Vanadium	10.3	0.361		mg/Kg	1	7/3/2003 12:37:29 PM
Zinc	121	0.361		mg/Kg	1	7/3/2003 12:37:29 PM

Qualifiers:

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J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15 (6'-8')
Lab Order:	0306117	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306117-20B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.846	0.0500		mg/Kg	1	7/3/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	2620	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Antimony	U	0.460		mg/Kg	1	7/3/2003 12:40:26 PM
Arsenic	8.55	0.460		mg/Kg	1	7/3/2003 12:40:26 PM
Barium	46.2	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Beryllium	U	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Cadmium	0.12	0.184	J	mg/Kg	1	7/3/2003 12:40:26 PM
Calcium	2340	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Chromium	6.86	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Cobalt	10.7	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Copper	28.6	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Iron	6290	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Lead	178	0.276		mg/Kg	1	7/3/2003 12:40:26 PM
Magnesium	415	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Manganese	147	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Nickel	14.4	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Potassium	534	1.29		mg/Kg	1	7/3/2003 12:40:26 PM
Selenium	U	0.460		mg/Kg	1	7/3/2003 12:40:26 PM
Silver	U	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Sodium	202	0.551		mg/Kg	1	7/3/2003 12:40:26 PM
Thallium	1.17	0.276		mg/Kg	1	7/3/2003 12:40:26 PM
Vanadium	10.7	0.368		mg/Kg	1	7/3/2003 12:40:26 PM
Zinc	71.6	0.368		mg/Kg	1	7/3/2003 12:40:26 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Appendix

American Analytical Laboratories, Inc.

Date: *30-Jul-03*

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703A**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25252**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709E**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25527**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709E**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25527**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.74	5.0	16.65	0	107	69	130	0	0		
Aldrin	6.054	5.0	6.66	0	90.9	66	128	0	0		
Dieldrin	16.9	5.0	16.65	0	102	67	126	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin	18.47	5.0	16.65	0	111	72	124	0	0		
gamma-BHC	6.487	5.0	6.66	0	97.4	68	122	0	0		
Heptachlor	7.817	5.0	6.66	0	117	64	130	0	0		

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/10/2003** SeqNo: **25671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	21.42	5.0	16.65	0	129	69	130	0	0		
Aldrin	6.377	5.0	6.66	0	95.8	66	128	0	0		
Dieldrin	21.88	5.0	16.65	0	131	67	126	0	0		S
Endrin	26.44	5.0	16.65	0	159	72	124	0	0		S
gamma-BHC	6.707	5.0	6.66	0	101	68	122	0	0		
Heptachlor	6.757	5.0	6.66	0	101	64	130	0	0		

Sample ID: **0306117-03BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B10 (9'-10')** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25658**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.03	5.0	16.65	0	90.3	69	130	0	0		
Aldrin	6.163	5.0	6.66	0	92.5	66	128	0	0		
Dieldrin	14.33	5.0	16.65	0	86	67	126	0	0		
Endrin	15.28	5.0	16.65	0	91.8	72	124	0	0		
gamma-BHC	5.214	5.0	6.66	0	78.3	68	122	0	0		
Heptachlor	6.094	5.0	6.66	0	91.5	64	130	0	0		

Sample ID: **0306117-16BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B14 (6'-8')** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	14.93	5.0	16.65	0	89.7	69	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **0306117-16BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B14 (6'-8')** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	5.565	5.0	6.66	0	83.6	66	128	0	0		
Dieldrin	14.93	5.0	16.65	0	89.7	67	126	0	0		
Endrin	17.82	5.0	16.65	0	107	72	124	0	0		
gamma-BHC	5.166	5.0	6.66	0	77.6	68	122	0	0		
Heptachlor	6.34	5.0	6.66	0	95.2	64	130	0	0		

Sample ID: **0306117-03BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B10 (9'-10')** Batch ID: **1431** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25659**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.21	5.0	16.65	0	103	69	130	15.03	13.5	20	
Aldrin	6.247	5.0	6.66	0	93.8	66	128	6.163	1.35	20	
Dieldrin	15.47	5.0	16.65	0	92.9	67	126	14.33	7.67	20	
Endrin	18.49	5.0	16.65	0	111	72	124	15.28	19.0	20	
gamma-BHC	5.696	5.0	6.66	0	85.5	68	122	5.214	8.84	20	
Heptachlor	6.866	5.0	6.66	0	103	64	130	6.094	11.9	20	

Sample ID: **0306117-16BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **B14 (6'-8')** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	19.66	5.0	16.65	0	118	69	130	14.93	27.3	20	R
Aldrin	6.82	5.0	6.66	0	102	66	128	5.565	20.3	20	R
Dieldrin	19.76	5.0	16.65	0	119	67	126	14.93	27.9	20	R
Endrin	23.73	5.0	16.65	0	143	72	124	17.82	28.4	20	SR
gamma-BHC	6.284	5.0	6.66	0	94.4	68	122	5.166	19.5	20	
Heptachlor	7.451	5.0	6.66	0	112	64	130	6.34	16.1	20	

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707A**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707B**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25422**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709F**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **PSB070203** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **MSB070203** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	147.2	80	166.5	0	88.4	59	122	0	0		
Aroclor 1260	162.1	80	166.5	0	97.4	57	121	0	0		

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	131.4	80	166.5	0	78.9	59	122	0	0		
Aroclor 1260	141.4	80	166.5	0	84.9	57	121	0	0		

Sample ID: **0306117-01BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **MW10 (5'-7')** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	189.1	80	166.5	0	114	59	122	0	0		
Aroclor 1260	193.5	80	166.5	0	116	57	121	0	0		

Sample ID: **0306117-17BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **B15 (8.0'-9.0')** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	228.2	80	166.5	0	137	59	122	0	0		S
Aroclor 1260	254.3	80	166.5	0	153	57	121	0	0		S

Sample ID: **0306117-01BMSD** SampType: **MSD** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **MW10 (5'-7')** Batch ID: **1429** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	291.3	80	166.5	0	175	59	122	189.1	42.6	20	SR
Aroclor 1260	315.2	80	166.5	0	189	57	121	193.5	47.9	20	SR

Sample ID: **0306117-17BMSD** SampType: **MSD** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **B15 (8.0'-9.0')** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	367.2	80	166.5	0	221	59	122	228.2	46.7	20	SR
Aroclor 1260	401.1	80	166.5	0	241	57	121	254.3	44.8	20	SR

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030701B
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25216

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030701B**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D (SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030702A
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25537

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070203	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/2/2003	Run ID: SYSTEM T_030702A
Client ID: ZZZZZ	Batch ID: 1428	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/3/2003	SeqNo: 25537

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070203** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/3/2003** SeqNo: **25537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D (SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **LCS070203** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	541.2	40	666	0	81.3	53	123	0	0		
1,4-Dichlorobenzene	513.2	40	666	0	77.1	41.5	114	0	0		
2,4-Dinitrotoluene	420.5	40	666	0	63.1	48	85.2	0	0		
2-Chlorophenol	534.2	40	666	0	80.2	52	113	0	0		
4-Chloro-3-methylphenol	538.8	40	666	0	80.9	50.3	111	0	0		
4-Nitrophenol	462.2	40	666	0	69.4	41.6	108	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **LCS070203** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	497	40	666	0	74.6	43.6	113	0	0		
N-Nitrosodi-n-propylamine	521.8	40	666	0	78.4	42	120	0	0		
Pentachlorophenol	445.3	40	666	0	66.9	38.6	109	0	0		
Phenol	511.9	40	666	0	76.9	44.8	113	0	0		
Pyrene	629.8	40	666	0	94.6	46.2	104	0	0		

Sample ID: **LCS070803** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	452.7	40	666	0	68	53	123	0	0		
1,4-Dichlorobenzene	445.3	40	666	0	66.9	41.5	114	0	0		
2,4-Dinitrotoluene	328.4	40	666	0	49.3	48	85.2	0	0		
2-Chlorophenol	449.8	40	666	0	67.5	52	113	0	0		
4-Chloro-3-methylphenol	440.4	40	666	0	66.1	50.3	111	0	0		
4-Nitrophenol	379.2	40	666	0	56.9	41.6	108	0	0		
Acenaphthene	455.6	40	666	0	68.4	43.6	113	0	0		
N-Nitrosodi-n-propylamine	443.4	40	666	0	66.6	42	120	0	0		
Pentachlorophenol	404.1	40	666	0	60.7	38.6	109	0	0		
Phenol	462.4	40	666	0	69.4	44.8	113	0	0		
Pyrene	510.9	40	666	0	76.7	46.2	104	0	0		

Sample ID: **0306117-03B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B10 (9'-10')** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	422.8	40	666	0	63.5	53	123	0	0		
1,4-Dichlorobenzene	390.4	40	666	0	58.6	41.5	114	0	0		
2,4-Dinitrotoluene	448.2	40	666	0	67.3	48	85.2	0	0		
2-Chlorophenol	424.9	40	666	0	63.8	52	113	0	0		
4-Chloro-3-methylphenol	573.7	40	666	0	86.1	50.3	111	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-03B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B10 (9'-10')** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	500.5	40	666	0	75.1	41.6	108	0	0		
Acenaphthene	493.8	40	666	0	74.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	413.7	40	666	0	62.1	42	120	0	0		
Pentachlorophenol	537.7	40	666	0	80.7	38.6	109	0	0		
Phenol	426.9	40	666	0	64.1	44.8	113	0	0		
Pyrene	665.6	40	666	0	99.9	46.2	104	0	0		

Sample ID: **0306117-17B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B15 (8.0'-9.0')** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	473.8	40	666	0	71.1	53	123	0	0		
1,4-Dichlorobenzene	414.4	40	666	0	62.2	41.5	114	0	0		
2,4-Dinitrotoluene	387.7	40	666	0	58.2	48	85.2	0	0		
2-Chlorophenol	423.4	40	666	0	63.6	52	113	0	0		
4-Chloro-3-methylphenol	478.8	40	666	0	71.9	50.3	111	0	0		
4-Nitrophenol	411.7	40	666	0	61.8	41.6	108	0	0		
Acenaphthene	441.2	40	666	0	66.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	421.5	40	666	0	63.3	42	120	0	0		
Pentachlorophenol	461.6	40	666	0	69.3	38.6	109	0	0		
Phenol	454.2	40	666	0	68.2	44.8	113	0	0		
Pyrene	688.5	40	666	0	103	46.2	104	0	0		

Sample ID: **0306117-03B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B10 (9'-10')** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	478.3	40	666	0	71.8	53	123	0	0		
1,4-Dichlorobenzene	462	40	666	0	69.4	41.5	114	0	0		
2,4-Dinitrotoluene	406.6	40	666	0	61.1	48	85.2	0	0		
2-Chlorophenol	462.4	40	666	0	69.4	52	113	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-03B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/2/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B10 (9'-10')** Batch ID: **1428** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/2/2003** SeqNo: **25535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	526.8	40	666	0	79.1	50.3	111	0	0		
4-Nitrophenol	462.1	40	666	0	69.4	41.6	108	0	0		
Acenaphthene	476.8	40	666	0	71.6	43.6	113	0	0		
N-Nitrosodi-n-propylamine	448.1	40	666	0	67.3	42	120	0	0		
Pentachlorophenol	507	40	666	0	76.1	38.6	109	0	0		
Phenol	473.6	40	666	0	71.1	44.8	113	0	0		
Pyrene	610.7	40	666	0	91.7	46.2	104	0	0		

Sample ID: **0306117-17B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **B15 (8.0'-9.0')** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	411.1	40	666	0	61.7	53	123	0	0		
1,4-Dichlorobenzene	409.2	40	666	0	61.4	41.5	114	0	0		
2,4-Dinitrotoluene	406.4	40	666	0	61	48	85.2	0	0		
2-Chlorophenol	493.4	40	666	0	74.1	52	113	0	0		
4-Chloro-3-methylphenol	499.3	40	666	0	75	50.3	111	0	0		
4-Nitrophenol	417	40	666	0	62.6	41.6	108	0	0		
Acenaphthene	461.5	40	666	0	69.3	43.6	113	0	0		
N-Nitrosodi-n-propylamine	485.3	40	666	0	72.9	42	120	0	0		
Pentachlorophenol	458.7	40	666	0	68.9	38.6	109	0	0		
Phenol	443.8	40	666	0	66.6	44.8	113	0	0		
Pyrene	698.9	40	666	0	105	46.2	104	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **25046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **LSC070203** SampType: **LCS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **ZZZZZ** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24769**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	53.97	5.0	50	0	108	67.3	124	0	0		
Benzene	54.72	5.0	50	0	109	65.1	126	0	0		
Chlorobenzene	55.92	5.0	50	0	112	63.7	127	0	0		
Toluene	53.57	5.0	50	0	107	68.7	124	0	0		
Trichloroethene	56.66	5.0	50	0	113	63.4	123	0	0		

Sample ID: **0306117-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **MW10 (5'-7')** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24772**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23.6	5.0	50	0	47.2	67.3	124	0	0		S
Benzene	24.56	5.0	50	0	49.1	65.1	126	0	0		S
Chlorobenzene	16.89	5.0	50	0	33.8	63.7	127	0	0		S
Toluene	20.65	5.0	50	0	41.3	68.7	124	0	0		S
Trichloroethene	19.44	5.0	50	0	38.9	63.4	123	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **0306117-01AMSD** SampType: **MSD** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701A**
Client ID: **MW10 (5'-7')** Batch ID: **R3163** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	24.18	5.0	50	0	48.4	67.3	124	23.6	2.43	20	S
Benzene	26.11	5.0	50	0	52.2	65.1	126	24.56	6.12	20	S
Chlorobenzene	16.01	5.0	50	0	32	63.7	127	16.89	5.35	20	S
Toluene	21.5	5.0	50	0	43	68.7	124	20.65	4.03	20	S
Trichloroethene	19.58	5.0	50	0	39.2	63.4	123	19.44	0.718	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **MB070203B** SampType: **MBLK** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0250									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0200									
Chromium	U	0.0200									
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.0700									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Sample ID: **LCS2** SampType: **LCS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.994	0.0200	2	0	99.7	75	125	0	0		
Antimony	1.989	0.0250	2	0	99.5	67	111	0	0		
Arsenic	2.134	0.0250	2	0	107	67.6	123	0	0		
Barium	1.992	0.0200	2	0	99.6	65.1	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **LCS2** SampType: **LCS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **ZZZZZ** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	2.011	0.0200	2	0	101	60.8	118	0	0		
Cadmium	1.97	0.0100	2	0	98.5	62.9	114	0	0		
Calcium	2.03	0.0200	2	0	101	75	125	0	0		
Chromium	2.01	0.0200	2	0	101	64.8	120	0	0		
Cobalt	1.998	0.0200	2	0	99.9	75	125	0	0		
Copper	1.983	0.0200	2	0	99.1	61.4	118	0	0		
Iron	1.938	0.0200	2	0	96.9	75	125	0	0		
Lead	1.929	0.0150	2	0	96.4	60.6	119	0	0		
Magnesium	2.011	0.0200	2	0	101	75	125	0	0		
Manganese	2.02	0.0200	2	0	101	61	111	0	0		
Nickel	2.024	0.0200	2	0	101	66.5	126	0	0		
Potassium	20.17	0.0700	20	0	101	75	125	0	0		
Selenium	2.033	0.0250	2	0	102	60.5	115	0	0		
Silver	2.014	0.0200	2	0	101	72.4	106	0	0		
Sodium	2	0.0300	2	0	100	75	125	0	0		
Thallium	2.034	0.0150	2	0	102	62	116	0	0		
Vanadium	2.009	0.0200	2	0	100	75	125	0	0		
Zinc	2.004	0.0200	2	0	100	61	112	0	0		

Sample ID: **0306117-20B MS** SampType: **MS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW15 (6'-8')** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24879**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2596	0.368	18.38	2621	-138	75	125	0	0		S
Antimony	13.54	0.460	18.38	0	73.7	67	111	0	0		
Arsenic	26.74	0.460	18.38	8.553	98.9	67.6	123	0	0		
Barium	61.7	0.368	18.38	46.16	84.5	65.1	120	0	0		
Beryllium	14.1	0.368	18.38	0	76.7	60.8	118	0	0		
Cadmium	16.08	0.184	18.38	0.1171	86.8	62.9	114	0	0		
Calcium	2284	0.368	18.38	2340	-302	75	125	0	0		S
Chromium	22.8	0.368	18.38	6.863	86.7	64.8	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **0306117-20B MS** SampType: **MS** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW15 (6'-8')** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24879**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	25.95	0.368	18.38	10.74	82.8	75	125	0	0		
Copper	45.35	0.368	18.38	28.57	91.3	61.4	118	0	0		
Iron	6214	0.368	18.38	6294	-436	75	125	0	0		S
Lead	188.8	0.276	18.38	177.6	60.9	60.6	119	0	0		
Magnesium	415.3	0.368	18.38	414.6	3.96	75	125	0	0		S
Manganese	157.7	0.368	18.38	146.7	59.9	61	111	0	0		S
Nickel	29.45	0.368	18.38	14.37	82.1	66.5	126	0	0		
Potassium	716	1.29	183.8	534.2	98.9	75	125	0	0		
Selenium	14.44	0.460	18.38	0	78.6	60.5	115	0	0		
Silver	17.33	0.368	18.38	0	94.3	72.4	106	0	0		
Sodium	217.3	0.551	18.38	201.7	84.8	75	125	0	0		
Thallium	15.56	0.276	18.38	1.172	78.3	62	116	0	0		
Vanadium	27.27	0.368	18.38	10.7	90.1	75	125	0	0		
Zinc	85.38	0.368	18.38	71.57	75.1	61	112	0	0		

Sample ID: **0306117-20B MSD** SampType: **MSD** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW15 (6'-8')** Batch ID: **1434** TestNo: **SW6010B** **(SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2599	0.368	18.38	2621	-122	75	125	2596	0.114	0	S
Antimony	13.78	0.460	18.38	0	75	67	111	13.54	1.76	20	
Arsenic	26.48	0.460	18.38	8.553	97.5	67.6	123	26.74	0.976	20	
Barium	61.89	0.368	18.38	46.16	85.6	65.1	120	61.7	0.319	20	
Beryllium	13.93	0.368	18.38	0	75.8	60.8	118	14.1	1.22	20	
Cadmium	16.2	0.184	18.38	0.1171	87.5	62.9	114	16.08	0.760	20	
Calcium	2290	0.368	18.38	2340	-271	75	125	2284	0.245	0	S
Chromium	23.07	0.368	18.38	6.863	88.1	64.8	120	22.8	1.14	20	
Cobalt	25.17	0.368	18.38	10.74	78.5	75	125	25.95	3.05	20	
Copper	45.41	0.368	18.38	28.57	91.6	61.4	118	45.35	0.135	20	
Iron	6161	0.368	18.38	6294	-724	75	125	6214	0.857	0	S
Lead	188.4	0.276	18.38	177.6	58.8	60.6	119	188.8	0.202	20	S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_S

Sample ID: **0306117-20B MSD** SampType: **MSD** TestCode: **ICP_TAL_S** Units: **mg/Kg** Prep Date: Run ID: **ICP A_030703A**
Client ID: **MW15 (6'-8')** Batch ID: **1434** TestNo: **SW6010B (SW3050A)** Analysis Date: **7/3/2003** SeqNo: **24880**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	414.1	0.368	18.38	414.6	-2.82	75	125	415.3	0.301	0	S
Manganese	157.8	0.368	18.38	146.7	60.4	61	111	157.7	0.0561	20	S
Nickel	29.61	0.368	18.38	14.37	82.9	66.5	126	29.45	0.534	20	
Potassium	715.7	1.29	183.8	534.2	98.7	75	125	716	0.0319	0	
Selenium	14.94	0.460	18.38	0	81.3	60.5	115	14.44	3.35	20	
Silver	17.44	0.368	18.38	0	94.9	72.4	106	17.33	0.599	20	
Sodium	217.4	0.551	18.38	201.7	85.6	75	125	217.3	0.0695	0	
Thallium	15.55	0.276	18.38	1.172	78.2	62	116	15.56	0.0471	20	
Vanadium	27.22	0.368	18.38	10.7	89.9	75	125	27.27	0.169	20	
Zinc	85.36	0.368	18.38	71.57	75	61	112	85.38	0.0186	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8081B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306117-01B	68.0	50.9 *						
0306117-02B	57.8 *	70.1						
0306117-03B	105	102						
0306117-03BMS	98.4	75.7						
0306117-03BMSD	102	82.7						
0306117-04B	76.0	73.5						
0306117-05B	96.7	85.4						
0306117-07B	77.9	69.2						
0306117-08B	66.9	69.9						
0306117-09B	84.1	89.3						
0306117-10B	81.8	78.1						
0306117-11B	72.0	74.9						
0306117-12B	99.0	74.3						
0306117-13B	81.5	70.3						
0306117-14B	104	89.5						
0306117-15B	63.4	65.3						
0306117-16B	46.9 *	94.4						
0306117-16BMS	102	71.4						
0306117-16BMSD	126	85.4						
0306117-17B	82.1	65.6						
0306117-18B	55.6 *	65.7						
0306117-19B	87.6	99.3						
0306117-20B	88.7	81.1						
MSB070203	112	99.2						
MSB070303	141	114						
PSB070203	95.6	81.0						
PSB070303	116	106						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	61.4-149
XYL2456CLM	=	TCX	63.9-130

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8082A **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306117-01B	48.8	60.3						
0306117-01BMS	84.6	84.7						
0306117-01BMSD	93.0	71.7						
0306117-02B	70.9	65.3						
0306117-03B	56.6	78.5						
0306117-04B	43.8	69.6						
0306117-05B	133	121						
0306117-07B	125	112						
0306117-08B	116	97.4						
0306117-09B	68.6	57.4						
0306117-10B	87.6	76.4						
0306117-11B	83.3	71.0						
0306117-12B	52.5	65.2						
0306117-13B	54.0	61.4						
0306117-14B	75.6	73.3						
0306117-15B	25.3 *	57.2						
0306117-16B	65.5	89.1						
0306117-17B	101	87.4						
0306117-17BMS	123	109						
0306117-17BMSD	112	97.8						
0306117-18B	68.4	60.6						
0306117-19B	76.8	70.1						
0306117-20B	62.3	61.9						
MSB070203	67.4	78.7						
MSB070303	77.7	68.6						
PSB070203	69.6	60.2						
PSB070303	65.5	55.2						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	34.2-138
XYL2456CLM	=	TCX	31.2-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8260B **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0306117-01A	118	86.3	89.1					
0306117-01AMS	120	86.9	88.5					
0306117-01AMSD	119	87.7	89.8					
0306117-02A	90.8	95.1	110					
0306117-03A	97.9	100	104					
0306117-04A	93.0	96.0	110					
0306117-05A	97.3	95.3	112					
0306117-06A	95.6	96.4	96.2					
0306117-07A	108	85.7	21.6 *					
0306117-08A	102	98.8	95.2					
0306117-09A	101	94.0	95.3					
0306117-10A	97.0	98.2	94.2					
0306117-11A	97.0	97.9	98.2					
0306117-12A	98.5	98.8	99.5					
0306117-13A	99.2	97.9	98.6					
0306117-14A	96.7	97.0	99.5					
0306117-15A	98.3	96.1	97.0					
0306117-16A	97.3	97.0	95.8					
0306117-17A	97.5	99.5	98.3					
0306117-18A	94.3	98.5	96.6					
0306117-19A	98.5	97.6	97.1					
0306117-20A	96.0	101	98.7					
LSC070203	99.9	97.9	104					
VBLK070103	100	97.3	107					
VBLK070103B	95.9	98.0	94.7					
VBLK070203	98.5	99.7	102					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	65.8-125
BZMED8	=	Toluene-d8	70.3-125
DBFM	=	Dibromofluoromethane	83.7-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0306117-01B	77.1	101	73.2	90.1	99.1	74.8		
0306117-02B	94.0	104	76.5	98.0	100	71.0		
0306117-03B	72.5	81.2	77.2	78.4	101	69.6		
0306117-03B	75.4	83.4	77.0	79.6	91.6	79.2		
0306117-03B	79.9	86.1	92.2	76.7	97.4	78.2		
0306117-03B MS	72.5	81.2	77.2	78.4	101	69.6		
0306117-03B MSD	75.4	83.4	77.0	79.6	91.6	79.2		
0306117-04B	80.0	115	78.0	91.3	95.0	75.4		
0306117-05B	67.2	69.5	64.6	73.8	83.0	54.6		
0306117-07B	73.5	84.7	70.0	90.4	94.1	70.4		
0306117-08B	66.8	118	69.1	84.6	96.8	71.0		
0306117-09B	105	89.2	74.4	86.4	86.4	66.4		
0306117-10B	80.8	104	82.2	89.4	98.9	75.7		
0306117-11B	62.2	107	52.4	81.8	89.0	61.5		
0306117-12B	82.7	89.2	89.8	84.2	97.7	72.6		
0306117-13B	83.3	85.8	78.0	82.5	95.3	62.3		
0306117-14B	73.8	100	70.8	83.0	102	75.2		
0306117-15B	89.7	103	85.6	93.6	105	85.4		
0306117-16B	48.0	79.0	65.5	67.7	101	52.8		
0306117-17B	82.4	77.6	74.4	75.5	101	77.1		
0306117-17B	69.6	90.0	78.0	75.7	98.4	69.8		
0306117-17B	86.7	87.2	84.5	85.2	100	61.4		
0306117-17B MS	82.4	77.6	74.4	75.5	101	77.1		
0306117-17B MSD	69.6	90.0	78.0	75.7	98.4	69.8		
0306117-18B	85.6	92.9	71.6	84.9	95.6	76.0		
0306117-19B	91.6	95.7	71.2	89.8	105	75.2		
0306117-20B	75.0	95.3	79.2	84.6	97.0	73.1		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

CLIENT: AKRF, Inc
Work Order: 0306117
Project: Greenpoint Lumber Yard Brooklyn
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
LCS070203	88.1	82.7	99.2	86.6	109	89.2		
LCS070803	80.3	79.4	74.2	76.6	81.5	77.2		
SSB070203	92.4	80.6	91.8	93.6	98.3	93.9		
SSB070803 A	75.1	89.0	69.5	78.1	107	52.6		
SSB070803B	86.2	74.2	80.0	85.5	101	54.4		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

ASP CATEGORY A
WORKORDER 0306118
AKRF, INC.
GREENPOINT LUMBER YARD
BROOKLYN, N.Y.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

ASP CATEGORY A

COVER PAGE

July 28, 2003

Mimi Sotiriou
AKRF, Inc
116 East 27th Street
7th Floor
New York, NY 10016

TEL: (646) 459-3528
FAX (212) 726-0942

RE: Greenpoint Lumber Yard Brooklyn, NY

Order No.: 0306118

Dear Mimi Sotiriou:

American Analytical Laboratories, Inc. received 8 samples on 6/27/2003 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0306118

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0306118-01A	MW16 (0.5-2')		6/26/2003	6/27/2003
0306118-01B	MW16 (0.5-2')		6/26/2003	6/27/2003
0306118-02A	MW16 (8.5-9.5)		6/26/2003	6/27/2003
0306118-02B	MW16 (8.5-9.5)		6/26/2003	6/27/2003
0306118-03A	Trip Blank #1		6/26/2003	6/27/2003
0306118-04A	Field Blank #1		6/26/2003	6/27/2003
0306118-04B	Field Blank #1		6/26/2003	6/27/2003
0306118-05A	Field Blank #2		6/26/2003	6/27/2003
0306118-05B	Field Blank #2		6/26/2003	6/27/2003
0306118-06A	Field Blank #3		6/26/2003	6/27/2003
0306118-06B	Field Blank #3		6/26/2003	6/27/2003
0306118-07A	Trip Blank #2		6/26/2003	6/27/2003
0306118-08A	Trip Blank #3		6/26/2003	6/27/2003

SDG NARRATIVE

SDG Narrative

AAL Work Order: : 0306118
Sample Matrix : Soil
Project : Greenpoint

INTRODUCTION
This narrative covers the analysis of two (2) soils and the associated quality control samples (Field Blanks and Trip Blanks) in accordance with protocols based on SW846 Methods 8260, 8270, 8081, 8082, 6010 and 7470.

HOLDING TIMES
The analytical holding time for these analyses was met.

CALIBRATIONS
Initial Calibration: All required minimum RRFs and maximum %RSD requirements have been met in accordance with the method.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the method.

TUNE PERFORMANCE
All Tune (BFB) specifications met QC requirements.

METHOD BLANKS
The method blanks associated with these samples did not contain any target compounds at or above QC.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE/DUPLICATES
MS/MSD/Dup analysis was performed as required. Results are submitted as an appendix to this report. Spike recoveries and RPD fell within established ranges except where noted on the summary sheets. No laboratory action is required for MS/MSD outliers.

INTERNAL STANDARDS
All area responses and retention times fell within acceptable ranges.

SURROGATES (SYSTEM MONITORING COMPOUNDS)
Surrogate recoveries are summarized in the appendix to this report.

SAMPLE COMMENTS
Samples were analyzed as per the required protocols.

Semivolatile Analysis:
Semivolatile analysis of sample MW16 (8.5-9.5) was analyzed at a 1:2 dilution.

All samples were analyzed undiluted for VOCs, Pesticides, PCBs and Metals.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his designee, as verified by the following signature." This statement shall be directly followed by signature of the Laboratory Manager or his designee with a typed line below it containing the signer's name and title, and the date of the signature.

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET
FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFERS

For reporting results, the following "Results Qualifers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		*VOA GC/MS METHOD #	*BNA GC/MS METHOD #	*VOA GC METHOD #	*PEST PCBs METHOD #	*METALS	*OTHER
MW16(0.5-2')	0306118-01	8260	8270	NA	8081/8082	6010/7470	NA
MW16(8.5-9.5)	0306118-02	↓	↓	↓	↓	↓	↓
Trip Blank #1	0306118-03	↓	—	—	—	—	↓
Field Blank #1	0306118-04	↓	8270	NA	8081/8082	6010/7470	↓
Field Blank #2	0306118-05	↓	↓	↓	↓	↓	↓
Field Blank #3	0306118-06	↓	↓	↓	↓	↓	↓
Trip Blank #2	0306118-07	↓	—	—	—	—	↓
Trip Blank #3	0306118-08	↓	—	—	—	—	↓

NA = not applicable

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306118-01	SOIL	06/26/03	06/27/03	6/30/03	7/9/03
0306118-02	SOIL	↓	↓	↓	↓
0306118-03	AQUEOUS	↓	↓	↓	—
0306118-04	↓	↓	↓	↓	6/30/03
0306118-05	↓	↓	↓	↓	6/30/03
0306118-06	↓	↓	↓	↓	6/30/03
0306118-07	↓	↓	↓	↓	—
0306118-08	↓	↓	↓	↓	—

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306118-01	SOIL	06/26/03	06/27/03	NA	07/02/03
0306118-02	↓	↓	↓	↓	↓
0306118-03	AQUEOUS	↓	↓	↓	↓
0306118-04	↓	↓	↓	↓	↓
0306118-05	↓	↓	↓	↓	↓
0306118-06	↓	↓	↓	↓	↓
0306118-07	↓	↓	↓	↓	↓
0306118-08	↓	↓	↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE / PCB
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0306118-01	SOIL	6/26/03	6/27/03	6/30/03	7/10/03
0306118-02	↓	↓	↓	↓	↓
0306118-03	AQUEOUS	↓	↓	↓	7/1/03
0306118-04	↓	↓	↓	↓	↓
0306118-05	↓	↓	↓	↓	↓
0306118-06	↓	↓	↓	↓	↓
0306118-07	↓	↓	↓	↓	↓
0306118-08	↓	↓	↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILLARY CLEAN UP	DIL / CONC. FACTOR
0306118-01	SOIL	SW846 8270	SONC (3550)	NA	1
0306118-02	↓	↓	↓	↓	2
0306118-03	AQUEOUS	—	—	—	—
0306118-04	↓	SW846 8270	SEPF (3510)	NA	1
0306118-05	↓	↓	↓	↓	1
0306118-06	↓	↓	↓	↓	1
0306118-07	↓	—	—	—	1
0306118-08	↓	—	—	—	—

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE ANALYZED
0306118-01	SOIL	TAL (23)	6/27/03	07/07/03
0306118-02	↓	↓	↓	
0306118-03	AQUEOUS			
0306118-04	↓	↓	↓	
0306118-05				
0306118-06				
0306118-07				
0306118-08	↓	↓	↓	

CHAIN OF CUSTODY FORMS

Sheet 5 of 5

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: lbeyer@american-analytical.com

SDC	ELA
CTDOH	PH-0205
NJDEP	NY050
PADEP	68-573

1

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ARRF, Inc. (917)612-7877

CONTACT: Mimi Sotiriou (646)459-3528

SAMPLER (SIGNATURE): MMSotiriou DATE: 6/26/03 TIME: 1600

SAMPLER NAME (PRINT): Mimi Sotiriou

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION: Greenpoint Lumber Yard, Brooklyn. 30260-0006

FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	VOC 8260	SVOC 8270	PCB 8081	Pest 8082	TAL Metals
0306118-01AB	S			MW16 (0.5'-2')	X	X	X	X	X
0306118-02A,B	S			MW16 (8.5-9.5)	X	X	X	X	X
0306118-03A	L			Trip Blank #1	X				
0306118-04A,B	L			Field Blank #1	X	X	X	X	X
0306118-05A,B	L			Field Blank #2	X	X	X	X	X
0306118-06AB	L			Field Blank #3	X	X	X	X	X
0306118-07A	L			Trip Blank #2	X				
0306118-08A	L			Trip Blank #3	X				

COOLER TEMPERATURE:

COMMENTS / INSTRUCTIONS

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL

TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
MMSotiriou	6/27/03 12:00	M. Sotiriou	Chris Dann	6-27-03 2:Pm	Christopher Dann
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

GC/MS VOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Acetone	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 4:25:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 4:25:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 4:25:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 4:25:00 AM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1,1-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1,2,2-Tetrachloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1,2-Trichloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,1-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,3-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,3-Trichloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,4,5-Tetramethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,4-Trichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2,4-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dibromo-3-chloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dibromoethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dichloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,3,5-Trimethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,3-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,3-dichloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
1,4-Dichlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2,2-Dichloropropane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2-Butanone	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2-Chloroethyl vinyl ether	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
2-Hexanone	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
4-Chlorotoluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
4-Isopropyltoluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
4-Methyl-2-pentanone	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Acetone	55	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Acrolein	U	25		µg/Kg	1	7/2/2003 8:52:00 AM
Acrylonitrile	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Benzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromochloromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromodichloromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromoform	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Bromomethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Carbon disulfide	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chlorobenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chloroethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chloroform	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Chloromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
cis-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
cis-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Dibromochloromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Dibromomethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Dichlorodifluoromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Diisopropyl ether	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Ethanol	U	25		µg/Kg	1	7/2/2003 8:52:00 AM
Ethyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Ethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Freon-114	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Hexachlorobutadiene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Isopropyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Isopropylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
m,p-Xylene	U	10		µg/Kg	1	7/2/2003 8:52:00 AM
Methyl tert-butyl ether	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Methylene chloride	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Naphthalene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
n-Butyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
n-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
n-Propyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
n-Propylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
o-Xylene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
p-Diethylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
p-Ethyltoluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
sec-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Styrene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
t-Butyl alcohol	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
tert-Butylbenzene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Tetrachloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Toluene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
trans-1,2-Dichloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
trans-1,3-Dichloropropene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Trichloroethene	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Trichlorofluoromethane	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM
Vinyl chloride	U	5.0		µg/Kg	1	7/2/2003 8:52:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2-Butanone	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Acetone	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Acrolein	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Benzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromoform	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Bromomethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 11:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chloroethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chloroform	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Chloromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Ethanol	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Freon-114	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 11:25:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Naphthalene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
o-Xylene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Styrene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Toluene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 11:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 11:25:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 11:25:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 12:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 12:03:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 12:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 12:03:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 12:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 12:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 12:41:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 12:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 12:41:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 12:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 1:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 1:20:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 1:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 1:20:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 1:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 1:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 1:58:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 1:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 1:58:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 1:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2-Butanone	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
2-Hexanone	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Acetone	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Acrolein	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Benzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromoform	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Bromomethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/2/2003 2:37:00 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chloroethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chloroform	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Chloromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Dibromomethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Ethanol	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Freon-114	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/2/2003 2:37:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Methylene chloride	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Naphthalene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
o-Xylene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Styrene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Toluene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Trichloroethene	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/2/2003 2:37:00 PM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Trip Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/2/2003 2:37:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/2/2003 2:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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GC/MS SEMIVOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
1,2-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
1,3-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
1,4-Dichlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4,5-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4,6-Trichlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4-Dichlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4-Dimethylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4-Dinitrophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,4-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2,6-Dinitrotoluene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Chloronaphthalene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Chlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Methylnaphthalene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Methylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Nitroaniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
2-Nitrophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
3,3'-Dichlorobenzidine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
3+4-Methylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
3-Nitroaniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4,6-Dinitro-2-methylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Bromophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Chloro-3-methylphenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Chloroaniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Chlorophenyl phenyl ether	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Nitroaniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
4-Nitrophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Acenaphthene	93	40		µg/Kg	1	7/9/2003 12:24:00 PM
Acenaphthylene	55	40		µg/Kg	1	7/9/2003 12:24:00 PM
Aniline	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Anthracene	260	40		µg/Kg	1	7/9/2003 12:24:00 PM
Azobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzidine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(a)anthracene	1300	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(a)pyrene	1600	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(b)fluoranthene	2200	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(g,h,i)perylene	1400	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzo(k)fluoranthene	640	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzoic acid	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Benzyl alcohol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Bis(2-chloroethyl)ether	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Bis(2-chloroisopropyl)ether	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Bis(2-ethylhexyl)phthalate	110	40		µg/Kg	1	7/9/2003 12:24:00 PM
Butyl benzyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Carbazole	91	40		µg/Kg	1	7/9/2003 12:24:00 PM
Chrysene	1500	40		µg/Kg	1	7/9/2003 12:24:00 PM
Dibenzo(a,h)anthracene	330	40		µg/Kg	1	7/9/2003 12:24:00 PM
Dibenzofuran	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Diethyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Dimethyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Di-n-butyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Di-n-octyl phthalate	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Fluoranthene	2000	40		µg/Kg	1	7/9/2003 12:24:00 PM
Fluorene	70	40		µg/Kg	1	7/9/2003 12:24:00 PM
Hexachlorobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Hexachlorobutadiene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Hexachlorocyclopentadiene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Hexachloroethane	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Indeno(1,2,3-c,d)pyrene	1300	40		µg/Kg	1	7/9/2003 12:24:00 PM
Isophorone	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Naphthalene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Nitrobenzene	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
N-Nitrosodimethylamine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
N-Nitrosodi-n-propylamine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
N-Nitrosodiphenylamine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Pentachlorophenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Phenanthrene	1200	40		µg/Kg	1	7/9/2003 12:24:00 PM
Phenol	U	40		µg/Kg	1	7/9/2003 12:24:00 PM
Pyrene	2100	40		µg/Kg	1	7/9/2003 12:24:00 PM
Pyridine	U	40		µg/Kg	1	7/9/2003 12:24:00 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
1,2-Dichlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
1,3-Dichlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
1,4-Dichlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4,5-Trichlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4,6-Trichlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4-Dichlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4-Dimethylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4-Dinitrophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,4-Dinitrotoluene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2,6-Dinitrotoluene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Chloronaphthalene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Chlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Methylnaphthalene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Methylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Nitroaniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
2-Nitrophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
3,3'-Dichlorobenzidine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
3+4-Methylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
3-Nitroaniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4,6-Dinitro-2-methylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Bromophenyl phenyl ether	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Chloro-3-methylphenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Chloroaniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Chlorophenyl phenyl ether	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Nitroaniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
4-Nitrophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Acenaphthene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Acenaphthylene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Aniline	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Anthracene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Azobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzidine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(a)anthracene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(a)pyrene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(b)fluoranthene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(g,h,i)perylene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzo(k)fluoranthene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzoic acid	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Benzyl alcohol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Bis(2-chloroethyl)ether	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Bis(2-chloroisopropyl)ether	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Bis(2-ethylhexyl)phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Butyl benzyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Carbazole	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Chrysene	82	80		µg/Kg	2	7/9/2003 11:45:00 AM
Dibenzo(a,h)anthracene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Dibenzofuran	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Diethyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Dimethyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Di-n-butyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Di-n-octyl phthalate	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Fluoranthene	200	80		µg/Kg	2	7/9/2003 11:45:00 AM
Fluorene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Hexachlorobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Hexachlorobutadiene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Hexachlorocyclopentadiene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Hexachloroethane	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Indeno(1,2,3-c,d)pyrene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Isophorone	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Naphthalene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Nitrobenzene	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
N-Nitrosodimethylamine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
N-Nitrosodi-n-propylamine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
N-Nitrosodiphenylamine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Pentachlorophenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Phenanthrene	170	80		µg/Kg	2	7/9/2003 11:45:00 AM
Phenol	U	80		µg/Kg	2	7/9/2003 11:45:00 AM
Pyrene	200	80		µg/Kg	2	7/9/2003 11:45:00 AM
Pyridine	U	80		µg/Kg	2	7/9/2003 11:45:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Chlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Methylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
2-Nitrophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
3,3′-Dichlorobenzidine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
3-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Chloroaniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
4-Nitrophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Acenaphthene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Acenaphthylene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Aniline	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Anthracene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Azobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzidine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzoic acid	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Benzyl alcohol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Carbazole	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Chrysene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Dibenzofuran	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Diethyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Fluoranthene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Fluorene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Hexachloroethane	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Isophorone	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Naphthalene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Nitrobenzene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Pentachlorophenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Phenanthrene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Phenol	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Pyrene	U	5.0		µg/L	1	6/30/2003 8:07:00 PM
Pyridine	U	5.0		µg/L	1	6/30/2003 8:07:00 PM

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ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Chlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Methylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
2-Nitrophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
3-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Chloroaniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Nitroaniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
4-Nitrophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Acenaphthene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Acenaphthylene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Aniline	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Anthracene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Azobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzidine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzoic acid	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Benzyl alcohol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Carbazole	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Chrysene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Dibenzofuran	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Diethyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Fluoranthene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Fluorene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Hexachloroethane	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Isophorone	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Naphthalene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Nitrobenzene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Pentachlorophenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Phenanthrene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Phenol	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Pyrene	U	5.0		µg/L	1	6/30/2003 8:56:00 PM
Pyridine	U	5.0		µg/L	1	6/30/2003 8:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Chlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Methylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Nitroaniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
2-Nitrophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
3-Nitroaniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Chloroaniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Nitroaniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
4-Nitrophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Acenaphthene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Acenaphthylene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Aniline	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Anthracene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Azobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzidine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzoic acid	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Benzyl alcohol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Carbazole	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Chrysene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Dibenzofuran	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Diethyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Fluoranthene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Fluorene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Hexachloroethane	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Isophorone	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Naphthalene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Nitrobenzene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Pentachlorophenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Phenanthrene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Phenol	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Pyrene	U	5.0		µg/L	1	6/30/2003 9:44:00 PM
Pyridine	U	5.0		µg/L	1	6/30/2003 9:44:00 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

GC PESTICIDE/PCB DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4´-DDD	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
4,4´-DDE	14	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
4,4´-DDT	6.4	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Chlordane	7.9	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
DBCP	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endrin	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 9:45:00 PM
Toxaphene	U	300		µg/Kg	1	7/10/2003 9:45:00 PM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3550)**		Analyst: **KB**
4,4'-DDD	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
4,4'-DDE	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
4,4'-DDT	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Aldrin	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
alpha-BHC	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
beta-BHC	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Chlordane	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Chlorobenzilate	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
DBCP	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
delta-BHC	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Dieldrin	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endosulfan I	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endosulfan II	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endosulfan sulfate	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endrin	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endrin aldehyde	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Endrin ketone	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
gamma-BHC	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Heptachlor	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Heptachlor epoxide	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Hexachlorobenzene	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Isodrin	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Methoxychlor	U	5.0		µg/Kg	1	7/10/2003 10:28:00 PM
Toxaphene	U	300		µg/Kg	1	7/10/2003 10:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Aldrin	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
alpha-BHC	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
beta-BHC	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Chlordane	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
DBCP	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
delta-BHC	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Dieldrin	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endosulfan I	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endosulfan II	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endrin	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Endrin ketone	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
gamma-BHC	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Heptachlor	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Isodrin	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Methoxychlor	U	0.10		µg/L	1	7/1/2003 4:59:00 PM
Toxaphene	U	1.0		µg/L	1	7/1/2003 4:59:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Aldrin	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
alpha-BHC	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
beta-BHC	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Chlordane	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
DBCP	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
delta-BHC	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Dieldrin	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endosulfan I	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endosulfan II	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endrin	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Endrin ketone	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
gamma-BHC	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Heptachlor	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Isodrin	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Methoxychlor	U	0.10		µg/L	1	7/1/2003 5:42:00 PM
Toxaphene	U	1.0		µg/L	1	7/1/2003 5:42:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Aldrin	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
alpha-BHC	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
beta-BHC	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Chlordane	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
DBCP	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
delta-BHC	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Dieldrin	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endosulfan I	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endosulfan II	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endrin	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Endrin ketone	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
gamma-BHC	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Heptachlor	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Isodrin	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Methoxychlor	U	0.10		µg/L	1	7/1/2003 6:25:00 PM
Toxaphene	U	1.0		µg/L	1	7/1/2003 6:25:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/12/2003 4:52:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/12/2003 4:52:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **KB**
Aroclor 1016	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1221	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1232	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1242	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1248	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1254	U	80		µg/Kg	1	7/12/2003 5:35:00 AM
Aroclor 1260	U	80		µg/Kg	1	7/12/2003 5:35:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/1/2003 4:13:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/1/2003 4:13:00 PM

Qualifiers:

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/1/2003 5:00:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/1/2003 5:00:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/1/2003 5:47:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/1/2003 5:47:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

INORGANIC DATA

RESULTS - INORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (0.5-2')
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-01B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	0.131	0.0500		mg/Kg	1	7/7/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	5390	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Antimony	U	0.477		mg/Kg	1	7/7/2003 3:33:24 PM
Arsenic	6.60	0.477		mg/Kg	1	7/7/2003 3:33:24 PM
Barium	136	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Beryllium	1.84	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Cadmium	0.13	0.191	J	mg/Kg	1	7/7/2003 3:33:24 PM
Calcium	6850	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Chromium	49.3	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Cobalt	34.2	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Copper	351	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Iron	7660	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Lead	255	0.286		mg/Kg	1	7/7/2003 3:33:24 PM
Magnesium	381	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Manganese	176	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Nickel	45.6	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Potassium	903	1.34		mg/Kg	1	7/7/2003 3:33:24 PM
Selenium	U	0.477		mg/Kg	1	7/7/2003 3:33:24 PM
Silver	U	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Sodium	498	0.573		mg/Kg	1	7/7/2003 3:33:24 PM
Thallium	0.750	0.286		mg/Kg	1	7/7/2003 3:33:24 PM
Vanadium	18.6	0.382		mg/Kg	1	7/7/2003 3:33:24 PM
Zinc	1100	0.382		mg/Kg	1	7/7/2003 3:33:24 PM

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16 (8.5-9.5)
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-02B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7471		**SW7471B**				Analyst: **JP**
Mercury	U	0.0500		mg/Kg	1	7/7/2003
TARGET ANALYTE LIST		**SW6010B**		**(SW3050A)**		Analyst: **JP**
Aluminum	1450	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Antimony	U	0.463		mg/Kg	1	7/7/2003 3:35:35 PM
Arsenic	2.08	0.463		mg/Kg	1	7/7/2003 3:35:35 PM
Barium	18.7	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Beryllium	U	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Cadmium	U	0.185		mg/Kg	1	7/7/2003 3:35:35 PM
Calcium	2020	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Chromium	2.36	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Cobalt	13.0	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Copper	87.1	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Iron	6660	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Lead	25.4	0.278		mg/Kg	1	7/7/2003 3:35:35 PM
Magnesium	221	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Manganese	310	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Nickel	7.59	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Potassium	166	1.30		mg/Kg	1	7/7/2003 3:35:35 PM
Selenium	U	0.463		mg/Kg	1	7/7/2003 3:35:35 PM
Silver	U	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Sodium	179	0.556		mg/Kg	1	7/7/2003 3:35:35 PM
Thallium	U	0.278		mg/Kg	1	7/7/2003 3:35:35 PM
Vanadium	6.74	0.370		mg/Kg	1	7/7/2003 3:35:35 PM
Zinc	29.2	0.370		mg/Kg	1	7/7/2003 3:35:35 PM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #1
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/7/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Antimony	U	0.0250		mg/L	1	7/7/2003 2:29:21 PM
Arsenic	U	0.0250		mg/L	1	7/7/2003 2:29:21 PM
Barium	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Beryllium	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Cadmium	U	0.0100		mg/L	1	7/7/2003 2:29:21 PM
Calcium	0.158	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Chromium	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Cobalt	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Copper	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Iron	0.0069	0.0200	J	mg/L	1	7/7/2003 2:29:21 PM
Lead	U	0.0150		mg/L	1	7/7/2003 2:29:21 PM
Magnesium	0.0246	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Manganese	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Nickel	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Potassium	U	0.0700		mg/L	1	7/7/2003 2:29:21 PM
Selenium	U	0.0250		mg/L	1	7/7/2003 2:29:21 PM
Silver	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Sodium	0.022	0.0300	J	mg/L	1	7/7/2003 2:29:21 PM
Thallium	U	0.0150		mg/L	1	7/7/2003 2:29:21 PM
Vanadium	U	0.0200		mg/L	1	7/7/2003 2:29:21 PM
Zinc	0.0200	0.0200		mg/L	1	7/7/2003 2:29:21 PM

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #2
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/7/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Antimony	U	0.0250		mg/L	1	7/7/2003 2:37:13 PM
Arsenic	U	0.0250		mg/L	1	7/7/2003 2:37:13 PM
Barium	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Beryllium	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Cadmium	U	0.0100		mg/L	1	7/7/2003 2:37:13 PM
Calcium	0.145	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Chromium	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Cobalt	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Copper	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Iron	0.0065	0.0200	J	mg/L	1	7/7/2003 2:37:13 PM
Lead	U	0.0150		mg/L	1	7/7/2003 2:37:13 PM
Magnesium	0.0280	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Manganese	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Nickel	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Potassium	U	0.0700		mg/L	1	7/7/2003 2:37:13 PM
Selenium	U	0.0250		mg/L	1	7/7/2003 2:37:13 PM
Silver	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Sodium	0.011	0.0300	J	mg/L	1	7/7/2003 2:37:13 PM
Thallium	U	0.0150		mg/L	1	7/7/2003 2:37:13 PM
Vanadium	U	0.0200		mg/L	1	7/7/2003 2:37:13 PM
Zinc	0.0221	0.0200		mg/L	1	7/7/2003 2:37:13 PM

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	Field Blank #3
Lab Order:	0306118	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	6/26/2003
Lab ID:	0306118-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/7/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Antimony	U	0.0250		mg/L	1	7/7/2003 2:39:35 PM
Arsenic	U	0.0250		mg/L	1	7/7/2003 2:39:35 PM
Barium	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Beryllium	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Cadmium	U	0.0100		mg/L	1	7/7/2003 2:39:35 PM
Calcium	0.0942	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Chromium	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Cobalt	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Copper	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Iron	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Lead	U	0.0150		mg/L	1	7/7/2003 2:39:35 PM
Magnesium	0.0088	0.0200	J	mg/L	1	7/7/2003 2:39:35 PM
Manganese	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Nickel	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Potassium	U	0.0700		mg/L	1	7/7/2003 2:39:35 PM
Selenium	U	0.0250		mg/L	1	7/7/2003 2:39:35 PM
Silver	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Sodium	0.011	0.0300	J	mg/L	1	7/7/2003 2:39:35 PM
Thallium	U	0.0150		mg/L	1	7/7/2003 2:39:35 PM
Vanadium	U	0.0200		mg/L	1	7/7/2003 2:39:35 PM
Zinc	0.0223	0.0200		mg/L	1	7/7/2003 2:39:35 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

Appendix

American Analytical Laboratories, Inc.

Date: *30-Jul-03*

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709E**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25527**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/9/2003** SeqNo: **25660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	5.0									
4,4´-DDE	U	5.0									
4,4´-DDT	U	5.0									
Aldrin	U	5.0									
alpha-BHC	U	5.0									
beta-BHC	U	5.0									
Chlordane	U	5.0									
Chlorobenzilate	U	5.0									
DBCP	U	5.0									
delta-BHC	U	5.0									
Dieldrin	U	5.0									
Endosulfan I	U	5.0									
Endosulfan II	U	5.0									
Endosulfan sulfate	U	5.0									
Endrin	U	5.0									
Endrin aldehyde	U	5.0									
Endrin ketone	U	5.0									
gamma-BHC	U	5.0									
Heptachlor	U	5.0									
Heptachlor epoxide	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Isodrin	U	5.0									
Methoxychlor	U	5.0									
Toxaphene	U	300									

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/10/2003** SeqNo: **25671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	21.42	5.0	16.65	0	129	69	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_Soil

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/10/2003** SeqNo: **25671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	6.377	5.0	6.66	0	95.8	66	128	0	0		
Dieldrin	21.88	5.0	16.65	0	131	67	126	0	0		S
Endrin	26.44	5.0	16.65	0	159	72	124	0	0		S
gamma-BHC	6.707	5.0	6.66	0	101	68	122	0	0		
Heptachlor	6.757	5.0	6.66	0	101	64	130	0	0		

Sample ID: **0306117-16BMS** SampType: **MS** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	14.93	5.0	16.65	0	89.7	69	130	0	0		
Aldrin	5.565	5.0	6.66	0	83.6	66	128	0	0		
Dieldrin	14.93	5.0	16.65	0	89.7	67	126	0	0		
Endrin	17.82	5.0	16.65	0	107	72	124	0	0		
gamma-BHC	5.166	5.0	6.66	0	77.6	68	122	0	0		
Heptachlor	6.34	5.0	6.66	0	95.2	64	130	0	0		

Sample ID: **0306117-16BMSD** SampType: **MSD** TestCode: **8081_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030703B**
Client ID: **ZZZZZ** Batch ID: **1446** TestNo: **SW8081B** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	19.66	5.0	16.65	0	118	69	130	14.93	27.3	20	R
Aldrin	6.82	5.0	6.66	0	102	66	128	5.565	20.3	20	R
Dieldrin	19.76	5.0	16.65	0	119	67	126	14.93	27.9	20	R
Endrin	23.73	5.0	16.65	0	143	72	124	17.82	28.4	20	SR
gamma-BHC	6.284	5.0	6.66	0	94.4	68	122	5.166	19.5	20	
Heptachlor	7.451	5.0	6.66	0	112	64	130	6.34	16.1	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030630A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **24725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.10									
4,4´-DDE	U	0.10									
4,4´-DDT	U	0.10									
Aldrin	U	0.10									
alpha-BHC	U	0.10									
beta-BHC	U	0.10									
Chlordane	U	0.10									
Chlorobenzilate	U	0.10									
DBCP	U	0.10									
delta-BHC	U	0.10									
Dieldrin	U	0.10									
Endosulfan I	U	0.10									
Endosulfan II	U	0.10									
Endosulfan sulfate	U	0.10									
Endrin	U	0.10									
Endrin aldehyde	U	0.10									
Endrin ketone	U	0.10									
gamma-BHC	U	0.10									
Heptachlor	U	0.10									
Heptachlor epoxide	U	0.10									
Hexachlorobenzene	U	0.10									
Hexachlorocyclopentadiene	U	0.10									
Isodrin	U	0.10									
Methoxychlor	U	0.10									
Toxaphene	U	1.0									

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.10									

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDE	U	0.10									
4,4´-DDT	U	0.10									
Aldrin	U	0.10									
alpha-BHC	U	0.10									
beta-BHC	U	0.10									
Chlordane	U	0.10									
Chlorobenzilate	U	0.10									
DBCP	U	0.10									
delta-BHC	U	0.10									
Dieldrin	U	0.10									
Endosulfan I	U	0.10									
Endosulfan II	U	0.10									
Endosulfan sulfate	U	0.10									
Endrin	U	0.10									
Endrin aldehyde	U	0.10									
Endrin ketone	U	0.10									
gamma-BHC	U	0.10									
Heptachlor	U	0.10									
Heptachlor epoxide	U	0.10									
Hexachlorobenzene	U	0.10									
Hexachlorocyclopentadiene	U	0.10									
Isodrin	U	0.10									
Methoxychlor	U	0.10									
Toxaphene	U	1.0									

Sample ID: **MSB063003** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.574	0.10	0.5	0	115	69	130	0	0		
Aldrin	0.144	0.10	0.2	0	72	66	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MSB063003** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.542	0.10	0.5	0	108	67	126	0	0		
Endrin	0.595	0.10	0.5	0	119	72	124	0	0		
gamma-BHC	0.247	0.10	0.2	0	124	68	122	0	0		S
Heptachlor	0.247	0.10	0.2	0	124	64	130	0	0		

Sample ID: **MSBDUP063003** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM QU_030701A**
Client ID: **ZZZZZ** Batch ID: **1423** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.591	0.10	0.5	0	118	69	130	0	0		
Aldrin	0.158	0.10	0.2	0	79	66	128	0	0		
Dieldrin	0.542	0.10	0.5	0	108	67	126	0	0		
Endrin	0.6	0.10	0.5	0	120	72	124	0	0		
gamma-BHC	0.242	0.10	0.2	0	121	68	122	0	0		
Heptachlor	0.247	0.10	0.2	0	124	64	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707A**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/8/2003** SeqNo: **25043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030709F**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Sample ID: **PSB070303** SampType: **MBLK** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/11/2003** SeqNo: **25746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	80									
Aroclor 1221	U	80									
Aroclor 1232	U	80									
Aroclor 1242	U	80									
Aroclor 1248	U	80									
Aroclor 1254	U	80									
Aroclor 1260	U	80									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_Soil

Sample ID: **MSB070303** SampType: **LCS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	131.4	80	166.5	0	78.9	59	122	0	0		
Aroclor 1260	141.4	80	166.5	0	84.9	57	121	0	0		

Sample ID: **0306117-17BMS** SampType: **MS** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	228.2	80	166.5	0	137	59	122	0	0		S
Aroclor 1260	254.3	80	166.5	0	153	57	121	0	0		S

Sample ID: **0306117-17BMSD** SampType: **MSD** TestCode: **8082_Soil** Units: **µg/Kg** Prep Date: **7/3/2003** Run ID: **SYSTEM QU_030707C**
Client ID: **ZZZZZ** Batch ID: **1445** TestNo: **SW8082A** **(SW3550)** Analysis Date: **7/12/2003** SeqNo: **25757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	367.2	80	166.5	0	221	59	122	228.2	46.7	20	SR
Aroclor 1260	401.1	80	166.5	0	241	57	121	254.3	44.8	20	SR

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM XY_030630A**
Client ID: **ZZZZZ** Batch ID: **1422** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **24645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	1.0									
Aroclor 1221	U	1.0									
Aroclor 1232	U	1.0									
Aroclor 1242	U	1.0									
Aroclor 1248	U	1.0									
Aroclor 1254	U	1.0									
Aroclor 1260	U	1.0									

Sample ID: **PWB063003** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM XY_030701A**
Client ID: **ZZZZZ** Batch ID: **1422** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/1/2003** SeqNo: **25092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	1.0									
Aroclor 1221	U	1.0									
Aroclor 1232	U	1.0									
Aroclor 1242	U	1.0									
Aroclor 1248	U	1.0									
Aroclor 1254	U	1.0									
Aroclor 1260	U	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: SSB070803 A	SampType: MBLK	TestCode: 8270_Soil	Units: µg/Kg	Prep Date: 7/8/2003	Run ID: SYSTEM T_030630C
Client ID: ZZZZZ	Batch ID: 1447	TestNo: SW8270D	(SW3550A)	Analysis Date: 7/8/2003	SeqNo: 25397

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D (SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803 A** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/8/2003** SeqNo: **25397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	40	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	40	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	40	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	40	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	40	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	40	0	0	0	0	0	0	0		
2-Chlorophenol	U	40	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	40	0	0	0	0	0	0	0		
2-Methylphenol	U	40	0	0	0	0	0	0	0		
2-Nitroaniline	U	40	0	0	0	0	0	0	0		
2-Nitrophenol	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	40	0	0	0	0	0	0	0		
3+4-Methylphenol	U	40	0	0	0	0	0	0	0		
3-Nitroaniline	U	40	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	40	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	40	0	0	0	0	0	0	0		
4-Chloroaniline	U	40	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	40	0	0	0	0	0	0	0		
4-Nitroaniline	U	40	0	0	0	0	0	0	0		
4-Nitrophenol	U	40	0	0	0	0	0	0	0		
Acenaphthene	U	40	0	0	0	0	0	0	0		
Acenaphthylene	U	40	0	0	0	0	0	0	0		
Aniline	U	40	0	0	0	0	0	0	0		
Anthracene	U	40	0	0	0	0	0	0	0		
Azobenzene	U	40	0	0	0	0	0	0	0		
Benzidine	U	40	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	40	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	40	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	40	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	40	0	0	0	0	0	0	0		
Benzoic acid	U	40	0	0	0	0	0	0	0		
Benzyl alcohol	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	40	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	40	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	40	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	40	0	0	0	0	0	0	0		
Carbazole	U	40	0	0	0	0	0	0	0		
Chrysene	U	40	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	40	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **SSB070803B** SampType: **MBLK** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/9/2003** SeqNo: **25556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	40	0	0	0	0	0	0	0		
Diethyl phthalate	U	40	0	0	0	0	0	0	0		
Dimethyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	40	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	40	0	0	0	0	0	0	0		
Fluoranthene	U	40	0	0	0	0	0	0	0		
Fluorene	U	40	0	0	0	0	0	0	0		
Hexachlorobenzene	U	40	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	40	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	40	0	0	0	0	0	0	0		
Hexachloroethane	U	40	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	40	0	0	0	0	0	0	0		
Isophorone	U	40	0	0	0	0	0	0	0		
Naphthalene	U	40	0	0	0	0	0	0	0		
Nitrobenzene	U	40	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	40	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	40	0	0	0	0	0	0	0		
Pentachlorophenol	U	40	0	0	0	0	0	0	0		
Phenanthrene	U	40	0	0	0	0	0	0	0		
Phenol	U	40	0	0	0	0	0	0	0		
Pyrene	U	40	0	0	0	0	0	0	0		
Pyridine	U	40	0	0	0	0	0	0	0		

Sample ID: **LCS070803** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	452.7	40	666	0	68	53	123	0	0		
1,4-Dichlorobenzene	445.3	40	666	0	66.9	41.5	114	0	0		
2,4-Dinitrotoluene	328.4	40	666	0	49.3	48	85.2	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **LCS070803** SampType: **LCS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	449.8	40	666	0	67.5	52	113	0	0		
4-Chloro-3-methylphenol	440.4	40	666	0	66.1	50.3	111	0	0		
4-Nitrophenol	379.2	40	666	0	56.9	41.6	108	0	0		
Acenaphthene	455.6	40	666	0	68.4	43.6	113	0	0		
N-Nitrosodi-n-propylamine	443.4	40	666	0	66.6	42	120	0	0		
Pentachlorophenol	404.1	40	666	0	60.7	38.6	109	0	0		
Phenol	462.4	40	666	0	69.4	44.8	113	0	0		
Pyrene	510.9	40	666	0	76.7	46.2	104	0	0		

Sample ID: **0306117-17B MS** SampType: **MS** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25558**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	473.8	40	666	0	71.1	53	123	0	0		
1,4-Dichlorobenzene	414.4	40	666	0	62.2	41.5	114	0	0		
2,4-Dinitrotoluene	387.7	40	666	0	58.2	48	85.2	0	0		
2-Chlorophenol	423.4	40	666	0	63.6	52	113	0	0		
4-Chloro-3-methylphenol	478.8	40	666	0	71.9	50.3	111	0	0		
4-Nitrophenol	411.7	40	666	0	61.8	41.6	108	0	0		
Acenaphthene	441.2	40	666	0	66.2	43.6	113	0	0		
N-Nitrosodi-n-propylamine	421.5	40	666	0	63.3	42	120	0	0		
Pentachlorophenol	461.6	40	666	0	69.3	38.6	109	0	0		
Phenol	454.2	40	666	0	68.2	44.8	113	0	0		
Pyrene	688.5	40	666	0	103	46.2	104	0	0		

Sample ID: **0306117-17B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	411.1	40	666	0	61.7	53	123	0	0		
1,4-Dichlorobenzene	409.2	40	666	0	61.4	41.5	114	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_Soil

Sample ID: **0306117-17B MSD** SampType: **MSD** TestCode: **8270_Soil** Units: **µg/Kg** Prep Date: **7/8/2003** Run ID: **SYSTEM T_030702A**
Client ID: **ZZZZZ** Batch ID: **1447** TestNo: **SW8270D** **(SW3550A)** Analysis Date: **7/10/2003** SeqNo: **25559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	406.4	40	666	0	61	48	85.2	0	0		
2-Chlorophenol	493.4	40	666	0	74.1	52	113	0	0		
4-Chloro-3-methylphenol	499.3	40	666	0	75	50.3	111	0	0		
4-Nitrophenol	417	40	666	0	62.6	41.6	108	0	0		
Acenaphthene	461.5	40	666	0	69.3	43.6	113	0	0		
N-Nitrosodi-n-propylamine	485.3	40	666	0	72.9	42	120	0	0		
Pentachlorophenol	458.7	40	666	0	68.9	38.6	109	0	0		
Phenol	443.8	40	666	0	66.6	44.8	113	0	0		
Pyrene	698.9	40	666	0	105	46.2	104	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630A**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **24728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Chlorophenol	U	5.0	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Methylphenol	U	5.0	0	0	0	0	0	0	0		
2-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
2-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	5.0	0	0	0	0	0	0	0		
3+4-Methylphenol	U	5.0	0	0	0	0	0	0	0		
3-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Chloroaniline	U	5.0	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
Acenaphthene	U	5.0	0	0	0	0	0	0	0		
Acenaphthylene	U	5.0	0	0	0	0	0	0	0		
Aniline	U	5.0	0	0	0	0	0	0	0		
Anthracene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630A**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **24728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	5.0	0	0	0	0	0	0	0		
Benzidine	U	5.0	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	5.0	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	5.0	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	5.0	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzoic acid	U	5.0	0	0	0	0	0	0	0		
Benzyl alcohol	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	5.0	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	5.0	0	0	0	0	0	0	0		
Carbazole	U	5.0	0	0	0	0	0	0	0		
Chrysene	U	5.0	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	5.0	0	0	0	0	0	0	0		
Dibenzofuran	U	5.0	0	0	0	0	0	0	0		
Diethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Dimethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	5.0	0	0	0	0	0	0	0		
Fluoranthene	U	5.0	0	0	0	0	0	0	0		
Fluorene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobenzene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	5.0	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	5.0	0	0	0	0	0	0	0		
Hexachloroethane	U	5.0	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	5.0	0	0	0	0	0	0	0		
Isophorone	U	5.0	0	0	0	0	0	0	0		
Naphthalene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630A**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D (SW3510)** Analysis Date: **6/30/2003** SeqNo: **24728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	5.0	0	0	0	0	0	0	0		
Pentachlorophenol	U	5.0	0	0	0	0	0	0	0		
Phenanthrene	U	5.0	0	0	0	0	0	0	0		
Phenol	U	5.0	0	0	0	0	0	0	0		
Pyrene	U	5.0	0	0	0	0	0	0	0		
Pyridine	U	5.0	0	0	0	0	0	0	0		

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D (SW3510)** Analysis Date: **6/30/2003** SeqNo: **25121**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,4,5-Trichlorophenol	U	5.0									
2,4,6-Trichlorophenol	U	5.0									
2,4-Dichlorophenol	U	5.0									
2,4-Dimethylphenol	U	5.0									
2,4-Dinitrophenol	U	5.0									
2,4-Dinitrotoluene	U	5.0									
2,6-Dinitrotoluene	U	5.0									
2-Chloronaphthalene	U	5.0									
2-Chlorophenol	U	5.0									
2-Methylnaphthalene	U	5.0									
2-Methylphenol	U	5.0									
2-Nitroaniline	U	5.0									
2-Nitrophenol	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: SWB063003	SampType: MBLK	TestCode: 8270_w	Units: µg/L	Prep Date: 6/30/2003	Run ID: SYSTEM T_030630C
Client ID: ZZZZZ	Batch ID: 1419	TestNo: SW8270D	(SW3510)	Analysis Date: 6/30/2003	SeqNo: 25121

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	5.0									
3+4-Methylphenol	U	5.0									
3-Nitroaniline	U	5.0									
4,6-Dinitro-2-methylphenol	U	5.0									
4-Bromophenyl phenyl ether	U	5.0									
4-Chloro-3-methylphenol	U	5.0									
4-Chloroaniline	U	5.0									
4-Chlorophenyl phenyl ether	U	5.0									
4-Nitroaniline	U	5.0									
4-Nitrophenol	U	5.0									
Acenaphthene	U	5.0									
Acenaphthylene	U	5.0									
Aniline	U	5.0									
Anthracene	U	5.0									
Azobenzene	U	5.0									
Benzidine	U	5.0									
Benzo(a)anthracene	U	5.0									
Benzo(a)pyrene	U	5.0									
Benzo(b)fluoranthene	U	5.0									
Benzo(g,h,i)perylene	U	5.0									
Benzo(k)fluoranthene	U	5.0									
Benzoic acid	U	5.0									
Benzyl alcohol	U	5.0									
Bis(2-chloroethoxy)methane	U	5.0									
Bis(2-chloroethyl)ether	U	5.0									
Bis(2-chloroisopropyl)ether	U	5.0									
Bis(2-ethylhexyl)phthalate	U	5.0									
Butyl benzyl phthalate	U	5.0									
Carbazole	U	5.0									
Chrysene	U	5.0									
Dibenzo(a,h)anthracene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB063003** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **25121**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	5.0									
Diethyl phthalate	U	5.0									
Dimethyl phthalate	U	5.0									
Di-n-butyl phthalate	U	5.0									
Di-n-octyl phthalate	U	5.0									
Fluoranthene	U	5.0									
Fluorene	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorobutadiene	U	5.0									
Hexachlorocyclopentadiene	U	5.0									
Hexachloroethane	U	5.0									
Indeno(1,2,3-c,d)pyrene	U	5.0									
Isophorone	U	5.0									
Naphthalene	U	5.0									
Nitrobenzene	U	5.0									
N-Nitrosodimethylamine	U	5.0									
N-Nitrosodi-n-propylamine	U	5.0									
N-Nitrosodiphenylamine	U	5.0									
Pentachlorophenol	U	5.0									
Phenanthrene	U	5.0									
Phenol	U	5.0									
Pyrene	U	5.0									
Pyridine	U	5.0									

Sample ID: **LCS063003** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **25122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	14.74	5.0	20	0	73.7	53	123	0	0		
1,4-Dichlorobenzene	13.64	5.0	20	0	68.2	38	136	0	0		
2,4-Dinitrotoluene	11.29	5.0	20	0	56.4	40	119	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **LCS063003** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **25122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	14.04	5.0	20	0	70.2	46	128	0	0		
4-Chloro-3-methylphenol	15.77	5.0	20	0	78.8	30.8	107	0	0		
4-Nitrophenol	5.65	5.0	20	0	28.2	5	107	0	0		
Acenaphthene	15.11	5.0	20	0	75.6	52	125	0	0		
N-Nitrosodi-n-propylamine	14.48	5.0	20	0	72.4	35	142	0	0		
Pentachlorophenol	9.82	5.0	20	0	49.1	18	126	0	0		
Phenol	7.18	5.0	20	0	35.9	5	110	0	0		
Pyrene	16.99	5.0	20	0	85	42	134	0	0		

Sample ID: **LCSD063003** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **6/30/2003** Run ID: **SYSTEM T_030630C**
Client ID: **ZZZZZ** Batch ID: **1419** TestNo: **SW8270D** **(SW3510)** Analysis Date: **6/30/2003** SeqNo: **25123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	14.76	5.0	20	0	73.8	53	123	0	0		
1,4-Dichlorobenzene	13.33	5.0	20	0	66.7	38	136	0	0		
2,4-Dinitrotoluene	10.54	5.0	20	0	52.7	40	119	0	0		
2-Chlorophenol	14.73	5.0	20	0	73.6	46	128	0	0		
4-Chloro-3-methylphenol	14.67	5.0	20	0	73.4	30.8	107	0	0		
4-Nitrophenol	4.62	5.0	20	0	23.1	5	107	0	0		J
Acenaphthene	15.02	5.0	20	0	75.1	52	125	0	0		
N-Nitrosodi-n-propylamine	13.75	5.0	20	0	68.8	35	142	0	0		
Pentachlorophenol	8.89	5.0	20	0	44.4	18	126	0	0		
Phenol	7.03	5.0	20	0	35.2	5	110	0	0		
Pyrene	17.61	5.0	20	0	88	42	134	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **24774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **24774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070103B** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **24774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	25									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	25									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **VBLK070203** SampType: **MBLK** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									

Sample ID: **LCS070103B** SampType: **LCS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/1/2003** SeqNo: **24775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	48.58	5.0	50	0	97.2	67.3	124	0	0		
Benzene	50.21	5.0	50	0	100	65.1	126	0	0		
Chlorobenzene	56.46	5.0	50	0	113	63.7	127	0	0		
Toluene	50.99	5.0	50	0	102	68.7	124	0	0		
Trichloroethene	51.1	5.0	50	0	102	63.4	123	0	0		

Sample ID: **0306118-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **MW16 (0.5-2')** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	31.35	5.0	50	0	62.7	67.3	124	0	0		S
Benzene	27.38	5.0	50	0	54.8	65.1	126	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_Soil

Sample ID: **0306118-01AMS** SampType: **MS** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **MW16 (0.5-2')** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	13.38	5.0	50	0	26.8	63.7	127	0	0		S
Toluene	21.39	5.0	50	0	42.8	68.7	124	0	0		S
Trichloroethene	21.94	5.0	50	0	43.9	63.4	123	0	0		S

Sample ID: **0306118-01AMSD** SampType: **MSD** TestCode: **Full8260_Soil** Units: **µg/Kg** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **MW16 (0.5-2')** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24778**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	33.2	5.0	50	0	66.4	67.3	124	31.35	5.73	20	S
Benzene	29.18	5.0	50	0	58.4	65.1	126	27.38	6.36	20	S
Chlorobenzene	15.34	5.0	50	0	30.7	63.7	127	13.38	13.6	20	S
Toluene	23.91	5.0	50	0	47.8	68.7	124	21.39	11.1	20	S
Trichloroethene	26.03	5.0	50	0	52.1	63.4	123	21.94	17.1	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK070203W** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	1.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	1.0									
Acetone	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK070203W** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK070203W** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030701B**
Client ID: **ZZZZZ** Batch ID: **R3171** TestNo: **SW8260B** Analysis Date: **7/2/2003** SeqNo: **24781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	1.0									
n-Butyl acetate	U	1.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	1.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306117-16BMS	102	71.4						
0306117-16BMSD	126	85.4						
0306118-01B	121	87.5						
0306118-02B	96.2	94.2						
MSB070303	141	114						
PSB070303	121	111						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	61.4-149
XYL2456CLM	=	TCX	63.9-130

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306118-04B	78.0	55.6						
0306118-05B	96.0	81.8						
0306118-06B	105	84.2						
MSB063003	113	63.4						
MSBDUP063003	109	64.5						
PWB063003	98.8	60.8						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	53.4-139
XYL2456CLM	=	TCX	55.3-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306117-17BMS	123	109						
0306117-17BMSD	112	97.8						
0306118-01B	71.8	61.3						
0306118-02B	57.4	60.5						
MSB070303	77.7	68.6						
PSB070303	65.5	55.2						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	34.2-138
XYL2456CLM	=	TCX	31.2-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** W

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0306118-04B	65.6	52.4						
0306118-05B	74.8	68.5						
0306118-06B	90.1	75.0						
PWB063003	78.7	55.1						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	52-142
XYL2456CLM	=	TCX	52-143

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8260B **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0306118-01A	95.3	97.8	96.3					
0306118-01AMS	95.8	98.1	98.6					
0306118-01AMSD	96.2	96.9	98.2					
0306118-02A	97.1	97.8	99.8					
LCS070103B	122	87.0	89.6					
VBLK070103B	95.9	98.0	94.7					
VBLK070203	98.5	99.7	102					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	65.8-125
BZMED8	=	Toluene-d8	70.3-125
DBFM	=	Dibromofluoromethane	83.7-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8260B **Matrix:** W

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0306118-03A	95.2	99.7	101					
0306118-04A	119	86.8	88.1					
0306118-05A	117	85.6	91.2					
0306118-06A	115	84.6	85.6					
0306118-07A	120	85.8	88.3					
0306118-08A	119	86.7	92.4					
VBLK070203W	98.5	99.7	102					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	69.2-122
BZMED8	=	Toluene-d8	75-122
DBFM	=	Dibromofluoromethane	85-121

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0306117-17B MS	82.4	77.6	74.4	75.5	101	77.1		
0306117-17B MSD	69.6	90.0	78.0	75.7	98.4	69.8		
0306118-01B	85.3	78.2	66.4	78.2	86.9	62.9		
0306118-02B	93.2	92.9	66.9	73.2	86.0	82.0		
LCS070803	80.3	79.4	74.2	76.6	81.5	77.2		
SSB070803 A	75.1	89.0	69.5	78.1	107	52.6		
SSB070803B	86.2	74.2	80.0	85.5	101	54.4		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	29.6-124.5
PH246BR	=	2,4,6-Tribromophenol	27.9-127.1
PH2F	=	2-Fluorophenol	32.3-123.3
PHEN2F	=	2-Fluorobiphenyl	31.5-113.1
PHEND14	=	4-Terphenyl-d14	29.8-129.9
PHENOLD6	=	Phenol-d6	27.1-126.2

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 30-Jul-03

CLIENT: AKRF, Inc
Work Order: 0306118
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0306118-04B	77.2	75.7	54.1	79.1	81.8	32.1		
0306118-05B	74.3	86.9	57.5	83.1	88.9	34.2		
0306118-06B	58.0	66.6	47.8	68.8	82.6	26.2		
LCS063003	84.4	85.9	59.9	87.6	93.6	37.8		
LCSD063003	80.1	85.6	57.7	82.3	96.4	35.1		
SWB063003	74.8	75.6	56.2	80.0	91.3	33.7		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	35.8-128
PH246BR	=	2,4,6-Tribromophenol	17.2-124.3
PH2F	=	2-Fluorophenol	26-112.5
PHEN2F	=	2-Fluorobiphenyl	37.9-119.5
PHEND14	=	4-Terphenyl-d14	33.2-135.5
PHENOLD6	=	Phenol-d6	11.1-103.6

*** Surrogate recovery outside acceptance limits**

2003 Groundwater Data

AMERICAN ANALYTICAL LABORATORIES, INC.

NYSDOH	ELAP	11418
AIHA	PAT, LPAT	102391
CTDOH	PH-0205	

ASP CATEGORY A
WORKORDER 0307061
AKRF, INC.
GREENPOINT LUMBER YARD
BROOKLYN, N.Y.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

COVER PAGE

July 28, 2003

Mimi Sotiriou
AKRF, Inc
116 East 27th Street
7th Floor
New York, NY 10016

TEL: (646) 459-3528
FAX (212) 726-0942

RE: Greenpoint Lumber Yard Brooklyn, NY

Order No.: 0307061

Dear Mimi Sotiriou:

American Analytical Laboratories, Inc. received 14 samples on 7/16/2003 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0307061

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0307061-01A	MW6		7/16/2003	7/16/2003
0307061-01B	MW6		7/16/2003	7/16/2003
0307061-01C	MW6		7/16/2003	7/16/2003
0307061-01D	MW6		7/16/2003	7/16/2003
0307061-02A	MW7		7/16/2003	7/16/2003
0307061-02B	MW7		7/16/2003	7/16/2003
0307061-02C	MW7		7/16/2003	7/16/2003
0307061-02D	MW7		7/16/2003	7/16/2003
0307061-03A	MW8		7/16/2003	7/16/2003
0307061-03B	MW8		7/16/2003	7/16/2003
0307061-03C	MW8		7/16/2003	7/16/2003
0307061-03D	MW8		7/16/2003	7/16/2003
0307061-04A	MW9		7/16/2003	7/16/2003
0307061-04B	MW9		7/16/2003	7/16/2003
0307061-04C	MW9		7/16/2003	7/16/2003
0307061-04D	MW9		7/16/2003	7/16/2003
0307061-05A	MW10		7/16/2003	7/16/2003
0307061-05B	MW10		7/16/2003	7/16/2003
0307061-05C	MW10		7/16/2003	7/16/2003
0307061-05D	MW10		7/16/2003	7/16/2003
0307061-06A	MW11		7/16/2003	7/16/2003
0307061-06B	MW11		7/16/2003	7/16/2003
0307061-06C	MW11		7/16/2003	7/16/2003
0307061-06D	MW11		7/16/2003	7/16/2003
0307061-07A	MW12		7/16/2003	7/16/2003
0307061-07B	MW12		7/16/2003	7/16/2003
0307061-07C	MW12		7/16/2003	7/16/2003
0307061-07D	MW12		7/16/2003	7/16/2003
0307061-08A	MW13		7/16/2003	7/16/2003
0307061-08B	MW13		7/16/2003	7/16/2003
0307061-08C	MW13		7/16/2003	7/16/2003
0307061-08D	MW13		7/16/2003	7/16/2003
0307061-09A	MW14		7/16/2003	7/16/2003
0307061-09B	MW14		7/16/2003	7/16/2003
0307061-09C	MW14		7/16/2003	7/16/2003
0307061-09D	MW14		7/16/2003	7/16/2003
0307061-10A	MW15		7/16/2003	7/16/2003
0307061-10B	MW15		7/16/2003	7/16/2003

CLIENT: AKRF, Inc
Project: Greenpoint Lumber Yard Brooklyn, NY
Lab Order: 0307061

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0307061-10C	MW15		7/16/2003	7/16/2003
0307061-10D	MW15		7/16/2003	7/16/2003
0307061-11A	MW16		7/16/2003	7/16/2003
0307061-11B	MW16		7/16/2003	7/16/2003
0307061-11C	MW16		7/16/2003	7/16/2003
0307061-11D	MW16		7/16/2003	7/16/2003
0307061-12A	FOUND WELL		7/16/2003	7/16/2003
0307061-12B	FOUND WELL		7/16/2003	7/16/2003
0307061-12C	FOUND WELL		7/16/2003	7/16/2003
0307061-12D	FOUND WELL		7/16/2003	7/16/2003
0307061-13A	TRIP BLANK		7/16/2003	7/16/2003
0307061-14A	FIELD BLANK		7/16/2003	7/16/2003
0307061-14B	FIELD BLANK		7/16/2003	7/16/2003
0307061-14C	FIELD BLANK		7/16/2003	7/16/2003

SDG NARRATIVE

SDG Narrative

AAL Work Order: : 0307061
Sample Matrix : Groundwater
Project : Greenpoint

INTRODUCTION
This narrative covers the analysis of twelve (12) groundwater and the associated quality control samples (Field Blank and Trip Blank) in accordance with protocols based on SW846 Methods 8260, 8270, 8081, 8082, 6010 and 7470.

HOLDING TIMES
The analytical holding time for these analyses was met.

CALIBRATIONS
Initial Calibration: All required minimum RRFs and maximum %RSD requirements have been met in accordance with the method.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the method.

TUNE PERFORMANCE
All Tune (BFB) specifications met QC requirements.

METHOD BLANKS
The method blanks associated with these samples did not contain any target compounds at or above QC limits with the exception of the volatile method blank analyzed on 7/19/03 [applicable to samples MW9, MW10, MW11, MW12, MW13, MW14, MW15, MW16 Found Well, Field Blank and the Trip Blank] which was determined to contain toluene within acceptable levels. Toluene was detected in sample MW13 and has been qualified, "B," as required. The level detected in MW13 (12 ppb) is consistent with lab contamination levels and therefore cannot be attributed to sample matrix constituents.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE/DUPLICATES
MS/MSD/Dup analysis was performed as required. Results are submitted as an appendix to this report.
Spike recoveries and RPD fell within established ranges except where noted on the summary sheets. No laboratory action is required for MS/MSD outliers.

INTERNAL STANDARDS
All area responses and retention times fell within acceptable ranges.

SURROGATES (SYSTEM MONITORING COMPOUNDS)
Surrogate recoveries are summarized in the appendix to this reort.

SAMPLE COMMENTS
Samples were analyzed as per the required protocols.

Volatile and Semivolatile analysis of MW13 was initially analyzed undiluted. As a result of Napthalene concentrations exceeding the instruments linear calibration range for both analyses, a secondary (1:10) dilution was performed as required. Results have been hybridized on the Form I's.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his designee, as verified by the following signature." This statement shall be directly followed by signature of the Laboratory Manager or his designee with a typed line below it containing the signer's name and title, and the date of the signature.

Lori Beyer 07/29/03
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES, INC.
56 TOLEDO STREET
FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFERS

For reporting results, the following "Results Qualifers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

NYSDEC DATA PACKAGE SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

CUSTOMER SAMPLE CODE	LABORATORY SAMPLE CODE	ANALYTICAL REQUIREMENTS					
		*VOA GC/MS METHOD #	*BNA GC/MS METHOD #	*VOA GC METHOD #	*PEST PCBs METHOD #	*METALS (TAL)	*OTHER
MW6	0307061-01	8260	8270	NA	8081/8082	6010/7470	
MW7	0307061-02						
MW8	0307061-03						
MW9	0307061-04						
MW10	0307061-05						
MW11	0307061-06						
MW12	0307061-07						
MW13	0307061-08						
MW14	0307061-09						
MW15	0307061-10						
MW16	0307061-11						
Found Well	0307061-12						
Trip Blank	0307061-13		—	—	—	—	
Field Blank	0307061-14		8270	NA	8081/8082	6010/7470	

NA = Not Applicable

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0307061-01	AQUEOUS	7/16/03	7/16/03	NA	7/18/03
0307061-02					7/18/03
0307061-03					7/18/03
0307061-04					7/19/03
0307061-05					7/19/03
0307061-06					7/19/03
0307061-07					7/19/03
0307061-08					7/19/03
0307061-09					7/19/03
0307061-10					7/19/03
0307061-11					7/19/03
0307061-12					7/19/03
0307061-14					7/19/03
0307061-13					7/19/03

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0307061-01	AQUEOUS	07/16/03	07/16/03	07/17/03	07/17/03
0307061-02					07/18/03
0307061-03					
0307061-04					
0307061-05					
0307061-06					
0307061-07					
0307061-08					07/18/03, 07/22/03
0307061-09					07/18/03
0307061-10					07/19/03
0307061-11					07/21/03
0307061-12					
0307061-14					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILLARY CLEAN UP	DIL / CONC. FACTOR
0307061-01	AQUEOUS	3510/8270	3570 sepf	NA	1
0307061-02	↓	↓	↓	↓	1
0307061-03	↓	↓	↓	↓	1
0307061-04	↓	↓	↓	↓	1
0307061-05	↓	↓	↓	↓	1
0307061-06	↓	↓	↓	↓	1
0307061-07	↓	↓	↓	↓	1
0307061-08	↓	↓	↓	↓	1, 10
0307061-09	↓	↓	↓	↓	1
0307061-10	↓	↓	↓	↓	1
0307061-11	↓	↓	↓	↓	1
0307061-12	↓	↓	↓	↓	1
0307061-14	↓	↓	↓	↓	1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE / PCB
ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
0307061-01	AQUEOUS	07/16/03	07/16/03	07/17/03	07/18/03
0307061-02					
0307061-03					
0307061-04					
0307061-05					
0307061-06					07/21/03
0307061-07					
0307061-08					
0307061-09					
0307061-10					
0307061-11					
0307061-12					
0307061-14					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE ANALYZED
0307061-01	AQUEOUS	TAC (23)	07/16/03	7/18/03, 7/23/03
0307061-02				
0307061-03				
0307061-04				
0307061-05				
0307061-06				
0307061-07				
0307061-08				
0307061-09				
0307061-10				
0307061-11				
0307061-12				
0307061-14				

CHAIN OF CUSTODY FORMS

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027 • email: AAL20000@aol.com

Attn: Lori Beyer

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: Mimi Sotiriou, AKRF, Inc.
CONTACT: 666-459-3528, 917-612-7877
SAMPLER (SIGNATURE): MSotiriou
DATE: 7/17/03 TIME: 10AM
SAMPLER NAME (PRINT): MSotiriou
SAMPLE(S) SEALED: YES / NO
CORRECT CONTAINER(S): YES / NO
PROJECT LOCATION: 30260-0006 Greenpoint Lumber Yard - Brooklyn, NY
P.O.#: 30260-0006

ANALYSIS REQUIRED: 8260, 8270, 8081, 8082, TCL Metals, TAL Metals Unfiltered

LABORATORY ID #	MATRIX	TYPE	PRES.	SAMPLE # - LOCATION	8260	8270	8081	8082	TCL Metals	TAL Metals Unfiltered
0307061-01AB CD	L			MW6	X	X	X	X	X	X
-02AB CD				MW 7						
-03AB CD				MW 8						
-04AB CD				MW 9						
-05AB CD				MW 10						
-06AB CD				MW 11						
-07AB CD				MW 12						
-08AB CD				MW 13						
-09AB CD				MW 14						
-10AB CD				MW 15						
-11AB CD				MW 16						
-12AB CD				FOUND WELL	✓	✓	✓	✓	✓	✓
-13A				TRIP BLANK						
-14AB CD				FIELD BLANK	X	X	X		X	

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A=AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS: 2nd Chain - Ignore 1st Chain

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
MSotiriou	7/16/03 2PM	MSotiriou	[illegible]	7/16/03 2:45 PM	Lori Beyer
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

GC/MS VOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2,4-Trimethylbenzene	3.7	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,3,5-Trimethylbenzene	2.6	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2-Butanone	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
2-Hexanone	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Acetone	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Acrolein	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Benzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromoform	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Bromomethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/18/2003 7:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chloroethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chloroform	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Chloromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Dibromomethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Ethanol	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Freon-114	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
m,p-Xylene	4.2	2.0		µg/L	1	7/18/2003 7:28:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Methylene chloride	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Naphthalene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
o-Xylene	1.6	1.0		µg/L	1	7/18/2003 7:28:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Styrene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Toluene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Trichloroethene	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/18/2003 7:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/18/2003 7:28:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/18/2003 7:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2,4-Trimethylbenzene	1.6	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2-Butanone	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
2-Hexanone	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
4-Isopropyltoluene	7.2	1.0		µg/L	1	7/18/2003 9:24:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Acetone	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Acrolein	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Benzene	2.0	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromoform	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Bromomethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/18/2003 9:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chloroethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chloroform	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Chloromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Dibromomethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Ethanol	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Freon-114	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/18/2003 9:24:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Methylene chloride	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Naphthalene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
o-Xylene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Styrene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Toluene	2.2	1.0		µg/L	1	7/18/2003 9:24:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Trichloroethene	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/18/2003 9:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/18/2003 9:24:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/18/2003 9:24:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1-Dichloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1-Dichloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,1-Dichloropropene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dibromoethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dichloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,3-dichloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2,2-Dichloropropane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2-Butanone	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
2-Hexanone	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
4-Chlorotoluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
4-Isopropyltoluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Acetone	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Acrolein	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Acrylonitrile	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Benzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromochloromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromodichloromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromoform	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Bromomethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Carbon disulfide	U	1.0		µg/L	1	7/18/2003 10:02:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chlorobenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chloroethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chloroform	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Chloromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Dibromochloromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Dibromomethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Diisopropyl ether	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Ethanol	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Ethyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Ethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Freon-114	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Isopropyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Isopropylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
m,p-Xylene	U	2.0		µg/L	1	7/18/2003 10:02:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Methylene chloride	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Naphthalene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
n-Butyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
n-Butylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
n-Propyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
n-Propylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
o-Xylene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Styrene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Tetrachloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Toluene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Trichloroethene	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	7/18/2003 10:02:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/18/2003 10:02:00 PM
Vinyl chloride	U	1.0		µg/L	1	7/18/2003 10:02:00 PM

Qualifiers:

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R - RPD outside accepted recovery limits
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 1:50:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 1:50:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 1:50:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 1:50:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 1:50:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 2:28:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 2:28:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 2:28:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 2:28:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 2:28:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 3:07:00 AM

Qualifiers:

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 3:07:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Tetrachloroethene	5.6	1.0		µg/L	1	7/19/2003 3:07:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 3:07:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 3:07:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 3:07:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 3:45:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 3:45:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 3:45:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 3:45:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 3:45:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2,4-Trimethylbenzene	15	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,3,5-Trimethylbenzene	10	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
4-Isopropyltoluene	8.8	1.0		µg/L	1	7/19/2003 4:22:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Benzene	1.4	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Carbon disulfide	2.4	1.0		µg/L	1	7/19/2003 4:22:00 AM

Qualifiers:

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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Ethylbenzene	9.7	1.0		µg/L	1	7/19/2003 4:22:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Isopropylbenzene	1.2	1.0		µg/L	1	7/19/2003 4:22:00 AM
m,p-Xylene	33	2.0		µg/L	1	7/19/2003 4:22:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Naphthalene	700	10		µg/L	10	7/22/2003 3:32:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
n-Propylbenzene	4.5	1.0		µg/L	1	7/19/2003 4:22:00 AM
o-Xylene	16	1.0		µg/L	1	7/19/2003 4:22:00 AM
p-Diethylbenzene	3.7	1.0		µg/L	1	7/19/2003 4:22:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Styrene	6.1	1.0		µg/L	1	7/19/2003 4:22:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Toluene	12	1.0	B	µg/L	1	7/19/2003 4:22:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 4:22:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 4:22:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 4:22:00 AM

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 5:01:00 AM

Qualifiers:

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 5:01:00 AM
Methyl tert-butyl ether	8.0	1.0		µg/L	1	7/19/2003 5:01:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 5:01:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 5:01:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 5:01:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 5:39:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 5:39:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 5:39:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 5:39:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 5:39:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 6:17:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 6:17:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 6:17:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 6:17:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 6:17:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 6:55:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 6:55:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 6:55:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	TRIP BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-13A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 7:33:00 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
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E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	TRIP BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-13A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 7:33:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	TRIP BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-13A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 7:33:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 7:33:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2-Butanone	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
2-Hexanone	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Acetone	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Acrolein	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Acrylonitrile	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Benzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromochloromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromodichloromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromoform	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Bromomethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Carbon disulfide	U	1.0		µg/L	1	7/19/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Carbon tetrachloride	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chlorobenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chloroethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chloroform	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Chloromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Dibromochloromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Dibromomethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Diisopropyl ether	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Ethanol	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Ethyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Ethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Freon-114	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Isopropyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Isopropylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
m,p-Xylene	U	2.0		µg/L	1	7/19/2003 8:11:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Methylene chloride	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Naphthalene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
n-Butyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
n-Butylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
n-Propyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
n-Propylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
o-Xylene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Styrene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Tetrachloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Toluene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Trichloroethene	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	7/19/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14A	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
Vinyl acetate	U	1.0		µg/L	1	7/19/2003 8:11:00 AM
Vinyl chloride	U	1.0		µg/L	1	7/19/2003 8:11:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

GC/MS SEMIVOLATILE DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Acenaphthene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Aniline	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Anthracene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Azobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzidine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzoic acid	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Carbazole	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Chrysene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Fluoranthene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Fluorene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Isophorone	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Naphthalene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Phenanthrene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Phenol	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Pyrene	U	5.0		µg/L	1	7/17/2003 11:52:00 PM
Pyridine	U	5.0		µg/L	1	7/17/2003 11:52:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
3+4-Methylphenol	6.1	5.0		µg/L	1	7/18/2003 2:41:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzoic acid	29	5.0		µg/L	1	7/18/2003 2:41:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Phenanthrene	7.1	5.0		µg/L	1	7/18/2003 2:41:00 PM
Phenol	7.4	5.0		µg/L	1	7/18/2003 2:41:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 2:41:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 2:41:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 3:19:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 3:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
3,3´-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 3:58:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 3:58:00 PM

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Naphthalene	8.6	5.0		µg/L	1	7/18/2003 4:37:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 4:37:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 4:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 5:56:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 5:56:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
3,3′-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 6:47:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 6:47:00 PM

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ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Methylnaphthalene	68	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Acenaphthene	18	5.0		µg/L	1	7/18/2003 7:49:00 PM
Acenaphthylene	18	5.0		µg/L	1	7/18/2003 7:49:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Anthracene	5.6	5.0		µg/L	1	7/18/2003 7:49:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Carbazole	10	5.0		µg/L	1	7/18/2003 7:49:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Dibenzofuran	6.5	5.0		µg/L	1	7/18/2003 7:49:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Fluorene	18	5.0		µg/L	1	7/18/2003 7:49:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Naphthalene	630	50		µg/L	10	7/22/2003 1:35:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Phenanthrene	39	5.0		µg/L	1	7/18/2003 7:49:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 7:49:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 7:49:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Acenaphthene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Aniline	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Anthracene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Azobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzidine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzoic acid	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Carbazole	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Chrysene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Fluoranthene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Fluorene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Isophorone	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Naphthalene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Phenanthrene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Phenol	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Pyrene	U	5.0		µg/L	1	7/18/2003 11:04:00 PM
Pyridine	U	5.0		µg/L	1	7/18/2003 11:04:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Chloronaphthalene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Chlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Methylnaphthalene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Methylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Nitroaniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
2-Nitrophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
3+4-Methylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
3-Nitroaniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Chloroaniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Nitroaniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
4-Nitrophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Acenaphthene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Acenaphthylene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Aniline	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Anthracene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Azobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzidine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(a)anthracene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(a)pyrene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzoic acid	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Benzyl alcohol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Carbazole	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Chrysene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Dibenzofuran	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Diethyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Dimethyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Fluoranthene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Fluorene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Hexachlorobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Hexachlorobutadiene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Hexachloroethane	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Isophorone	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Naphthalene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Nitrobenzene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Pentachlorophenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Phenanthrene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Phenol	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Pyrene	U	5.0		µg/L	1	7/19/2003 12:04:00 AM
Pyridine	U	5.0		µg/L	1	7/19/2003 12:04:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Acenaphthene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Aniline	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Anthracene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Azobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzidine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzoic acid	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Carbazole	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Chrysene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Fluoranthene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Fluorene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Isophorone	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Naphthalene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Phenanthrene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Phenol	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Pyrene	U	5.0		µg/L	1	7/21/2003 3:22:00 PM
Pyridine	U	5.0		µg/L	1	7/21/2003 3:22:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Acenaphthene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Aniline	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Anthracene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Azobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzidine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzoic acid	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Carbazole	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Chrysene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Fluoranthene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Fluorene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Isophorone	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Naphthalene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Phenanthrene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Phenol	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Pyrene	U	5.0		µg/L	1	7/21/2003 4:01:00 PM
Pyridine	U	5.0		µg/L	1	7/21/2003 4:01:00 PM

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
1,2-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
1,3-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
1,4-Dichlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4,5-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4,6-Trichlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4-Dichlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4-Dimethylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4-Dinitrophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,4-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2,6-Dinitrotoluene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Chloronaphthalene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Chlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Methylnaphthalene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Methylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
2-Nitrophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
3,3'-Dichlorobenzidine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
3+4-Methylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
3-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4,6-Dinitro-2-methylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Bromophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Chloro-3-methylphenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Chloroaniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Chlorophenyl phenyl ether	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Nitroaniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
4-Nitrophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Acenaphthene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Acenaphthylene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Aniline	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Anthracene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Azobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzidine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(a)anthracene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(a)pyrene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(b)fluoranthene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(g,h,i)perylene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzo(k)fluoranthene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzoic acid	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Benzyl alcohol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM

Qualifiers:

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **RN**
Bis(2-chloroethoxy)methane	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Bis(2-chloroethyl)ether	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Bis(2-chloroisopropyl)ether	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Bis(2-ethylhexyl)phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Butyl benzyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Carbazole	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Chrysene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Dibenzo(a,h)anthracene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Dibenzofuran	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Diethyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Dimethyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Di-n-butyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Di-n-octyl phthalate	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Fluoranthene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Fluorene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Hexachlorobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Hexachlorobutadiene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Hexachlorocyclopentadiene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Hexachloroethane	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Indeno(1,2,3-c,d)pyrene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Isophorone	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Naphthalene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Nitrobenzene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
N-Nitrosodimethylamine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
N-Nitrosodi-n-propylamine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
N-Nitrosodiphenylamine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Pentachlorophenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Phenanthrene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Phenol	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Pyrene	U	5.0		µg/L	1	7/21/2003 4:39:00 PM
Pyridine	U	5.0		µg/L	1	7/21/2003 4:39:00 PM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
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E - Value above quantitation range

GC PESTICIDE/PCB DATA

RESULTS – ORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 5:26:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 5:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 6:09:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 6:09:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 6:52:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 6:52:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 7:35:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 7:35:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Aldrin	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
alpha-BHC	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
beta-BHC	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Chlordane	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
DBCP	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
delta-BHC	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Dieldrin	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endosulfan I	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endosulfan II	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endrin	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Endrin ketone	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
gamma-BHC	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Heptachlor	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Isodrin	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Methoxychlor	U	0.10		µg/L	1	7/18/2003 8:18:00 PM
Toxaphene	U	1.0		µg/L	1	7/18/2003 8:18:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Hexachlorobenzene	0.08	0.10	J	µg/L	1	7/21/2003 6:53:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 6:53:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 6:53:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 7:36:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 7:36:00 PM

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American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 8:19:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 8:19:00 PM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 9:02:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 9:02:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 9:45:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 9:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 10:28:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 10:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4'-DDD	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
4,4'-DDE	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
4,4'-DDT	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 11:11:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 11:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
4,4´-DDD	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
4,4´-DDE	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
4,4´-DDT	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Aldrin	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
alpha-BHC	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
beta-BHC	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Chlordane	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Chlorobenzilate	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
DBCP	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
delta-BHC	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Dieldrin	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endosulfan I	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endosulfan II	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endosulfan sulfate	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endrin	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endrin aldehyde	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Endrin ketone	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
gamma-BHC	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Heptachlor	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Heptachlor epoxide	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Hexachlorobenzene	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Hexachlorocyclopentadiene	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Isodrin	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Methoxychlor	U	0.10		µg/L	1	7/21/2003 11:54:00 PM
Toxaphene	U	1.0		µg/L	1	7/21/2003 11:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 5:26:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 5:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 6:09:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 6:09:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 6:52:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 6:52:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 7:35:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 7:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/18/2003 8:18:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/18/2003 8:18:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 6:53:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 6:53:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 7:36:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 7:36:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 8:19:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 8:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 9:02:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 9:02:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 9:45:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 9:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 10:28:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 10:28:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 11:11:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 11:11:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14B	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3510B)**		Analyst: **KB**
Aroclor 1016	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1221	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1232	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1242	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1248	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1254	U	1.0		µg/L	1	7/21/2003 11:54:00 PM
Aroclor 1260	U	1.0		µg/L	1	7/21/2003 11:54:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

INORGANIC DATA

RESULTS - INORGANIC ANALYSIS DATA SHEET

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.104	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Antimony	0.0836	0.0250		mg/L	1	7/18/2003 10:22:43 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:22:43 AM
Barium	0.218	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:22:43 AM
Calcium	146	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Cobalt	0.013	0.0200	J	mg/L	1	7/18/2003 10:22:43 AM
Copper	0.015	0.0200	J	mg/L	1	7/18/2003 10:22:43 AM
Iron	29.2	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:22:43 AM
Magnesium	7.07	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Manganese	0.558	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Nickel	0.0054	0.0200	J	mg/L	1	7/18/2003 10:22:43 AM
Potassium	15.5	0.0700		mg/L	1	7/18/2003 10:22:43 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:22:43 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Sodium	21.7	0.0300		mg/L	1	7/18/2003 10:22:43 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:22:43 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:22:43 AM
Zinc	0.0516	0.0200		mg/L	1	7/18/2003 10:22:43 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW6
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-01D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0562	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:20:15 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:20:15 AM
Barium	0.146	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:20:15 AM
Calcium	160	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Iron	0.843	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:20:15 AM
Magnesium	7.73	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Manganese	0.537	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Potassium	18.1	0.0700		mg/L	1	7/18/2003 10:20:15 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:20:15 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Sodium	17.1	0.0300		mg/L	1	7/18/2003 10:20:15 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:20:15 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:20:15 AM
Zinc	0.0071	0.0200	J	mg/L	1	7/18/2003 10:20:15 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	1.68	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Antimony	0.0548	0.0250		mg/L	1	7/18/2003 10:28:23 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:28:23 AM
Barium	0.132	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:28:23 AM
Calcium	39.2	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Copper	0.019	0.0200	J	mg/L	1	7/18/2003 10:28:23 AM
Iron	0.497	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Lead	0.0197	0.0150		mg/L	1	7/18/2003 10:28:23 AM
Magnesium	0.166	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Manganese	0.0082	0.0200	J	mg/L	1	7/18/2003 10:28:23 AM
Nickel	0.0058	0.0200	J	mg/L	1	7/18/2003 10:28:23 AM
Potassium	100	0.0700		mg/L	1	7/18/2003 10:28:23 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:28:23 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:28:23 AM
Sodium	110	0.0300		mg/L	1	7/18/2003 10:28:23 AM
Thallium	0.0190	0.0150		mg/L	1	7/18/2003 10:28:23 AM
Vanadium	0.0083	0.0200	J	mg/L	1	7/18/2003 10:28:23 AM
Zinc	0.0392	0.0200		mg/L	1	7/18/2003 10:28:23 AM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW7
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-02D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	1.69	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:26:08 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:26:08 AM
Barium	0.140	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:26:08 AM
Calcium	41.9	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Copper	0.0052	0.0200	J	mg/L	1	7/18/2003 10:26:08 AM
Iron	0.157	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Lead	0.0091	0.0150	J	mg/L	1	7/18/2003 10:26:08 AM
Magnesium	0.0633	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Manganese	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Nickel	0.0048	0.0200	J	mg/L	1	7/18/2003 10:26:08 AM
Potassium	114	0.0700		mg/L	1	7/18/2003 10:26:08 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:26:08 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:26:08 AM
Sodium	116	0.0300		mg/L	1	7/18/2003 10:26:08 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:26:08 AM
Vanadium	0.0081	0.0200	J	mg/L	1	7/18/2003 10:26:08 AM
Zinc	0.0062	0.0200	J	mg/L	1	7/18/2003 10:26:08 AM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.334	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Antimony	0.0443	0.0250		mg/L	1	7/18/2003 10:33:41 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:33:41 AM
Barium	0.486	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:33:41 AM
Calcium	168	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Copper	0.010	0.0200	J	mg/L	1	7/18/2003 10:33:41 AM
Iron	0.106	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:33:41 AM
Magnesium	495	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Manganese	0.018	0.0200	J	mg/L	1	7/18/2003 10:33:41 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Potassium	349	0.0700		mg/L	1	7/18/2003 10:33:41 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:33:41 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Sodium	509	0.0300		mg/L	1	7/18/2003 10:33:41 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:33:41 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:33:41 AM
Zinc	0.0520	0.0200		mg/L	1	7/18/2003 10:33:41 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW8
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-03D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0575	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:31:20 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:31:20 AM
Barium	0.468	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:31:20 AM
Calcium	167	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Iron	0.0448	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:31:20 AM
Magnesium	505	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Manganese	0.018	0.0200	J	mg/L	1	7/18/2003 10:31:20 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Potassium	368	0.0700		mg/L	1	7/18/2003 10:31:20 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:31:20 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Sodium	517	0.0300		mg/L	1	7/18/2003 10:31:20 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:31:20 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:31:20 AM
Zinc	0.0270	0.0200		mg/L	1	7/18/2003 10:31:20 AM

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.582	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Antimony	0.0272	0.0250		mg/L	1	7/18/2003 10:50:46 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:50:46 AM
Barium	0.230	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:50:46 AM
Calcium	223	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Copper	0.015	0.0200	J	mg/L	1	7/18/2003 10:50:46 AM
Iron	3.83	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Lead	0.0173	0.0150		mg/L	1	7/18/2003 10:50:46 AM
Magnesium	38.7	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Manganese	0.848	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Nickel	0.0045	0.0200	J	mg/L	1	7/18/2003 10:50:46 AM
Potassium	38.8	0.0700		mg/L	1	7/18/2003 10:50:46 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:50:46 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Sodium	101	0.0300		mg/L	1	7/18/2003 10:50:46 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:50:46 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:50:46 AM
Zinc	0.146	0.0200		mg/L	1	7/18/2003 10:50:46 AM

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R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW9
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-04D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0727	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:47:48 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:47:48 AM
Barium	0.235	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:47:48 AM
Calcium	252	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Iron	0.695	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:47:48 AM
Magnesium	42.2	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Manganese	0.939	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Potassium	45.8	0.0700		mg/L	1	7/18/2003 10:47:48 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:47:48 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Sodium	102	0.0300		mg/L	1	7/18/2003 10:47:48 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:47:48 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:47:48 AM
Zinc	0.101	0.0200		mg/L	1	7/18/2003 10:47:48 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.204	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Antimony	0.018	0.0250	J	mg/L	1	7/18/2003 10:56:05 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:56:05 AM
Barium	0.130	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:56:05 AM
Calcium	266	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Copper	0.013	0.0200	J	mg/L	1	7/18/2003 10:56:05 AM
Iron	6.98	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Lead	0.010	0.0150	J	mg/L	1	7/18/2003 10:56:05 AM
Magnesium	52.2	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Manganese	6.12	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Potassium	42.1	0.0700		mg/L	1	7/18/2003 10:56:05 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:56:05 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Sodium	109	0.0300		mg/L	1	7/18/2003 10:56:05 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:56:05 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:56:05 AM
Zinc	0.0829	0.0200		mg/L	1	7/18/2003 10:56:05 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW10
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-05D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0417	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:53:44 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:53:44 AM
Barium	0.112	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:53:44 AM
Calcium	304	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Iron	0.399	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:53:44 AM
Magnesium	58.1	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Manganese	6.80	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Potassium	51.0	0.0700		mg/L	1	7/18/2003 10:53:44 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:53:44 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Sodium	112	0.0300		mg/L	1	7/18/2003 10:53:44 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:53:44 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:53:44 AM
Zinc	0.0051	0.0200	J	mg/L	1	7/18/2003 10:53:44 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.110	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:00:41 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:00:41 AM
Barium	0.0496	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:00:41 AM
Calcium	113	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Copper	0.0098	0.0200	J	mg/L	1	7/18/2003 11:00:41 AM
Iron	0.153	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:00:41 AM
Magnesium	33.8	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Manganese	0.184	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Nickel	0.0054	0.0200	J	mg/L	1	7/18/2003 11:00:41 AM
Potassium	7.10	0.0700		mg/L	1	7/18/2003 11:00:41 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:00:41 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Sodium	34.0	0.0300		mg/L	1	7/18/2003 11:00:41 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:00:41 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:00:41 AM
Zinc	0.0414	0.0200		mg/L	1	7/18/2003 11:00:41 AM

Qualifiers:

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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW11
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-06D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0665	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 10:58:22 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 10:58:22 AM
Barium	0.0499	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 10:58:22 AM
Calcium	123	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Copper	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Iron	0.0584	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Lead	U	0.0150		mg/L	1	7/18/2003 10:58:22 AM
Magnesium	36.7	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Manganese	0.194	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Nickel	0.0046	0.0200	J	mg/L	1	7/18/2003 10:58:22 AM
Potassium	8.25	0.0700		mg/L	1	7/18/2003 10:58:22 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 10:58:22 AM
Silver	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Sodium	32.1	0.0300		mg/L	1	7/18/2003 10:58:22 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 10:58:22 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 10:58:22 AM
Zinc	0.018	0.0200	J	mg/L	1	7/18/2003 10:58:22 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.211	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:05:27 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:05:27 AM
Barium	0.277	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:05:27 AM
Calcium	113	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Copper	0.012	0.0200	J	mg/L	1	7/18/2003 11:05:27 AM
Iron	9.42	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Lead	0.0236	0.0150		mg/L	1	7/18/2003 11:05:27 AM
Magnesium	27.8	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Manganese	1.93	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Potassium	24.3	0.0700		mg/L	1	7/18/2003 11:05:27 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:05:27 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Sodium	83.4	0.0300		mg/L	1	7/18/2003 11:05:27 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:05:27 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:05:27 AM
Zinc	0.0538	0.0200		mg/L	1	7/18/2003 11:05:27 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW12
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-07D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0417	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:03:03 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:03:03 AM
Barium	0.240	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:03:03 AM
Calcium	127	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Iron	0.395	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:03:03 AM
Magnesium	31.2	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Manganese	2.10	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Potassium	30.3	0.0700		mg/L	1	7/18/2003 11:03:03 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:03:03 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Sodium	88.7	0.0300		mg/L	1	7/18/2003 11:03:03 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:03:03 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:03:03 AM
Zinc	0.0056	0.0200	J	mg/L	1	7/18/2003 11:03:03 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.164	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Antimony	0.022	0.0250	J	mg/L	1	7/18/2003 11:10:10 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:10:10 AM
Barium	0.0681	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:10:10 AM
Calcium	345	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Copper	0.011	0.0200	J	mg/L	1	7/18/2003 11:10:10 AM
Iron	3.05	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:10:10 AM
Magnesium	27.0	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Manganese	0.752	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Nickel	0.0064	0.0200	J	mg/L	1	7/18/2003 11:10:10 AM
Potassium	22.1	0.0700		mg/L	1	7/18/2003 11:10:10 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:10:10 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Sodium	57.1	0.0300		mg/L	1	7/18/2003 11:10:10 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:10:10 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:10:10 AM
Zinc	0.0292	0.0200		mg/L	1	7/18/2003 11:10:10 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW13
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-08D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0573	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:07:52 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:07:52 AM
Barium	0.0656	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:07:52 AM
Calcium	381	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Iron	0.332	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:07:52 AM
Magnesium	29.4	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Manganese	0.814	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Potassium	24.9	0.0700		mg/L	1	7/18/2003 11:07:52 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:07:52 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Sodium	55.4	0.0300		mg/L	1	7/18/2003 11:07:52 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:07:52 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:07:52 AM
Zinc	0.014	0.0200	J	mg/L	1	7/18/2003 11:07:52 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.253	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Antimony	0.024	0.0250	J	mg/L	1	7/18/2003 11:21:49 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:21:49 AM
Barium	0.214	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:21:49 AM
Calcium	92.8	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Copper	0.0091	0.0200	J	mg/L	1	7/18/2003 11:21:49 AM
Iron	19.3	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Lead	0.010	0.0150	J	mg/L	1	7/18/2003 11:21:49 AM
Magnesium	14.3	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Manganese	2.69	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Nickel	0.0048	0.0200	J	mg/L	1	7/18/2003 11:21:49 AM
Potassium	13.9	0.0700		mg/L	1	7/18/2003 11:21:49 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:21:49 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Sodium	75.9	0.0300		mg/L	1	7/18/2003 11:21:49 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:21:49 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:21:49 AM
Zinc	0.0422	0.0200		mg/L	1	7/18/2003 11:21:49 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW14
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-09D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0339	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:19:18 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:19:18 AM
Barium	0.171	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:19:18 AM
Calcium	101	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Iron	1.55	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:19:18 AM
Magnesium	12.3	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Manganese	2.76	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Potassium	14.1	0.0700		mg/L	1	7/18/2003 11:19:18 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:19:18 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Sodium	56.1	0.0300		mg/L	1	7/18/2003 11:19:18 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:19:18 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:19:18 AM
Zinc	0.012	0.0200	J	mg/L	1	7/18/2003 11:19:18 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.253	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:26:28 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:26:28 AM
Barium	0.137	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:26:28 AM
Calcium	115	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Copper	0.0064	0.0200	J	mg/L	1	7/18/2003 11:26:28 AM
Iron	3.60	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Lead	0.0093	0.0150	J	mg/L	1	7/18/2003 11:26:28 AM
Magnesium	25.3	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Manganese	0.838	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Nickel	0.0091	0.0200	J	mg/L	1	7/18/2003 11:26:28 AM
Potassium	6.20	0.0700		mg/L	1	7/18/2003 11:26:28 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:26:28 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Sodium	29.9	0.0300		mg/L	1	7/18/2003 11:26:28 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:26:28 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:26:28 AM
Zinc	0.0393	0.0200		mg/L	1	7/18/2003 11:26:28 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW15
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-10D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0403	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:24:09 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:24:09 AM
Barium	0.142	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:24:09 AM
Calcium	130	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Iron	1.09	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:24:09 AM
Magnesium	28.7	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Manganese	0.924	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Potassium	7.43	0.0700		mg/L	1	7/18/2003 11:24:09 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:24:09 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Sodium	28.7	0.0300		mg/L	1	7/18/2003 11:24:09 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:24:09 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:24:09 AM
Zinc	0.014	0.0200	J	mg/L	1	7/18/2003 11:24:09 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.139	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:34:08 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:34:08 AM
Barium	0.162	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:34:08 AM
Calcium	158	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Iron	12.2	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:34:08 AM
Magnesium	54.2	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Manganese	0.494	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Potassium	23.4	0.0700		mg/L	1	7/18/2003 11:34:08 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:34:08 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Sodium	77.9	0.0300		mg/L	1	7/18/2003 11:34:08 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:34:08 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:34:08 AM
Zinc	0.0336	0.0200		mg/L	1	7/18/2003 11:34:08 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	MW16
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-11D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0377	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:29:01 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:29:01 AM
Barium	0.143	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:29:01 AM
Calcium	176	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Iron	0.404	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:29:01 AM
Magnesium	60.7	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Manganese	0.476	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Potassium	28.2	0.0700		mg/L	1	7/18/2003 11:29:01 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:29:01 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Sodium	80.2	0.0300		mg/L	1	7/18/2003 11:29:01 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:29:01 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:29:01 AM
Zinc	0.0049	0.0200	J	mg/L	1	7/18/2003 11:29:01 AM

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**		**(SW3010A)**		Analyst: **JP**
Aluminum	0.0947	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:39:00 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:39:00 AM
Barium	0.142	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:39:00 AM
Calcium	101	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Copper	0.0076	0.0200	J	mg/L	1	7/18/2003 11:39:00 AM
Iron	3.15	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:39:00 AM
Magnesium	34.1	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Manganese	0.806	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Potassium	17.0	0.0700		mg/L	1	7/18/2003 11:39:00 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:39:00 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Sodium	89.3	0.0300		mg/L	1	7/18/2003 11:39:00 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:39:00 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:39:00 AM
Zinc	0.0339	0.0200		mg/L	1	7/18/2003 11:39:00 AM

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FOUND WELL
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-12D	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY - DISSOLVED		**SW7470A**		**(SW3005A)**		Analyst: **JP**
Mercury	U	0.00200		mg/L	1	7/23/2003
TARGET ANALYTE LIST METALS-DISSOLVED		**SW6010B**		**(SW3005A)**		Analyst: **JP**
Aluminum	0.0421	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Antimony	U	0.0250		mg/L	1	7/18/2003 11:36:41 AM
Arsenic	U	0.0250		mg/L	1	7/18/2003 11:36:41 AM
Barium	0.141	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Beryllium	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Cadmium	U	0.0100		mg/L	1	7/18/2003 11:36:41 AM
Calcium	110	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Chromium	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Cobalt	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Copper	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Iron	0.565	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Lead	U	0.0150		mg/L	1	7/18/2003 11:36:41 AM
Magnesium	37.5	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Manganese	0.851	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Nickel	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Potassium	20.5	0.0700		mg/L	1	7/18/2003 11:36:41 AM
Selenium	U	0.0250		mg/L	1	7/18/2003 11:36:41 AM
Silver	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Sodium	95.6	0.0300		mg/L	1	7/18/2003 11:36:41 AM
Thallium	U	0.0150		mg/L	1	7/18/2003 11:36:41 AM
Vanadium	U	0.0200		mg/L	1	7/18/2003 11:36:41 AM
Zinc	0.019	0.0200	J	mg/L	1	7/18/2003 11:36:41 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

American Analytical Laboratories, Inc.

Date: *28-Jul-03*

CLIENT:	AKRF, Inc	**Client Sample ID:**	FIELD BLANK
Lab Order:	0307061	**Tag Number:**	
Project:	Greenpoint Lumber Yard Brooklyn, NY	**Collection Date:**	7/16/2003
Lab ID:	0307061-14C	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
MERCURY SW-846 7470		**SW7470A**				Analyst: **JP**
Mercury	U	0.200		µg/L	1	7/23/2003
TARGET ANALYTE LIST METALS		**SW6010B**				Analyst: **JP**
Aluminum	0.018	0.0200	J	mg/L	1	7/23/2003 2:46:26 PM
Antimony	U	0.0250		mg/L	1	7/23/2003 2:46:26 PM
Arsenic	U	0.0250		mg/L	1	7/23/2003 2:46:26 PM
Barium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Beryllium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Cadmium	U	0.0100		mg/L	1	7/23/2003 2:46:26 PM
Calcium	0.128	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Chromium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Cobalt	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Copper	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Iron	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Lead	U	0.0150		mg/L	1	7/23/2003 2:46:26 PM
Magnesium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Manganese	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Nickel	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Potassium	0.026	0.0700	J	mg/L	1	7/23/2003 2:46:26 PM
Selenium	U	0.0250		mg/L	1	7/23/2003 2:46:26 PM
Silver	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Sodium	0.479	0.0300		mg/L	1	7/23/2003 2:46:26 PM
Thallium	U	0.0150		mg/L	1	7/23/2003 2:46:26 PM
Vanadium	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM
Zinc	U	0.0200		mg/L	1	7/23/2003 2:46:26 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Appendix

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8081B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0307061-01B	78.1	59.4						
0307061-02B	70.9	51.2 *						
0307061-03B	78.9	55.4						
0307061-04B	67.6	56.7						
0307061-05B	71.1	57.8						
0307061-06B	79.5	105						
0307061-07B	72.9	62.5						
0307061-08B	76.7	77.4						
0307061-09B	70.6	72.7						
0307061-09BMS	83.0	57.8						
0307061-09BMSD	80.2	56.1						
0307061-10B	87.1	50.4 *						
0307061-11B	130	112						
0307061-12B	94.5	81.7						
0307061-14B	119	85.3						
MSB071803	92.9	53.5 *						
PWB071703	67.8	59.1						
PWB071803	101	75.1						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	53.4-139
XYL2456CLM	=	TCX	55.3-128

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8082A **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
0307061-01B	62.2	50.2 *						
0307061-02B	56.2	41.1 *						
0307061-03B	70.4	52.5						
0307061-04B	54.7	46.5 *						
0307061-05B	63.8	49.8 *						
0307061-06B	62.4	81.4						
0307061-07B	63.6	54.0						
0307061-07BMS	54.8	27.2 *						
0307061-07BMSD	64.7	40.3 *						
0307061-08B	62.8	63.8						
0307061-09B	55.8	56.5						
0307061-10B	66.9	39.2 *						
0307061-11B	93.1	79.2						
0307061-12B	76.1	65.2						
0307061-14B	96.6	68.4						
MSB071803	68.5	40.3 *						
PWB071703	53.0	50.4 *						
PWB071803	78.4	57.4						

Acronym		Surrogate	QC Limits
CL10BZ2	=	DCB	52-142
XYL2456CLM	=	TCX	52-143

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8260B **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM					
0307061-01A	83.1	111	115					
0307061-01A MS	83.5	116	118					
0307061-01A MSD	83.5	114	120					
0307061-02A	79.8	114	116					
0307061-03A	80.9	114	118					
0307061-04A	82.3	109	118					
0307061-05A	79.2	110	118					
0307061-06A	80.8	110	112					
0307061-07A	82.4	113	96.0					
0307061-08A	76.8	112	106					
0307061-09A	81.9	114	121					
0307061-10A	80.4	117	120					
0307061-11A	77.9	112	124 *					
0307061-12A	79.4	111	112					
0307061-13A	78.1	112	102					
0307061-14A	77.0	112	111					
LCS071703	84.5	114	93.3					
VBLK071703	80.4	108	94.5					
VBLK071803B	80.4	112	119					
VBLK072103	82.4	110	109					

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	69.2-122
BZMED8	=	Toluene-d8	75-122
DBFM	=	Dibromofluoromethane	85-121

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: 29-Jul-03

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn,
Test No: SW8270D **Matrix:** W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	NO2BZD5	PH246BR	PH2F	PHEN2F	PHEND14	PHENOLD6		
0307061-01B	77.6	81.1	56.6	73.1	86.7	31.7		
0307061-02B	102	92.8	41.8	74.7	89.0	33.6		
0307061-03B	62.5	76.4	47.8	61.4	79.9	27.5		
0307061-04B	55.8	83.8	44.2	65.8	89.0	29.2		
0307061-05B	66.5	83.6	47.9	72.1	95.6	31.8		
0307061-06B	63.8	83.4	42.5	66.6	82.9	28.2		
0307061-07B	76.4	91.4	55.6	76.9	94.0	33.2		
0307061-08B	70.6	91.6	48.2	74.1	90.9	30.5		
0307061-09B	84.0	91.2	62.2	80.3	90.7	37.2		
0307061-10B	82.2	81.8	60.4	78.0	88.9	36.2		
0307061-11B	74.7	97.5	50.7	77.5	83.7	32.0		
0307061-12B	73.4	93.0	56.5	74.3	87.2	34.1		
0307061-14B	66.8	76.7	46.6	66.2	89.7	28.4		
LCS071703	72.1	63.5	53.2	72.3	82.6	34.0		
LCSD071703	73.0	83.8	56.8	73.4	88.0	31.1		
SWB071703	72.9	72.5	53.5	69.1	80.7	30.4		
SWB071803	74.9	73.2	51.3	76.7	88.0	30.4		

Acronym		Surrogate	QC Limits
NO2BZD5	=	Nitrobenzene-d5	35.8-128
PH246BR	=	2,4,6-Tribromophenol	17.2-124.3
PH2F	=	2-Fluorophenol	26-112.5
PHEN2F	=	2-Fluorobiphenyl	37.9-119.5
PHEND14	=	4-Terphenyl-d14	33.2-135.5
PHENOLD6	=	Phenol-d6	11.1-103.6

*** Surrogate recovery outside acceptance limits**

American Analytical Laboratories, Inc.

Date: *29-Jul-03*

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **PWB071703** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1492** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/18/2003** SeqNo: **26703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.10									
4,4´-DDE	U	0.10									
4,4´-DDT	U	0.10									
Aldrin	U	0.10									
alpha-BHC	U	0.10									
beta-BHC	U	0.10									
Chlordane	U	0.10									
Chlorobenzilate	U	0.10									
DBCP	U	0.10									
delta-BHC	U	0.10									
Dieldrin	U	0.10									
Endosulfan I	U	0.10									
Endosulfan II	U	0.10									
Endosulfan sulfate	U	0.10									
Endrin	U	0.10									
Endrin aldehyde	U	0.10									
Endrin ketone	U	0.10									
gamma-BHC	U	0.10									
Heptachlor	U	0.10									
Heptachlor epoxide	U	0.10									
Hexachlorobenzene	U	0.10									
Hexachlorocyclopentadiene	U	0.10									
Isodrin	U	0.10									
Methoxychlor	U	0.10									
Toxaphene	U	1.0									

Sample ID: **PWB071803** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/21/2003** SeqNo: **26709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **PWB071803** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/21/2003** SeqNo: **26709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	U	0.10									
4,4´-DDE	U	0.10									
4,4´-DDT	U	0.10									
Aldrin	U	0.10									
alpha-BHC	U	0.10									
beta-BHC	U	0.10									
Chlordane	U	0.10									
Chlorobenzilate	U	0.10									
DBCP	U	0.10									
delta-BHC	U	0.10									
Dieldrin	U	0.10									
Endosulfan I	U	0.10									
Endosulfan II	U	0.10									
Endosulfan sulfate	U	0.10									
Endrin	U	0.10									
Endrin aldehyde	U	0.10									
Endrin ketone	U	0.10									
gamma-BHC	U	0.10									
Heptachlor	U	0.10									
Heptachlor epoxide	U	0.10									
Hexachlorobenzene	U	0.10									
Hexachlorocyclopentadiene	U	0.10									
Isodrin	U	0.10									
Methoxychlor	U	0.10									
Toxaphene	U	1.0									

Sample ID: **MSB071803** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.487	0.10	0.5	0	97.4	69	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MSB071803** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **ZZZZZ** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	0.105	0.10	0.2	0	52.5	66	128	0	0		S
Dieldrin	0.469	0.10	0.5	0	93.8	67	126	0	0		
Endrin	0.502	0.10	0.5	0	100	72	124	0	0		
gamma-BHC	0.183	0.10	0.2	0	91.5	68	122	0	0		
Heptachlor	0.156	0.10	0.2	0	78	64	130	0	0		

Sample ID: **0307061-09BMS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **MW14** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.454	0.10	0.5	0	90.8	69	130	0	0		
Aldrin	0.093	0.10	0.2	0	46.5	66	128	0	0		JS
Dieldrin	0.428	0.10	0.5	0	85.6	67	126	0	0		
Endrin	0.545	0.10	0.5	0	109	72	124	0	0		
gamma-BHC	0.169	0.10	0.2	0	84.5	68	122	0	0		
Heptachlor	0.148	0.10	0.2	0	74	64	130	0	0		

Sample ID: **0307061-09BMSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718C**
Client ID: **MW14** Batch ID: **1507** TestNo: **SW8081B** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.488	0.10	0.5	0	97.6	69	130	0.454	7.22	20	
Aldrin	0.097	0.10	0.2	0	48.5	66	128	0.093	0	20	JS
Dieldrin	0.46	0.10	0.5	0	92	67	126	0.428	7.21	20	
Endrin	0.573	0.10	0.5	0	115	72	124	0.545	5.01	20	
gamma-BHC	0.191	0.10	0.2	0	95.5	68	122	0.169	12.2	20	
Heptachlor	0.158	0.10	0.2	0	79	64	130	0.148	6.54	20	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **PWB071703** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **ZZZZZ** Batch ID: **1491** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/18/2003** SeqNo: **26568**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	1.0									
Aroclor 1221	U	1.0									
Aroclor 1232	U	1.0									
Aroclor 1242	U	1.0									
Aroclor 1248	U	1.0									
Aroclor 1254	U	1.0									
Aroclor 1260	U	1.0									

Sample ID: **PWB071803** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **ZZZZZ** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/21/2003** SeqNo: **26574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	1.0									
Aroclor 1221	U	1.0									
Aroclor 1232	U	1.0									
Aroclor 1242	U	1.0									
Aroclor 1248	U	1.0									
Aroclor 1254	U	1.0									
Aroclor 1260	U	1.0									

Sample ID: **MSB071803** SampType: **LCS** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **ZZZZZ** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26587**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.267	1.0	5	0	85.3	59	122	0	0		
Aroclor 1260	3.835	1.0	5	0	76.7	57	121	0	0		

Sample ID: **0307061-07BMS** SampType: **MS** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **MW12** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **0307061-07BMS** SampType: **MS** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **MW12** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.227	1.0	5	0	84.5	59	122	0	0		
Aroclor 1260	4.118	1.0	5	0	82.4	57	121	0	0		

Sample ID: **0307061-07BMSD** SampType: **MSD** TestCode: **8082_W** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM QU_030718B**
Client ID: **MW12** Batch ID: **1506** TestNo: **SW8082A** **(SW3510B)** Analysis Date: **7/22/2003** SeqNo: **26589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.17	1.0	5	0	83.4	59	122	4.227	1.36	20	
Aroclor 1260	4.108	1.0	5	0	82.2	57	121	4.118	0.243	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071703** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/17/2003** SeqNo: **26213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Chlorophenol	U	5.0	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Methylphenol	U	5.0	0	0	0	0	0	0	0		
2-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
2-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
3,3´-Dichlorobenzidine	U	5.0	0	0	0	0	0	0	0		
3+4-Methylphenol	U	5.0	0	0	0	0	0	0	0		
3-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Chloroaniline	U	5.0	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
Acenaphthene	U	5.0	0	0	0	0	0	0	0		
Acenaphthylene	U	5.0	0	0	0	0	0	0	0		
Aniline	U	5.0	0	0	0	0	0	0	0		
Anthracene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071703** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D (SW3510)** Analysis Date: **7/17/2003** SeqNo: **26213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Azobenzene	U	5.0	0	0	0	0	0	0	0		
Benzidine	U	5.0	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	5.0	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	5.0	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	5.0	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzoic acid	U	5.0	0	0	0	0	0	0	0		
Benzyl alcohol	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	5.0	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	5.0	0	0	0	0	0	0	0		
Carbazole	U	5.0	0	0	0	0	0	0	0		
Chrysene	U	5.0	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	5.0	0	0	0	0	0	0	0		
Dibenzofuran	U	5.0	0	0	0	0	0	0	0		
Diethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Dimethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	5.0	0	0	0	0	0	0	0		
Fluoranthene	U	5.0	0	0	0	0	0	0	0		
Fluorene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobenzene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	5.0	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	5.0	0	0	0	0	0	0	0		
Hexachloroethane	U	5.0	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	5.0	0	0	0	0	0	0	0		
Isophorone	U	5.0	0	0	0	0	0	0	0		
Naphthalene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071703** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/17/2003** SeqNo: **26213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	5.0	0	0	0	0	0	0	0		
Pentachlorophenol	U	5.0	0	0	0	0	0	0	0		
Phenanthrene	U	5.0	0	0	0	0	0	0	0		
Phenol	U	5.0	0	0	0	0	0	0	0		
Pyrene	U	5.0	0	0	0	0	0	0	0		
Pyridine	U	5.0	0	0	0	0	0	0	0		

Sample ID: **SWB071803** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1509** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/18/2003** SeqNo: **26221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,2-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,3-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
1,4-Dichlorobenzene	U	5.0	0	0	0	0	0	0	0		
2,4,5-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4,6-Trichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dichlorophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dimethylphenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrophenol	U	5.0	0	0	0	0	0	0	0		
2,4-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2,6-Dinitrotoluene	U	5.0	0	0	0	0	0	0	0		
2-Chloronaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Chlorophenol	U	5.0	0	0	0	0	0	0	0		
2-Methylnaphthalene	U	5.0	0	0	0	0	0	0	0		
2-Methylphenol	U	5.0	0	0	0	0	0	0	0		
2-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
2-Nitrophenol	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071803** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1509** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/18/2003** SeqNo: **26221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	U	5.0	0	0	0	0	0	0	0		
3+4-Methylphenol	U	5.0	0	0	0	0	0	0	0		
3-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4,6-Dinitro-2-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Bromophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Chloro-3-methylphenol	U	5.0	0	0	0	0	0	0	0		
4-Chloroaniline	U	5.0	0	0	0	0	0	0	0		
4-Chlorophenyl phenyl ether	U	5.0	0	0	0	0	0	0	0		
4-Nitroaniline	U	5.0	0	0	0	0	0	0	0		
4-Nitrophenol	U	5.0	0	0	0	0	0	0	0		
Acenaphthene	U	5.0	0	0	0	0	0	0	0		
Acenaphthylene	U	5.0	0	0	0	0	0	0	0		
Aniline	U	5.0	0	0	0	0	0	0	0		
Anthracene	U	5.0	0	0	0	0	0	0	0		
Azobenzene	U	5.0	0	0	0	0	0	0	0		
Benzidine	U	5.0	0	0	0	0	0	0	0		
Benzo(a)anthracene	U	5.0	0	0	0	0	0	0	0		
Benzo(a)pyrene	U	5.0	0	0	0	0	0	0	0		
Benzo(b)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzo(g,h,i)perylene	U	5.0	0	0	0	0	0	0	0		
Benzo(k)fluoranthene	U	5.0	0	0	0	0	0	0	0		
Benzoic acid	U	5.0	0	0	0	0	0	0	0		
Benzyl alcohol	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethoxy)methane	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroethyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-chloroisopropyl)ether	U	5.0	0	0	0	0	0	0	0		
Bis(2-ethylhexyl)phthalate	U	5.0	0	0	0	0	0	0	0		
Butyl benzyl phthalate	U	5.0	0	0	0	0	0	0	0		
Carbazole	U	5.0	0	0	0	0	0	0	0		
Chrysene	U	5.0	0	0	0	0	0	0	0		
Dibenzo(a,h)anthracene	U	5.0	0	0	0	0	0	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **SWB071803** SampType: **MBLK** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/18/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1509** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/18/2003** SeqNo: **26221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	U	5.0	0	0	0	0	0	0	0		
Diethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Dimethyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-butyl phthalate	U	5.0	0	0	0	0	0	0	0		
Di-n-octyl phthalate	U	5.0	0	0	0	0	0	0	0		
Fluoranthene	U	5.0	0	0	0	0	0	0	0		
Fluorene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobenzene	U	5.0	0	0	0	0	0	0	0		
Hexachlorobutadiene	U	5.0	0	0	0	0	0	0	0		
Hexachlorocyclopentadiene	U	5.0	0	0	0	0	0	0	0		
Hexachloroethane	U	5.0	0	0	0	0	0	0	0		
Indeno(1,2,3-c,d)pyrene	U	5.0	0	0	0	0	0	0	0		
Isophorone	U	5.0	0	0	0	0	0	0	0		
Naphthalene	U	5.0	0	0	0	0	0	0	0		
Nitrobenzene	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodimethylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodi-n-propylamine	U	5.0	0	0	0	0	0	0	0		
N-Nitrosodiphenylamine	U	5.0	0	0	0	0	0	0	0		
Pentachlorophenol	U	5.0	0	0	0	0	0	0	0		
Phenanthrene	U	5.0	0	0	0	0	0	0	0		
Phenol	U	5.0	0	0	0	0	0	0	0		
Pyrene	U	5.0	0	0	0	0	0	0	0		
Pyridine	U	5.0	0	0	0	0	0	0	0		

Sample ID: **LCS071703** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D** **(SW3510)** Analysis Date: **7/17/2003** SeqNo: **26214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	12.67	5.0	20	0	63.4	53	123	0	0		
1,4-Dichlorobenzene	12.8	5.0	20	0	64	38	136	0	0		
2,4-Dinitrotoluene	9.31	5.0	20	0	46.6	40	119	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_w

Sample ID: **LCS071703** SampType: **LCS** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D (SW3510)** Analysis Date: **7/17/2003** SeqNo: **26214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	14.4	5.0	20	0	72	46	128	0	0		
4-Chloro-3-methylphenol	13.86	5.0	20	0	69.3	30.8	107	0	0		
4-Nitrophenol	4.2	5.0	20	0	21	5	107	0	0		J
Acenaphthene	13.22	5.0	20	0	66.1	52	125	0	0		
N-Nitrosodi-n-propylamine	14.76	5.0	20	0	73.8	35	142	0	0		
Pentachlorophenol	6.85	5.0	20	0	34.3	18	126	0	0		
Phenol	6.45	5.0	20	0	32.2	5	110	0	0		
Pyrene	16.95	5.0	20	0	84.8	42	134	0	0		

Sample ID: **LCSD071703** SampType: **LCSD** TestCode: **8270_w** Units: **µg/L** Prep Date: **7/17/2003** Run ID: **SYSTEM T_030717C**
Client ID: **ZZZZZ** Batch ID: **1493** TestNo: **SW8270D (SW3510)** Analysis Date: **7/17/2003** SeqNo: **26215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	12.72	5.0	20	0	63.6	53	123	0	0		
1,4-Dichlorobenzene	11.3	5.0	20	0	56.5	38	136	0	0		
2,4-Dinitrotoluene	9.2	5.0	20	0	46	40	119	0	0		
2-Chlorophenol	12.99	5.0	20	0	65	46	128	0	0		
4-Chloro-3-methylphenol	14.44	5.0	20	0	72.2	30.8	107	0	0		
4-Nitrophenol	4.22	5.0	20	0	21.1	5	107	0	0		J
Acenaphthene	13.19	5.0	20	0	66	52	125	0	0		
N-Nitrosodi-n-propylamine	13.37	5.0	20	0	66.8	35	142	0	0		
Pentachlorophenol	4.54	5.0	20	0	22.7	18	126	0	0		J
Phenol	6.63	5.0	20	0	33.2	5	110	0	0		
Pyrene	17.33	5.0	20	0	86.7	42	134	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071703** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	1.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	1.0									
Acetone	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071703** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	U	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071703** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	U	1.0									
n-Butyl acetate	U	1.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	1.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									

Sample ID: **VBLK071803B** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/19/2003** SeqNo: **26105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071803B** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/19/2003** SeqNo: **26105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	1.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	1.0									
Acetone	U	1.0									
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071803B** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/19/2003** SeqNo: **26105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	1.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK071803B** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/19/2003** SeqNo: **26105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	1.0									
Toluene	19.46	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									

Sample ID: **VBLK072103** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/21/2003** SeqNo: **26117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK072103** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/21/2003** SeqNo: **26117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	1.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	1.0									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	1.0									
Acetone	U	1.0									
Acrolein	U	1.0									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK072103** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/21/2003** SeqNo: **26117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	1.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	1.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	1.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	1.0									
tert-Butylbenzene	U	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK072103** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/21/2003** SeqNo: **26117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	U	1.0									
Toluene	29.16	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									

Sample ID: **LCS071703** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **ZZZZZ** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	56	1.0	50	0	112	64.1	129	0	0		
Benzene	58.88	1.0	50	0	118	60.3	135	0	0		
Chlorobenzene	51.5	1.0	50	0	103	75.1	136	0	0		
Toluene	54.54	1.0	50	29.16	50.8	69	129	0	0		S
Trichloroethene	51.35	1.0	50	0	103	65.6	131	0	0		

Sample ID: **0307061-01A MS** SampType: **MS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **MW6** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26101**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	50.54	1.0	50	0	101	64.1	129	0	0		
Benzene	57.04	1.0	50	0	114	60.3	135	0	0		
Chlorobenzene	52.69	1.0	50	0	105	75.1	136	0	0		
Toluene	53.96	1.0	50	0	108	69	129	0	0		
Trichloroethene	51.84	1.0	50	0	104	65.6	131	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **0307061-01A MSD** SampType: **MSD** TestCode: **Full8260_W** Units: **µg/L** Prep Date: Run ID: **SYSTEM Y_030718A**
Client ID: **MW6** Batch ID: **R3303** TestNo: **SW8260B** Analysis Date: **7/18/2003** SeqNo: **26102**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	47.85	1.0	50	0	95.7	64.1	129	50.54	5.47	20	
Benzene	55.09	1.0	50	0	110	60.3	135	57.04	3.48	20	
Chlorobenzene	51.16	1.0	50	0	102	75.1	136	52.69	2.95	20	
Toluene	51.79	1.0	50	0	104	69	129	53.96	4.10	20	
Trichloroethene	49.61	1.0	50	0	99.2	65.6	131	51.84	4.40	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: AKRF, Inc
Work Order: 0307061
Project: Greenpoint Lumber Yard Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: ICP_TAL_W

Sample ID: **MB072303C** SampType: **MBLK** TestCode: **ICP_TAL_W** Units: **mg/L** Prep Date: Run ID: **ICP A_030723B**
Client ID: **ZZZZZ** Batch ID: **R3336** TestNo: **SW6010B** Analysis Date: **7/23/2003** SeqNo: **26470**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0250									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0200									
Chromium	U	0.0200									
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.0700									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Environmental Design Report: Materials Investigations at the East River Sludge Storage Tank and New Sludge Force Main Route, April 2007, prepared by Greeley & Hansen, Hazen & Sawyer, and Malcolm Pirnie.

APPENDIX E

Draft Environmental Design Report

Bureau of Engineering
Design & Construction

Capital Project No. WP-283

Newtown Creek Water Pollution Control Project Upgrading of Facilities

ENVIRONMENTAL DESIGN REPORT – MATERIALS INVESTIGATIONS AT THE EAST RIVER SLUDGE STORAGE TANK AND NEW SLUDGE FORCE MAIN ROUTE

April 2007

GREELEY AND HANSEN + HAZEN AND SAWYER + MALCOLM PIRNIE
A Joint Venture

NEWTOWN CREEK WATER POLLUTION CONTROL PROJECT
UPGRADING OF FACILITIES

ENVIRONMENTAL DESIGN REPORT:

MATERIALS INVESTIGATIONS AT THE EAST RIVER SLUDGE STORAGE TANK AND NEW SLUDGE FORCE MAIN ROUTE

Prepared For:

NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL ENGINEERING

Capital Project No. WP-283

April 2007

ENVIRONMENTAL DESIGN REPORT
April 2007

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LIST OF APPENDICES

A Asbestos Inspection Report

B Lead Paint Inspection Report

LIST OF ACRONYMS

ACM	Asbestos-containing Material
ACBM	Asbestos-containing Building Material
ATSDR	Agency for Toxic Substances and Disease Registry
CGI	Combustible Gas Indicator
C&D	Construction and Demolition
DRO	Diesel Range Organics
ELAP	Environmental Laboratory Approval Program
EPA	Environmental Protection Agency
GRO	Gasoline Range Organics
HASP	Health and Safety Plan
HUD	Housing and Urban Development
IDW	Investigation Derived Waste
JV	Joint Venture
MPI	Malcolm Pirnie, Inc.
MRCE	Mueser Rutledge Consulting Engineers
NESHAP	National Emission Standards for Hazardous Air Pollutants
NIST	National Institute of Standards and Technology
NOB	Non-friable Organically Bound
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
OD	Outside Diameter
PAH	Polycyclic Aromatic Hydrocarbons
PID	Photo Ionization Detector
PCB	Polychlorinated Bi-phenyls
PPE	Personal Protective Equipment
PLM	Polarized Light Microscopy
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
STARS	Spill Technology and Remediation Series
SRM	Standard Reference Material
SVOC	Semi-Volatile Organic Contaminant
TAGM	Technical Administrative Guidance Memorandum
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TDH	Total Dynamic Head
TEM	Transmission Electron Microscopy
TPH	Total Petroleum Hydrocarbons
TSCA	Toxic Substances Control Act
ULURP	Uniform Land Use Review Procedure
UST	Underground Storage Tank
VOC	Volatile Organic Contaminant
WPCP	Water Pollution Control Plant
XRF	X-Ray Fluorescence

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EXECUTIVE SUMMARY

The Newtown Creek Water Pollution Control Plant (WPCP) is being upgraded to meet the wastewater treatment standards of the Clean Water Act pursuant to a 1995 modified judgement on consent between the City of New York and the State of New York. The facility currently occupies a 36-acre site in the heavily industrialized Greenpoint area of Brooklyn. Facility upgrading will require construction of additional wastewater treatment facilities to provide secondary treatment and nitrogen removal, and improve the plant's ability to handle combined sanitary and storm flows in wet weather (EIS NYCDEP, 1996).

For the upgrade, sludge will be barged directly from Newtown Creek WPCP via a new sludge loading dock located at the DSNY Greenpoint Marine Transfer Station (MTS) Site.

Additional elements, under Contract NC-50, include construction of a new double Sludge Force Main, purchase of a new sludge barge and tug or transport vessel, and off-site demolition of the East River Sludge Storage Tank.

Proposed construction of these elements will require demolition of buildings and structures, and excavation and disposal of on-site soils in various areas. Hazardous materials located within these buildings will be identified and mitigated prior to demolition or disturbance of existing structures in accordance with Federal, State, and local regulations. Additionally, chemical compounds present in the subsurface at these sites may result in special disposal requirements for excavated soils. The Environmental Design Report will evaluate the potential environmental concerns associated with the presence of hazardous materials including:

- Asbestos-containing Materials
- Lead-containing Materials, e.g., lead-based paint
- PCBs in Paint
- Contaminated Soil

During the Asbestos Survey of the East River Sludge Storage Tank, asbestos-containing bulk material identified included Millboard Pipe Insulation - approximately 100 square feet. According to EPA/NESHAP and New York State regulations, all friable and non-friable asbestos containing material (ACM) that might become friable must be removed prior to any demolition and/or renovation activity that may disturb ACM or preclude access to the ACM for subsequent removal.

During the Lead Survey of the East River Sludge Storage Tank, a total of 44 XRF readings were collected with 7 readings indicating the presence of lead-based paint at or above the 0.5 percent by weight (or 1.0 milligram per square centimeter) classification level. This action level is established by the Department of Housing and Urban Development (HUD) in Chapter 7 of the *HUD Guidelines for the Evaluation and Control*

of Lead-based Paint Hazards in Housing (1997 Revision). All XRF shots that tested positive for lead (greater than or equal to the Department of Housing and Urban Development (HUD) action level of 1.0 mg/cm^2) were located in the Pump Room. These positive components included the following: a metal motor, a metal pump, metal piping (including an 18" pipe), an 18" metal valve, and a metal pipe support.

During the Lead Survey of the DSNY Greenpoint MTS Site, a total of four paint chip samples were collected and analyzed for lead with lead being detected in all four samples. Results ranged from 70.8 to 13,700 mg/kg. According to HUD, lead-based paint is present if lead levels exceed 5,000 mg/kg. One sample, collected from an orange cleat, exceeded the HUD standard.

During the PCB-In-Paint Survey of the East River Sludge Storage Tank, a total of nine paint chip samples were collected and analyzed for PCBs. PCBs were detected in all nine samples and there was one exceedance of Toxic Substances Control Act (TSCA) standards (50 mg/kg). This exceedance (120.0 mg/kg) was sampled from the light blue metal door casing in the storage room.

During the PCB-In-Paint Survey of the DSNY Greenpoint MTS Site, a total of four paint chips were collected from railings, piping, and cleats along Whale Creek Canal. PCBs were detected but did not exceed HUD standards. Ten paint chip samples were collected from the MTS building, and were positive for PCBs; however, the HUD standard was not exceeded.

During the geoprobe soil investigation at the East River Sludge Storage Tank, a total of four discrete samples and four composite samples were collected. Samples were analyzed for TCLP VOCs, SVOCs, and metals. There were no exceedences of the RCRA TCLP limits in any of the samples.

In 1997, a 1,000-gallon capacity No. 2 fuel oil UST, located southeast of the East River Sludge Storage Tank, was abandoned in place by filling with sand in accordance with all New York City Fire Department regulations. All associated tank piping was removed. Visible signs of petroleum contamination or odor were not observed during tank closure proceedings.

Soil samples collected at the East River Sludge Loading Dock and along the lumbar yard easement contained SVOCs at levels that exceeded the concentration limits in TAGM and STARS. DRO and GRO were also detected; however, there are no cleanup criteria for either of these compounds. Test pit samples collected at the East River Sludge Loading Dock contained SVOCs at levels that exceeded the concentration limits in TAGM and STARS. These soils, when excavated, would be classified as non-hazardous industrial waste or non-hazardous petroleum-contaminated waste.

Soil samples collected at the DSNY Greenpoint MTS Site, along Whale Creek Canal, contained Metals at levels that exceeded the concentration limits in TAGM. DRO was also detected. SVOCs were detected at levels below TAGM. VOCs were non-detect.

These soils, when excavated, would be classified as non-hazardous industrial waste or non-hazardous petroleum-contaminated waste.

Dust suppression activities should be implemented during construction to reduce inhalation risks. Site workers should be directed to use gloves and appropriate PPE such as coveralls to reduce dermal contact risks. Planned excavations should be continuously monitored for hazardous atmospheres.

In general, the Contractor is responsible for controlling visible dust caused by work operations and the moving of vehicles and equipment. The Contractor will implement dust control when soils are exposed, before, during, and after the work activity ceases. The Contractor's air monitoring operations and dust minimization activities will be in accordance with his site-specific health and safety plan (HASP). All contract work involving lead and/or PCBs shall be performed to minimize the creation of airborne dust; minimize the quantity of hazardous waste generated; protect the health and welfare of all site personnel and the public; and avoid adverse environmental impacts.

The Contractor shall control and minimize noise caused by operation and movement of vehicles and equipment to the greatest degree practicable. Noise levels shall conform to the latest OSHA standards, and all other applicable Federal, State and local regulations.

1.0 INTRODUCTION

1.1 REPORT STRUCTURE

This Environmental Design Report presents the East River Sludge Storage Tank site history, results of field investigations performed at the East River Sludge Storage Tank in 2000, results of field investigations performed along the new Sludge Force Main Route in 2006, including laboratory analyses, and conclusions and recommendations regarding Plant Upgrading demolition and construction activities. The report is structured as follows:

- Section 1, Introduction, provides project background information and a description of the work.
- Section 2, Site Description, presents site locations, histories, and a description of existing facilities at the sites.
- Section 3, Surveying and Sampling, describes the methods used to sample potential lead-containing paint, potential PCB-containing paint, potential asbestos-containing material (ACM), and soil. The number of samples collected and field observations are also discussed in this section.
- Section 4, Analytical Results and Findings, describes the results of paint, potential ACM and soil sample analyses.
- Section 5, Hazardous Materials Impacts to Construction Activities, evaluates findings and presents recommendations for potential remediation measures during demolition and construction activities.

1.2 PROJECT BACKGROUND

As part of the resolution for the approval of the Uniform Land Use Review Procedure (ULURP) process undertaken for land acquisition and usage, NYCDEP will demolish the East River Sludge Storage Tank. With the demolition of the tank and the expected increase in sludge production due to implementation of the upgraded treatment processes, the existing 18-inch force main from the Newtown Creek WPCP to the East River Sludge Loading Dock will not be capable of handling the sludge load. Sludge will be barged directly from Newtown Creek WPCP via a new sludge loading dock located at the DSNY Greenpoint Marine Transfer Station (MTS) Site.

Additional elements for the Newtown Creek Water Pollution Control Plant (WPCP) Upgrade, under Contract NC-50, include construction of a new double Sludge Force Main, and purchase of a new sludge barge and tug or transport vessel.

1.3 PROJECT STRUCTURE

An assessment of environmental concerns related to construction activities was initiated, specifically lead-containing paint, PCB-containing paint, asbestos, and potentially contaminated soils. The purpose of the assessment is to provide information regarding potential environmental concerns associated with construction and/or demolition activities for inclusion in the contract documents for the contractor's information and appropriate response. Results of the investigations are presented in this report and are used to conduct a preliminary evaluation of measures for worker safety during construction and/or demolition, and disposal options for demolition debris and excavated material.

2.0 SITE DESCRIPTION AND BACKGROUND

2.1 LOCATION

The East River Sludge Storage Tank is located approximately half a mile west of the Newtown Creek WPCP at the intersection of Dupont Street, Commercial Street, and West Street. The East River Sludge Loading Dock is located directly west of the Sludge Storage Tank along the East River and adjacent to the mouth of Newtown Creek where it flows into the East River. . The locations of these existing structures are shown in Figure 2-1. The new Sludge Force Main, at the DSNY Greenpoint MTS site, is located adjacent to the Newtown Creek WPCP along Whale Creek Canal and Newtown Creek.

2.2 SITE HISTORY

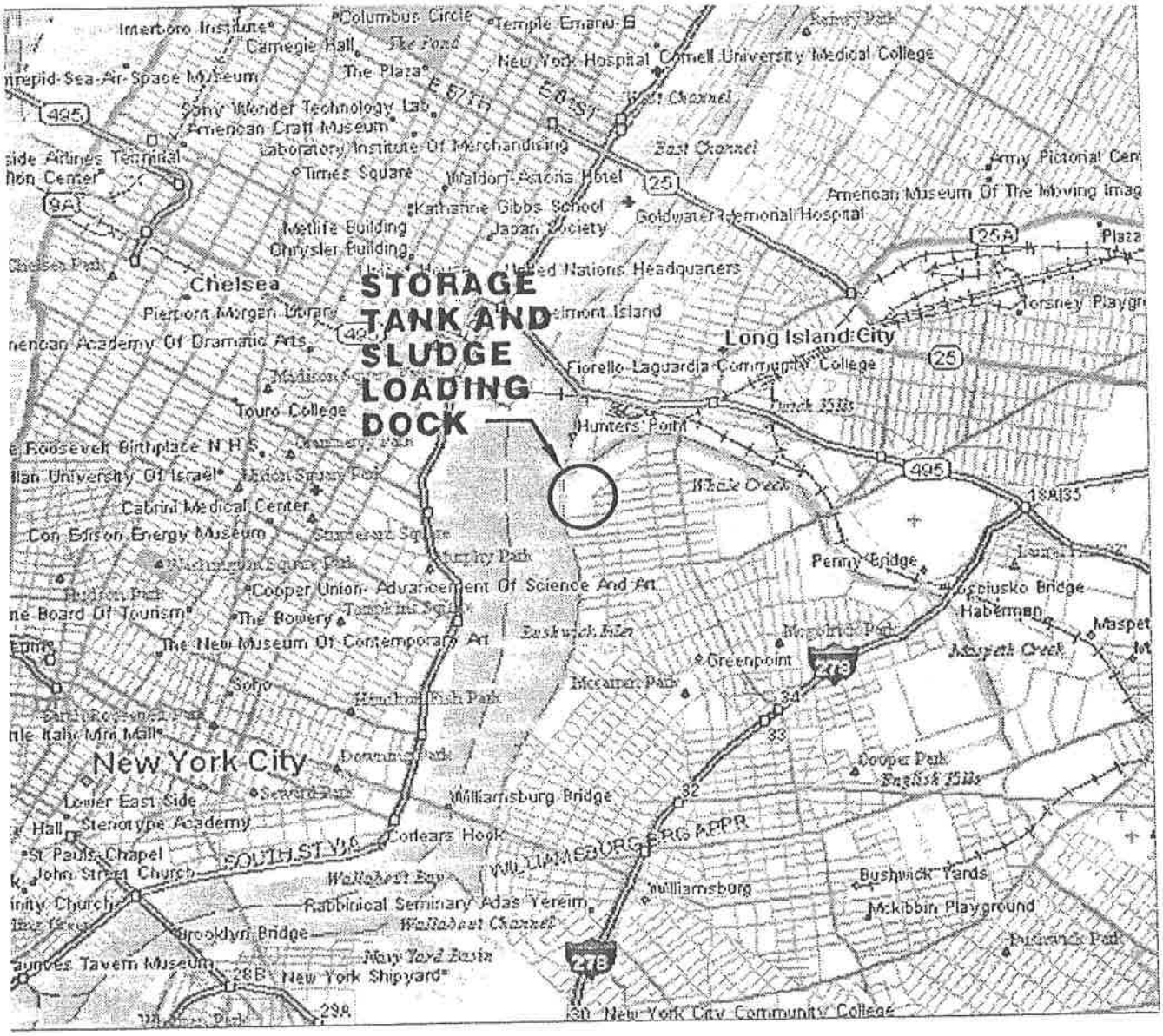
2.2.1 East River Sludge Storage Tank

As shown in Figure 2-1, the East River Sludge Storage Tank is located approximately three quarters of a mile west of the Newtown Creek WPCP at the intersection of Dupont Street, Commercial Street, and West Street on a 90-by-100 foot fenced-in site. The height of the concrete tank is approximately 60 feet above grade, and the tank has a storage capacity of approximately 800,000 gallons, with a diameter of 80 feet. An enclosed area directly beneath the tank bottom is used to house the sludge pump, piping, valving, miscellaneous support equipment, electrical equipment storage rooms, and an area for maintenance.

2.2.2 East River Sludge Loading Dock

The East River Sludge Loading Dock is used to moor sludge vessels that receive sludge from the Newtown Creek WPCP. Sludge from the Newtown Creek WPCP is pumped from the plant to the vessel loading facility at the dock through the existing 18-inch diameter sludge force main. The existing 18-inch force main leaves the Newtown Creek WPCP on the northwest plant boundary, at the corner of Provost and Green Streets. The force main then travels north on Provost Street to Freeman Street; west on Freeman Street to Franklin Street; north on Franklin Street to Dupont Street; and west on Dupont Street to the East River Sludge Storage Tank. From the tank, an 18-inch gravity line runs west-northwest to the East River Sludge Loading Dock (via a permanent easement through the lumberyard. Vessels transport the sludge to a dewatering plant at the Hunts Point WPCP for processing.

The East River Sludge Loading Dock was constructed in 1966 and is approximately 20 feet wide by 730 feet long. The dock is a concrete structure with a steel and timber fendering system for berthing the transport vessels. The northern 266 feet and the southern 240 feet sections of the dock are relieving platforms with concrete deck on corrugated steel deck. The middle 225 feet section of the dock consists of a tremie-filled



NOTE:

BASE MAP INFORMATION BASED ON DELORME STREET ATLAS 7.0 COMPUTER PROGRAM.

GREELEY AND HANSEN ◆ HAZEN AND SAWYER ◆ MALCOLM PIRNIE	DEP	CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF ENVIRONMENTAL ENGINEERING WP-283 NEWTOWN CREEK WPCP UPGRADING OF FACILITIES	STORAGE TANK AND SLUDGE LOADING DOCK SITE LOCATION PLAN SCALE: 1"=4,000'	MARCH, 2001 FIGURE 2-1

area of concrete from top of dock to mudline. The top 3.25 feet of the piles are encased in concrete. A retractable fender system is provided for the entire length of the dock.

As part of the Newtown Creek WPCP upgrade program, the structural condition of the dock was investigated in December 1996. The investigation revealed that the dock requires significant structural rehabilitation to maintain a service life consistent with the upgraded Newtown Creek WPCP.

The East River Sludge Loading Dock is located on property owned by the New York City Department of Business. However, the property has been leased to a private lumber exchange terminal on a long-term business agreement. Permanent easements on the property include the area occupied by the dock and an access corridor to the dock from the Sludge Storage Tank and the nearest city street.

2.2.3 Newtown Creek Sludge Loading Facility

The DEP is proposing to construct a new sludge loading facility on the DSNY Greenpoint MTS site along Whale Creek Canal. The DSNY Greenpoint MTS site, which includes an MTS facility that was used as a marine solid waste management facility and a storage building, is currently inactive. The DSNY Greenpoint storage building is used as a storage facility.

With the approval of DSNY's New York City Comprehensive Solid Waste Management Plan (SWMP) in July 2006, DSNY no longer requires the Greenpoint MTS facility for marine solid waste management and transport. As a result, DSNY has released the use of the MTS site for DEP use. DEP would utilize the MTS building for boat storage and office space and the waterfront periphery of the site for development of the proposed sludge loading facility and access roads.

The proposed sludge loading facility would include a new sludge loading dock and new sludge force mains adjacent to the DSNY Greenpoint MTS site along Whale Creek Canal. The proposed sludge loading facility along Whale Creek Canal would service the Newtown Creek WPCP and would be referred to as the Newtown Creek sludge loading facility. The proposed Newtown Creek sludge loading facility would enable sludge to be pumped from the existing sludge storage tanks at Newtown Creek WPCP to the proposed Newtown Creek sludge loading facility for marine transport by barge to the dewatering facility at Wards Island WPCP.

2.3 INVENTORY OF POTENTIAL AREAS OF CONCERN

Potential areas of concern at these sites include the following:

- Asbestos-containing Material
- Lead-containing Paint
- PCB-containing Paint

- Soil Contamination
- UST

3.0 SURVEYING AND SAMPLING

3.1 ASBESTOS SURVEY AND SAMPLING

3.1.1 East River Sludge Storage Tank

An asbestos survey subcontractor, Donohoe Environmental, Inc., conducted an asbestos survey at the East River Sludge Storage Tank. This survey was performed in June 2000.

The survey was performed according to the Environmental Protection Agency recommended procedures found in EPA 560/5-85-024, NYS Industrial Code Rule 56-1.9 (a-e), and NYC Title 15. These procedures call for the visual inspection of the building for suspect ACM and analysis of representative samples of such materials. In addition to the required visual inspection at the East River Sludge Storage Tank, fiberglass insulated systems were penetrated to determine the substrate in several locations.

All accessible areas were inspected for three basic types of asbestos used in building materials:

- **Surfacing Material** that is sprayed-on, troweled on or otherwise applied to surfaces, such as acoustical plaster on ceilings, fireproofing materials on structural members, or other materials for acoustical, fireproofing or decorative purposes.
- **Thermal System Insulation** applied to pipes, fittings, boilers, breaching, tanks, ducts, or other structural components to prevent heat loss or gain, water condensation, or for other purposes.
- **Miscellaneous ACBM** means building materials on structural components, structural members or fixtures such as floor and ceiling tile, transite wall panels, transite pipe, roofing shingles, roof flashing and many other materials that are exclusive of surfacing or thermal insulation.

With the exception of the fiberglass insulated systems at the East River Sludge Storage Tank, only exposed materials have been sampled and identified. There is a possibility that ACBM is still located within walls, floors, ceilings, and utility chases that were not visible or accessible. In most cases, materials were assumed to be present (i.e., Aircell pipe in pipe chases) when it was not visible or visible on only one floor.

Survey information was collected by means of visual inspection, interviews, sample collection, and sample analysis. A total of 3 samples were collected for asbestos analysis at the East River Sludge Storage Tank.

3.1.1.1 Methodology

Samples were collected using the following protocol:

1. Prior to sampling, the inspectors inventoried suspect ACM and recorded the location, description, and quantity of suspect materials.
2. Suspect materials were then grouped according to functional spaces (spatially distinct units within a building, i.e., an office or a corridor) and homogenous sampling areas (ACM which is uniform in texture and color and appears identical) to determine sample locations and quantity.
3. In general, a minimum of three samples (full depth core samples) were collected for each suspect material identified. However, depending on the size of the sampling area and the inspector's discretion, up to 9 samples may be collected from each functional space/sampling area.

Samples were analyzed using polarized light microscopy (PLM) in accordance with EPA Method 40 CFR 763, subpart F, App A. This is the recommended EPA method for determining the presence of asbestos in building materials, such as pipe and boiler insulation, acoustical coatings, spray-on fireproofing, plasters, ceiling tiles, and floor tiles. The PLM procedure involves taking a small amount of the suspect material, isolating the fibers present, and identifying them based on the crystalline properties observed. In addition, non-asbestos fibrous materials can also be identified including glass, mineral wool, cellulose, gypsum, and synthetic fibers. The results of the analysis are reported as a percentage of the total sample. The PLM method is sensitive to concentrations of asbestos down to 1%.

Non-friable, organically bound (NOB) material (floor tiles, roofing, mastic flashing) determined to be negative for asbestos by PLM analysis are considered positive by the NYS Environmental Laboratory Approval Program until proven negative by transmission electron microscopy (TEM) – (NYS ELAP Protocols 198.1/198.4). Therefore, TEM analysis was performed on all NOB materials where no asbestos was detected using PLM. The method of analysis is AHERA Method 40 CFR Part 763, May 30, 1987.

3.2 LEAD-BASED PAINT SURVEY AND SAMPLING

3.2.1 East River Sludge Storage Tank

A lead-based paint survey was conducted at the East River Sludge Storage Tank in June 2000 by Mandell Lead Inspectors, Inc. to evaluate the presence of lead-based paint on structures and components. The results of the lead-based paint survey can be used to determine where demolition activities will require compliance with OSHA's Lead in Construction Standard, and are also pertinent to

the selection of an appropriate disposal site for demolition debris with painted surfaces.

The survey included all accessible areas, but did not include those areas where exploratory demolition would have been needed, such as within walls, soffits and enclosures. Therefore, this inspection does not guarantee that all painted surfaces within the facility were tested for lead paint, and it should not be used as a specification for abatement.

An X-Ray Fluorescence (XRF) Lead-in-Paint detector was used as a lead-based paint-screening tool. No paint chip samples were taken due to the fact that none of the XRF readings were inconclusive.

3.2.1.1 Methodology

3.2.1.1.1 XRF

The XRF screening was performed by Mandell Lead Inspectors, Inc. and was used to delineate painted areas that contain lead at concentrations greater than the NYC Health Code and Department of Housing and Urban Development (HUD) action level of 1.0 mg/cm^2. The survey was conducted on painted surfaces (walls, ceilings, doors, doorframes, railings, etc.) including those that are stained, shellacked, varnished, or coated to assess existing conditions.

Each XRF measurement consisted of one reading made on the painted surface at each test location. Before beginning the testing, the recommended nominal open-shutter time (or nominal time) was determined. Based on the 1997 revision of the Department of Housing and Urban Development (HUD) guidelines, one XRF reading was taken at each testing combination. This reading was taken according to the manufacturer's instructions.

The following standard operating procedure was used for the survey:

1. Prior to the beginning of testing, the XRF instrument manufacturer's recommended warm-up and quality control procedures were followed and quality control readings (i.e., calibration checks) were taken.
2. A set of three nominal-time calibration check readings were taken before testing began, every four hours thereafter, and at the end of the testing. The calibration check reading averages should not differ from the Standard Reference Material (SRM) paint film, or equivalent, developed by the National Institute of Standards and Technology (NIST) by more than the calibration check tolerance specified by the manufacturer for the specific instrument used.
3. The results were recorded on a Calibration Check Form.
4. The average of the three calibration check readings was computed and recorded. Note: If the initial calibration readings fall outside the

specifications, testing shall not begin until the instrument is fixed and the calibration check reading averages fall within the calibration check tolerance range. For an instrument that fails a continuing calibration check, all readings taken since the last successful calibration check shall be repeated.

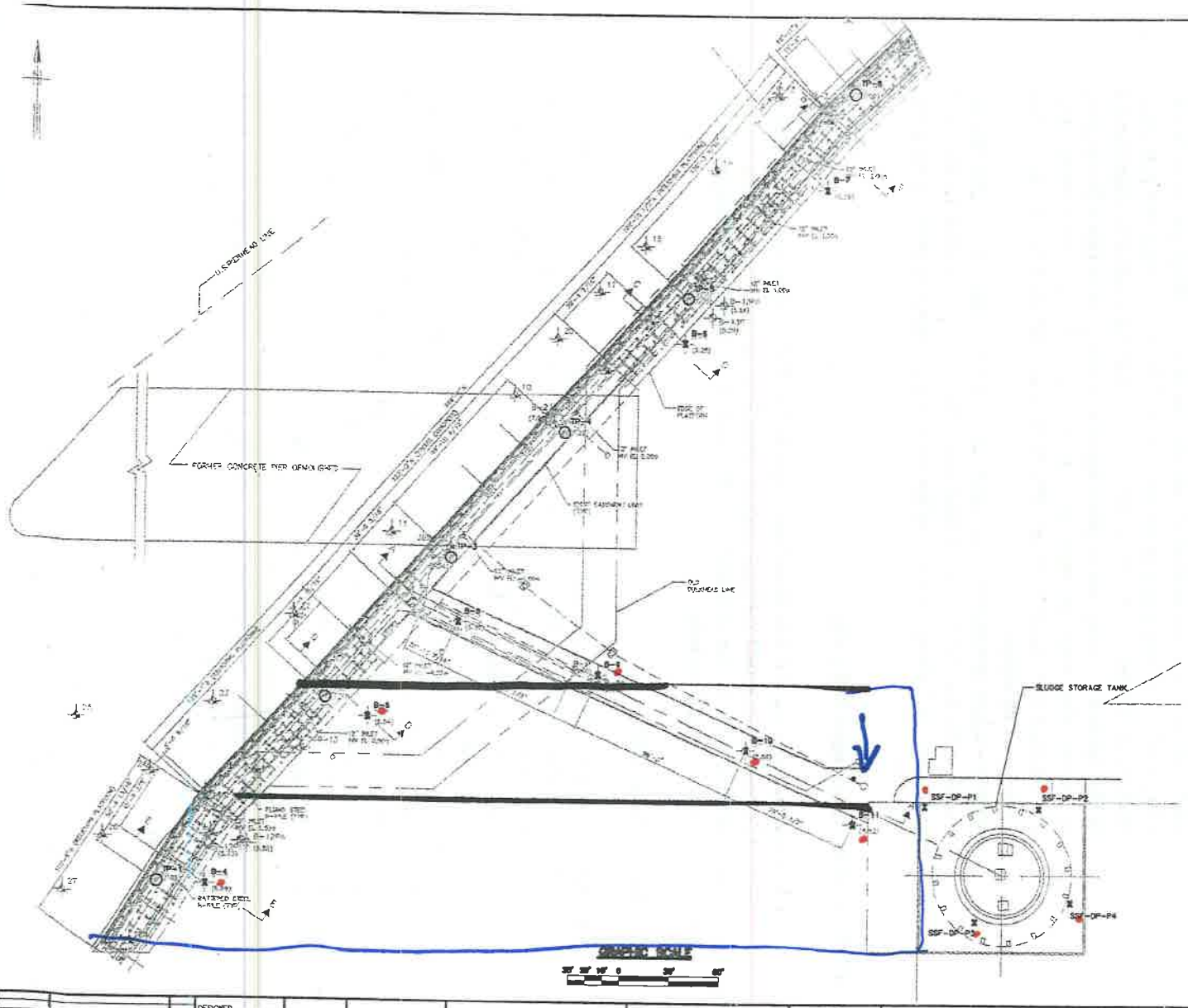
5. The XRF probe faceplate was pressed flat against the surface of the test location.
6. Each location was marked on the environmental drawings and recorded in a logbook. Test locations were not selected in areas where the paint was thickest or thinnest (e.g., in corners, where there are obvious depressions in the painted surface, where paint has obviously been scraped in the past, or where the paint is thin or worn). Mandell Lead Inspectors, Inc. coordinated with Joint Venture (JV) field oversight staff in selecting paint surfaces to be tested.
7. Mandell Lead Inspectors, Inc. indicated components that could not be tested with the XRF or that had inconclusive XRF results to JV field oversight staff (Note: no inconclusive readings were obtained during the survey).

3.2.2 DSNY Greenpoint MTS Site

A lead-based paint survey was also conducted at the DSNY property in November 2006. The survey included railings, piping and cleats along Whale Creek Canal, on the western side of the property. A total of four paint chip samples were collected and analyzed for lead.

3.2.2.1 Methodology

1. Sampling locations are chosen based on a visible inspection of the area. In general, only paints that cover a substantial square footage of wall/floor/component space are sampled. The Malcolm Pirnie field team determines which painted surfaces should be sampled.
2. A paint scraper (with a disposable blade) is used to remove all layers of paint down to the substrate at each selected sample location. The paint chips are collected on clean sheets of aluminum foil, which are used to transfer the chips into laboratory-certified, pre-cleaned, glass sample containers.
3. Each time a sample is collected, a new piece of aluminum foil and a new pair of disposable nitrile gloves are used to prevent cross-contamination. In addition, a new paint scraper blade is used at each sample location.
4. Each sample container is labeled with a unique sample number, and all pertinent data (*e.g.*, substrate, component, and sample location) is recorded in a field logbook and on drawings.
5. Paint chip samples are analyzed for total lead (EPA test method SW846-6010B).



LEGEND

B-6 ENVIRONMENTAL BORING LOCATION

TP-2 TEST PIT LOCATION

NOTE:
BACKGROUND INFORMATION TAKEN FROM FINAL GEOTECHNICAL DATA REPORT – CONTRACT 33, EAST RIVER SLUDGE LOADING DOCK, BROOKLYN, NEW YORK BY MUESER RUTLEDGE CONSULTING ENGINEERS, DECEMBER 2000.

NO.	DATE	ISSUED FOR	BY

DESIGNED ____
DRAWN ____
CHECKED ____
PROJ. ENGR. ____

SCALE

GREELEY AND HANSEN
&
HAZEN AND SAWYER
&
MALCOLM PIRNIE

APPROVED FOR THE CITY OF NEW YORK
____ P.E.
PROJECT MANAGER
____ P.E.
CHIEF, FACILITIES DESIGN – SOUTH

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL ENGINEERING
WP-283 NEWTOWN CREEK WPCP
UPGRADING OF FACILITIES

ENVIRONMENTAL BORING MAP FOR
LOADING DOCK,
STORAGE TANK TEST PITS
SCALE: 1"=30'-0"

DATE: MARCH, 2001
DWG. NO.: FIGURE 3-1
SHEET NO.: ____ OF ____
FILE NAME:

TABLE 3-2
NEWTOWN CREEK WPCP UPGRADE
EAST RIVER SLUDGE LOADING DOCK ENVIRONMENTAL BORING PROGRAM

Boring No.	Total Depth	Boring Location	No. of Samples		Composite Sampling Intervals	Discrete Sampling
			Composite	Discrete		
B-4	63	15-20 feet from Dock	2	1	0-10,10-25	10-15
B-5	65	15-20 feet from Dock	2	1	0-10,10-25	0-5
B-6	60.5	15-20 feet from Dock	2	1	0-10,10-25	10-15
B-7	67.5	15-20 feet from Dock	2	1	0-10,10-25	5-10
B-8	55	Along Sludge Line Easemen	2	1	0-10,10-25	15-20
B-9	73	Along Sludge Line Easemen	2	1	0-10,10-25	5-10
B-10	60	Along Sludge Line Easemen	2	1	0-10,10-25	5-10
B-11	59	Along Sludge Line Easemen	2	1	0-10,10-25	10-15

Notes:
1. A total of 16 Composite Samples were collected.

2. A total of 8 Discrete Samples were collected.

3.2.3 Marine Transfer Station

At the Marine Transfer Station (MTS) located on the DSNY property, one bulk sample was collected and sampled for TCLP VOCs, SVOCs, Metals, PCBs and RCRA Characteristics. The material sampled was glazed yellow ceramic block.

3.3 PCB-IN-PAINT SURVEY AND SAMPLING

3.3.1 East River Sludge Storage Tank

A PCB in paint survey was conducted at the Sludge Storage Tank in October 2006 to evaluate the presence of PCBs in paint. The survey included all accessible areas, but did not include those areas where exploratory demolition would have been needed, such as within walls, soffits, and enclosures. A total of nine paint chips were collected and analyzed for PCBs.

3.3.1.1 Methology

1. Sampling locations are chosen based on a visible inspection of the area. In general, only paints that cover a substantial square footage of wall/floor/component space are sampled. The Malcolm Pirnie field team determines which painted surfaces should be sampled.
2. A paint scraper (with a disposable blade) is used to remove all layers of paint down to the substrate at each selected sample location. The paint chips are collected on clean sheets of aluminum foil, which are used to transfer the chips into laboratory-certified, pre-cleaned, glass sample containers.
3. Each time a sample is collected, a new piece of aluminum foil and a new pair of disposable nitrile gloves are used to prevent cross-contamination. In addition, a new paint scraper blade is used at each sample location.
4. Each sample container is labeled with a unique sample number, and all pertinent data (*e.g.*, substrate, component, and sample location) is recorded in a field logbook and on drawings.
5. Paint chip samples are analyzed for total PCBs (EPA test method SW846-8082).

3.3.2 DSNY Greenpoint MTS Site

A PCB in paint survey was conducted at the DSNY property in November 2006. The survey included railings, piping, and cleats along Whale Creek Canal, on the western side of the property. A total of four paint chip samples were collected and analyzed for PCBs.

TABLE 3-1
NEWTOWN CREEK WPCP UPGRADE
EAST RIVER SLUDGE STORAGE TANK ENVIRONMENTAL GEOPROBE PROGRAM

Boring No.	Total Depth	Boring Location	No. of Samples		Composite Sampling Intervals	Discrete Sampling
			Composite	Discrete		
DP-P1	12	Southwest side of Tank	1	1	0-12	4-8
DP-P2	16	Northwest side of Tank	1	1	0-16	4-8
DP-P3	12	Northeast side of Tank	1	1	0-12	4-8
DP-P4	9	Southeast side of Tank	1	1	0-9	8-9

3.3.3 Marine Transfer Station

A PCB in paint survey was conducted at the MTS located on the DSNY property in December 2006. A total of ten paint chips were collected and sampled for PCBs. Materials sampled include red concrete columns, gray metal walls and beams, gray concrete walls, red metal railings and stair risers, red piping and a yellow metal cleat

3.4 ENVIRONMENTAL SUBSURFACE INVESTIGATION

3.4.1 East River Sludge Storage Tank

3.4.1.1 Geoprobe Investgation

Environmental soil borings were advanced at the East River Sludge Storage Tank on September 25, 2000. Joint Venture (JV) personnel collected environmental soil samples from 4 boring locations in the area around the perimeter of the storage tank. These locations were identfied as DP-P1, DP-P2, DP-P3, and DP-P4. MPI personnel conducted air monitoring for personnel health and safety. Air monitoring was conducted by JV personnel to detect Volatile Organic Compounds (VOCs) and combustible gases. All borings were advanced by Geoprobe direct push drilling techniques.

Two environmental soil samples were collected from each of the 4 boring locations: one composite and one discrete. The locations and depths of the environmental soil samples are summarized in Table 3-1. Boring locations are shown on Figure 3-1.

The soil samples were analyzed by Chemtech. The composite samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) semi-volatile compounds (SVOCs) and metals. The discrete samples were analyzed for TCLP VOCs. Sample results are presented in Section 4. One field blank and one field duplicate were analyzed with the samples for quality assurance/quality control (QA/QC) purposes. Field screening of each depth interval for volatile organic contamination was conducted using a 10.6 eV photo ionization detector (PID).

To prevent the possibility of cross-contamination between boreholes, the drilling rig and all drilling accessories were thoroughly decontaminated prior to arrival on-site and between all drilling locations. A pressurized steam cleaner was used for decontamination activities. Split-spoon samplers were decontaminated between sampling intervals at the same borehole. Two-inch outside diameter (OD) split-spoon samplers were used along with acetate liners throughout the drilling program.

3.4.2 East River Sludge Loading Dock

3.4.2.1 Soil Borings

Geotechnical and environmental soil borings were advanced at the Sludge Loading Dock and lumberyard easement, located between the dock and the east river sludge storage tank, between September 7 and September 20, 2000. Mueser Rutledge Consulting Engineers, Inc. (MRCE) collected and classified soil samples from eleven boring locations during the geotechnical boring program. MRCE also collected and classified bedrock cores from eleven locations during this time. These locations were designated B-1 to B-11. JV personnel were present during the geotechnical borings to conduct air monitoring for personnel health and safety. The air monitoring was conducted to detect VOCs and combustible gases. All borings were advanced by mud rotary techniques.

Environmental soil sampling was conducted at eight of the eleven locations (B-4 thru B-11). Environmental soil samples were collected from each of the eight boring locations: two composite samples and one discrete sample. The locations and depths of the environmental soil samples are summarized in Table 3-2. Boring locations are shown on the previous figure, Figure 3-1.

The composite samples were collected from each boring to evaluate the disposal characteristics of the entire interval expected to require excavation while containing laboratory costs.

Discrete samples were collected to investigate for potential contamination at specific depth intervals. The intervals for discrete sampling were selected based on field observations (odor or staining) and PID screening results. Field screening of each depth interval for VOCs was conducted using a 10.6 eV PID.

The soil samples were analyzed by Chemtech. The composite samples were analyzed for Full RCRA Characteristics, including ignitability, corrosivity, and reactivity; full Toxicity Characteristic Leaching Procedure (TCLP) for VOCs, SVOCs, metals, pesticides, and herbicides; total petroleum hydrocarbons (TPH) – gasoline range organics (GRO) and diesel range organics (DRO); and polychlorinated bi-phenyls (PCBs). The discrete samples were analyzed for Target Compound List (TCL) VOCs and TCL SVOCs. Sample results are presented in Section 4. Two field blanks and two field duplicates were analyzed with the samples for quality assurance/quality control (QA/QC) purposes. Field blanks are samples collected from a final rinse of sampling equipment with deionized demonstrated analyte-free water after the decontamination procedure has been performed. The purpose of the field blank is to determine whether the sampling equipment is causing cross-contamination of samples. A field duplicate is a co-located grab sample that equally represents a medium at a given time and location.

NEWTOWN CREEK WPCP UPGRADE
EAST RIVER SLUDGE STORAGE TANK AND LOADING DOCK
BORING PROGRAM

TABLE 3-3
SOIL SAMPLING PARAMETERS, METHODS, CONTAINERS AND PRESERVATION

FRACTION	METHOD	CONTAINER	PRESERVATION
TCL Volatiles +10	SW-846 8260B	(1) 4-ounce widemouth jar	$< 4^{o}$ C
TCL Semivolatiles + 20 PCB's	SW-846 8270C SW-846 8082	(1) 4-ounce widemouth jar	$< 4^{o}$ C
TCLP VOCs TCLP SVOCs, Pest, Herb, Metals, Ignitability, Corrosivity, Reactivity (Sulfide & Cyanide)	SW-846 1311/8260B SW-846 1311/8260B, SW-846 1311/8270C, SW-846 1311/8081A, SW-846 8151A, SW-846 6010B/7471A, Ch. 7, SW-846	(1) 4-ounce widemouth jar (1) 8-ounce widemouth jar	$< 4^{o}$ C
TPH - GRO	SW - 846 8015B	(1) 4-ounce widemouth jar	$< 4^{o}$ C
TPH - DRO	SW-846 8015B	(1) 4-ounce widemouth jar	$< 4^{o}$ C

To prevent the possibility of cross-contamination between boreholes, the drilling rig and all drilling accessories were thoroughly decontaminated prior to arrival on-site and between all drilling locations. A pressurized steam cleaner was used for decontamination activities. Split-spoon samplers were decontaminated between sampling intervals at the same borehole. Three-inch OD split-spoon samplers were used throughout the drilling program.

3.4.2.2 Test Pits

Test pit excavations were conducted at the Sludge Loading Dock between September 7 and November 13, 2000. A total of six test pits were excavated along the existing bulkhead and were designated TP-1 to TP-6, and are also shown in previous figure, Figure 3-1. Each test pit was approximately 4 feet wide by 4 feet long by 3.5-6.5 feet deep. The test pits were excavated with a small backhoe and by hand with shovels to the top of the concrete relieving platform, where depths were measured to obtain platform elevations. JV personnel were present during the test pit excavations to conduct air monitoring for personnel health and safety. The air monitoring was conducted to detect VOCs and combustible gases.

One composite sample was collected from each test pit to evaluate the disposal characteristics of the entire interval expected to require excavation while containing laboratory costs.

The soil samples were analyzed by Chemtech. The composite samples were analyzed for Full RCRA Characteristics, including ignitability, corrosivity, and reactivity; full TCLP for VOCs, SVOCs, metals, pesticides, and herbicides; TPH – GRO and DRO; and PCBs. The discrete samples were analyzed for TCL VOCs and TCL SVOCs. Sample results are presented in Section 4.

3.4.3 DSNY Greenpoint MTS Site

Geotechnical and environmental soil borings were advanced along the proposed route of the new Sludge Force Main in 2005. Thirty-six soil samples were collected from 12 soil borings in April and June 2005, as part of the *Newtown Creek WPCP – Phase II Hazardous Materials Analysis, August 2005 report*, for the proposed NYCDEP Nature Walk Project. The data for the soil borings collected along Kingsland Avenue and Whale Creek Canal are being used to represent general soils conditions in the vicinity of the existing sludge force main and near the proposed sludge force main.

The six soil borings installed along Kingsland Avenue were 15 feet deep and the 6 soil borings along Whale Creek Canal were only 7 feet deep due to the presence of submerged materials, type unknown. Two discrete and two composite soil samples were collected from each 15-foot core. One discrete and one composite sample were collected from each 7 foot deep boring. Discrete soil samples for

TCL VOCs analysis were selected from an area with the highest PID readings within the fill and native soil zones, where available, and also analyzed for TCL SVOCs and TAL Metals. Composite soil samples were collected from within the 0 to 10 foot zone and within the 10 to 15 foot zone in each core, when possible, and analyzed for TCLP (VOCs, SVOCs, Pesticides, Herbicides, Metals), PCBs, Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO), Total Petroleum Hydrocarbons-Gasoline Range Organics (TPH-GRO), and RCRA Characteristics (Corrosivity, Ignitablity, and Reactivity (Sulphur and Cyanide) . Groundwater was encountered at an average of 8 feet bgs at the boring locations.

3.4.4 Environmental Soil Sampling Procedures

3.4.4.1 Startup and Mobilization: Work was carried out in Level D, which includes coveralls or suitable work clothes, latex gloves (during sampling activities), boots (steel toe and shank), safety glasses and hardhat.

3.4.4.2 Analytical Parameters: Parameters analyzed are provided in Table 3-3. The analytical laboratory followed "Test Methods for Evaluating Solid Waste" SW-846 analytical protocols.

3.4.4.3 Sample Bottles: Sample containers used, described in Table 3-3, arrived on-site within one day of laboratory preparation. Sample containers were laboratory cleaned, pre-preserved and sealed with the appropriate documentation. Following sample collection, samples were placed in a thermal chest containing ice packs to ensure a temperature of 4° Celsius. Samples were protected from breakage by the use of appropriate packing material. Samples were shipped to the laboratory using overnight delivery services.

3.4.4.4 Soil Sample Identification: Environmental soil samples were collected during the geotechnical boring program, and sample location ID's were designated accordingly, e.g., B-1, B-2, etc.

3.4.4.5 Soil Sampling Methodology: Environmental soil samples were collected as follows:

- Plastic sheeting was laid out along with sampling equipment, sampling containers and documentation forms.
- Monitoring equipment was field calibrated prior to the start of the day's activities. The PID was used to monitor ambient air quality and screen soil samples for the presence of VOCs. All screening results were recorded in the field logbook. The Workers' breathing zone was also monitored for VOCs. A Combustible Gas Indicator (CGI) was used to monitor for gases.
- For all analytical parameters (except VOCs), a sample aliquot was collected from each split spoon and placed in a stainless steel bowl. The aliquots were

homogenized to create a composite sample to represent a specified composite interval (example: 0 to 10 feet) using a trowel and bowl. A sufficient sample was then placed into a sample container. The sampling container was then placed in a cooler at $4^{O}C$ and held for laboratory analysis.

- **VOC Analyses:** Prior to homogenization, an aliquot for VOC analysis was taken directly from the split spoon, packed tightly into pre-cleaned sample container without mixing and with the aid of a stainless steel tool. The sampling containers were then placed in a cooler at $4^{O}C$ and held for laboratory analysis.

- **Homogenization:** The following procedure was used to homogenize composite soil samples: The soil sample was placed into a decontaminated, stainless steel bowl, and thoroughly mixed using a decontaminated stainless steel spoon. The soil in the bowl was scraped from the sides and bottom of the bowl, rolled to the middle of the bowl and initially mixed. The sample was then quartered and moved to the four corners of the bowl. Each quarter of the sample was mixed individually and then rolled to the center of the bowl and the entire sample mixed again. The sample was then transferred to the appropriate sample containers.

- **Equipment Decontamination Procedures:** To reduce the possibility of cross-contamination between sample locations, all tools and accessories were thoroughly decontaminated prior to arrival on-site. Tools and accessories were also decontaminated between each sampling location. The sampling equipment was decontaminated as follows:
  - Rinse with potable water
  - Wash thoroughly with non-phosphate, laboratory-grade detergent (Alconox or equivalent) in clean tap water
  - Rinse with tap water
  - Rinse with distilled or deionized water
  - Wipe with Hexane
  - Rinse with demonstrated analyte-free water
  - Wipe with Isopropyl alcohol
  - Rinse with demonstrated analyte-free water
  - Rinse with 10% Nitric Acid (HNO3)
  - Rinse with demonstrated analyte-free water
  - Air dry
  - Wrap in aluminum foil until next use.

- **Control and Disposal of Contaminated Materials:** Drill cuttings from sampling activities, considered contaminated, were collected and stored on-site pending characterization and disposal. Each sampling location was returned to natural grade and condition. Drill cuttings and drilling fluids were stored in 55-gallon drums and staged on pallets at an appropriate location pending waste classification and disposal. Decontamination wastes,

consisting of spent alconox/tap water solution and soil residues, were drummed in NYSDOT-approved 55-gallon drums and staged on pallets at an appropriate location pending waste classification and disposal. All investigation-derived waste (IDW) except that from boring location M-1014 was subsequently disposed of as non-hazardous, non-RCRA petroleum-contaminated water and non-hazardous, non-RCRA petroleum-contaminated solids.

- **Personal Protective Equipment (PPE):** Although Level D protection was anticipated to be used during the field investigation, some disposable personal protective equipment (PPE) was necessary, e.g., latex gloves. Diligent efforts were made to minimize contaminated PPE in order to dispose of it as non-hazardous material. Every attempt was made to remove surface contamination so that PPE (e.g., gloves, and other disposable items) could be disposed of as ordinary trash.

- **Sample Documentation and Chain of Custody:** Sample custody during the field investigations was completed in two phases. The first phase encompassed sample collection, packaging, and field custody procedures. The second custody phase involved sample shipment, method of shipment, airbill numbers, and date and time documentation. Both phases of sample custody were conducted to provide that:
  - All samples were uniquely identified
  - The correct samples were tested and traceable to their source
  - Vital sample characteristics were preserved
  - Samples were protected from loss or damage
  - A record of sample custody and integrity was established and maintained through the entire custody process.

- **Field Documentation:** A bound field logbook was maintained to record daily activities. Entries were made in indelible ink and the pages consecutively numbered. Incorrect entries were corrected by a single stroke through the error and were verified with the recorder's initials and date of correction. Entries to the logbook included:
  - Date
  - Start and finish times
  - Summary of work performed (including samples collected)
  - Names of personnel present
  - Names of visitors
  - Weather
  - Calibration of equipment
  - Observations and remarks

  The following information was recorded in the field log book at the time of sampling:
  - Sample designation

- Name of sampler
- Method of collection
- Time and date of sampling
- Type of sample
- Analyses
- Field measurements and calibration (if applicable)
- Soil type and/or observed conditions which may impact the chemistry of the sample.

- **Field Custody Procedures:** All samples collected from the site were identified with a sample label and recorded on a chain-of-custody form. Indelible ink was used to complete sample labels, then labels were covered with clear plastic waterproof tape.

- **Sample Labels**: Sample labels were required to include the following information:
  - Site Name
  - Sample Number
  - Sample Matrix
  - Parameters to be Analyzed
  - Date of Collection
  - Time of Collection
  - Type of Preservation
  - Sampler(s) Name

- **Sampling Numbering:** A unique sample number was used to identify each sample. The sample identification scheme used is as follows:

  The **Soil Boring** samples at the sludge storage tank were labeled as follows: SSF/DP-P1/4-8/102600:

SSF:	Sludge Storage Facility
DP-P1:	Direct push soil sample, sample location ID
4-8:	The depth interval (in feet) from which the sample was collected
MMDDYY:	Date of Sampling

  The **Soil Boring** samples collected at the sludge loading dock were labeled as follows:
  B-4/E-01/0-10/102600:

B-4:	Sample location ID
E-01:	An environmental soil sample, sample 01 from that location

0-10:	The depth interval (in feet) from which the sample was collected
MMDDYY:	Date of Sampling

Fieldblank: FB-01/MMDDYY

- **Chain–of-Custody Record:** The chain-of-custody provides an accurate written record that can be used to trace the possession and handling of the sample from the time of collection to analysis. The chain-of-custody form was completed for each sample at the time of collection and was maintained while shipping the sample to the laboratory. The following information was entered on the chain of custody form:
  - Project number - the alpha-numeric designation that uniquely identifies the project site (e.g., 2439-062)
  - Project name – Sludge Storage Tank, Newtown Creek WPCP; Sludge Loading Dock, Newtown Creek WPCP,
  - Signature of sampler(s)
  - Sample number - the sample identification number for each sample in the shipment
  - Date - a six-digit number indicating the month, day and year of sample collection (MM/DD/YY, e.g., 08/10/00)
  - Time - a four digit number indicating the time of collection based on the 24-hour clock (e.g., 1300)
  - Sample matrix - the matrix (e.g., soil or aqueous) of the sample
  - Parameters for analysis - the analyses to be performed for each sample
  - Remarks - any appropriate remark, as necessary.

- **Sample Shipment:** Custody of samples was maintained through the shipment of samples to the selected laboratory. Samples were in the custody of JV personnel until relinquished directly to the laboratory by sampling personnel or shipped via the following procedures:
  - Coolers were used for shipping making certain the cooler drain (where applicable) was taped shut.
  - About 3 inches of inert cushioning material (i.e., bubble wrap) was placed in the bottom of the cooler.
  - Sample bottles were placed in clear reusable bags keeping the labels visible, and bottles packed in the cooler. To minimize the possibility of breakage, bottles were separated by placing sealed bags of ice on the bottom, top and sides of the samples. The remaining spaces were filled with packing material. Ice was double bagged with the inner zip lock seam at the bottom of the outer zip lock bag.
  - When shipping the samples by common carrier (e.g., Fed Ex), the chain-of-custody under "relinquished by," was signed by JV personnel, the carrier name and airbill tracking number entered under "received by," and a copy retained for field records. The chain-of-custody record was placed in a waterproof plastic "ziplock" bag and affixed with tape to the inside lid

of the cooler.

- Signed custody seals were applied to the front and back of the cooler so the seals bridged the cooler and lid.
- The lid was secured by completely wrapping with strapping tape at either end of the cooler. Completed shipping label was attached to top of the cooler.
- The cooler was shipped by overnight express to the project laboratory: Chemtech

  205 Campus Plaza 1
  Edison NJ 08837
  Project Manager: Curt Hummler
  (732) 225-4111, ext. 103

3.5 UST INVESTIGATION

An underground storage tank (UST) is located at the southeast corner of the East River Sludge Storage Tank site. In 1997, the 1,000-gallon No. 2 fuel oil UST was abandoned in place by the NYCDEP. Due to the non-contiguousness of the Sludge Storage Tank facility and the Newtown Creek WPCP, this tank was not part of the existing Petroleum Bulk Storage Registration. Also, because the total capacity for storage at the East River Sludge Storage facility is less than 1,100 gallons, the tank was not regulated by NYSDEC and did not need to be registered prior to closure.

4.0 ANALYTICAL RESULTS AND FINDINGS

4.1 ASBESTOS SURVEY

Donahoe Environmental, Inc. conducted the analysis of bulk samples collected from the East River Sludge Storage Tank in June of 2000. Analytical results are provided in Table 4-1 and shown on Figure 4-1. Sample analysis was conducted using Polarized Light Microscopy (PLM) in accordance with EPA Method 600/M-4-82-020.

Estimates of quantities and the condition of asbestos-containing materials were made based upon visual inspection of those areas accessed. Samples found to contain more than one percent asbestos are considered Asbestos Containing Materials (ACM) under Federal and State regulations. Appendix A contains the complete Asbestos Inspection Report by Donahoe Environmental, Inc.

ACM identified in the asbestos survey included:

- Millboard Pipe Insulation - approximately 100 square feet.

4.2 LEAD-BASED PAINT SURVEY

4.2.1 East River Sludge Storage Tank

The lead-based paint survey was intended to investigate the Sludge Storage Tank for the presence of lead-based paint prior to demolition work. An X-Ray Fluorescence (XRF) gun was used as a lead-based paint-screening tool.

During the inspection, a total of 44 XRF readings were collected with 7 readings indicating the presence of lead-based paint at or above the 0.5 percent by weight (or 1.0 milligram per square centimeter) classification level. This action level is established by the Department of Housing and Urban Development (HUD) in Chapter 7 of the *HUD Guidelines for the Evaluation and Control of Lead-based Paint Hazards in Housing (1997 Revision).* All XRF shots that tested positive for lead (greater than or equal to 1.0 mg/cm^2) were located in the Pump Room. These positive components included the following: a metal motor, a metal pump, metal piping (including an 18" pipe), an 18" metal valve, and a metal pipe support. Appendix B, which contains the Lead Paint Inspection Report by Mandell, provides more information regarding the inspection, and target areas. The results, description and overall condition of the painted surfaces at these locations are provided in Table 4-2, and Figure 4-2.

The HUD guidelines were established for residential housing with the protection of children as a primary concern. However, the presence of lead paint requires

TABLE 4-1
East River Sludge Storage Tank
Asbestos Survey Results

June 2000

Sample Number	Material Description	Analysis	Asbestos Present	Total % Asbestos
0622TD01	Millboard Pipe Insulation	PLM (1)	YES	1.3% Chrysotile
0622TD02	Millboard Pipe Insulation	PLM (1)	YES	1.3% Chrysotile
0622TD03	Millboard Pipe Insulation	PLM (1)	YES	1.3% Chrysotile

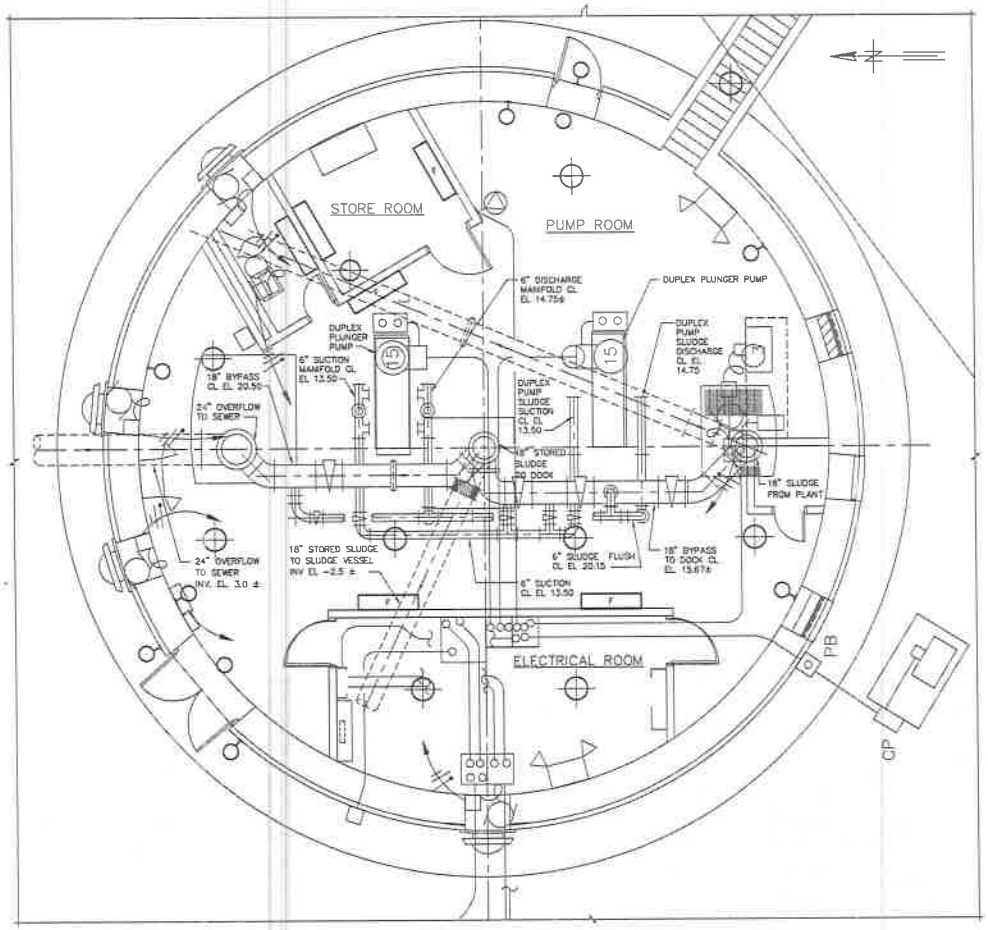
(1)- ELAP 198.1/198.4 for New York Samples

Table 4-2
East River Sludge Storage Tank Lead Paint Survey
XRF Results
June 2000

Sample	Result	Room	Wall	Component	Material	Condition	Color	k_gen	l_gen
1512	Negative	Pump Room	A	Wall	Concrete	Intact	Yellow	-0.25	-0.601
1513	Negative	Pump Room	A	Door	Metal	Intact	Blue	-0.645	0
1514	Negative	Pump Room	A	Door Molding	Metal	Intact	Blue	0.458	0
1515	Negative	Pump Room	A	Wall	Masonry	Intact	Yellow	-1.922	-0.648
1516	**XRF Positive**	**Pump Room**	**A**	**Motor**	**Metal**	**Intact**	**Blue**	**6.121**	**0**
1517	**XRF Positive**	**Pump Room**	**A**	**Pump**	**Metal**	**Fair**	**Blue**	**9.235**	**0**
1518	**XRF Positive**	**Pump Room**	**A**	**Pipe**	**Metal**	**Fair**	**Blue**	**12.496**	**0**
1519	Negative	Pump Room	A	Motor	Metal	Intact	Green	-0.027	0
1520	Negative	Pump Room	A	Pump	Metal	Fair	Gray	-0.413	0
1521	Negative	Pump Room	A	Pump	Metal	Fair	Gray	-0.423	0
1522	Negative	Pump Room	A	Pipe	Metal	Fair	Gray	-0.247	0
1523	**XRF Positive**	**Pump Room**	**D**	**18" Valve**	**Metal**	**Intact**	**Red**	**9.439**	**0**
1524	**XRF Positive**	**Pump Room**	**D**	**18" Pipe**	**Metal**	**Fair**	**Blue**	**6.323**	**0**
1525	**XRF Positive**	**Pump Room**	**D**	**Pipe Support**	**Metal**	**Fair**	**Blue**	**11.33**	**0**
1526	Negative	Pump Room	A	18" Valve	Metal	Intact	Black	-0.692	0
1527	Negative	Pump Room	A	18" Valve	Metal	Intact	Red	-0.071	0
1528	Negative	Pump Room	B	18" Valve	Metal	Intact	Gray	-0.371	0
1529	Negative	Pump Room	B	18" Pipe	Metal	Intact	Black	-0.641	0
1530	Negative	Pump Room	B	18" Valve	Metal	Fair	Blue	-0.192	0
1531	Negative	Pump Room	B	18" Valve	Metal	Intact	Black	-1.216	0
1532	Negative	Pump Room	B	Wall	Concrete	Intact	Yellow	-0.127	-0.11
1533	Negative	Pump Room	C	Wall	Masonry	Intact	Yellow	0.209	-0.235
1534	Negative	Pump Room	D	Wall	Concrete	Intact	Yellow	0.417	-0.246
1535	Negative	Pump Room	C	Pump support	Metal	Poor	Black	-0.334	0
1536	Negative	Pump Room	A	Duct	Metal	Intact	White	0.038	0
1537	Inconclusive	Pump Room	*	Ceiling	Concrete	Intact	White	-0.319	0
1538	Negative	Pump Room	*	Ceiling	Concrete	Intact	White	0.482	-0.392
1539	Negative	Pump Room	*	Ceiling	Concrete	Intact	White	-0.355	-0.551
1540	Negative	Pump Room	*	Floor	Concrete	Poor	Gray	0.436	-0.073
1541	Negative	Pump Room	A	Pump support	Concrete	Fair	Gray	0.412	-0.22
1542	Negative	Pump Room	D	Pipe	Metal	Intact	Blue	0.596	0

Table 4-2
East River Sludge Storage Tank Lead Paint Survey
XRF Results
June 2000

Sample	Result	Room	Wall	Component	Material	Condition	Color	k_gen	l_gen
1543	XRF Positive	Pump Room	D	Pipe	Metal	Fair	Blue	12.735	0
1544	Negative	Electric Room	C	Conduit	Metal	Intact	Green	0.257	0
1545	Negative	Electric Room	C	Elec. Panel	Metal	Fair	Green	0.109	0
1546	Negative	Electric Room	C	Wall	Concrete	Intact	Yellow	0.284	-0.109
1547	Negative	Electric Room	B	Wall	Masonry	Intact	Yellow	0.38	-0.516
1548	Negative	Electric Room	B	Tranformer	Metal	Fair	Blue	0.553	0.306
1549	Negative	Electric Room	*	Floor	Concrete	Fair	Gray	0.628	-0.324
1550	Negative	Electric Room	C	Conduit	Metal	Poor	Green	-0.035	0
1551	Negative	Storage Room	A	Wall	Concrete	Intact	Yellow	0.476	-0.249
1552	Negative	Bathroom	B	Wall	Masonry	Intact	Yellow	0.135	-0.451
1553	Negative	Bathroom	C	Door	Metal	Intact	Blue	0.175	0
1554	Negative	Bathroom	C	Blower	Metal	Fair	Green	-0.686	0
1555	Negative	Bathroom	C	Belt Guard	Metal	Fair	Green	0.13	0



PLAN – FLOOR EL. 11.50
SCALE: 1/4" = 1'-0"
(ALL TO BE REMOVED)

ASBESTOS CONTAINING MATERIALS (ACM) DISPOSAL AND REMOVAL EAST RIVER SLUDGE STORAGE TANK					
Sample Number (See Note 2)	Date Sampled	Material Description	Material Location	Analytical Results (% Asbestos)	Estimated Quantity (See Note 1)
0622TD01 to 0622TD03	June 2000	Millboard Pipe Insulation	Pump Room	1.3% Chrysotile	100 lf

MERCURY CONTAINING MATERIALS DISPOSAL AND REMOVAL (see Notes 3 & 4) EAST RIVER SLUDGE STORAGE TANK		
Location	Material	
	High Intensity Discharge Lamps (HID)	Fluorescent Light Fixtures
	No. of Lamps	No. of Fixtures
East River Sludge Storage Tank	9	3

NOTES:

1. Estimated quantities of asbestos-containing materials (ACM) to be removed are shown for contractor's convenience only. Contractor shall verify existing conditions and quantities in the field. See Specifications for removal and disposal requirements.

2. Non-sampled, suspect ACM should be categorized based on the analytical results of homogenous materials that were sampled in other parts of the East River Sludge Storage Tank.

3. Estimated quantities and locations of mercury containing materials to be removed are shown for contractor's convenience only. Contractor shall verify existing conditions and quantities in the field. See Specifications for removal and disposal requirements.

4. All mercury containing materials to be removed that are not subject to the EPA's Universal Waste Regulations shall be considered hazardous waste. Contractor shall verify existing conditions and quantities in the field.

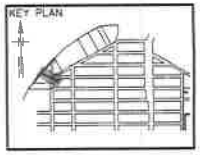
LIGHTING LEGEND:

F – FLUORESCENT FIXTURE
– METAL HALITE FIXTURE
– INCANDESCENT FIXTURE

ABBREVIATIONS:

lf = LINEAR FEET
ACM = ASBESTOS CONTAINING MATERIALS

0 2 6
SCALE: 1/4" = 1'-0"



PLANT UPGRADE

DEMOLITION
EAST RIVER SLUDGE STORAGE TANK
ACM AND MERCURY CONTAINING FIXTURES
FIXTURE LOCATIONS

FIGURE 4–1

consideration in regard to any repainting or demolition debris disposal activities based on the requirements and the OSHA Lead-in-Construction standard.

Of the samples collected at the Sludge Storage Tank, 16% exceeded the NYC Health Code and HUD guideline of 1.0 milligram per square centimeter. The locations of the samples that exceeded the NYC Health Code and HUD guideline are illustrated in Figure 4-2

4.2.2 DSNY Greenpoint MTS Site

Lead was detected in all four samples with results ranged from 70.8 to 13,700 mg/kg. According to HUD, lead-based paint is present if lead levels exceed 5,000 mg/kg. One sample, collected from an orange cleat, exceed the HUD standard. However, any detectable concentration of lead is subject to the requirements of the OSHA Lead in Construction Standard. Analytical results are shown on Figure 4-3.

4.2.3 Marine Transfer Station

There were no detections other than metals (Barium, Cadmium, and Lead); however, the levels did not exceed TCLP standards.

4.3 PCB in PAINT SURVEY

4.3.1 East River Sludge Storage Tank

PCBs were detected in all nine samples and there was one exceedance of Toxic Substances Control Act (TSCA) standards (50 mg/kg). This exceedance (120.0 mg/kg) was sampled from the light blue metal door casing in the storage room. Analytical results are shown on Figure 4-4

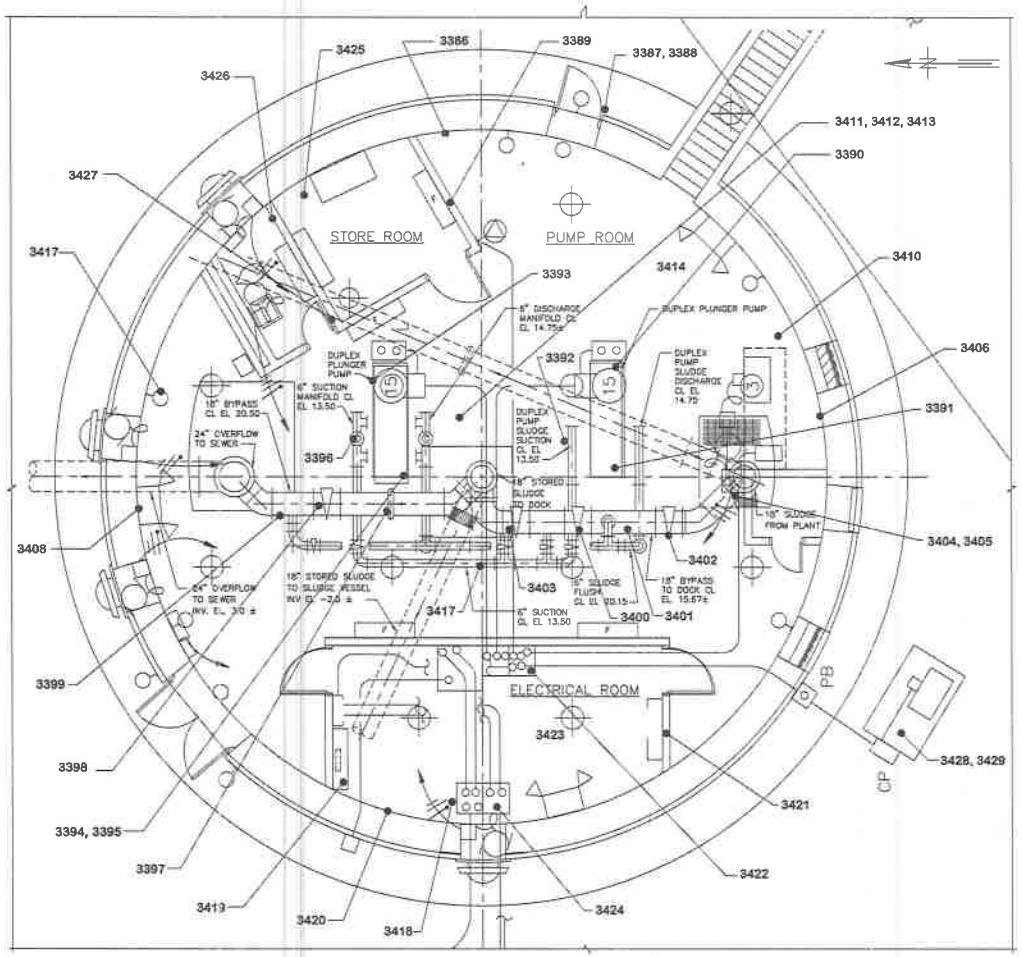
4.3.2 DSNY Greenpoint MTS Site

PCBs were detected (Aroclor 1254: 0076-0.34 mg/kg) but did not exceed TSCA standards. Analytical Results are shown on Figure 4-3.

4.3.3 Marine Transfer Station

Six of the ten samples, collected from red concrete columns, gray metal walls and beams, gray concrete walls, red metal railings and stair risers, red piping and a yellow metal cleat, were positive for PCBs (Aroclor 1254: 0.096-1.200 mg/kg); however levels did not exceed TSCA standards.

4.4 ENVIRONMENTAL SUBSURFACE INVESTIGATION



PLAN – FLOOR EL. 11.50
SCALE: 1/4" = 1'-0"
(ALL TO BE REMOVED)

LEAD-PAINTED MATERIALS DISPOSAL AND REMOVAL (See Note 1)
EAST RIVER SLUDGE STORAGE TANK

XRF Sample Number (See Notes 2 & 3)	Date Sampled	Material Description	Material Location	Analytical Results (mg/cm2)
3386, 3406, 3408, 3420, 3425	June 2000	Concrete Wall (yellow)	Pump Room, Electrical Room, Storage Room	None Detected - 0.476
3387, 3427	June 2000	Metal Door (blue)	Pump Room, Bathroom	None Detected - 0.175
3389	June 2000	Metal Door Molding (blue)	Pump Room	0.456
3389, 3407, 3421, 3428	June 2000	Masonry Wall (yellow)	Pump Room, Electrical Room, Bathroom	None Detected - 0.380
3390	June 2000	Metal Motor (blue)	Pump Room	6.121
3391	June 2000	Metal Pump (blue)	Pump Room	9.235
3392, 3416, 3417	June 2000	Metal Pipe (blue)	Pump Room	0.596 - 12.735
3393	June 2000	Metal Motor (green)	Pump Room	None Detected
3394, 3395	June 2000	Metal Pump (gray)	Pump Room	None Detected
3396	June 2000	Metal Pipe (gray)	Pump Room	None Detected
3397, 3401	June 2000	Metal 18" Valve (red)	Pump Room	None Detected - 9.439
3398	June 2000	Metal 18"Pipe (blue)	Pump Room	6.323
3399	June 2000	Metal Pipe Support (blue)	Pump Room	11.330
3400, 3403, 3405	June 2000	Metal 18" Valve (black)	Pump Room	None Detected
3402	June 2000	Metal 16" Valve (gray)	Pump Room	None Detected
3403	June 2000	Metal 16" Pipe (black)	Pump Room	None Detected
3404	June 2000	Metal 18" Valve (blue)	Pump Room	None Detected
3409	June 2000	Metal Pump Support (black)	Pump Room	None Detected
3410	June 2000	Metal Duct (white)	Pump Room	0.038
3411, 3412, 3413	June 2000	Concrete Ceiling (white)	Pump Room	None Detected - 0.482
3414, 3423	June 2000	Concrete Floor (gray)	Pump Room, Electrical Room	0.436 - 0.628
3415	June 2000	Concrete Pump Support (gray)	Pump Room	0.412
3418, 3424	June 2000	Metal Conduit (green)	Electrical Room	None Detected - 0.257
3419	June 2000	Metal Electrical Panel (green)	Electrical Room	0.109
3422	June 2000	Metal Transformer (blue)	Electrical Room	0.553
3426	June 2000	Metal Blower (green)	Bathroom	None Detected
3429	June 2000	Metal Belt Guard (green)	Bathroom	0.130

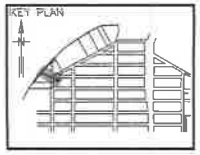
NOTES:

1. Contractor shall remove and dispose of lead paint as necessary to demolish building materials. See Specification for removal and disposal requirements
2. Non-sampled surfaces should be categorized based on the analytical results from homogenous materials that were sampled for lead in other parts of the East River Sludge Storage Tank.
3. Sample numbers 3380, 3381, 3382, 3383, 3384, 3385, 3430, 3431, 3432, 3433, and 3434 were calibration readings

ABBREVIATIONS:

XRF = X-RAY FLUORESCENCE

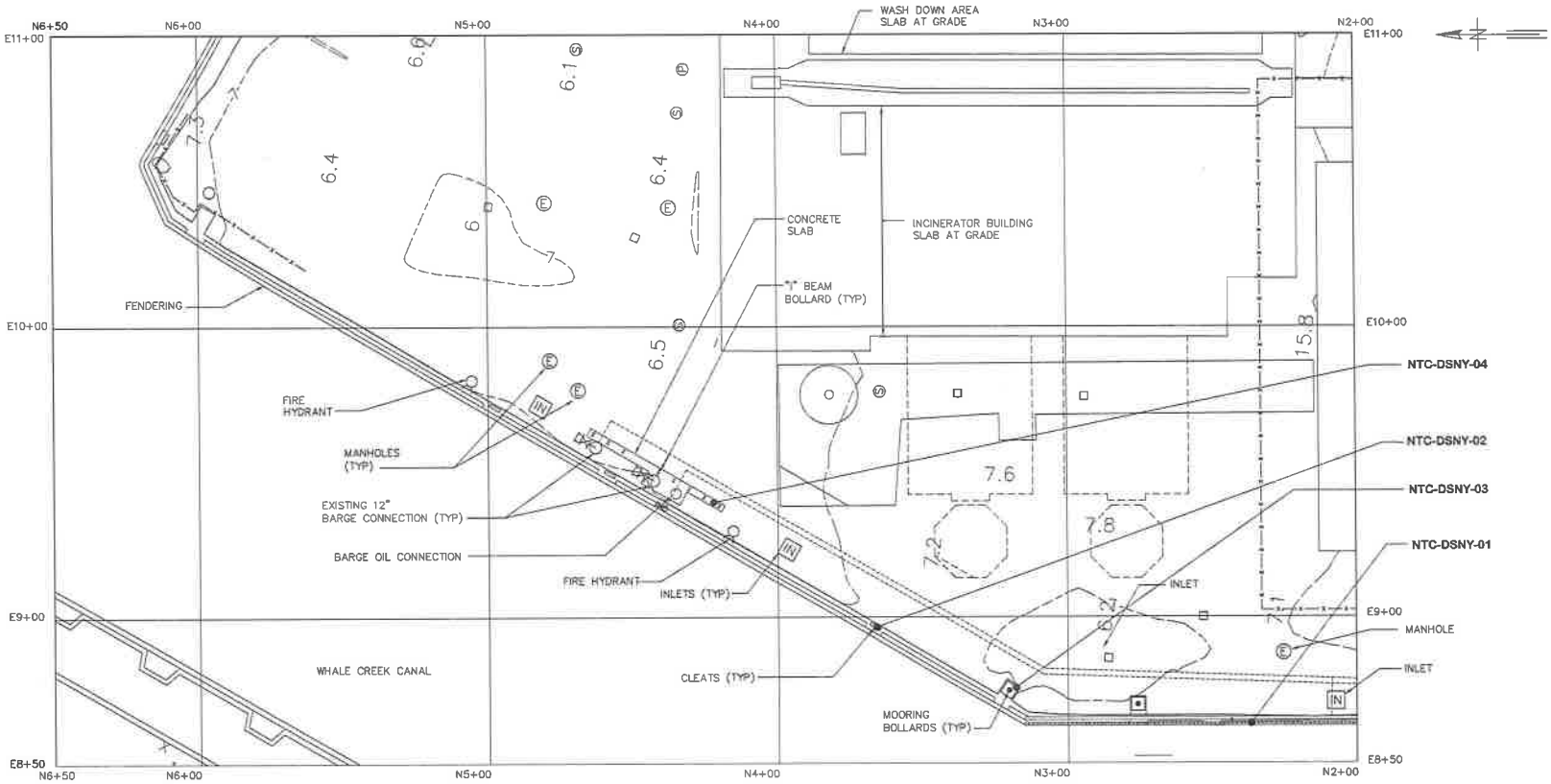
0 2 8
SCALE: 1/4" = 1'-0"



PLANT UPGRADE

DEMOLITION
EAST RIVER SLUDGE STORAGE TANK
LEAD PAINT (XRF)
SAMPLE LOCATIONS

FIGURE 4-2



LEAD AND PCB PAINTED MATERIALS DISPOSAL AND REMOVAL (See Note 1)
DSNY PROPERTY

Sample Number (See Note 2)	Date Sampled	Material Description	Material Location	Lead Analytical Results (mg/kg)	PCB Analytical Results (mg/kg)
NTC-DSNY-01	November 2006	Metal Railing (red)	DSNY Property (adjacent to Whale Creek)	244	0.26
NTC-DSNY-02	November 2006	Metal Cleat (orange)	DSNY Property (adjacent to Whale Creek)	13,700	0.094
NTC-DSNY-03	November 2006	Concrete Bollard (gray)	DSNY Property (adjacent to Whale Creek)	70.8	0.076
NTC-DSNY-04	November 2006	Metal Beam (yellow)	DSNY Property (adjacent to Whale Creek)	1,900	0.88

NOTES:

1. Contractor shall remove and dispose of lead paint and PCB paint as necessary to demolish building materials. See Specification for removal and disposal requirements.
2. Non-sampled surfaces should be categorized based on the paint chip sample results of Homogenous materials that were sampled on other parts of the DSNY property.

0 10 40
SCALE: 1" = 20'

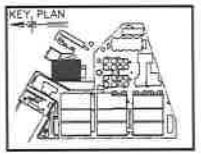
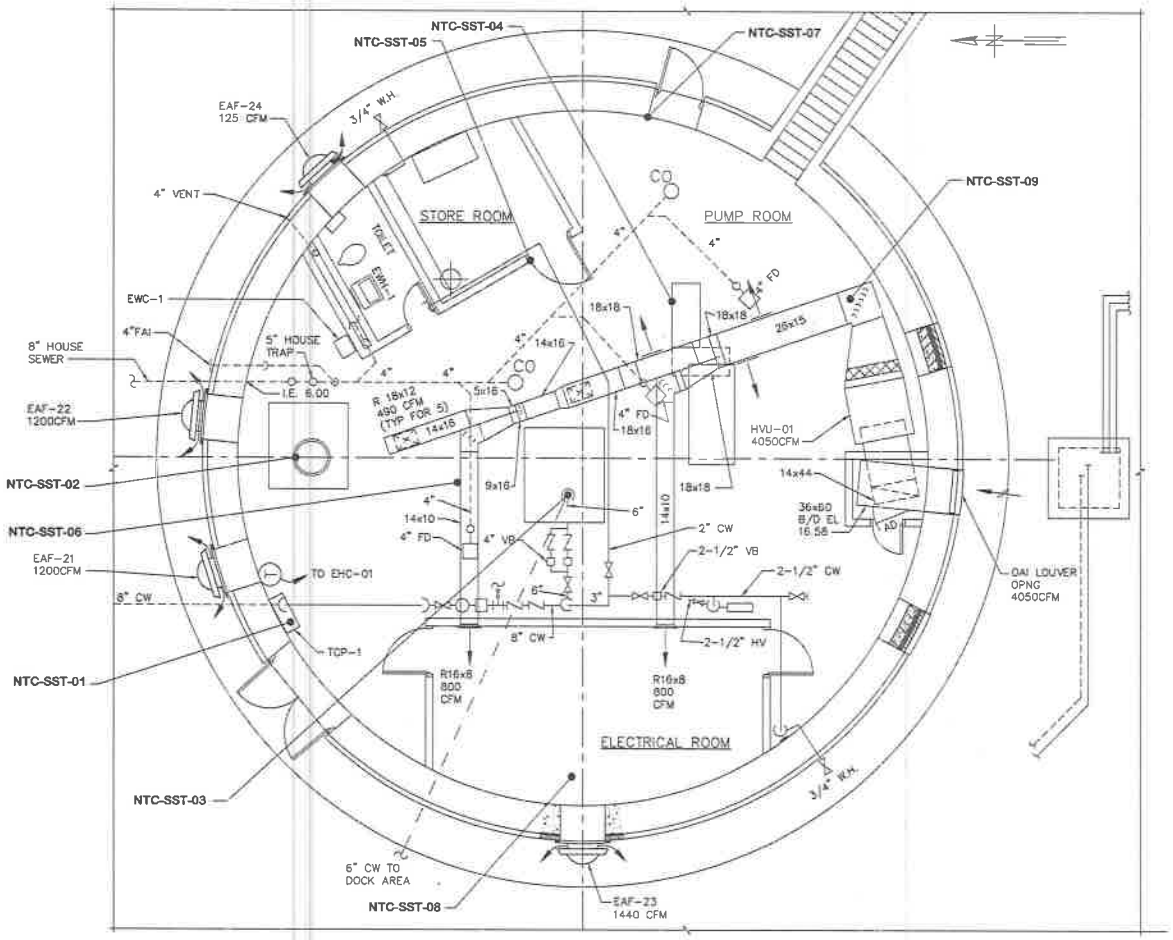


FIGURE 4-3

CIVIL
SITE WORK
LEAD AND PCB PAINT CHIP SAMPLE LOCATIONS

PLANT UPGRADE



PLAN – FLOOR EL. 11.50
SCALE: 1/4" = 1'-0"
(ALL TO BE REMOVED)

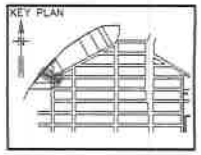
PCB-PAINTED MATERIALS DISPOSAL AND REMOVAL (See Note 1) EAST RIVER SLUDGE STORAGE TANK				
Sample Number (See Note 2)	Date Sampled	Material Description	Material Location	Analytical Results (mg/kg)
NTC-SST-01, NTC-SST-07	October 2006	Concrete Wall (yellow)	Pump Room	13 - 18
NTC-SST-02	October 2006	Metal Pipe (dark blue)	Pump Room	16
NTC-SST-03	October 2006	Metal Pipe (black)	Pump Room	3.3
NTC-SST-04	October 2006	Concrete Slab (dark gray)	Pump Room	14
NTC-SST-05	October 2006	Metal Door Casing (light blue)	Storage Room	120
NTC-SST-06	October 2006	Metal Tank (light gray)	Pump Room	6
NTC-SST-08	October 2006	Metal Cabinet (dark green)	Electrical Service Room	18
NTC-SST-09	October 2006	Metal Duct (white)	Pump Room	9.6

NOTES:

1. Contractor shall remove and dispose of PCB paint as necessary to demolish building materials. See Specifications for removal and disposal requirements.

2. Non-sampled surfaces should be categorized based on the analytical results of homoger materials that were sampled in other parts of the East River Sludge Storage Tank

0 2 8
SCALE: 1/4" = 1'-0"



PLANT UPGRADE

DEMOLITION
EAST RIVER SLUDGE STORAGE TANK
PCB PAINT CHIP
SAMPLE LOCATIONS

FIGURE 4-4

Table 4-3
Newtown Creek
Analytical Soil Sampling Results-East River Sludge Storage Facility Discrete Samples (09/26/00)
DETECTED ANALYTES ONLY

Parameters	Units	SSF DP-P1 4-8 10/26/00	SSF DP-P2 4-8 10/26/00	SSF DP-P3 4-8 10/26/00	SSF DP-P4 8-9 10/26/00
TCLP VOCs	µg/L	ND	ND	ND	ND

NOTES:

SAMPLE IDENTIFIERS

DP-P1/4-8/10/26/2000= DP-P1 boring location, 4-8 foot sample interval below grade, 10/26/2000 date of sample collection.

QUALIFIERS

ND= non-detect.

Table 4-4
Newtown Creek
Analytical Soil Sampling Results-East River Sludge Storage Facility Composite Samples (09/26/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria: 40 CFR Section 261 (ppb)	SSF DP-P1 0-12 10/26/00	SSF DP-P2 0-16 10/26/00	SSF DP-P3 0-12 10/26/00	SSF DP-4 0-9 10/26/00	SSF DP-P5 0-16 10/26/00
							Dup. of DP-P2/0-16
TCLP SVOCs	µg/L		ND	ND	ND	ND	ND
TCLP METALs							
Arsenic	µg/L	5,000	ND	ND	ND	**72.5 B***	**85.8 B***
Lead	µg/L	5,000	**132**	ND	ND	ND	ND
Barium	µg/L	100,000	**1060 B**	**605 B**	**608 B**	**731 B**	**673 B**
Cadmium	µg/L	1,000	**31.2 B**	**29.2 B**	**26.4 B**	**26.8 B**	**31.6 B**
Selenium	µg/L	1,000	ND	**62.4 ***	ND	ND	**62.4 ***

NOTES:

SAMPLE IDENTIFIERS

SSF/DP-P1/0-12/10/26/00= SSF=Sludge Storage Facility, DP-P1direct push location, 0-12 foot sample interval below grade, 10/26/2000 date of sample collection.

QUALIFIERS

B= reported value is less than the contract required detection limit, but greater than or equal to the instrument detection limit.
*= duplicate analysis not within limits.
ND= non-detect.

Table 4-5
Newtown Creek
Analytical Soil Sampling Results-Discrete Samples (09/07/00-11/09/00)
DETECTED ANALYTES ONLY

Parameters	Units	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11
				E-03	E-03	E-03	E-03	E-03	E-03	E-03	E-03
				10-15	0-5	10-15	5-10	15-20	5-10	5-10	10-15
				09/07/00	09/15/00	09/11/00	09/08/00	09/12/00	09/13/00	09/14/00	09/18/00
TCL VOCs											
Acetone	µg/Kg	NE	200	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/Kg	NE	100	4.8 J	6.9	3.6 J	3.6 J	6	14	6.6	11
Tetrachloroethene	µg/Kg	NE	1,400	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/Kg	100	1,500	ND	ND	ND	ND	ND	ND	4.6 J	ND
TCL SVOCs											
3+4-Methylphenols	µg/Kg	NE	NE	ND	ND	ND	ND	ND	ND	54 J	ND
Naphthalene	µg/Kg	200	13,000	210 J	ND	230 J	ND	95 J	ND	2300 JD	ND
2-Methylnaphthalene	µg/Kg	NE	36,400	81 J	ND	270 J	ND	52 J	ND	880 JD	ND
Acenaphthylene	µg/Kg	NE	41,000	75 J	ND	220 J	ND	48 J	ND	950 JD	ND
Acenaphthene	µg/Kg	400	50,000	210 J	ND	180 J	ND	230 J	100 J	2700 JD	ND
Dibenzofuran	µg/Kg	NE	6,200	150 J	ND	340 J	ND	140 J	ND	2000 JD	ND
Fluorene	µg/Kg	1000	50,000	230 J	ND	620	ND	290 J	140 J	4000 D	ND
n-Nitrosodiphenylamine	µg/Kg	NE	NE	67 J	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	µg/Kg	1000	50,000	1900	130 J	2400	57 J	1400	1000	19000 D	ND
Anthracene	µg/Kg	1000	50,000	510	39 J	560	ND	480	300 J	4900 D	ND
Carbazole	µg/Kg	NE	NE	190 J	ND	ND	ND	140 J	120 J	4300 D	ND
Di-n-butylphthalate	µg/Kg	NE	8,100	86 J	76 J	ND	70 J	210 J	74 J	97 J	76 J
Fluoranthene	µg/Kg	1000	50,000	1200	200 J	1800	55 J	1200	860	15000 D	ND
Pyrene	µg/Kg	1000	50,000	2100	230 J	2100	47 J	1400	1600	11000 D	ND
Benzo(a)anthracene	µg/Kg	0.04 (330) [1]	224	940	120 J	1100	ND	650	520 J	7000 D	ND
Chrysene	µg/Kg	0.04 (330) [1]	400	920	120 J	1100	ND	620	575 J	7400 D	ND
Bis(2-Ethylhexyl)phthalate	µg/Kg	NE	50,000	600	140 J	570	140 J	120 J	130 J	450	48 J
Benzo(b)fluoranthene	µg/Kg	0.04 (330) [1]	224	980	54 J	590	ND	400	430 J	4700 D	ND
Benzo(k)fluoranthene	µg/Kg	0.04 (330) [1]	224	600	110 J	750	ND	450	470 J	5700 D	ND
Benzo(a)pyrene	µg/Kg	0.04 (330) [1]	61	790	110 J	830	ND	530	400 J	4900 D	ND
Indeno(1,2,3-cd)pyrene	µg/Kg	0.04 (330) [1]	3,200	1400	58 J	ND	ND	240 J	ND	1100 JD	ND
Dibenzo(a,h)anthracene	µg/Kg	1000	14	120 J	ND	78 J	ND	ND	ND	200 JD	ND
Benzo(g,h,i)perylene	µg/Kg	0.04 (330) [1]	50,000	1300	86 J	540	ND	440	120 J	1300 JD	ND
4-Nitrophenol	µg/Kg	NE	100	ND	ND	220 J	ND	ND	ND	ND	ND

NOTES:
SAMPLE IDENTIFIERS
B-4E/E-03/10-15/09/07/2000= B-4E boring location, E-03 sample number, 10-15 foot sample interval below grade, 10/03/2000 date of sample collection.
[1] Values in parentheses are the Method Detection Limits (MDLs
QUALIFIERS
J= estimated value.
B= reported value is less than the contract required detection limit, but greater than or equal to the instrument detection limit.
D= dilution.
*= duplicate analysis not within limits.
ND= non-detect.
NE= Criteria not established.
EXCEEDANCES
=the sample exceeds the New York DEC TAGM Guidance criteria.
=the sample exceeds the NYSDEC STARS Memo #1 Guidance criteria.

Soil sample results were compared to the soil cleanup objectives in NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (1995), the NYSDEC's Spill Technology and Remediation Series (STARS) Memo #1: Petroleum-Contaminated Soil Guidance Policy, August 1992, and the Resource Conservation and Recovery Act (RCRA) Characteristic limits for hazardous wastes (40 CFR Part 261) to evaluate the presence or absence of contamination.

4.4.1 East River Sludge Storage Tank

4.4.1.1 Geoprobe Investigation

Discrete Samples

Four direct push discrete samples were collected from the grounds immediately adjacent to the Sludge Storage Tank. These samples were analyzed for TCLP VOCs as shown in Table 4-3. There were no exceedences of the RCRA TCLP limits in any of the samples.

Composite Samples

Five direct push composite samples were collected from the grounds immediately adjacent to the Sludge Storage Tank. Sample DP-P5 is a blind duplicate of sample DP-P2. These samples were analyzed for TCLP SVOCs and TCLP metals as shown in Table 4-4. There were no exceedences of the RCRA TCLP limits in any of the samples.

4.4.2 East River Sludge Loading Dock

4.4.2.1 Soil Borings

Discrete Samples

Eight discrete samples were collected from eight boring locations. These samples were analyzed for TCL VOCs and TCL SVOCs as shown in Table 4-5.

Six samples (one from each of the following locations, B-4, B-5, B-6, B-8, B-9, and B-10) had results that exceeded the TAGM criteria for SVOCs. The following polycyclic aromatic hydrocarbons (PAHs) exceeded the criteria in all locations except B-5: Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene. The criteria for Dibenzo(a,h)anthracene was exceeded in the samples from B-4, B-6, and B-10. The only exceedence from location B-5 was Benzo(a)pyrene. The criteria for 4-Nitrophenol was exceeded in the sample from B-6.

Five samples (one from each of the following locations, B-4, B-6, B-8, B-9, and B-10) had results which exceeded the STARS criteria for between six and thirteen PAHs including Naphthalene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene, and Benzo(g,h,i)perylene. The results for Indeno(1,2,3-cd)pyrene were also exceeded at locations B-5 and B-10.

There were no exceedences of the TAGM or STARS VOC criteria.

The Agency for Toxic Substances and Disease Registry (ATSDR) describes PAHs as a group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot. PAHs are ubiquitous in soils and total PAH concentrations in urban soils have been reported to range from 25,000 to about 585,000 parts per billion (ppb).

Composite Samples

Sixteen composite samples were collected from eight boring locations. These samples were analyzed for Full RCRA Characteristics, including ignitability, corrosivity, reactivity, TCL VOCs, TCL SVOCs, DRO, GRO, PCBs, and Full TCLP including VOCs, SVOCs, metals, pesticides, and herbicides as shown in Table 4-6.

Thirteen samples (from seven boring locations: B-4, B-5, B-6, B-8, B-9, B-10, and B-11) had results which exceeded the TAGM criteria for between one and six PAHs consisting of: Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, and Dibenzo(a,h)anthrancene. The criteria for 4-Nitrophenol were exceeded in one sample from location B-6.

Twelve samples (from six boring locations: B-4, B-5, B-6, B-8, B-9, and B-10) had results which exceeded the STARS criteria for between two and thirteen PAHs consisting of: Napthalene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene, and Benzo(g,h,i)perylene. The criteria for Indeno(1,2,3-cd)pyrene was also exceeded in eight samples (from five locations: B-4, B-5, B-6, B-8, and B-10).

Seven samples had detections of DRO and two samples had detections of GRO. There are no cleanup criteria for either of these compounds.

There were no other criteria exceedences.

4.4.2.2 Test Pit Samples

Discrete Samples

Six discrete samples were collected from six test pit locations. These samples were analyzed for TCL VOCs and TCL SVOCs as shown in Table 4-7.

Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene exceeded the TAGM criteria in TP-01 and TP-04. The Chrysene result from TP-04 also exceeded the TAGM criteria.

TP-01 and TP-04 also exceeded the STARS criteria for SVOCs. TP-01 had STARS criteria exceedences for Chrysene, Benzo(k)fluoranthene, and Benzo(a)fluoranthene. TP-04 had STARS criteria exceedences for Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Chrysene, Benzo(g,h,i)perylene, Naphthalene, and Acenaphthene.

All of the SVOCs which exceeded guidance criteria were PAHs.

There were no exceedences of the TAGM or STARS VOC criteria.

Composite Samples

Six composite samples were collected from six test pit locations. These samples were analyzed for ignitability, corrosivity, reactivity, TCL VOCs, TCL SVOCs, DRO, GRO, PCBs, and full TCLP. Table 4-8 shows the results.

Composite samples from test pits TP-01, TP-04, and TP-05 exceeded the TAGM criteria for between one and six PAHs consisting of: Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene, and Dibenzo(a,h)anthracene.

Composite samples from test pits TP-01, TP-04, and TP-05 exceeded the STARS criteria for between one and thirteen PAHs consisting of: Napthalene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene, and Benzo(g,h,i)perylene. The criteria for Indeno(1,2,3-cd)pyrene was also exceeded in TP-05.

DRO was detected in two of the samples.

There were no other criteria exceedences in any of the samples.

4.4.3 DSNY Greenpoint MTS Site

Table 4-6
Newtown Creek
Analytical Soil Sampling Results-Composite Samples (09/07/00-11/09/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria: 40 CFR Section 261 (ppb)	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	B-4		B-5		B-6		B-7		B-8		B-9		B-10		B-11	
					E-01 0-10 09/07/00	E-02 10-25 09/07/00	E-01 0-10 09/11/00	E-02 10-25 09/11/00	E-01 0-10 09/11/00	E-02 10-25 09/11/00	E-01 0-10 09/08/00	E-02 10-25 09/08/00	E-01 0-10 09/12/00	E-02 10-25 09/12/00	E-01 0-10 09/13/00	E-02 10-25 09/13/00	E-01 0-10 09/14/00	E-02 10-25 09/14/00	E-01 0-10 09/15/00	E-02 10-25 09/15/00
													9	13	88	6	181 *	37		
Total SVOCs (ppm)					14	14	5	13	4	14										
TCL VOCs																				
Acetone	µg/Kg		NE	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/Kg		NE	100	4.4 J	4.9 J	6.8	4.3	2.2 J	4.1 J	2.6 J	3.1 J	6.1	5.5 J	8.8	8.9	6.7	6.5	8.6	9.6
Benzene	µg/Kg		14	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/Kg		100	1,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/Kg		NE	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	µg/Kg		100	5,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylenes	µg/Kg		100	1,200[2]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	µg/Kg		100	1,200[2]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/Kg		NE	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/Kg		NE	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCL SVOCs																				
3/4-Methylphenols	µg/Kg		NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190 J	ND	ND	ND
Naphthalene	µg/Kg		200	13,000	390 J	120 J	ND	ND	44 J	160 J	ND	ND	110 J	84 J	1200 JD	ND	3800 JD	690 JD	ND	ND
4-Chloroaniline	µg/Kg		NE	220	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200 J	ND	ND
2-Methylnaphthalene	µg/Kg		NE	36,400	ND	66 J	ND	120 J	ND	130 J	ND	ND	49 J	41 J	580 JD	ND	1600 JD	220 JD	ND	ND
Acenaphthylene	µg/Kg		NE	41,000	ND	54 J	ND	ND	ND	200 J	ND	ND	ND	42 J	ND	ND	81 J	160 J	ND	ND
Acenaphthene	µg/Kg		400	50,000	ND	170 J	ND	350 J	67 J	190 J	ND	ND	190 J	280 J	2500 JD	93 J	6300 D	1100 JD	ND	ND
4-Nitrophenol	µg/Kg		NE	100	ND	ND	ND	ND	ND	130 J	ND	ND	64 J	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	µg/Kg		NE	6,200	ND	110 J	ND	230 J	ND	190 J	ND	ND	92 J	140 J	1600 JD	ND	2900 JD	760 JD	ND	ND
Fluorene	µg/Kg		1000	50,000	ND	180 J	43 J	420	53 J	340 J	ND	ND	210 J	220 J	3600 JD	110 J	7800 D	1700 JD	ND	ND
n-Nitrosodiphenylamine	µg/Kg		NE	NE	ND	87 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	µg/Kg		1000	50,000	2000 J	1800	520	1900	520	1800	43 J	87 J	1300	1600	17000 D	800	38000 D	7500 D	270 J	ND
Anthracene	µg/Kg		1000	50,000	440 J	400	140 J	680	140 J	490	ND	ND	400	520	5000 JD	220 J	10000 D	2200 D	59 J	ND
Carbazole	µg/Kg		NE	NE	ND	140	ND	240 J	46 J	150 J	ND	ND	120 J	130 J	3600 JD	79 J	7700 D	1400 JD	ND	ND
Di-n-butylphthalate	µg/Kg		NE	8,100	ND	72 J	46 J	150 J	83 J	89 J	48 J	48 J	100 J	150 J	ND	87 J	440	260 J	ND	ND
Fluoranthene	µg/Kg		1000	50,000	1300 J	1000	780	1900	510	1400	78 J	72 J	910	1700	19000 D	630	29000 D	5900 D	380 J	ND
Pyrene	µg/Kg		1000	50,000	2000 J	1900	700	1700	800	2300	68 J	68 J	1600	1600	19000 D*	900	20000 D	3700 D	180 J	ND
Benzo(a)anthracene	µg/Kg		0.04 (330) [1,2]	224	1100 J	810	420	970	340 J	1100	38 J	ND	490	950	6600 D	340 J	13000 D	2600 D	130 J	ND
Chrysene	µg/Kg		0.04 (330) [1,2]	400	1100 J	840	430	870	340 J	1100	43 J	ND	470	900	6600 D	380 J	13000 D	2900 D	140 J	ND
Bis(2-Ethylhexyl)phthalate	µg/Kg		NE	50,000	ND	130	13 J	300 J	33 J	390 J	78 J	410	180 J	150 J	130 J	58 J	240	ND	ND	ND
Benzo(b)fluoranthene	µg/Kg		0.04 (330) [1,2]	224	680 J	480	280 J	630	200 J	640	ND	ND	470	530	4200 JD	230 J	8000 D	1700	86 J	ND
Benzo(k)fluoranthene	µg/Kg		0.04 (330) [1,2]	224	720 J	630	310 J	630	240 J	730	63 J	ND	410	890	6000	320 J	10000 D	1700 JD	70 J	ND
Benzo(a)pyrene	µg/Kg		0.04 (330) [1,2]	61	1000 J	710	360 J	700	320 J	1000	44 J	ND	590	750	5900 JD	270 J	8300 D	1700 JD	110 J	ND
Indeno(1,2,3-cd)pyrene	µg/Kg		0.04 (330) [1,2]	3,200	1600 J	1100	200 J	370 J	210 J	590	ND	ND	630	380 J	290 J	ND	1600 JD	850 JD	100 J	ND
Dibenzo(a,h)anthracene	µg/Kg		1000	14	ND	ND	ND	90 J	ND	88 J	ND	ND	48 J	83 J	120 J	ND	310 J	88 J	ND	ND
Benzo(g,h,i)perylene	µg/Kg		0.04 (330) [1,2]	50,000	1800 J	1100	280 J	520	380 J	940	ND	ND	700	530	900 J	77 J	2200	770 JD	87 J	ND
PCBs	µg/Kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP VOCs																				
Benzene	µg/L	500			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/L	700			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP SVOCs					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP PESTICIDES	µg/L				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP HERBICIDES	µg/L				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP METALS																				
Arsenic	µg/L	5,000			ND	ND	466	60.6 B	61	46	ND	ND	-	-	92.8 B	83.6 B	33.3 B	29.6 B	ND	ND
Lead	µg/L	5,000			1200	400	40.3	21 B	ND	ND	ND	0.34	-	-	24.6	44.8	25.8 B	19.5	ND	24.7 B
Barium	µg/L	100,000			1700	900	46.8 B	43.4 B	52	42	0.66	0.48	-	-	ND	13.6 B	30.6 B	27.2 B	23.6 B	26.4 B
Cadmium	µg/L	1,000			0.044	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND
Chromium	µg/L	5,000			ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND
Mercury	µg/L	200			ND	ND	ND	ND	ND	ND	ND	ND	-	-	1.2 B	ND	1.1 B	2.6	ND	ND
Selenium	µg/L	1,000			ND	ND	ND	ND	ND	40	ND	ND	-	-	31 B	34.3	ND	ND	ND	ND
Silver	µg/L	5,000			ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND
GRO	µg/Kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	460	75	ND	110	51	ND
DRO	µg/Kg				ND	ND	ND	ND	19	33	52	47	ND	23	110	25	31	300	ND	ND
WET CHEMISTRY																				
Corrosivity	std. units				8.5	8.6	9.1	9.4	8.7	8.4	9.0	8.4	8.9	9.1	8.9	10	8.8	8.0	7.9	9.9
Ignitability	°F	<140			UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.
Cyanide, Reactive	mg/kg				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfide, Reactive	mg/kg				ND	ND	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
SAMPLE IDENTIFIERS:
M-102BE/E-02/45-50/10/03/2000= M-102BE boring location, E-02 sample number, 45-50 foot sample interva below grade, 10/03/2000 date of sample collection
[1,2] Values in parentheses are the Method Detection Limits (MDLs).
[2] TAGM Recommended Soil Cleanup Objective for Total Xylenes.

QUALIFIERS
J= estimated value.
B= reported value is less than the contract required detection limit, but greater than or equal to the instrumen detection limit
D= dilution.
*= duplicate analysis not within limits.
ND= non-detect.
NE= Criteria not established

EXCEEDANCES
=the sample exceeds the Guidance criteria
=the sample exceeds the NYSDEC STARS Memo #1 Guidance criteria

Table 4-7
Newtown Creek
Analytical Soil Sampling Results-Test Pit Discrete Samples (09/25/00)
DETECTED ANALYTES ONLY

Parameters	Units	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	TP-01 E-01 09/25/00	TP-02 E-01 09/25/00	TP-03 E-01 09/25/00	TP-04 E-01 09/25/00	TP-05 E-01 09/25/00	TP-06 E-01 09/25/00
TCL VOCs									
Methylene Chloride	µg/Kg	NE	100	7.1	6	11	7.1	8.8	9.3
TCL SVOCs									
Phenanthrene	µg/Kg	1000	50000	260 J	ND	ND	4000	ND	ND
Anthracene	µg/Kg	1000	50000	79 J	ND	ND	1100 J	ND	ND
Di-n-butylphthalate	µg/Kg	NE	8100	150 J	ND	ND	ND	ND	82 J
Fluoranthene	µg/Kg	1000	50000	540	630 J	450 J	3100 J	ND	ND
Pyrene	µg/Kg	1000	50000	530	630 J	410 J	2600 J	ND	ND
Benzo(a)anthracene	µg/Kg	0.04 (330) (1)	224	330 J	ND	ND	1300 J	ND	ND
Chrysene	µg/Kg	0.04 (330) (1)	400	370 J	ND	ND	1300 J	ND	ND
Benzo(b)fluoranthene	µg/Kg	0.04 (330) (1)	224	320 J	ND	ND	740 J	ND	ND
Benzo(k)fluoranthene	µg/Kg	0.04 (330) (1)	224	410	ND	ND	1600 J	ND	ND
Benzo(a)pyrene	µg/Kg	0.04 (330) (1)	61	340 J	ND	ND	980 J	ND	ND
Indeno(1,2,3-cd)pyrene	µg/Kg	0.04 (330) (1)	3200	120 J	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	µg/Kg	1000	14	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	µg/Kg	0.04 (330) (1)	50000	180 J	ND	ND	420 J	ND	ND
Naphthalene	µg/Kg	200	13000	ND	ND	ND	1000 J	ND	ND
Acenaphthene	µg/Kg	400	50000	ND	ND	ND	620 J	ND	ND
Fluorene	µg/Kg	1000	50000	ND	ND	ND	600 J	ND	ND
Carbazole	µg/Kg	NE	NE	ND	ND	ND	400 J	ND	ND

NOTES:

SAMPLE IDENTIFIERS
TP-01/E-02/09/15/2000= TP-01 test pit location, E-01 sample number, 09/25/2000 date of sample collection

(1) Values in parentheses are the Method Detection Limits (MDLs).

QUALIFIERS
J= estimated value.
ND= non-detect.
NE= Criteria not established.

EXCEEDANCES
=the sample exceeds the New York DEC TAGM Guidance criteria

Table 4-8
Newtown Creek
Analytical Soil Sampling Results-Test Pit Composite Samples (09/25/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria: 40 CFR Section 261 (ppb)	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	TP-01 E-02 09/25/00	TP-02 E-02 09/25/00	TP-03 E-02 09/25/00	TP-04 E-02 09/25/00	TP-05 E-02 09/25/00	TP-06 E-02 09/25/00
TCL VOCs										
Methylene Chloride	µg/Kg		NE	100	5.7 J	5.2 J	5.4	6.4	6.5	3.4 J
TCL SVOCs										
Naphthalene	µg/Kg		200	13,000	ND	ND	ND	ND	1400 J	ND
Acenaphthylene	µg/Kg		NE	41,000	52 J	ND	ND	ND	ND	ND
Acenaphthene	µg/Kg		400	50,000	59 J	ND	ND	ND	1900 J	100 J
Dibenzofuran	µg/Kg		NE	6,200	ND	ND	ND	ND	1300 J	48 J
Fluorene	µg/Kg		1,000	50,000	74 J	ND	ND	ND	2600 J	73 J
Phenanthrene	µg/Kg		1,000	50,000	1000	ND	360 J	370 J	15000	150 J
Anthracene	µg/Kg		1,000	50,000	340 J	ND	ND	ND	3800	41 J
Carbazole	µg/Kg		NE	NE	ND	ND	ND	ND	2500 J	ND
Di-n-butylphthalate	µg/Kg		NE	8,100	95 J	ND	ND	ND	ND	74 J
Fluoranthene	µg/Kg		1,000	50,000	1700	370 J	380 J	550 J	12000	220 J
Pyrene	µg/Kg		1,000	50,000	1600	350 J	ND	450 J	8600	180 J
Benzo(a)anthracene	µg/Kg		0.04 (330) (1)	224	860	ND	ND	ND	4100	72 J
Chrysene	µg/Kg		0.04 (330) (1)	400	960	ND	ND	ND	4400	92 J
Bis(2-Ethylhexyl)phthalate	µg/Kg		NE	50,000	ND	ND	ND	ND	ND	65 J
Benzo(b)fluoranthene	µg/Kg		0.04 (330) (1)	224	670	ND	ND	ND	2200 J	67 J
Benzo(k)fluoranthene	µg/Kg		0.04 (330) (1)	224	710	ND	ND	530 J	4100	81 J
Benzo(a)pyrene	µg/Kg		0.04 (330) (1)	61	710	ND	ND	ND	2600 J	60 J
Indeno(1,2,3-cd)pyrene	µg/Kg		0.04 (330) (1)	3,200	210 J	ND	ND	ND	570 J	ND
Dibenzo(a,h)anthracene	µg/Kg		0.04 (330) (1)	14	58 J	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	µg/Kg		0.04 (330) (1)	50,000	320 J	ND	ND	ND	750 J	45 J
PCBs	µg/Kg				ND	ND	ND	ND	ND	ND
TCLP VOCs	µg/L				ND	ND	ND	ND	ND	ND
TCLP SVOCs	µg/L				ND	ND	ND	ND	ND	ND
TCLP PESTICIDES	µg/L				ND	ND	ND	ND	ND	ND
TCLP HERBICIDES	µg/L				ND	ND	ND	ND	ND	ND
TCLP METALs										
Arsenic	µg/L	5,000			78.5 B	ND	ND	53.2 B	53.3 B	ND
Barium	µg/L	100,000			95.1 B	53.2 B	58.0 B	51 B	69.3 B	55.6 B
Chromium	µg/L	5,000			21.4 B	13.8 B	14.5 B	14.4 B	22.6 B	11.9 B
Lead	µg/L	5,000			200	31.6	30.9	34.9	82.3	ND
Mercury	µg/L	200			ND	ND	ND	ND	4.1	2
GRO	µg/Kg				ND	ND	ND	ND	ND	ND
DRO	µg/Kg				21	ND	ND	ND	82	ND
WET CHEMISTRY										
Corrosivity	std. units				8.1	8.7	9.0	8.6	8.7	8.3
Ignitability	°F				UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.	UNIGNIT.
Cyanide_Reactive	mg/kg				ND	ND	ND	ND	ND	ND
Sulfide_Reactive	mg/kg				ND	ND	ND	ND	ND	ND

NOTES:
SAMPLE IDENTIFIERS
TP-01/E-02/09/15/2000= TP-01 test pit location, E-01 sample number, 09/25/2000 date of sample collection.

Table 4-8
Newtown Creek
Analytical Soil Sampling Results-Test Pit Composite Samples (09/25/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria: 40 CFR Section 261 (ppb)	Guidance Criteria: STARS Memo #1 (ppb)	Guidance Criteria: NY TAGM (ppb)	TP-01	TP-02	TP-03	TP-04	TP-05	TP-06
					E-02	E-02	E-02	E-02	E-02	E-02
					09/25/00	09/25/00	09/25/00	09/25/00	09/25/00	09/25/00

(1) Values in parentheses are the Method Detection Limits (MDLs).

QUALIFIERS
J= estimated value.
B= reported value is less than the contract required detection limit, but greater than or equal to the instrument detection limit.
ND= non-detect.
NE= Criteria not established.

EXCEEDANCES
=the sample exceeds the Guidance criteria.
=the sample exceeds the NYSDEC STARS Memo #1 Guidance criteria.

There were no exceedances for TCLP parameters or RCRA characteristics detected in any of the composite soil samples collected. TPH - GRO were not detected in any of the soil samples.

TCL VOCs were not detected in any of the discrete soil samples collected. Five TCL SVOCs, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(a)pyrene, Chrysene, Benzo(k)flouranthene exceeded the TAGM soil criteria along Kingsland Avenue. Along Whale Creek Canal, concentrations detected at 3 to 3.5 feet bgs include Phenanthrene at 7.1 mg/kg, Fluoranthene at 11 mg/kg, Pyrene at 10 mg/kg, and Anthracene at 1.9 mg/kg, all well below the TAGM objective of 50 mg/kg.

Nine TAL Metals exceeded the TAGM soil criteria along Kingsland Avenue and Whale Creek Canal: arsenic, beryllium, chromium, copper, iron, nickel, selenium, vanadium, and zinc. At one soil boring location, eight metals exceeded the TAGM objectives at both the 3- to 3.5 foot depth and the 13.5 to 14.0 foot depth.

Mercury exceeded the TAGM criteria of 0.1 mg/kg in all but two sampling locations along both Kingsland Avenue and Whale Creek Canal. The highest concentration of mercury (1.2 mg/kg) was from the 3 to 3.5 foot interval. Mercury at the 13.5 to 14.0 foot depth was below the TAGM.

PCBs were detected in two soil samples along Whale Creek Canal but were below the TAGM criteria. The maximum PCB concentration was 32 ug/kg from the 0 to 5 foot depth interval from one of the two sample locations. TAGM RSCO for PCBs is 1,000 ug/kg.

TPH – DRO were detected in four of the sampling locations along Whale Creek Canal, and one of the sample locations along Kingsland Avenue. Results ranged from 5 to 90 mg/kg.

Analytical results, specifically TAGM exceedances, indicate that low level soil contamination is present in the soil samples collected. Soils would be classified as a non-hazardous industrial waste. Soil contamination discovered in this area is consistent with the current and former land uses and surrounding industrial land uses.

4.4.4 QA/QC SAMPLES

A total of two field blanks were collected throughout this sampling program. These samples were analyzed for TCLP VOCs, SVOCs, and metals as shown in Table 4-9. Di-n-butylphthalate was detected in one field blank. Selenium was detected in the other field blank. Neither of these detections exceeded the RCRA TCLP limits.

4.5 UST INVESTIGATION

In 1997, the 1,000-gallon capacity No. 2 fuel oil UST was abandoned in place by filling with sand in accordance with all New York City Fire Department regulations. All associated tank piping was removed. Visible signs of petroleum contamination or odor were not observed during tank closure proceedings. One direct push discrete sample (SSF-DP-P4) was collected from the grounds immediately adjacent to the abandoned UST. The sample was analyzed for TCLP VOCs as shown in Table 4-3. There were no exceedences of the RCRA TCLP limits. A direct push composite sample was also collected from the same location. The sample was analyzed for TCLP SVOCs and TCLP metals as shown in Table 4-4. There were no exceedences of the RCRA TCLP limits.

Table 4-9
Newtown Creek
Analytical Soil Sampling Results-QA/QC Samples (09/25/00 10/26/00)
DETECTED ANALYTES ONLY

Parameters	Units	TCLP Guidance Criteria 40 CFR Section 261 (ppb)	FIELD BLANK 09/25/00	FIELD BLANK 10/26/00
TCLP VOCs	µg/L		ND	ND
TCLP SVOCs				
Di-n-butylphthalate	µg/L		**3 J**	ND
TCLP METALs				
Selenium	µg/L	1,000	-	**41 B***

NOTES:
QUALIFIERS
J= estimated value.
ND= non-detect.
*= duplicate analysis not within limits.

5.0 IMPACTS TO CONSTRUCTION ACTIVITIES

5.1 SOIL SAMPLING AND DISPOSAL CONSIDERATIONS

All material to be excavated will be in-situ sampled by the Contractor to determine disposal. The Contractor shall provide a Field Sampling Plan to test all soils and fill materials for presence of chemicals to determine if material is Hazardous Waste, Industrial Waste, Petroleum-contaminated Waste or Construction and Demolition Debris. Materials to be excavated will be classified as regulated solid waste or non-regulated solid waste as follows:

Regulated Solid Waste:

1. Hazardous Solid Waste: Material shall be considered a characteristic hazardous waste when it exhibits any of the following characteristics: ignitability, corrosivity, reactivity, or toxicity for Volatile Organic Compounds (VOCs), semi-VOCs, metals, pesticides, or herbicides, as defined in 6 NYCRR Part 371 or 40 CFR Section 261. Under New York State (NYS) regulations, a material that contains greater than 50 ppm of PCBs is considered a hazardous waste. The Environmental Protection Agency (EPA) considers greater than 50 ppm of PCB to be a PCB-contaminated waste under Toxic Substances Control Act (TSCA). All hazardous waste shall be considered unsuitable, and shall be disposed of at an approved permitted hazardous waste landfill.

2. Industrial Waste: Solid waste generated by manufacturing or industrial processes. Such processes may include, but are not limited to the following: electric power generation; fertilizer/agricultural chemicals; inorganic chemicals; iron and steel manufacturing; organic chemicals; and all other materials as defined in 6 NYCRR Part 360. The forms of such wastes are exemplified by but not limited to: liquids such as acids, alkalis, caustics, leachate, petroleum (and its derivatives), and processes or treatment wastewaters; sludges which are semi-solid substances resulting from process or treatment operations or residues from storage or use of liquids; solidified chemicals, paints or pigments; and dredge spoil generated by manufacturing or industrial processes, foundry sand, and the end or by-products of incineration or other forms of combustion.

   Soil and fill material containing industrial waste shall be considered industrial waste. Evidence that a soil or fill material contains industrial waste shall include visual identification of waste, chemical odors, vapor emission, chemical staining, and analytical data that exceeds that exceeds the concentration limits in (1) NYS DEC Technical Administrative Guidance Memorandum (TAGM) HWR-94-4046 for VOCs, semi-VOCs, organic pesticides/herbicides, and heavy metals; or (2) Spill Technology and

Remediation Series (STARS) Memo # 1, NYSDEC, August 1992 guidelines, whichever is more stringent.

3. Construction and Demolition (C&D) Debris: Uncontaminated solid waste resulting from the construction, remodeling, repair and demolition of utilities, structures and roads; and uncontaminated solid waste resulting from land clearing. Such waste includes, but is not limited to bricks, concrete, and other masonry materials, rock, and uncontaminated soil. Uncontaminated solid waste means C&D debris that is not mixed with other solid waste (i.e., industrial waste) at the point of generation, processing or disposal, and that is not contaminated with spills of a petroleum product, hazardous waste, or industrial waste. Soil and fill material may only be considered uncontaminated if it is associated with analytical data that meets the concentration limits in the NYS DEC TAGM or STARS Memo #1, NYSDEC, August 1992 guideline, whichever is more stringent.

4. Petroleum-contaminated Waste: Exhibits a discernible petroleum-type odor, contains visible petroleum product, may be associated with a reported spill, or material associated with sample data that exceeds concentration limits in STARS Memo #1, NYSDEC, August 1992.

Non-regulated Solid Waste: This applies to materials that, before being beneficially used (as determined by the NYS DEC), were solid waste. Material is no longer considered solid waste when used as described: uncontaminated soil which has been excavated as part of a construction project, and which is being used as a fill material, in place of soil native to the site of disposition; non-hazardous contaminated soil which has been excavated as part of a construction project, other than a NYS DEC-approved or undertaken inactive waste disposal site remediation program, and which is used as backfill for the same excavation or excavations containing similar contaminants at the same site. Excess materials on these projects are subject to the requirements of 6 NYCRR Part 360; non-hazardous petroleum-contaminated soil which has been decontaminated to the satisfaction of the NYS DEC and is being used in a manner acceptable to the NYS DEC; recognizable, uncontaminated concrete and concrete products, asphalt pavement, brick, glass, soil and rock placed in commerce for service as a substitute for conventional aggregate; nonhazardous petroleum-contaminated soil when incorporated into asphalt pavement products by a producer authorized by the NYS DEC; and all other uses as described in 6 NYCRR Part 360, Section 360-1.15.

Materials to be excavated includes all material removed from the ground regardless of type, character, composition, moisture, or condition thereof. All material will be classified by the Engineer, prior to excavation, following receipt of in-situ soil sampling results from the Contractor, and disposed of accordingly.

The Contractor's Field Sampling Plan will include an indication of the specific frequency of in-situ samples per unit volume as required by the approved disposal facililty chosen by the Contractor, but not fewer than one composite sample for each 500 cubic yards of material to be excavated. Parameters analyzed shall be at a minimum full RCRA Characteristics and TCLP VOCs, Semi-VOCs, Metals, Pesticides/Herbicides, and all other required Disposal Facility criteria.

5.2 EXCAVATION ACTIVITIES

Given the presence of SVOCs in soil samples collected at levels that exceed the concentration limits in TAGM and STARS, and the presence of DRO and GRO, excavated soils may be classified as non-hazardous industrial waste or non-hazardous petroleum-contaminated waste. Routes of exposure to SVOCs include dermal contact and inhalation of contaminated dust. Dust suppression activities should be implemented during construction to reduce inhalation risks. Site workers should be directed to use gloves and appropriate personal protective equipment (PPE), such as coveralls to reduce dermal contact risks. Planned excavations should be continuously monitored for hazardous atmospheres.

5.3 CONSTRUCTION DEWATERING

A Long Island Well Permit is necessary when wells are installed to withdraw water for any purpose and when the total capacity of such well or wells on any one property is in excess of 45 gallons per minute (gpm) or 64,800 gallons per day (gpd). This includes temporary or permanent dewatering wells.

To direct dewatering effluent to the sanitary or combined sewer system, a NYC DEP Wastewater Quality Control Permit and a NYC DEP Sewer Use Permit will be required. The Sewer Use Permit is applicable only if pumping rates during dewatering exceed 10,000 gallons per day.

Under the Wastewater Quality Control Permit, pre-treatment of dewatering effluent prior to discharge may be required. In general, the treatment system will consist of an oil/water separator and a carbon treatment system. Prior to dewatering, a pilot test of the effluent treatment system must be run and a sample of treated effluent analyzed for TPH, pH, copper, nickel, zinc, cadmium, chromium (VI), lead, mercury, TSS, BTEX, PCBs MTBE, tetrachloroethylene, and naphthalene, and flash point. Analytical results must be submitted to the NYC DEP prior to the startup of dewatering operations. It should be noted that there is a laboratory two-week turn-around time for some of these parameters and that the Contractor should factor this into his overall schedule. In addition, permitting agencies must be notified in writing prior to the commencement of discharge. Each permit is valid for one year and must be renewed at the end of that period.

5.4 ASBESTOS-CONTAINING MATERIAL

According to EPA/NESHAP and New York State regulations, all friable and non-friable asbestos containing material (ACM) that might become friable must be removed prior to any demolition and/or renovation activity that may disturb ACM or preclude access to the ACM for subsequent removal. This should be accomplished through preparation of specifications requiring state-of-the-art equipment and methods of abatement. A New York State-certified project designer must prepare the abatement design documents. Independent project monitoring/management should be performed to oversee removal activities and to provide safety for area occupants and workers during the removal operation. Asbestos abatement must be conducted in accordance with New York City Local Law 56.

5.5 LEAD-BASED PAINT

If construction and/or demolition activities at the Sludge Storage Tank result in a disturbance of paint, or if paint removal is conducted, monitoring for lead contamination and the appropriate disposal of paint wastes and residues will be required. The disposal of painted components must be conducted in accordance with applicable State and Federal regulations, including the Resource Conservation and Recovery Act (RCRA) hazardous waste regulations.

Under RCRA regulations, lead-contaminated waste is regulated as a hazardous waste if the Toxicity Characteristic Leaching Procedure (TCLP), a laboratory analytical procedure that simulates the leaching action in a landfill, results in a test leachate with a lead concentration in excess of 5.0 milligrams per liter. According to the EPA's March 1993 report, *Applicability of RCRA Disposal Requirements to Lead-based Paint Abatement Waste*, solid wastes such as woodwork, plaster, doors, and similar building components were generally found to be hazardous wastes when the lead level in the paint exceeded 4.0 milligrams per square centimeter (mg/cm2). Out of 44 XRF readings taken, 7 readings met or exceeded this guideline.

Wastes intended for recycling are exempt from the definition of solid/hazardous waste under the RCRA regulations. However, the operators must be notified of the presence of lead paint on disposed material to ensure proper handling.

Construction work where an employee may be occupationally exposed to lead is regulated by OSHA in 29 CFR 1926.62. Work covered under this standard includes but is not limited to: demolition or salvage of structures where lead or materials containing lead are present; removal or encapsulation of materials containing lead; new construction, alteration, repair or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead; and

transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed.

The standard limits worker exposure to 50 micrograms/cubic meter of air over an 8-hour Time Weighted Average (TWA). Various levels of employee exposure/types of work tasks are listed in the standard with corresponding Personnel Protective Equipment (PPE) (such as respirators), as well as monitoring and medical surveillance requirements. The contractor will be responsible for following the requirements of OSHA's lead standard during work tasks to be conducted at the Sludge Storage Tank.

It is recommended that the results of the lead-based paint survey be attached to the contract specifications/bid documents for the contractor's information and assessment of disposal options for any demolition debris generated. It is also recommended that the contractor be directed to sample and characterize (i.e., by TCLP lead analysis) demolition debris with painted surfaces to determine the appropriate disposal activities.

5.6 PCB-IN-PAINT

For construction and demolition activities affecting materials and structures coated with PCB-containing paint, refer to the "Guidelines for the Safe Handling of Paint Dust & Residues" issued by the NYCDEP's Bureau of Wastewater Treatment (BWT). All contract work involving lead and/or PCBs shall be performed to minimize the creation of airborne dust; minimize the quantity of hazardous waste generated; protect the health and welfare of all site personnel and the public; and avoid adverse environmental impacts.

If demolition activities are to take place, additional sampling may be necessary to characterize any materials that were not identified during this investigation, and determine the extent of PCB contamination from surfaces that were painted with PCB-containing paints. In addition, monitoring for contamination during work-related activities and properly disposing of wastes and residues containing PCBs that are generated during these activities will be required. The disposal of PCB-containing materials and contaminated surfaces must be conducted in accordance with any applicable local, state and federal regulations, including the Toxic Substances Control Act (TSCA).

Under TSCA, disposal requirements for PCB-containing materials (including paint) or PCB-contaminated surfaces generally become applicable when the concentration of PCBs in a material are $\geq$ 50 ppm, or the concentration of PCB residue on a surface is $\geq$ 10 $\mu g/100\ cm^2$. However, certain PCB-containing materials (e.g., light ballasts) may be able to be recycled under the EPA's universal waste regulations.

The results of this investigation will be attached to the contract specifications/bid documents for the contractor's information and for the assessment of disposal options for any demolition debris generated. The contractor will be directed to sample and characterize (e.g., totals analysis) demolition debris with PCB-containing materials (including painted building components) and/or PCB-contaminated surfaces, as well as any suspect materials or surfaces that were not identified or sampled during the investigation to determine the appropriate disposal or recycling requirements.

5.7 FUGITIVE DUST EMISSIONS

The Contractor is responsible for controlling visible dust caused by work operations and the moving of vehicles and equipment. The Contractor will implement dust control when soils are exposed, before, during, and after the work activity ceases. Dust control will also be required on the weekend. Application of water when visible dust is present on-site, or other such methods, will be subject to the Engineer's approval. The use of chemicals for dust control, including calcium chloride, will not be allowed.

Care will be taken to minimize the formation of dust when loading and transporting materials to and from the work area. To prevent dust generation, application of water to roadways and active work areas will be utilized as required. The Contractor's air monitoring operations and dust minimization activities will be in accordance with his site-specific health and safety plan (HASP).

5.7 NOISE CONTROL

The Contractor shall control and minimize noise caused by operation and movement of vehicles and equipment to the greatest degree practicable. Noise levels shall conform to the latest OSHA standards, and all other applicable Federal, State and local regulations. Noise precautions shall include the following:

- All construction equipment powered by an internal combustion engine shall be equipped with a properly maintained muffler.
- Air compressors shall be operated in accordance with the manufacturer's instructions for proper noise abatement.
- Air powered equipment shall be fitted with pneumatic exhaust silencers.

All sound attenuation measures shall comply with the following City noise code regulations:

- Exterior Mechanical Equipment: the Building Code of the City of New York, Title 27, Chapter 1, Subchapter 12, Subarticle 1208.3, Paragraph 27-770, concerns windows of dwelling units facing mechanical equipment and the

noise output limitation from exterior mechanical equipment as measured within the interior of the dwelling unit.

- Ambient Noise Quality: the Building Code of New York, Title 24, Chapter 2, Subchapter 6, concerns ambient noise quality criteria and standards which indicates the maximum outdoor sound levels in specific ambient noise quality zones for day-time and night-time standards.

APPENDIX A
Asbestos Inspection Report

DONOHOE ENVIRONMENTAL, INC.

39 Bowery #684 New York, New York 10002

Phone: 212 260-9818 Fax:212 673-7215

June 28, 2000

Ms. Brenda O'Shea
Malcolm Pirnie, Inc.
104 Corporate Park Drive, Box 751
White Plains, New York 10602

Re: Asbestos survey for the Newtown Creek WPCP pump building on Dupont Avenue in Greenpoint, New York.

Dear Ms. O'Shea:

Enclosed are the results of analysis for 3 bulk samples taken from the above location. The material collected was millboard pipe insulation found in the pump building. There is approximately 100 linear feet of millboard pipe insulation in the building.

The bulk insulation samples collected were analyzed in accordance with the protocol set forth in EPA method 600/M4-82-020. This method utilizes polarized light microscopy and dispersion staining techniques to identify asbestos fibers. All samples were analyzed in a NVLAP certified laboratory

The samples were analyzed by *Scientific Laboratories, Inc.*, an ELAP and NVLAP accredited laboratory.

Feel free to call if you have any questions.

Sincerely,

Timothy J. Donohoe

Timothy J Donohoe
Donohoe Environmental, Inc.

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES, INC.
117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

Donohoe Environmental, Inc.
Attn: Tim Donohoe
39 Bowery Box 684

New York, NY 10002

Date Received 06/23/2000 **SciLab Job No.** 200063308
Date Examined 06/25/2000 **P.O. #**
ELAP Number 11480 **Page** 1 **of** 1
RE: Newton Creek; Pump Building, DuPont Street

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
0622TD01	200063308-01	*Yes*	1.3 %

1 **Location:** Bulk Material

Description: Beige/Black, Heterogeneous, Pipe Insulation (Millboard)
Asbestos Types: Chrysotile 1.3 %
Other Material: Cellulose 80. %, Non-fibrous 18.7 %

0622TD02 200063308-02 NA/PS

1 **Location:** Bulk Material

Description: Pipe Insulation (Millboard)
Asbestos Types:
Other Material:

0622TD03 200063308-03 NA/PS

1 **Location:** Bulk Material

Description: Pipe Insulation (Millboard)
Asbestos Types:
Other Material:

Reporting Notes:

Analyzed by: Paul Mucha Paul Mucha By R Barley

*NAD/NSD = no asbestos detected; NA = not analyzed; NAPS = not analyzed positive stop; Bulk Asbestos Analysis per 40 CFR 763, Subpart F, Appendix A and ELAP Analysis Protocols 198.1/198.4 for NY samples; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in NY State (see also EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This report relates ONLY to the items tested. ELAP #11480, Vt. Cert. #AL016055

Reviewed By:_____

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCIENTIFIC LABORATORIES, INC.
117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

200063308

Company: Dandelion

Address:

P.O.#:

Project Information

Name: Newtown Creek Pump Building Dupont St

Number:

Manager:

Site (City/State):

Results to: Dandelion

Invoice to:

Written report to:

COMMENTS: Lead for 1st positive

Analysis Type	Turnaround Time 6-8hr	12hr	24hr	48hr	72hr	5day	Other
TEM/AHERA							
TEM/Level II							
TEM/Chatfield							
TEM/Dust							
TEM/Water							
PCM					X		
PLM							
Lead							
Other							

Air Filter Information

MCE	
PC	
25mm	
37mm	
0.45um	
0.80um	
Other:	

Return Samples Yes___ No___

Phone ___/___

Fax ___/___

Pager ___/___

Sample I.D.	Sample Location	Start Time	Stop Time	Total Time	Liters/Min	Air Volume	Date Collected
062200TD01	Mill board Pipe insulation						
TD02							
TD03							

Relinquished By (Signature): [signature] Date:

Received By (Signature): [signature] @21:44 Date: 6/23/00

TOTAL P.03

APPENDIX B
Lead Paint Inspection Report

MLI

MANDELL LEAD INSPECTORS, INC.

8 HIGHVIEW TERRACE • BLOOMFIELD, NJ 07003 • (973)338-4099 • (908)964-0263 • FAX (973)338-4055

LEAD PAINT INSPECTION REPORT

INSPECTION FOR: Malcolm Pirnie, Inc.
104 Corporate Park Drive
P.O. Box 751
White Plains, NY 10602-0751

PERFORMED AT: Sludge Storage Tank
Dupont Street
New York, NY

INSPECTION DATE: 06/22/00

INSTRUMENT TYPE: SCITEC
XRF TYPE ANALYZER
Serial Number: 1411

ACTION LEVEL: 1.0 mg/cm2

OPERATOR LICENSE: NY/EPA Certification # NY-01-042003-167

THIS REPORT IS NON TRANSFERABLE

The measurements contained within are accurate to the best of our knowledge. Mandell Lead Inspectors Inc. does not under any circumstances make any representation guarantee or warranty as to the reported or future condition of the property.

SIGNED: Stuart A Casciano Date: 6-23-00

Stuart A. Casciano
Mandell Lead Inspectors, Inc.
8 Highview Terrace
Bloomfield, NJ 07003
(973) 338-4099
NY/EPA Certification # NY-01-042003-256

Mandell Lead Inspectors, Inc.
8 Highview Terrace

Bloomfield NJ 07003

Mandell Lead

Customer:

Project Name: Sludge Storage Tank

Site Name: Dupont Street
Brooklyn, NY

Action Level 1.000 mg /cm2 Lab 1.000 mg /cm2

Total Assays Reported 55

#	Site	Room Tested	#	Wall	Component	Substrate	Paint Condition	K-Shell mg/cm2	L-Shell mg/cm2	Map #	Type	Result
3380	0001	Calibration	*	*	*	*	*	0.000 X	0.000 X	0	ID	
3381	0001	Calibration	*	*	*	*	*	1.196 K	0.972 L	411	TEST	Pos
3382	0001	Calibration	*	*	*	*	*	0.907 K	1.061 L	411	TEST	Incl
3383	0001	Calibration	*	*	*	*	*	0.874 K	0.969 L	411	TEST	Incl
3384	0001	Calibration	*	*	*	*	*	0.934 K	1.034 L	411	TEST	Incl
3385	0001	Calibration	*	*	*	*	*	1.005 K	1.023 L	411	TEST	Incl
3386	0001	Pump Room	1	A	Wall	Concrete	Intact	-0.250 K	-0.601 L	411	UNLM	Neg
3387	0001	Pump Room	1	A	Door	Metal	Intact	-0.645 S	0.000 X	411	UNLM	Neg
3388	0001	Pump Room	1	A	Door Molding	Metal	Intact	0.458 S	0.000 X	411	UNLM	Neg
3389	0001	Pump Room	1	A	Wall	Masonry	Intact	-1.922 K	-0.648 L	411	UNLM	Neg
3390	0001	Pump Room	1	A	Motor	Metal	Intact	6.121 S	0.000 X	411	UNLM	Pos
3391	0001	Pump Room	1	A	Pump	Metal	Fair	9.235 S	0.000 X	411	UNLM	Pos
3392	0001	Pump Room	1	A	Pipe	Metal	Fair	12.496 S	0.000 X	411	UNLM	Pos
3393	0001	Pump Room	1	A	Motor	Metal	Intact	-0.027 S	0.000 X	411	UNLM	Neg
3394	0001	Pump Room	1	A	Pump	Metal	Fair	-0.413 S	0.000 X	411	UNLM	Neg
3395	0001	Pump Room	1	A	Pump	Metal	Fair	-0.423 S	0.000 X	411	UNLM	Neg
3396	0001	Pump Room	1	A	Pipe	Metal	Fair	-0.247 S	0.000 X	411	UNLM	Neg
3397	0001	Pump Room	1	D	18" Valve	Metal	Intact	9.439 S	0.000 X	411	UNLM	Pos
3398	0001	Pump Room	1	D	18" Pipe	Metal	Fair	6.323 S	0.000 X	411	UNLM	Pos
3399	0001	Pump Room	1	D	Pipe Support	Metal	Fair	11.330 S	0.000 X	411	UNLM	Pos

 No Averaging Selected

Mandell Lead Inspectors, Inc.
8 Highview Terrace

Bloomfield NJ 07003

Mandell Lead

Customer:

Project Name: Sludge Storage Tank

Site Name: Dupont Street
Brooklyn, NY

Action Level 1.000 mg /cm2 Lab 1.000 mg /cm2

Total Assays Reported 55

#	Site	Room Tested	#	Wall	Component	Substrate	Paint Condition	K-Shell mg/cm2	L-Shell mg/cm2	Map #	Type	Result
3400	0001	Pump Room	1	A	18" Valve	Metal	Intact	-0.692 S	0.000 X	411	UNLM	Neg
3401	0001	Pump Room	1	A	18" Valve	Metal	Intact	-0.071 S	0.000 X	411	UNLM	Neg
3402	0001	Pump Room	1	B	18" Valve	Metal	Intact	-0.371 S	0.000 X	411	UNLM	Neg
3403	0001	Pump Room	1	B	18" Pipe	Metal	Intact	-0.641 S	0.000 X	411	UNLM	Neg
3404	0001	Pump Room	1	B	18" Valve	Metal	Fair	-0.192 S	0.000 X	411	UNLM	Neg
3405	0001	Pump Room	1	B	18" Valve	Metal	Intact	-1.216 S	0.000 X	411	UNLM	Neg
3406	0001	Pump Room	1	B	Wall	Concrete	Intact	-0.127 K	-0.110 L	411	UNLM	Neg
3407	0001	Pump Room	1	C	Wall	Masonry	Intact	0.209 K	-0.235 L	411	UNLM	Neg
3408	0001	Pump Room	1	D	Wall	Concrete	Intact	0.417 K	-0.246 L	411	UNLM	Neg
3409	0001	Pump Room	1	C	Pump Support	Metal	Poor	-0.334 S	0.000 X	411	UNLM	Neg
3410	0001	Pump Room	1	A	Duct	Metal	Intact	0.038 S	0.000 X	411	UNLM	Neg
3411	0001	Pump Room	1	*	Ceiling	Concrete	Intact	-0.319 S	0.000 X	411	UNLM	Incl
3412	0001	Pump Room	1	*	Ceiling	Concrete	Intact	0.482 K	-0.392 L	411	UNLM	Neg
3413	0001	Pump Room	1	*	Ceiling	Concrete	Intact	-0.355 K	-0.551 L	411	UNLM	Neg
3414	0001	Pump Room	1	*	Floor	Concrete	Poor	0.436 K	-0.073 L	411	UNLM	Neg
3415	0001	Pump Room	1	A	Pump Support	Concrete	Fair	0.412 K	-0.220 L	411	UNLM	Neg
3416	0001	Pump Room	1	D	Pipe	Metal	Intact	0.596 S	0.000 X	411	UNLM	Neg
3417	0001	Pump Room	1	D	Pipe	Metal	Fair	12.755 S	0.000 X	411	UNLM	Pos
3418	0001	Electric Rm	1	C	Conduit	Metal	Intact	0.257 S	0.000 X	411	UNLM	Neg
3419	0001	Electric Rm	1	C	Elec. Panel	Metal	Fair	0.109 S	0.000 X	411	UNLM	Neg

 Limit Set: 0 Coding Set: 3 | No Averaging Selected

Mandell Lead Inspectors, Inc
8 Highview Terrace

Bloomfield NJ 07003

Mandell Lead

Customer:

Project Name: Sludge Storage Tank

Site Name: Dupont Street
Brooklyn, NY

Action Level 1.000 mg /cm2 Lab 1.000 mg /cm2

Total Assays Reported 55

#	Site	Room Tested	#	Wall	Component	Substrate	Paint Condition	K-Shell mg/cm2	L-Shell mg/cm2	Map #	Type	Result
3420	0001	Electric Rm	1	C	Wall	Concrete	Intact	0.284 K	-0.109 L	411	UNLM	Neg
3421	0001	Electric Rm	1	B	Wall	Masonry	Intact	0.380 K	-0.516 L	411	UNLM	Neg
3422	0001	Electric Rm	1	B	Tranformer	Metal	Fair	0.553 K	0.306 L	411	UNLM	Neg
3423	0001	Electric Rm	1	*	Floor	Concrete	Fair	0.628 K	-0.324 L	411	UNLM	Neg
3424	0001	Electric Rm	1	C	Conduit	Metal	Poor	-0.035 S	0.000 X	411	UNLM	Neg
3425	0001	Storage Rm	1	A	Wall	Concrete	Intact	0.476 K	-0.249 L	411	UNLM	Neg
3426	0001	Bathroom	1	B	Wall	Masonry	Intact	0.135 K	-0.451 L	411	UNLM	Neg
3427	0001	Bathroom	1	C	Door	Metal	Intact	0.175 S	0.000 X	411	UNLM	Neg
3428	0001	Exterior	1	C	Blower	Metal	Fair	-0.686 S	0.000 X	411	UNLM	Neg
3429	0001	Exterior	1	C	Belt Guard	Metal	Fair	0.130 S	0.000 X	411	UNLM	Neg
3430	0001	Calibration	*	*	*	*	*	1.034 K	1.116 L	411	TEST	Incl
3431	0001	Calibration	*	*	*	*	*	0.982 K	1.102 L	411	TEST	Incl
3432	0001	Calibration	*	*	*	*	*	1.163 K	1.155 L	411	TEST	Incl
3433	0001	Calibration	*	*	*	*	*	0.939 K	1.054 L	411	TEST	Incl
3434	0001	Calibration	*	*	*	*	*	1.203 K	1.148 L	411	TEST	Incl

Phase I Environmental Site Assessment of the Proposed Public School at Block 2494 Lot 1 Brooklyn, New York 11209, June 23, 2008, prepared by TRC Engineers, Inc.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
OF

PROPOSED PUBLIC SCHOOL
BLOCK 2494, LOT 1
BROOKLYN, NEW YORK 11209

SCA LLW NO. 052122
SCA CONTRACT NO. C000009699
IEH JOB NO. 28175

TRC ENGINEERS, INC. PROJECT NO. 114707-0000-0095

June 23, 2008

Prepared by:

TRC Engineers, Inc.
1430 Broadway 10th Floor
New York, New York 10018
Phone: (212) 221-7822
Fax: (212) 221-7840
Attn: Mr. Charles Guder

Prepared for:

NYCSCA
30-30 Thomson Avenue
Long Island City, NY 11101-3045
Phone: (718) 472-8502
Fax: (718) 472-8500
Attn: Ms. Lee Guterman

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1.0 EXECUTIVE SUMMARY

At the request of Ms. Lee Guterman, Deputy Director of the Industrial and Environmental Hygiene (IEH) Division of the New York City School Construction Authority (NYCSCA), TRC Engineers, Inc. (TRC) conducted a Phase I Environmental Site Assessment (ESA) of the Site located at 235-241 Franklin Street, Brooklyn, New York 11222 (the "Site"). The legal description for the property is Block 2494, Lot 1. The purpose of the Phase I ESA was to identify conditions that would impact the use and development of the Site as a public school. The Site is located in an area that primarily consists of low-rise residential and commercial buildings.

The Site is improved with a one-story automobile repair facility, office trailer, and paved parking areas. The Site encompasses approximately 20,000-square feet in area. The Site building occupies an approximately 1,250 square foot footprint. The Site is bounded to the north by Dupont Street followed by a playground, to the south by a three-story residential building followed by Eagle Street, to the west by paved parking areas and the New York City Department of Environmental Protection Newtown Creek Plant Sludge Storage, and to the east by Franklin Street followed by low-rise residential and commercial buildings. Historically, the Site was occupied by low-rise residential and commercial buildings (from at least 1887 to 1905), commercial buildings including a garage and automobile repair facility with pump house and gasoline underground storage tank (circa 1916), and lumber storage (from approximately 1942 to at least 1996). The current improvements (i.e., automobile repair facility, office trailer, and paved parking areas) have been in existence since at least 2001. Historic uses of surrounding properties primarily consisted of residential, commercial, and industrial uses.

The main objective of the Phase I ESA is to identify recognized environmental conditions and environmental concerns that may affect the suitability of the Site for use as a public school. Recognized environmental conditions are defined in American Society of Testing and Materials (ASTM) Standard Practice E 1527-05 as the presence or likely presence, use, or release on the Site of hazardous substances or petroleum products. In addition, other environmental issues and conditions that, in the opinion of the *environmental professional* conducting the assessment, would not be considered *recognized environmental conditions* are identified in this assessment. These may include *historical recognized environmental conditions* or *de minimis* conditions. The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or concerns that are, according to ASTM E 1527-05, considered non-scope considerations. These issues include radon, asbestos-containing materials (ACM), polychlorinated biphenyls (PCBs) light ballasts, exterior lead-based paint (LBP), chemical storage, wetlands, regulatory compliance issues, dry cleaner and other industrial emissions, mold, biological agents, and methane. The Phase I ESA included a review of federal, state, and local records, previous reports (if available) and historical documents; visual observation of the Site and adjoining properties; and interviews with selected Site representatives.

The assessment requested by the NYCSCA is intended to identify conditions that would have the potential to impact the value of the Site or the development and use of the Site as a public school facility. This assessment was conducted for purposes of environmental due diligence in order to qualify for the innocent landowner, bona fide prospective purchaser, or contiguous property owner defenses under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The Phase I ESA included, but was not limited to an assessment of the following potential environmental issues: current and historical site use; current and historical use of adjoining properties; regulatory agency records review; on-site solid waste management and disposal practices; on-site hazardous materials and petroleum products management; chemical storage, ACM, PCBs and exterior LBP management; wetlands;

regulatory compliance issues; dry cleaner and other industrial emissions; radon; mold and moisture intrusion; biological agents, and potential for methane generating materials.

Summary of RECs

This Phase I ESA has revealed no evidence of *recognized environmental conditions (RECs)* in connection with the Site, except the following:

- The Site was historically (circa 1916) developed as an automobile repair facility and garage. The Site is currently (since at least 2001) used as an automobile repair facility and for automobile parking. The potential subsurface impact from these operations is considered a REC.

- According to Historic Sanborn Maps, there was a gasoline underground storage tank (UST) on-Site from approximately 1916 to at least 1951. According to a prior Phase I ESA report, there was an abandoned 275-gallon aboveground storage tank on-Site. The abandoned 275-gallon aboveground storage tank was not observed during the Site reconnaissance. The possible presence and unknown status of the petroleum storage tanks at the Site is considered a REC.

- Oil staining was observed on the floor throughout the Site building, specifically near the electrical lift and floor drain and is considered a REC.

- Based on a review of City Environmental Quality Review (CEQR) Environmental Designations, the Site has an "E"-Designation associated with "window wall attenuation and alternate ventilation" and "underground gasoline storage tanks testing protocol". The "E"-Designation for underground storage tanks testing protocol is considered a REC.

- The Site reconnaissance revealed the presence of an automobile repair facility on an adjacent block. This facility, located at 246 Franklin Street, is identified in the regulatory agency database report as "Pat & Doms Body & Fender Repair Inc.", and is listed as a historic small quantity generator. This facility is also listed in the NY Manifest database for hazardous waste generation activity. The potential subsurface impact from auto repair operations on adjacent property is considered a REC.

- Review of historic records, including a prior Phase I ESA report, indicated that the Site is located in an area that was historically occupied by manufacturing operations with underground storage tanks and automobile repair activities. Review of historical records also revealed the use of adjacent properties as lumber yards, chemical facilities, and commercial laundries. Additionally, review of Historic Sanborn Maps revealed the historic (from at least 1951 to approximately 1978) presence of a dry cleaning facility upgradient of the Site. These historic property uses are considered a REC.

- Manhole # 64829 is located adjacent and northeast of the Site, at the intersection of Franklin and Dupont Street. This location is listed in the New York Spills/Leaking Tank Incident Reports (NYSpills/LTANKs) database in connection with three (3) spill cases, including one open case (Spill Case No. 9907940). This location is also listed in the regulatory agency database report orphans summary as a historical large quantity generator and in the NY Manifest database for hazardous waste generation activity. The potential subsurface impact is considered a REC.

- "Nuhart & Company" (also known as "Harte & Co." and "Dynamit Nobel-Harte, Inc."), located at 49-55 Dupont Street, adjacent to the Site, is listed as a historical large quantity generator with reported violations. This facility is also listed in the Petroleum Bulk Storage (PBS) database, Chemical Bulk Storage (CBS) database, and NY Manifest database for hazardous waste generation activity. Additionally, "Con ED – V3283", located at 55 Dupont Street, is listed as a historical large quantity generator and in the NY Manifest database for hazardous waste generation activity. Since this property is located adjacent to the Site and there are documented hazardous waste violations and hazardous waste generation activity associated with the property, it is considered a REC.

- One (1) historic large quantity generator ("Interflo Technologies") with reported violations is located in close proximity (within one-eighth of a mile) to the Site. This facility is also listed in the NY Manifest database for hazardous waste generation activity. Since this facility is located in close proximity to the Site and there are documented hazardous waste violations associated with the facility, it is considered a REC.

- The adjacent property to the west (Block 2494, lot 6) is listed in the regulatory agency database report orphans summary for an "E"-Designation associated with "window wall attenuation and alternate ventilation" and "underground gasoline storage tanks testing protocol". The "E"-Designation for underground storage tanks testing protocol is considered a REC.

Summary of Environmental Concerns

This Phase I ESA has revealed no evidence of environmental concerns in connection with the Site, except the following:

- Based on the estimated age of the Site building, suspect asbestos-containing materials (ACM) may be present and this is considered an environmental concern;

- Suspected lead-based paint (LBP) was observed on the interior and exterior surfaces of the Site building during the Site inspection. Based on the estimated age of the building, the painted surfaces may contain lead and LBP is considered an environmental concern; and,

- Fluorescent light fixtures and exterior caulk were observed during the Site inspection. Based on the age of the building, the fluorescent light fixtures and exterior caulk may contain polychlorinated biphenyls (PCBs). The potential presence of PCB-containing articles is considered an environmental concern.

Recommendations

TRC recommends the performance of a comprehensive Phase II Environmental Site Investigation (ESI) to determine if the identified RECs have affected the suitability of the Site for use as a public school facility.

In addition, TRC recommends that any ACM, LBP, and/or PCB-containing light ballasts/exterior caulk affected by the preparation of the Site for use by the public school system must be identified prior to and properly managed during demolition or renovation activities.

2.0 INTRODUCTION

This report summarizes the results of the Phase I ESA for the proposed site being considered for construction of a public school located at 235-241 Franklin Street, Brooklyn, New York 11222 (the "Site"). The legal description for the property is Block 2494, Lot 1. The Site is improved by a one-story automobile repair facility, office trailer, and paved parking areas.

The Site encompasses approximately 20,000-square feet in area. The Site building occupies an approximately 1,250 square foot footprint. The purpose of the Phase I ESA was to identify conditions that could potentially impact the use and development of the Site as a public school.

A Site reconnaissance was performed at the Site on May 27, 2008 by Ms. Angela Hernandez of TRC. The temperature during the Site visit was approximately 70 degrees Fahrenheit and the weather conditions were partly cloudy.

2.1 Selected Definitions

The following terms are used throughout this report and, for purpose of clarity, corresponding definitions are provided. These terms are fully defined in ASTM E 1527-05.

Environmental Professional – A person meeting the education, training, and experience requirements as set forth in 40 CFR § 312.10(b), necessary to conduct a *site reconnaissance*, *interviews*, and other activities in accordance with this practice, and from the information generated by such activities, having the ability to develop opinions and conclusions regarding *recognized environmental conditions* in connection with the *property* in question.

Recognized environmental conditions – The presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a material threat of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, groundwater, or surface water of the *property*.

2.2 Purpose and Scope

The purpose of this assessment is to identify *recognized environmental conditions* and certain other environmental issues or concerns as they existed at the Site at the time of the Site visit. The assessment is intended to identify conditions that would have the potential to impact the value of the Site or the development and use of the Site as a public school facility. The assessment was also conducted for purposes of environmental due diligence in order to qualify for the innocent landowner, bona fide prospective purchaser or contiguous property owner defenses under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The Phase I ESA included, but was not limited to an assessment of the following potential environmental issues: current and historical site use; current and historical use of adjoining properties; regulatory agency records review; on-site waste management and disposal practices; on-site hazardous materials and petroleum products management; ACM, PCB containing equipment and LBP management; wetlands; regulatory compliance issues; dry cleaner and other industrial emissions; radon; mold and moisture intrusion; biological agents, and potential for methane generating materials.

This evaluation was conducted by qualified *environmental professionals* utilizing a standard of good commercial and customary practice in accordance with ASTM E 1527-05. The scope of work completed for this evaluation included the following:

- Documenting the physical characteristics of the Site through a review of available topographic, geologic, wetland, flood plain, and groundwater data and Site observations.

- Researching the Site history through a review of reasonably ascertainable standard sources such as land deeds, fire insurance maps, city directories, aerial photographs, prior reports and interviews.

- Documenting current Site conditions, via observations and interviews, regarding the presence or absence of hazardous substances/petroleum products; the generation, treatment, storage, or disposal of hazardous, regulated, or medical wastes; the presence of electrical equipment that utilizes oils which potentially contain PCBs; and the presence of storage tanks (above and below ground).

- Determining the use of adjoining and nearby properties to identify the likelihood for environmental conditions (if present and/or suspected) and concerns to migrate onto the Site.

- An evaluation of information contained within federal and state environmental databases and other local environmental records, within specific search distances.

2.3 Additions, Deviations, Deletions, and Data Gaps

The following environmental issues that are outside the scope of ASTM E 1527-05 were also evaluated:

- A review of available radon data for the Site vicinity;
- A review of available wetlands data;
- A visual assessment for water damage and mold;
- A visual assessment for suspect ACM;
- A visual assessment for suspect LBP;
- An assessment of potential methane generation on-site or migration to the site;
- Regulatory compliance;
- PCB light ballasts;
- Biological agents; and
- Air emissions from dry cleaners and other industrial sources.

No deviations, data gaps and deletions from ASTM E 1527-05 were necessary in conducting this assessment except:

1. Interviews, as required by ASTM E1527-05, were not performed since the current owners are unavailable. However, the lack of interviews did not affect the environmental professional's ability to identify RECs.

2.4 Limitations and Exceptions

TRC has prepared this Phase I ESA using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Site. The methodology of the Phase I ESA was consistent with ASTM E 1527-05. Findings within this report are based on information collected from observations made on the day of the Site investigation and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific delineation of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other construction purposes. TRC makes no representation or warranty that the past or current operations at the Site are or have been in compliance with all applicable federal, state, and local laws, regulations, and codes.

Regardless of the findings stated in the report, TRC is not responsible for consequences or conditions arising from facts that were concealed, withheld, or not fully disclosed at the time the evaluation was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory agency database search report provided is based on an evaluation of the data collected and compiled by a contracted data research company. The report focuses on the Site and neighboring properties that could impact the Site. Neighboring properties listed in governmental environmental records are identified within specific search distances. The search distance varies depending upon the particular government record being checked. The regulatory research is designed to meet the requirements of ASTM E 1527-05. The information provided in the regulatory database report is assumed to be correct and complete.

3.0 SITE DESCRIPTION

3.1 Site Location and Legal Description

The Site is located at 235-241 Franklin Street, Brooklyn, New York 11222. The legal description for the property is Block 2494, Lot 1. The Site is improved with a one-story automobile repair facility, office trailer, and paved parking areas. The Site encompasses approximately 20,000-square feet in area. The Site building occupies an approximately 1,250 square foot footprint. The New York City Department of City Planning (NYCDCP) zoning map 12c indicates that the Site is designated as zone R6, which is a residential district. Based on a review of the City Environmental Quality Review (CEQR) Environmental Designations, as part of the New York City Zoning Resolution, the Site is labeled with an "E"-Designation (E-138) associated with "window wall attenuation and alternate ventilation" and "underground gasoline storage tanks testing protocol".

An "E"-Designation is a zoning map designation that provides notice of the presence of an environmental requirement pertaining to potential hazardous materials contamination or noise or air quality impacts on a particular tax lot. "E"-designations are established as part of a change in zoning that would allow additional development to occur on property, or would permit uses not currently allowed.

It is likely that the "E"-designation for the "underground gasoline storage tanks testing protocol" is a result of the Site being in close proximity to a gas station and/or the presence of an underground fuel oil tank(s). Therefore, the "E"-designation is considered a REC. The "Declaration of Single Development Parcel Pursuant to the New York City Zoning Resolution" is presented in *Appendix K*.

A map showing the location of the Site is presented in *Appendix A*. A site plan showing the physical layout including adjacent land use is presented in *Appendix B*. Photographs of the Site and surrounding areas are included in *Appendix C*.

The Site is located on a portion of the block bordered by Dupont Street to the north followed by a playground, to the south by a three-story residential building followed by Eagle Street, to the west by paved parking areas and the "New York City Department of Environmental Protection Newtown Creek Plant Sludge Storage", and to the east by Franklin Street followed by low-rise residential and commercial buildings. Historically, the Site was occupied by low-rise residential and commercial buildings (from at least 1887 to 1905), commercial buildings including a garage and automobile repair facility with pump house and gasoline underground storage tank (circa 1916), and lumber storage (from approximately 1942 to at least 1996). The current improvements (i.e., automobile repair facility, office trailer, and paved parking areas) have been in existence since at least 2001. Historic uses of surrounding properties primarily consisted of residential, commercial, and industrial uses.

The current owner of the Site, according to records maintained by the New York City Department of Finance, Office of the City Registrar, is Greenpoint Landing Associates, L.L.C. The purpose of the Phase I ESA was to identify conditions that could potentially impact the use and development of the Site as a public school.

Based on the review of the Historic Sanborn Fire Insurance Maps, no significant changes to the Site have been noted since the most recent Sanborn Map, dated 1996, except:

- The Site was historically (from approximately 1942 to at least 1996) used for lumber storage. The Site currently is occupied by a one-story automobile repair facility, office trailer, and paved parking areas.

3.2 Physical Setting

3.2.1 Topography

Based on field observations, the topography of the Site is generally flat. The topography of the surrounding area generally slopes downward to the west and downward to the north, towards the East River. According to the United States Geological Survey (USGS) 7.5-Minute Quadrangle Map (Brooklyn, NY 1995) and information contained in the regulatory agency database search report, the elevation of the Site property is approximately 12 feet above mean sea level (amsl). A copy of the topographic map is presented in *Appendix A*.

3.2.2 Geology

The geology of Kings County consists of unconsolidated glacial deposits overlying crystalline bedrock. Based upon available literature (Buxton, Soren, Posner, and Shernoff, 1981), the subsurface geology for the Site likely includes the following formations: Pleistocene upper glacial deposits, Gardiners Clay, Jameco Gravel, Cretaceous Raritan Formation consisting of sands and clays, and crystalline bedrock. The depth to crystalline bedrock for the area is estimated to be approximately 80 feet below ground surface (bgs).

3.2.3 Soils

According to "Geology of Staten Island and Western Long Island, Kings and Queens Counties, New York," by Geneva R. Roberts-Dolgin, the Site is underlain by glacial till that consists of a mixture of clay, silt, sand, gravel, and boulders. It is also likely that the soil underlying the Site consists of urban land due to New York City's long history of urban development. Urban land can be defined as soil that has been altered by human activities, thus making the soil unidentifiable.

Soil cores collected during a subsurface investigation performed by TRC in May 2008 generally consisted of fill material composed of ash, brick fragments, and silty sand, underlain by fill material consisting of light brown silty sand.

3.2.4 Hydrology

According to "United States Geologic Service (USGS) Fact Sheet FS134-97", the upper glacial aquifer is the uppermost hydrogeologic unit on Long Island; it consists of till deposits (clay, silt, sand, gravel, and boulders) along the north shore and outwash deposits (mostly sand, gravel, and clay) to the south. The outwash deposits are highly permeable – horizontal hydraulic conductivity is estimated to be 270 feet per day (Franke and Cohen, 1972); till deposits are typically less than half as permeable (Smolensky and others, 1989; Buxton and Shernoff, 1995).

The Site is located approximately 500 feet east of the East River. Based on topography, the presence of the nearest surface water body, and information provided in the USGS Fact Sheet, the regulatory agency database report, and review of prior reports, the assumed hydraulic gradient direction is northwest towards the East River and groundwater is expected to be approximately twelve (12) feet bgs. The

groundwater depth of 12 feet bgs was confirmed by a subsurface investigation performed by TRC in May 2008.

The current United States Fish and Wildlife National Wetlands Index map for the area of the Site was reviewed to determine if the Site is located in a regulated wetlands area. Based on a review of the map and observations made during the Site reconnaissance, the Site is not located within a regulated wetland area. A copy of the wetlands map is included in *Appendix D*.

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for the Site area (Community Panel Number FM3604970202F) was reviewed to assess whether the Site is located within a designated flood plain or flood zone. The Site is located in an area labeled Flood Zone X, which is an area determined to be outside the 0.2% annual chance floodplain. A copy of the FIRM map for the Site area is included in *Appendix E*.

3.2.5 Radon

Radon is a colorless, odorless radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water, which subsequently enters the atmosphere. It can concentrate in buildings, entering through cracks and other penetrations of a building foundation or floor slab. Some areas are more likely to have elevated concentrations of radon than others, reflecting subsurface lithologic conditions.

According to data provided in the New York Radon database presented in the regulatory agency database report (Appendix I), three (3) locations were tested in zip code 11222 (which encompasses the Site). At all three (3) of these locations, radon concentrations were less than 4.0 picoCuries per liter (pCi/L).

According to data in the Federal Area Radon Information for Kings County, NY presented in the regulatory agency database report (Appendix I), based on 51 locations, the average radon level for living areas is 0.750 picoCuries per liter (pCi/L) and the average radon level for basements is 1.370 picoCuries per liter (pCi/L).

In addition, the New York State Department of Health (NYSDOH) maintains a database of radon test results on a local and county level. According to the NYSDOH, a total of 367 radon tests have been conducted in Kings County. The average radon level was found to be 1.91 pCi/L.

All of the published results cited above are below the United States Environmental Protection Agency (USEPA) radon action level of 4.0 pCi/L. As such, TRC concludes that it is unlikely that elevated levels of radon gas are present at the Site.

4.0 ADJOINING PROPERTIES

The area of the Site consists of residential and commercial structures, primarily low-rise (one- to four-story) buildings. The following table summarizes the adjoining property uses:

Direction	Facility Name/Description	Street Address/Location	Current Use
North	• Dupont Street • Playground • Three-story factory • Commercial Street • Vacant Lot	• Public Street • Playground • 2 Clay Street • Public Street • Vacant Lot	• Public Street • Playground (“Greenpoint Playground) • Three-story factory (“Harte & Company”) • Public Street • Vacant Lot (“NYCHA”)
East	• Franklin Street • Four-story residential building • Three-story residential building • Three-story residential and commercial building • Three-story residential building • Two, four-story residential buildings • Four-story residential and commercial building	• Public Street • 274 Franklin Street • 270 Franklin Street • 268 Franklin Street • 266 Franklin Street • 262-260 Franklin Street • 75 Eagle Street	• Public Street • Four-story residential building • Three-story residential building • Three-story residential building with 1st floor commercial (occupied by a grocery store) • Three-story residential building • Two, four-story residential buildings • Four--story residential building with 1st floor commercial (occupied by a grocery store)

Direction	Facility Name/Description	Street Address/Location	Current Use
South	• Three-story residential building • Eagle Street • Three-story factory • Four-story residential buildings • Four-story residential and commercial building • Two-story residential building • Three-story residential building • Four-story residential building • One-story commercial building	• 63 Eagle Street • Public Street • 32 Eagle Street • 225 – 215 Franklin Street • 68 Eagle Street • 254 Franklin Street • 252 Franklin Street • 250 Franklin Street • 246 Franklin Street	• Three-story residential building • Public Street • Three-story factory • Four-story residential buildings • Four-story residential building with 1st floor commercial (occupied by a church) • Two-story residential building • Three-story residential building • Four-story residential building • One-story commercial building (occupied by a automobile repair facility)
West	• Parking areas • "NYCDEP Newtown Creek Plant Sludge Storage"	• Parking areas • "NYCDEP Newtown Creek Plant Sludge Storage"	• Parking areas • "NYCDEP Newtown Creek Plant Sludge Storage"

The Site is located in a highly developed urban area of Brooklyn consisting primarily of low-rise residential and commercial buildings.

The Site is bordered to the north by Dupont Street, followed by a playground ("Greenpoint Playground") and a three-story factory ("Harte & Company"), followed by Commercial Street and a vacant lot ("New York City Housing Authority"). To the east of the Site is Franklin Street, followed by low-rise (two- to four-story) residential and commercial buildings (occupied by residential units and grocery stores).

South of the Site is a three-story residential building, followed by Eagle Street, followed by a three-story factory, low-rise (two- to four-story) residential buildings, a church, and an automobile repair facility. The Site is bordered to the west by paved parking areas and The New York City Department of Environmental Protection Newtown Creek Plant Sludge Storage.

RECs were identified as a result of the review of adjoining properties; specifically, the presence of an adjacent industrial facility and automobile repair facility.

The adjoining properties have not experienced significant changes since the most recent Sanborn Fire Insurance Map, dated 1996, except:

- The addition of a low-rise (three-story) residential building, adjacent and south of the Site, at 62 Eagle Street. Historically, this property was developed as "Roamer Linen Supply Co".

Refer to applicable portions of Sections 5.0 and 6.0 for descriptions of the historical uses of the surrounding areas and for the results of review of regulatory agency databases.

5.0 HISTORICAL USE RESEARCH

5.1 Land Title Records and Tax Records

TRC reviewed prior ownership information for the Site provided by the New York City Department of Finance Office of the City Registrar. Public deed records and tax records from 1981 to 2005 were reviewed. The current owner of the Site is listed as Greenpoint Landing Associates, L.L.C. Deed information is presented in the tables below.

Block 2494, Lot 1:

Year	Deed Listings
2005	Lumber Exchange Terminal, Inc. to Greenpoint Landing Associates, L.L.C.
1989	Green Street Terminal Corporation to Oceania Trading and Shipping
1983	Oceania Trading & Shipping to Green Street Terminal Corporation

The review of current and historical ownership information did not reveal evidence of a REC associated with prior ownership of the Site. Copies of the Office of the City Registrar documents are presented in *Appendix K*.

5.2 Historical USGS Topographic Quadrangles

TRC reviewed available historical USGS topographic quadrangles provided by EDR for information regarding past uses of the Site and surrounding properties. The following table presents descriptions and interpretations from review of historical USGS topographic quadrangles.

Year	Comments
1900 Brooklyn, 1:62,500 scale	**Site:** The Site appears to be developed. No indications of occupants or use(s) are discernable. **Surrounding Properties**: The Surrounding properties are sparsely developed. The East River is approximately 500 feet west of the Site. Newtown Creek appears north of the Site. "Calvary Cemetery" is east of the Site. No indications of occupants or use(s) are discernable.
1947 Brooklyn, 1:25,000 scale	**Site:** No changes from the previous topographic map are noted. **Surrounding Properties**: Surrounding properties are developed. "St. Anthony's" is southeast of the Site. "Long Island Depot" is north of the Site. "McCarren Park" is southeast of the Site. "Cooper Park" is southeast of the Site. "Gas Holder BUG Co." is southeast of the Site, adjacent to "Cooper Park". "Gas tanks" are south of the Site, adjacent to "McCarren Park". The "Williamsburg Bridge" is southwest of the Site. No other significant changes from the previous topographic map are noted.
1956 Brooklyn, 1:24,000 scale	**Site:** No changes from the previous topographic map are noted. **Surrounding Properties**: "Franklin Street" is east of the Site, followed by "Manhattan Avenue". "Dupont Street" is north of the Site. "West Street" is southwest of the Site. "Eagle Street" is south of the Site, followed by "Freeman Street". "PS 31" is east of the Site, across Franklin Street. "St. Anthony's" is now labeled "St. Anthony's of Padua School". "JH 126" is southeast of the Site. "Long Island Depot" is now labeled "Terminal Yards". Several "gas tanks" are southeast of the Site, adjacent to "Cooper Park". "Gas tanks" are northeast of the Site, adjacent to Newtown Creek. "Radio Towers (WNYC)" are northwest of the Site. No other significant changes from the previous topographic map are noted.

Year	Comments
1967 Brooklyn, 1:24,000 scale	**Site:** No changes from the previous topographic map are noted. **Surrounding Properties:** "Sewage Disposal" is southeast of the Site. "Gas tanks" are no longer shown adjacent to "McCarren Park". "Holy Family School" is southeast of the Site adjacent to "McCarren Park", followed by "Brooklyn High School of Auto Trades". "St. Alphonsus School" is southeast of the Site. No other significant changes from the previous topographic map are noted.
1979 Brooklyn, 1:24,000 scale	**Site:** No changes from the previous topographic map are noted. **Surrounding Properties**: No significant changes from the previous topographic map are noted.
1995 Brooklyn, 1:24,000 scale	**Site:** No changes from the previous topographic map are noted. **Surrounding Properties**: No significant changes from the previous topographic map are noted.

The review of the historical USGS topographic quadrangles did not reveal the presence of recognized environmental conditions at the Site and surrounding areas, nor did it reveal any indications of historic filling or significant changes in topography. Copies of the historical USGS topographic quadrangles are included in *Appendix F*.

5.3 Historical Aerial Photographs

TRC reviewed aerial photographs of the Site and surrounding areas provided by EDR in order to identify historical land uses that may have involved hazardous substances and petroleum products. The dates of the photographs reviewed ranged from 1954 to 2006. The following table summarizes descriptions and interpretations from the aerial photography reviews:

Year	Comments
1954	**Site**: The Site appears to be developed. No indications of occupants or use(s) are discernable. **Surrounding Properties**: The surrounding properties are developed with what appear to be low-rise residential and commercial buildings. The East River is approximately 500 feet west of the Site.
1966	**Site**: No changes from the previous aerial photograph are noted. **Surrounding Properties**: No significant changes from the previous aerial photograph are noted.
1975	**Site**: The Site appears developed as a low-rise commercial building. **Surrounding Properties**: The "New York City Pollution Control Sludge Storage" appears adjacent and west of the Site. No other significant changes from the previous aerial photograph are noted.
1984	**Site**: No changes from the previous aerial photograph are noted. **Surrounding Properties**: No significant changes from the previous aerial photograph are noted.
1994	**Site**: No changes from the previous aerial photograph are noted. The photograph is of poor quality. **Surrounding Properties**: No significant changes from the previous aerial photograph are noted. The photograph is of poor quality.
2006	**Site**: The Site is developed with a low-rise commercial building, trailer, and associated parking areas. The Site is shown in its current configuration. **Surrounding Properties**: No significant changes from the previous aerial photograph are noted.

The review of aerial photographs did not indicate the presence of recognized environmental conditions at the Site and surrounding areas. Copies of reproducible aerial photographs are included in *Appendix G*.

5.4 Historical Fire Insurance Maps (Sanborn Maps)

A search for historical fire insurance maps for the Site and adjoining properties was conducted by EDR. The following table presents descriptions and interpretations from historical fire insurance map review. Descriptions presented in bold font are considered RECs.

Year	Comments
1887	**Site:** The Site is developed with a three-story property labeled "Franklin Hall" and a portion of a two-story residential dwelling. The Site is not shown in its current configuration. **Surrounding Properties**: Surrounding properties are developed with low-rise (one- to three-story) residential and commercial buildings. "Dupont Street" appears north of the Site, followed by "Commercial Street". "Franklin Street" appears east of the Site. "West Street" appears west of the Site. "Eagle Street" appears south of the Site, followed by "Freeman Street". Southwest of the Site across Eagle Street is a property labeled "J.H. Searles Veneer Factory", followed by a property labeled "Blacksmith" and a property labeled "Gaskell, Greenlie & Co". **North of the Site across Dupont and Commercial Streets is a property labeled "Reeves & Church Lumber Yard",** followed by a property labeled "Boat Shop". Southwest of the Site on the corner of Freeman Street and West Street is a property labeled "Machine Shop". Southwest of the Site, on West Street and Huron Street is a property labeled "John C. Orr & Company" with lumber storage, followed by a "Theodore S. Bird Shipyard". Southwest of the Site across West Street is a property labeled "C. Winant's Spar Yard". **Southwest of the Site on Freeman Avenue is a property labeled "A.K. Meserole & Co. Coal Yard" with a one-story "lime shed", followed by a property labeled "New York Dye Wood Extract and Chemical Company with approximately 15 wooden dye tanks, logwood and oil storage, and a tank house".** South of the Site, on West Street between Freeman and Greene Streets, is a property labeled "Lubricator Factory".
1905	**Site:** The Site is developed with low-rise commercial buildings and stables. The Site is not shown in its current configuration. **Surrounding Properties**: Surrounding properties are mostly developed with low-rise residential, commercial, and industrial structures. Adjacent and southeast of the Site is a property labeled "International Mahogany Co". North of the Site across Dupont and Commercial Streets the properties formerly labeled "Reeves & Church Lumber Yard" and "Boat House" are no longer shown. **North of the Site across Dupont and Commercial Streets is a property labeled "Bergen Co. Lumber Yard".** Northeast of the Site across Franklin Avenue is a property labeled "East River Co. Silexco Soap". Northeast of the Site, across Franklin Avenue on Dupont Street is a property labeled "Blacksmith", followed by a several properties labeled "Logan Iron Works". Northeast of the Site, across Franklin Avenue on Dupont Street is a property labeled "Gaites Peace & Co." and a property labeled "Abendroth & Stein Sheet Metal Works". "J.H. Searles Veneer Factory" is no longer shown. **South of the Site across Eagle Street is a property labeled "A.W. Barnes Soap Works" with tanks and a coal shed.** Southwest of the Site on West Street is a property labeled "P.M Dingee Lumber Shed". "Gaskell, Greenlie & Co" is now labeled "Wm Gaskell & Son". Southwest of the Site on West Avenue the property formerly labeled "Machine Shop" is now labeled "Machine & Bult Shop". Southwest of the Site across West Street the property formerly labeled "C. Winant's Spar Yard" is no longer shown. **West of the Site across West Street is a property labeled "Nesmith and Constantine Log Storage Yard".** East of the Site across Franklin Avenue is a property labeled "Hinds & Co Mineral Water Works". East of the Site on Franklin Avenue is a property labeled "Public School No. 31". East of the Site, on the corner of Dupont Street and Manhattan Avenue is a property labeled "Packing House" with several "rendering tanks". No other significant changes are noted from the previous Sanborn Map.

Year	Comments
1916	**Site: The Site is developed with low-rise commercial buildings including an automobile repair shop and garage with pump house and gasoline underground storage tank (UST).** This Site is not shown in its current configuration. **Surrounding Properties:** North of the Site across Dupont and Commercial Streets is a property labeled "Alberene Stone Co., Tub Storage". Northeast of the Site, on the corner of Clay Street and Manhattan Avenue is a property labeled "Edwards Hotel". The "N.Y. State Barge Canal Terminal" appears north of the Site, across Dupont and Commercial Streets. "International Mahogany Co". is no longer shown. East of the Site on Franklin Avenue the property formerly labeled "Public School No. 31" is now labeled "Samuel Dupont School". Southeast of the Site on Freeman Avenue is a property labeled "Greenpoint Metallic Bed Co". Southeast of the Site on Freeman Avenue is a property labeled "Garage", followed by a property labeled "Prepared Foilage MFG". Northeast of the Site, across Franklin Avenue on Dupont Street, the properties formerly labeled "Blacksmith" and "Logan Iron Works" are no longer shown and a property labeled "Post & McCord Warehouse" is now shown. The property formerly labeled "Gaites Peace & Co" is no longer shown and a property labeled "Recooperage" is now shown with three (3) air compressors. Northeast of the Site, across Franklin Avenue on Dupont Street, the property formerly labeled "Abendroth & Stein Sheet Metal Works" is now labeled "John Stein Sheet Metal Works". South of the Site across Eagle Street is a property labeled "Gotham Can Co". West of the Site across West Street the property formerly labeled "Nesmith and Constantine Log Storage Yard" is no longer shown. **Southwest of the Site on West Street the property formerly labeled "P.M Dingee Lumber Shed" is now labeled "Export Auto Case Co".** No other significant changes are noted from the previous Sanborn Map.
1942	**Site: The Site is developed with a property labeled "Lumber" with pump house and gasoline UST.** The Site is not shown in its current configuration. **Surrounding Properties**: Adjacent and north of the Site is a "public park" with a "comfort station". North of the Site across Dupont and Commercial Streets is a property labeled "Greenpoint Coal Docks, Inc". North of the Site across Dupont and Commercial Streets the property formerly labeled "Alberene Stone Co." is no longer shown. North of the Site across Dupont and Commercial Streets, the property formerly labeled "Bergen Co. Lumber Yard" is no longer shown. Northeast of the Site, across Franklin Avenue on Dupont Street, the properties formerly labeled "Post & McCord Warehouse", "Recooperage", and "John Stein Sheet Metal Works" are no longer shown. Northeast of the Site on Clay Street is a property labeled "Metal Wood Box MFG". Northeast of the Site across Franklin Avenue is a property labeled "Scrap Metal", followed by a property labeled "Iron Works". Northeast of the Site and adjacent to the "Edwards Hotel" is a property labeled "Prntg". **Adjacent and south of the Site is a property labeled "Roamer Linen Supply Inc. Steam Laundry".** Southwest of the Site across Eagle Avenue the properties formerly labeled "A.W. Barnes Soap Works", "Machine & Bult Shop, "Wm Gaskell & Son", and "Blacksmith" are no longer shown. **.** Southwest of the Site on West Street the property formerly labeled "Export Auto Case Co." is no longer shown. South of the Site across Eagle Street the property formerly labeled "Gotham Can Co." is no longer shown. **South of the Site across Eagle Street is a property labeled "Long Island Coat, Apron, & Linen Supply Co".** Southeast of the Site on Freeman Avenue the property formerly labeled "Greenpoint Metallic Bed Co" is no longer shown. Southeast of the Site on Freeman Avenue the property formerly labeled "Prepared Foilage MFG" is now labeled "Warehouse Furniture". East of the Site across Franklin Avenue the property formerly labeled "Hinds & Co Mineral Water Works" is no longer shown. East of the Site, on the corner of Dupont Street and Manhattan Avenue the property formerly labeled "Packing House" is no longer shown. East of the Site, across Franklin Avenue on Dupont Avenue, is a property labeled "Parish School of Sts. Cyril and Methodosius". No other significant changes are noted from the previous Sanborn Map.

Year	Comments
1951	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties: "Long Island Coat, Apron, & Linen Supply Co" has expanded.** Northeast of the Site across Franklin Avenue the property formerly labeled "Scrap Metal" is no longer shown. **Northeast of the Site on Clay Street is a property labeled "Harte & Co. Inc. Division Chemical Fabrics Co. MFG Plastic Film".** Northeast of the Site on Clay Street the property formerly labeled "Metal Wood Box MFG" is no longer shown. Southeast of the Site on Freeman Avenue the property formerly labeled "Garage" is now labeled "Furne Warehouse". **Southeast of the Site across Franklin Avenue is a property labeled "Dry Cleaning" and "Pressing".** Southeast of the Site across Franklin Avenue is a property labeled "Warehouse". The "N.Y. State Barge Canal Terminal" is now labeled "City of N.Y. Dupont St. Pier". **Southeast of the Site on Eagle Street is a property labeled "Auto Rep".** "Lumber Storage" is shown west of the Site across West Street. No other significant changes are noted from the previous Sanborn Map.
1965	**Site:** The Site is developed with a one-story property labeled "Trim Saw". The Site is not shown in its current configuration **Surrounding Properties: "Long Island Coat, Apron, & Linen Supply Co" is now labeled "Consolidated Laundries Corporation". North of the Site across Dupont and Commercial Streets the property formerly labeled "Greenpoint Coal Docks, Inc" is now labeled "Lumber Exchange Terminal Inc".** Northeast of the Site, on Dupont Street, are two (2) properties labeled "MFG". Northeast of the Site across Franklin Avenue the property labeled "Iron Works" is no longer shown. Northeast of the Site and adjacent to the "Edwards Hotel" the property formerly labeled "Prntg" is no longer shown. **Southeast of the Site across Franklin Avenue the property formerly labeled "Warehouse" is now labeled "Auto Painting".** Southeast of the Site on the corner of Franklin Avenue and Freeman Avenue is a property labeled "Prntg". **Southeast of the Site on Eagle Street the property formerly labeled "Auto Rep" is now labeled "Auto Painting".** No other significant changes are noted from the previous Sanborn Map.
1978	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** "Lumber Storage" is shown adjacent and west of the Site followed by "New York City Pollution Control Sludge Storage". Southeast of the Site on the corner of Franklin Avenue and Freeman Avenue the property formerly labeled "Prntg" is no longer shown. Southeast of the Site across Franklin Avenue the property formerly labeled "Dry Cleaning" and "Pressing" is no longer shown. East of the Site on Franklin Avenue the property formerly labeled "Samuel Dupont School" is no longer shown. "Lumber Exchange Terminal Inc" is no longer shown. "City of N.Y. Dupont St. Pier" is no longer shown. No other significant changes are noted from the previous Sanborn Map.
1979	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** No significant changes are noted from the previous Sanborn Map.
1980	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** No significant changes are noted from the previous Sanborn Map.
1981	**Site:** No significant changes from the previous Sanborn Map are noted. The map is of poor quality. **Surrounding Properties:** No significant changes are noted from the previous Sanborn Map. The map is of poor quality.
1983	**Site:** No significant changes from the previous Sanborn Map are noted. The map is of poor quality. **Surrounding Properties:** No significant changes are noted from the previous Sanborn Map. The map is of poor quality.
1986	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** No significant changes are noted from the previous Sanborn Map.
1987	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** No significant changes are noted from the previous Sanborn Map.

Year	Comments
1988	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** "Lumber Storage" is shown west of the Site, across West Street. No other significant changes are noted from the previous Sanborn Map.
1989	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** "Consolidated Laundries Corporation" is no longer shown. No other significant changes are noted from the previous Sanborn Map.
1991	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** Southeast of the Site on Eagle Street is a property labeled "Church". No other significant changes are noted from the previous Sanborn Map.
1992	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** No significant changes are noted from the previous Sanborn Map.
1993	**Site:** No significant changes from the previous Sanborn Map are noted. The map is of poor quality. **Surrounding Properties:** No significant changes are noted from the previous Sanborn Map. The map is of poor quality.
1995	**Site:** No significant changes from the previous Sanborn Map are noted. **Surrounding Properties:** East of the Site, across Franklin Street on Dupont Street, is a property labeled "Senior Citizen Housing". **North of the Site across Dupont and Commercial Streets is a property labeled "Two Guys Towing and Auto Repair"** followed by a "playground". No other significant changes are noted from the previous Sanborn Map.
1996	**Site:** No significant changes from the previous Sanborn Map are noted. The map is of poor quality. **Surrounding Properties:** No significant changes are noted from the previous Sanborn Map. The map is of poor quality.

As a result of the review of Historic Sanborn Maps, the following RECs were identified:

- The historic (circa 1916) use of the Site as an automobile repair facility and garage.
- The historic (from approximately 1916 to at least 1951) presence of a gasoline underground storage tank on-Site.
- This historic (from at least 1951 to approximately 1978) presence of a dry cleaning facility upgradient of the Site.
- The historic (since at least 1951) presence of automobile repair facilities in close proximity (i.e., adjacent or upgradient) of the Site.
- The historic (from at approximately 1887 to at least 1996) uses of adjacent properties as lumber yards, chemical facilities, and commercial laundries.

Note that properties located north and northwest of the Site which would typically be considered RECs (i.e., printing facilities) were not listed as such based on the presumed down-gradient hydraulic direction or considerable distance from the Site.

Copies of the historic Sanborn Fire Insurance Maps are included in *Appendix H*.

5.5 City Directories

A review of historic city directories was conducted by EDR. The following table presents descriptions and interpretations from the historical city directory reviews:

Year	Comments
1928	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1934	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1940	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1945	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1949	**Site:** Addresses not listed **Surrounding Properties**: Residential listing on Dupont Street.
1960	**Site:** Addresses not listed **Surrounding Properties**: "Gruenberg Electric Co. Inc." is listed for 9 Commercial Avenue. "Century Elec. Co. Motors" is listed for 7 Commercial Avenue. Residential listing on Dupont Street.
1965	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1970	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1973	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1976	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1980	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1985	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1992	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
1997	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
2000	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed
2005	**Site:** Addresses not listed **Surrounding Properties**: No addresses listed

There were no RECs identified from the review of the Historic City Directory Abstracts. Copies of the historic City Directory Abstracts are included in *Appendix J.*

5.6 Prior Reports

TRC reviewed the Phase I Environmental Site Assessment (ESA) Report and Phase II ESI Report (the "AKRF Reports") prepared by AKRF, Inc. for the property known as Greenpoint Lumber Yard, located in Brooklyn, New York. The AKRF Reports were prepared for Park Tower Realty Corporation and are dated July and October, 2001, respectively. The Site is located on a portion of the Greenpoint Lumber Yard property (identified as a portion of "Area 8" in the AKRF Reports). According to the AKRF Phase I ESA Report, Block 2494, Lot 1 was historically occupied by residential dwellings and stores (from at least 1887-1905), a garage and automobile repair shop with a pump house and an underground storage

tank (circa 1916), vacant land (circa 1951), and the Lumber Exchange Terminal Inc. (from at least 1965 to 2000). "Far Better Towing, Inc. / R-D Towing Corporation was the occupant of the Site at the time the AKRF Phase I ESA Report was prepared (July 2001). The AKRF Phase I ESA Report indicated that the Site is occupied by an office trailer and one-story brick automobile repair shop and is used to repair, park, and auction seized vehicles.

The evaluation of the Phase I ESA Report revealed recognized environmental conditions (RECs) consisting of the historical and current use of the Site as an automobile repair facility and for automobile parking, the presence of an underground storage tank and 275-gallon abandoned aboveground storage tank on-Site; the presence of a hydraulic lift system on-Site; the presence of petroleum products stored on-Site; the presence of upgradient RCRA generators with Class One RCRA violations; and the historical uses of adjacent properties as a lumber yard where pressure treatment was performed. Additionally, the Phase I ESA Report indicated that the Site is located in an area that was historically occupied by manufacturing operations with underground storage tanks and automobile repair activities.

Based on the findings of the Phase I ESA, AKRF performed a Phase II ESI at the property known as Greenpoint Lumber Yard. The Phase II ESI consisted of the completion of five (5) soil borings and five (5) soil borings/groundwater monitoring wells, and the collection of soil and groundwater samples for laboratory analysis. None of these borings and/or monitoring wells are located on-Site. However, one (1) groundwater monitoring well ("MW-4") is located immediately adjacent and southwest of the Site. Several semi-volatile organic compounds (SVOCs) and metals were detected in soil samples exceeding the TAGM 4046 Recommended Soil Cleanup Objectives (RSCOs) in MW-4, which were considered indicative of petroleum contamination. VOCs and SVOCs were not detected in groundwater.

Due to the confidential nature of the reports, copies are not included as an Appendix to this report.

5.7 Other Historical Sources

There were no other historical sources reviewed in preparing this report.

5.8 Historical Use Interviews

No historical use interviews were conducted since the Site owner or representative was not available.

5.9 Historical Use Summary

The following table summarizes the findings of the research pertaining to historical Site use:

YEARS	HISTORICAL USES		SOURCE(S)	COMMENTS
	Site	Surrounding Properties		
1887-1905	Site is developed with residential and commercial buildings.	Developed with residential, commercial, and industrial structures	Historic Sanborn Maps	Earliest records identified; Adjacent properties occupied as lumber yards, chemical facilities, and commercial laundries (from approximately 1887 to at least 1996)

YEARS	HISTORICAL USES		SOURCE(S)	COMMENTS
	Site	Surrounding Properties		
Circa 1916	The Site is developed with low-rise commercial buildings including an automobile repair shop and garage with pump house and gasoline underground storage tank (UST).	Developed with residential, commercial, and industrial structures	Historic Sanborn Maps	Adjacent properties occupied as lumber yards, chemical facilities, and commercial laundries (from approximately 1887 to at least 1996)
1942-1951	The Site is developed with a property labeled "Lumber" with pump house and gasoline UST.	Developed with residential, commercial, and industrial structures	Historic Sanborn Maps	Adjacent properties occupied as lumber yards, chemical facilities, and commercial laundries (from approximately 1887 to at least 1996); Automobile repair facilities in close proximity to the Site (since at least 1951); Dry cleaning facility upgradient of the Site (from at least 1951 to approximately 1978)
1965-1996	The Site is developed with a property labeled "Trim Saw" and is used for lumber storage.	Developed with residential, commercial, and industrial structures	Historic Sanborn Maps	Adjacent properties occupied as lumber yards, chemical facilities, and commercial laundries (from approximately 1887 to at least 1996); Automobile repair facilities in close proximity to the Site (since at least 1951); Dry cleaning facility upgradient of the Site (from at least 1951 to approximately 1978)
From at least 2001-Present	The Site is developed as a one-story automobile repair facility, office trailer, and paved parking areas.	Developed with residential and commercial structures	Site Visit	Automobile repair facility in close proximity to the Site

As a result of the review of the historic records for the Site, RECs were identified and consist of the following:

- The historic (circa 1916) use of the Site as an automobile repair facility and garage.

- The historic (from approximately 1916 to at least 1951) presence of a gasoline underground storage tank on-Site.

- This historic (from at least 1951 to approximately 1978) presence of a dry cleaning facility upgradient of the Site.

- The historic (since at least 1951) presence of automobile repair facilities in close proximity (i.e., adjacent or upgradient) of the Site.

- The historic (from at approximately 1887 to at least 1996) uses of adjacent properties as lumber yards, chemical facilities, and commercial laundries.

6.0 REGULATORY AGENCY RECORD REVIEWS

The database search results discussed in this section, provided by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut, were reviewed for information regarding documented and/or suspected releases of regulated hazardous substances and/or petroleum products on or near the Site. TRC also reviewed the "un-mappable" (also referred to as "orphan") listings within the database report, cross-referencing available address information and facility names. Un-mappable sites are listings that cannot be plotted with confidence, but are identified as being located within the general area of the Site based on the partial street address, city name, or zip code. In general, a listing cannot be mapped due to inaccurate or incomplete address information in the database that was supplied by the corresponding regulatory agency. Any listings from the un-mappable summary which were identified by TRC as a result of the area reconnaissance and/or cross-referencing to mapped listings are included in the corresponding database discussion within this section.

6.1 Federal and State Regulatory Agency Database Reviews

A review of federal and state records for the Site was accomplished by contacting offices of federal and state regulatory agencies and review of the listings compiled in the regulatory agency database search report (*Appendix I*). The results of the review of the federal and state records are presented below. Copies of the correspondence are included in *Appendix L*.

United States Environmental Protection Agency (USEPA)
The USEPA is responsible for protecting human health and the environment. To that end, the USEPA develops and enforces regulations that implement environmental laws enacted by Congress. USEPA is responsible for researching and setting national standards for a variety of environmental programs, and, in certain instances, delegates to states and tribes the responsibility for issuing permits and for monitoring and enforcing compliance.

A Freedom of Information Law (FOIL) request dated May 16, 2008 was filed with the USEPA to determine if the agency holds additional records pertaining to the Site. As of the date of preparation of this report, no response has been received. Upon receipt of a response, TRC will review the response and, if conclusions contained within this report are affected, TRC will submit an addendum to the NYCSCA.

New York State Department of Environmental Conservation (NYSDEC)
The NYSDEC is responsible for protecting New York State's natural resources and environment, and controlling water, land and air pollution.

A Freedom of Information Law (FOIL) request dated May 16, 2008 was filed with the NYSDEC to determine if the agency holds additional records pertaining to the Site. As of the date of preparation of this report, no response has been received. Upon receipt of a response, TRC will review the response and, if conclusions contained within this report are affected, TRC will submit an addendum to the NYCSCA.

New York State Department of Health (NYSDOH)
The NYSDOH Bureau of Environmental Exposure Investigation is responsible for investigating the potential for human exposure from environmental contamination, primarily at inactive hazardous waste sites. Activities include water sampling and treatment; dump site, construction site, and spill investigations; and emergency event investigations. For every state, federal superfund, Brownfield, and voluntary clean-up site, a bureau specialist is assigned to coordinate and communicate health-related activities.

A Freedom of Information Law (FOIL) request dated May 16, 2008 was filed with the NYSDOH to determine if the agency holds additional records pertaining to the Site. As of the date of preparation of this report, no response has been received. Upon receipt of a response, TRC will review the response and, if conclusions contained within this report are affected, TRC will submit an addendum to the NYCSCA.

A summary of sites identified through review of the Federal and State regulatory agency databases is provided in the following table:

Federal and State List	Last Updated	Search Radius*	No. of Sites within Search Radius	Site Appears on List	RECs Identified
National Priorities List for Federal Superfund Cleanup (NPL)	01/31/2008	1 mile	0	No	No
De-listed NPL Site List	01/31/2008	½ mile	0	No	No
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), including CERCLIS NFRAP Sites	01/09/2008 and 12/03/2007	½ mile	0	No	No
Resource Conservation and Recovery Information System – Corrective Action Activity (RCRIS CORRACTS) and Non-CORRACTS Treatment, Storage, or Disposal Facilities (RCRIS-TSD)	03/26/2008 and 03/06/2008	1 mile / ½ mile	2	No	No
Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans)	03/06/2008	¼ mile	1**	No	**Yes**
Federal Institutional Control/Engineering Control Registries	04/04/2008	Site	NA	No	No
Emergency Response Notification System (ERNS)	12/31/2007	Site	NA	No	No
Hazardous Substance Waste Disposal Site Inventory (HSWDS)	01/01/2003	½ mile	0	No	No
New York State Inactive Hazardous Waste Disposal Sites (SHWS)	02/05/2008	1 mile	0	No	No
New York State Deleted Inactive Hazardous Waste Disposal Sites (DEL SHWS)	02/05/2008	1 mile	2	No	No
Solid Waste Management Facilities Sites (SWMF)	01/03/2008	½ mile	6	No	No
New York State Spills Information (NY Spills)/Leaking Underground Storage Tanks (LTANKs)	02/05/2008	½ mile	152/21	No	**Yes**
Petroleum Bulk Storage Tanks (USTs/ASTs)	12/06/2007	¼ mile	12/10	No	**Yes**

Federal and State List	Last Updated	Search Radius*	No. of Sites within Search Radius	Site Appears on List	RECs Identified
Chemical Bulk Storage Tanks (USTs/ASTs)	12/06/2007	¼ mile	1	No	**Yes**
State Toxic Release Inventory System (TRIS)	12/31/2006	Site	NA	No	No
New York State Voluntary and Brownfield Cleanup Program Sites (VCP/BCP)	02/05/2008	1 mile	4/0	No	No
Registered Dry Cleaners	06/15/2004	¼ mile	1	No	No
NY Manifest	02/15/2008	¼ mile	15	No	**Yes**
Manufactured Gas Plant Sites (Coal Gas)	07/11/2002[2]	1 mile	4	No	No

* The surrounding area search radius indicates the radial area (measured from the perimeter of the Site) for which the database review was performed.
** The database search identified one (1) registered RCRA hazardous waste conditionally exempt small quantity generator (CESQG) and 14 RCRA non-generators (Non-Gen) within one-quarter mile of the Site.
[1]NA – Not Applicable
[2]This database consists of a compilation of historic resources (as early as the late 1800s) prepared by EDR that does not require updates. The last MGP in New York State ceased operations in 1972.

The Site location as listed in the regulatory database search report is located approximately 25 feet from the up-gradient Site perimeter, 50 feet from the cross-gradient Site perimeter, and 150 feet from the down-gradient Site perimeter. This information was used to calculate the search distances.

As the above table indicates, the Site is not listed in any of the databases.

The following subsections provide a discussion of the listings which have been identified within the search radii and are in the table above:

National Priorities List of Federal Superfund Cleanup (NPL)
The NPL is a subset of the CERCLIS, and lists properties that are ranked as high priority for cleanup under the federal Superfund program.

Neither the Site nor any other facility within one mile of the Site is listed in the NPL database.

Delisted NPL Site List
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the USEPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425 (e), sites where no further response is appropriate may be deleted from the NPL.

Neither the Site nor any other facility within one-half mile of the Site is listed in the Delisted NPL Site List.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
The CERCLIS list is a compilation of known and suspected uncontrolled or abandoned hazardous waste sites which are, or were, under investigation by USEPA but have not been elevated to the status of a Superfund (NPL) site. Former CERCLIS sites that have been granted the status of No Further Remedial Action Planned (NFRAP) are also included in the database.

Neither the Site nor any other facility within one-half mile of the Site is listed in the CERCLIS database.

Resource Conservation and Recovery Information System (RCRIS) – Treatment, Storage, or Disposal Facilities (TSD) and RCRIS Corrective Action Activity (CORRACTS)
The Resource Conservation and Recovery Act (RCRA) program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRIS database tracks facilities that treat, store, and/or dispose of hazardous waste as defined by RCRA (referred to as TSD facilities). The RCRIS CORRACTS database identifies TSD facilities that have conducted, or are currently conducting, corrective action(s) as regulated under RCRA.

Neither the Site nor any other facility within one-half mile of the Site is listed on the RCRIS-TSD database.

The Site is not listed in the RCRIS CORRACTS database. Two (2) sites are listed in the RCRIS CORRACT database within one mile of the Site. The addresses listed for the two (2) sites are cross-gradient and located across Newtown Creek. Considering these sites are located greater than one-half mile from the Site across Newtown Creek which provides a hydraulic barrier, the sites are not considered RECs.

Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans)
This list includes operations that generate or transport hazardous waste for which a hazardous waste generator identification number or transporter permit is required.

The database search identified one (1) RCRA large quantity generator (LQG) within one-quarter mile of the Site. The RCRA LQG listed in the RCRIS Gen/Trans database is located greater than one-eighth of a mile northeast (crossgradient) of the Site; therefore the site is not considered a REC.

Additionally, the database search identified one (1) registered RCRA hazardous waste conditionally exempt small quantity generator (CESQG) and 14 registered RCRA non-generators (Non-Gen) within one-quarter mile of the Site. The following sites listed in the RCRA Non-Gen database have the potential to impact the environmental integrity of the Site and are considered RECs:

Listing	Distance/Direction	Assumed Hydraulic Gradient	Map ID Number	Status/Available Data
"Dynamit Nobel-Harte, Inc.", 49-55 Dupont Street, Brooklyn, NY	<1/8 mile east-northeast	Crossgradient	A4 A5 A6 A7 A8	RCRA-Non Generator NYD001468354 and historical LQG with four (4) reported violations. The first violation was reported on July 1, 1986 for "generators-general" and compliance was achieved on January 30, 1987. The second violation was reported on January 27, 1987 for "generators-general" and compliance was achieved on January 27, 1987. The third violation was reported on August 21, 2001 for "listing-general" and compliance was achieved on September 11, 2001. The fourth violation was reported on May 7, 2002 for "generators-general" and compliance was achieved on June 5, 2002. This site is also listed on the Aerometric Information Retrieval System (AIRS), the National Compliance Database (NCDB), the New York – Facility Information System (FIS), and the NY Manifest database. This site is considered a REC since it is listed as a historical LQG with violations and is located adjacent to the Site.
"Con ED – V3283", 55 Dupont Street, Brooklyn, NY	<1/8 mile east-northeast	Crossgradient	A10	RCRA Non-Generator NYP004006656 and historical LQG with no reported violations. This location is also listed in the NY Manifest database because of the generation of hazardous waste including miscellaneous PCB wastes and petroleum oil. This location is listed as a REC since it is listed as a historical LQG and corresponds to the address listed for "Dynamit Nobel-Harte, Inc.", located adjacent to the Site (see description above).

Listing	Distance/Direction	Assumed Hydraulic Gradient	Map ID Number	Status/Available Data
"Pat & Doms Body & Fender Repair Inc.", 246 Franklin Street, Brooklyn, NY	<1/8 mile south-southeast	Crossgradient	29	RCRA-Non Generator NYD091584581 and historical SQG with no reported violations. This site is also listed on the NY Manifest database because of the generation of hazardous waste on-site including unknown waste. This site is considered a REC since it is listed as an automobile repair facility and is located in close proximity to the Site.

Listing	Distance/Direction	Assumed Hydraulic Gradient	Map ID Number	Status/Available Data
"Interflo Technologies", 19 Clay Street, Brooklyn, NY	<1/8 mile northeast	Crossgradient	33	RCRA-Non Generator NY0000374314 and historical SQG with 19 reported violations. The violations pertain to "TSD – general facility requirements", "TSD-financial requirements", "TSD-container use and management", "generators-general", "TSD-corrective action for SWMUs", "TSD-contingency plans and emergency procedures", "TSD-preparedness and prevention", "generators-records/reporting", "generators-pre-transport", "TSD-closure/post-closure", "TSD-general", "LDR-general", "Transporters-general", "Transporters-manifest and record keeping", "TSD-manifest/records/reporting", and "generators-manifest". All of the violations were reported on June 2, 1994 and compliance was achieved for all of the violations on or before August 1, 1995. This site is also listed on the NY Manifest database because of the generation of hazardous waste on-site including non-listed ignitable waste, halogenated solvents, and unknown waste. Additionally, this site is listed on the NCDB, the Integrated Compliance Information System (ICIS), and the Federal Insecticide, Fungicide, & Rodenticide Act (FIRFA) / Toxic Substances Control Act (TSCA) Tracking System (FTTS) (FTTS Inspection No. 19941118E2002 2). This site is considered a REC since the site has reported violations, has generated spent halogenated waste, and is located in close proximity to the Site.

The RCRIS Gen/Trans listing is merely a listing of all facilities that, due to the amount of hazardous waste generated, are required to register with the USEPA for tracking purposes, but are not necessarily those with reported contamination incidents. Based on distances, current regulatory status and the

absence of reported releases, the remaining facilities are unlikely to have an impact on the environmental integrity of the Site.

Federal Institutional Control/Engineering Control Registries
The Federal Institutional Control/Engineering Control Registries are listings of sites with engineering controls and/or institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining at a site. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or affect human health.

The Site is not listed in the Federal Institutional Control/Engineering Control Registries.

Emergency Response Notification System (ERNS)
The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances.

The Site is not listed in the ERNS database.

Hazardous Substance Waste Disposal Site Inventory (HSWDS)
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that USEPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared for. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites. The sites on the list will not automatically be made Superfund sites; rather each site will be further evaluated for listing on the Registry.

Neither the Site nor any other facility within one-half mile of the Site is listed in the HSWDS database.

New York State Inactive Hazardous Waste Disposal Sites (SHWS)

The New York State Inactive Hazardous Waste Disposal Sites database, compiled by the NYSDEC, maintains information regarding the investigation and cleanup of suspected hazardous waste sites.

Neither the Site nor any other facility within one-mile of the Site is listed in the SHWS database.

New York State Deleted Inactive Hazardous Waste Disposal Sites (DEL SHWS)
The New York State Deleted Inactive Hazardous Waste Disposal Sites database, compiled by the NYSDEC, maintains information regarding sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

The Site is not listed in the DEL SHWS database. Two (2) sites are listed in the DEL SHWS database within one mile of the Site. The addresses listed for the two (2) sites are potentially hydraulically crossgradient of the Site. However, considering the two (2) sites are located greater than one-half mile from the Site they do not represent RECs.

Solid Waste Management Facilities Sites (SWMF)
The SWMF database is a comprehensive listing of State permitted/recorded solid waste management facilities.

The Site is not listed in the SWMF database. Six (6) facilities are listed in the SWMF database within one-half mile of the Site. The six (6) SWMF facilities are all listed as "inactive". None of the SWMF facilities identified within the search radius are expected to have an impact on the environmental integrity of the Site due to their locations (i.e., hydraulically downgradient) and/or distances (i.e., greater than one-eighth mile from the Site).

New York State Spills Information Database (NY Spills)/Leaking Underground Storage Tanks (LTANKs)
The NY Spills database, including LTANK sites, was researched to identify listings within one-half mile of the Site.

The database search identified a total of 152 reported NY Spills and 21 LTANKs incidents within one-half mile of the Site. The following location listed in the NY Spills/LTANKs database has the potential to impact the environmental integrity of the Site and is considered a REC:

Listing	Distance/ Direction	Assumed Hydraulic Gradient	Map ID Number	Status/Available Data
"Manhole #64829", Franklin Avenue/ Dupont Street, Brooklyn, NY	<1/8 mile northeast	Crossgradient	A1 A2 A3	The location is listed in the NY Spills/LTANKs database due to a dielectric fluid spill affecting the sewer (Spill Case No. 9907940). According to the database report, four (4) gallons of dielectric fluid were released onto 1,500 gallons of water in "manhole #64829", possibly from a transmission feeder line. Reportedly, the spill is "not cleaned up yet" and "clean-up is pending results of testing". However, the NYSDEC closed the spill case on February 5, 2004. Since corrective action was not taken and the spill location is adjacent to the Site, this is considered a REC. This location is listed in the NY Spills/LTANKs database for two (2) additional spill cases (Spill Case Nos. 0006371 and 9903563). Spill Case No. 0006371 was reported to the NYSDEC when three (3) gallons of unknown petroleum were released onto 6,000-gallons of water in "manhole #64829". Reportedly, clean-up was completed on September 1, 2000 and the NYSDEC closed the spill case on June 3, 2004. Spill Case No. 9903563 was reported to the NYSDEC when 15 gallons of unknown petroleum were released onto 5,000 gallons of water in "manhole #64829". According to the regulatory agency database report, the spill case was being treated as a benzene contamination and "cathodic protection testing" was performed. Reportedly, 3,300 gallons of liquid and 100 pounds of material were removed from the manhole. The NYSDEC closed the Spill Case on January 30, 2004.

None of the remaining NY Spills/LTANKS facilities identified within the search radius are expected to have an impact on the environmental integrity of the Site due to the nature of the incidents, their closed status and/or their distances and locations with respect to presumed groundwater flow gradient direction.

Petroleum Bulk Storage Tanks (USTs/ASTs)
The NYSDEC petroleum bulk storage (PBS) tank database was researched to identify listings for the Site and adjacent properties.

A total of 22 PBS facilities were identified within one-quarter mile of the Site. The following site listed in the PBS tank database has the potential to impact the environmental integrity of the Site and is considered a REC:

Listing	Distance/ Direction	Assumed Hydraulic Gradient	Map ID Number	Status/Available Data
"Nuhart & Company", 49-55 Dupont Street, Brooklyn, NY	<1/8 mile east-northeast	Crossgradient	A4 A5 A6 A7 A8	This location is listed in the PBS database for 12 inactive closed in place USTs. This site is also listed on the AIRS database, the NCDB, the New York – FIS, the NY Manifest database, and the chemical bulk storage database (CBS Facility No. 2-000444). Additionally, this site is listed as RCRA non-generator NYD001468354 and historical LQG with four (4) reported violations. This site is considered a REC since it is listed as a historical LQG with reported violations and is located adjacent to the Site.

The PBS Tanks database is merely a listing of all facilities that are required to register their storage tanks for tracking purposes and not necessarily those with reported contamination incidents. Based on the absence of reported releases and/or distances from the Site, the remaining facilities listed in the PBS Tanks database are not expected to have an impact on the environmental integrity of the Site.

Chemical Bulk Storage Tanks (USTs/ASTs)
The NYSDEC chemical bulk storage (CBS) tank database was researched to identify listings for the Site and properties within the search radius.

The Site is not listed in the CBS section of the regulatory agency database search report. One (1) facility is listed within one-quarter mile of the Site. The following site listed in the CBS tank database has the potential to impact the environmental integrity of the Site and is considered a REC:

Listing	Distance/ Direction	Assumed Hydraulic Gradient	Map ID Number	Status/Available Data
"Nuhart & Company", 49-55 Dupont Street, Brooklyn, NY	<1/8 mile east-northeast	Crossgradient	A4 A5 A6 A7 A8	CBS Facility No. 2-000444. There is no further information provided in the regulatory agency database report regarding this listing. This site is also listed on the PBS database, the AIRS database, the NCDB, the New York – FIS, and the NY Manifest database. Additionally, this site is listed as RCRA non-generator NYD001468354 and historical LQG with four (4) reported violations. This site is considered a REC since it is listed as a historical LQG with reported violations and is located adjacent to the Site.

New York State Toxic Release Inventory System (TRIS)
The Toxic Release Inventory System (TRIS) is a database used to collect information and report releases of toxic chemicals to the air, water, and land in reportable quantities.

The Site is not listed in the TRIS database.

New York State Voluntary and Brownfield Cleanup Program Sites (VCP/BCP)
The Voluntary and Brownfield remedial programs involve mostly private entities and private funds to remediate contaminated sites and return the properties to productive use. The NYSDEC VCP/BCP database was researched to identify listings for the Site and within a one mile radius of the Site.

Neither the Site nor any other facility within one mile of the Site is listed in the BCP database.

The Site is not listed in the VCP database. Four (4) VCP sites were identified within one mile of the Site. None of the sites identified within the search radius are expected to have an impact on the environmental integrity of the Site due to their locations (i.e., hydraulically downgradient) and/or distance (i.e., greater than one-quarter mile from the Site).

Registered Dry Cleaners (NYSDEC)
The registered dry cleaners database was researched to identify listings within one-quarter mile of the Site.

The Site is not listed in the Registered Dry Cleaners database. The regulatory agency database search identified one (1) registered dry cleaner within one-quarter mile of the Site. The registered dry cleaning facility ("Aphrodite Cleaners") is located potentially hydraulically upgradient of the Site. However, considering the facility is located greater than one-eighth mile from the Site, the registered dry cleaning facility does not represent a REC.

NY Manifest

The NY Manifest database is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

There are fifteen (15) NY Manifest facilities listed in the regulatory agency database search report within one-quarter mile of the Site. The following site has the potential to impact the environmental integrity of the Site and is considered a REC:

Listing	Distance/Direction	Assumed Hydraulic Gradient	Map ID Number	Status/Available Data
"Nuhart & Co", 49-55 Dupont Street, Brooklyn, NY	<1/8 mile east-northeast	Crossgradient	A4 A5 A6 A7 A8	This location is listed on the NY Manifest database because of the generation of hazardous waste on-site including non-listed ignitable waste. This site is listed on the NCDB, the New York – FIS, the AIRS database, the PBS database, and the CBS database (CBS Facility No. 2-000444). Additionally, this site is listed as RCRA non-generator NYD001468354 and historical LQG with reported violations. This site is considered a REC since this site is listed as a historical LQG with violations and is located adjacent to the Site.
"Con ED – V3283", 55 Dupont Street, Brooklyn, NY	<1/8 mile east-northeast	Crossgradient	A10	This location is listed on the NY Manifest database because of the generation of hazardous waste on-site including PCB wastes and petroleum oil. This location is listed as RCRA non-generator NYP004006656 and historical LQG. This location is listed as a REC since it is listed as a historical LQG and corresponds to the address listed for "Nuhart & Co", located adjacent to the Site (see description above).
"Pat & Doms Body & Fender Repair Inc.", 246 Franklin Street, Brooklyn, NY	<1/8 mile south-southeast	Crossgradient	29	This location is listed on the NY Manifest database because of the generation of hazardous waste on-site including unknown waste. This site is also listed as RCRA non-generator NYD091584581 and historical SQG. This site is considered a REC since it is listed as an automobile repair facility and is located in close proximity to the Site.

Listing	Distance/Direction	Assumed Hydraulic Gradient	Map ID Number	Status/Available Data
"Interflo Technologies", 19 Clay Street, Brooklyn, NY	<1/8 mile northeast	Crossgradient	33	This location is listed on the NY Manifest database because of the generation of hazardous waste on-site including non-listed ignitable waste, halogenated solvents, and unknown waste. This site is listed as RCRA non-generator NY0000374314 and historical SQG with reported violations. This site is also listed on the NCDB, the ICIS, the AIRS and the FTTS databases. This site is considered a REC since the site has reported violations, has generated spent halogenated waste, and is located in close proximity to the Site.

The remaining facilities listed in the NY Manifest database are not expected to have an impact on the environmental integrity of the Site since the facilities do not have listed RCRA-violations associated with their hazardous waste generation activity, are located greater than one-eighth mile from the Site, or are located in a hydraulically cross- or down-gradient direction.

Manufactured Gas Plant Sites (Coal Gas)
Manufactured gas sites were used in the United States from the 1800's to the 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water and produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils, and other compounds are potentially hazardous to human health and the environment. The byproducts were frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination. The NYSDEC manufactured gas plant sites database was researched to identify any listings for the Site and within a one-mile radius of the Site.

The Site is not listed in the Manufactured Gas Plant Sites database. Four (4) Manufactured Gas Plant facilities are listed within one mile of the Site. None of the Manufactured Gas Plant sites within the search radius are expected to have an impact on the environmental integrity of the Site due to their location (i.e., hydraulically cross- or downgradient) and/or distance (i.e., greater than one-half mile from the Site).

Orphan Listings
A review of the Orphan Listings in the database search report indicated a total of forty (40) listings. The following Orphan sites have the potential to impact the environmental integrity of the Site and are considered RECs:

Listing	Distance/Direction	Assumed Hydraulic Gradient	Map ID Number	Status/Available Data
"Tax Block 2494, Lot 6", West Street, Brooklyn, NY	<1/8 mile west	Crossgradient	NA	This location is listed for an "E"-Designation associated with "window wall attenuation and alternate ventilation" and "underground gasoline storage tanks testing protocol". Since this property is located adjacent to the Site, the "E"-Designation for underground storage tanks testing protocol is considered a REC.
"Manhole #64829", Franklin Avenue/ Dupont Street, Brooklyn, NY	<1/8 mile northeast	Crossgradient	NA	This location is listed in the NY Manifest because of the generation of hazardous waste including cadmium, miscellaneous PCB wastes, and petroleum oil. This location is also listed as RCRA non-generator NYP004039392 and historic LQG with no reported violations. Since this location corresponds with the location listed in the NY Spills/LTANKs database for Spill Case Nos. 9907940, 0006371, and 9903563 and is located adjacent to the Site, this is considered a REC.

The remaining Orphan sites are not considered RECs based on their estimated distances from the Site (none adjacent or on the Site block) and/or the nature of the activity/release.

6.2 Local Regulatory Agency Research

A review of local records for the Site was accomplished by contacting offices of New York City regulatory agencies. The results of the review of local records are presented below. Copies of the correspondences are included in *Appendix L*.

New York City Department of Buildings (NYCDOB)
NYCDOB records for the Site were researched to determine whether there were any references to buildings, tanks or other structures, property use or inspection reports that may indicate the presence, past use, or release of hazardous substances, wastes or petroleum products on the Site.

Review of the NYCDOB records indicated that there are three (3) complaints and two (2) DOB violations recorded for the Site. There are no Environmental Control Board (ECB) violations recorded for the Site.

The three (3) complaints are associated with illegal electrical wiring, illegal stairway, and an illegal trailer and were all resolved; therefore no RECs were identified. The two (2) DOB violations are associated with construction and remain active. Based on the nature of the DOB violations, no RECs were identified from the DOB records review.

New York City Fire Department (FDNY)
The FDNY is responsible for the enforcement of local fire codes pertaining to the use and storage of flammable and hazardous materials. FDNY information concerning underground storage tanks, sealed or removed underground storage tanks, and history of leaks at the Site was requested in a record search form dated May 16, 2008.

TRC has not yet received a response from the department. Upon receipt of this information, TRC will review the response and, if conclusions contained within this report are affected, TRC will submit an addendum to the NYCSCA.

New York City Department of Health (NYCDOH)
The NYCDOH Bureau of Environmental Investigations (BEI) maintains files of health related environmental incidents in the City of New York. These incidents may include spills of hazardous chemicals, citizen complaints regarding asbestos issues, or reports of chemical odors or fumes. NYCDOH information concerning the Site was requested in a letter dated May 16, 2008.

TRC has not yet received a response from the department. Upon receipt of this information, TRC will review the response and, if conclusions contained within this report are affected, TRC will submit an addendum to the NYCSCA.

New York City Department of Environmental Protection (NYCDEP)
The NYCDEP maintains files of incidents involving environmentally regulated materials. The records maintained by the NYCDEP include reports of spills of hazardous chemicals and citizen complaints on environmental issues. NYCDEP information concerning the Site was requested in a letter dated May 16, 2008.

TRC has not yet received a response from the department. Upon receipt of this information, TRC will review the response and, if conclusions contained within this report are affected, TRC will submit an addendum to the NYCSCA.

7.0 USER RESPONSIBILITIES

7.1 Environmental Liens or Activity and Use Limitations

Environmental Data Resources, Inc. (EDR), in conjunction with National Real Estate Information Services, performed an environmental lien search for the Site. The results of the search indicate that no environmental liens or activity and use limitations associated with the Site were identified. The Environmental Lien Search Report is provided in *Appendix K*.

7.2 Valuation Reduction for Environmental Issues

There was no information available at the time of the assessment regarding the relationship of the purchase price of the property to the fair market value of the property. If information is received regarding valuation reduction for environmental issues which changes the conclusions or recommendations presented in this Report, an addendum will be submitted.

7.3 Knowledge or Experience of the User

There was no information available at the time of the assessment regarding the user's specialized knowledge or experience that is material to recognized environmental conditions in connection with the property.

7.4 Commonly Known or Reasonably Ascertainable Information

There was no information available at the time of the assessment regarding the user's knowledge of any commonly known or reasonably ascertainable information within the local community about the property that is material to recognized environmental conditions in connection with the property.

8.0 SITE RECONNAISSANCE AND INTERVIEWS

8.1 Methodology and Limiting Conditions

The Site reconnaissance was performed on May 27, 2008 by TRC representative Ms. Angela Hernandez. Ms. Hernandez was not escorted on the Site reconnaissance. An employee of "Far Better Towing", the current Site occupant, granted Ms. Hernandez access into the Site building. The temperature during the Site visit was approximately 70 degrees Fahrenheit and it was partly cloudy.

8.2 Site Reconnaissance

The Site is located at 235-241 Franklin Street, Brooklyn, New York 11222 (the "Site"). The legal description for the property is Block 2494, Lot 1. The Site occupies a portion of the block bordered by Dupont Street to the north, Franklin Street to the east, Eagle Street to the South, and paved parking areas and "New York City Department of Environmental Protection Newtown Creek Plant Sludge Storage" to the west.

The Site is located in an area that primarily consists of low-rise residential and commercial buildings. The Site is improved with a one-story automobile repair facility, office trailer, and paved parking areas. The Site encompasses approximately 20,000-square feet in area. The Site building occupies an approximately 1,250 square foot footprint.

The Site building is currently used as an automobile repair facility ("Far Better Towing"). The Site building has two (2) roll-up garage doors: one (1) on Franklin Avenue and one (1) in the rear of the Site building. Automobiles enter and exit the Site from an entrance on Franklin Street. Adjacent and north of the Site building is an office trailer. The office trailer was locked and therefore not inspected during the Site reconnaissance. Paved parking areas are located to the adjacent south and west of the Site building. There were approximately thirty (30) automobiles in the paved parking areas on the date of the Site reconnaissance. An eight (8) foot high metal fence surrounds the perimeter of the Site.

The Site building is divided into two (2) main areas. The northern portion of the Site building is a storage area. An air compressor, grease container, car batteries, battery chargers, tools, automobile parts, sealed bags of "vaporize rock salt", brake fluid, fire extinguisher, tire storage, and electrical power enclosures were observed in the northern portion of the Site building. The southern portion of the Site building is a storage and repair area. An electrical lift, tools, automobile parts, tire storage, a 5-gallon container of hydraulic oil, several empty gasoline containers, lockers, coolers, propane tanks, a ceiling-mounted fan, and two (2) refrigerators were observed in the southern portion of the Site building. A floor drain was observed adjacent to the electrical lift. Oil staining was noted on the floor throughout the Site building and this is considered a REC. According to an employee of Far Better Towing, operations at the Site include oil change services. Reportedly, waste oil is stored in drums, which are periodically picked-up by an outside source.

A pile of refuse consisting of tires, household waste, furniture, and a 55-gallon drum, presumably used for waste oil storage, were observed behind the Site building. On the north side of the Site building, adjacent to the office trailer, a portable bathroom, several garbage cans, a small open-top dumpster filled with household waste, and a refrigerator were observed.

The Site building is of brick construction with a flat wood framed roof. Interior finishes consist of painted brick walls and a concrete floor. According to a Far Better Towing employee, the roof of the

building has recently been repaired due to constant leakage. Electricity is supplied by Consolidated Edison Company of New York. There was no stationary heating equipment (e.g., boilers or furnaces) noted during the Site reconnaissance. Additionally there was no evidence of an aboveground storage tank or an underground storage tank (e.g., vent line or fill port) observed during the Site reconnaissance.

The Site is located in a highly developed urban area of Brooklyn consisting primarily of low-rise residential and commercial buildings.

The Site and adjoining properties have not experienced significant changes since the most recent Sanborn Fire Insurance Map dated 1996, discussed in Section 5.4, except:

- The Site was historically (from approximately 1942 to at least 1996) used for lumber storage. The Site currently is occupied by a one-story automobile repair facility, office trailer, and paved parking areas.

- The addition of a low-rise (three-story) residential building, adjacent and south of the Site, at 62 Eagle Street. Historically, this property was developed as "Roamer Linen Supply Co".

8.3 Current and Historical Interviews

The following knowledgeable persons were interviewed with regard to the Site pursuant to ASTM E 1527-05 Section 10:

8.3.1 Current Property Owner

Name	Title/Company	Years Associated with Site
Greenpoint Landing Associates, L.L.C.	Owner	3

The current owner of the Site is Greenpoint Landing Associates, L.L.C. Greenpoint Landing Associates, L.L.C. was unavailable for an interview at the time of the preparation of this report.

8.3.2 Current Site Operator or Key Site Manager

Site operators or key site managers were not available for interviews.

8.3.3 Site Occupants

Site occupants were not available for interviews.

8.3.4 Past Owners, Operators and Occupants

There were no prior owners or occupants available for interviews.

8.3.5 Report User

Name	Title/Company	Years Associated with Site
Ms. Anna Ciecierska	Project Manager/NYCSCA	<1

TRC was informed by Ms. Ciecierska of the NYCSCA that the NYCSCA is considering purchasing the Site for use as a public school.

8.4 Hazardous Substances and Petroleum Products Storage and Handling

8.4.1 Hazardous Substances

During the Site reconnaissance, TRC noted the presence of several small containers primarily of brake fluid and various aerosol cans. Evidence of a release (e.g., staining) was not observed associated with these materials and therefore, the presence of these containers is not considered a REC.

8.4.2. Petroleum Products Storage and Handling

During the Site reconnaissance at Lot 41, TRC noted the presence of the following:

- One (1) 5-gallon container of hydraulic oil.
- One (1) 55-gallon drum, presumably used for waste oil storage.
- Several containers of petroleum products throughout the Site building.

Oil staining was observed on the floor surface throughout the Site building, especially near the electric lift and floor drain. This is considered a REC.

8.5 Solid Waste Generation, Storage and Disposal

Solid waste generated on the Site is disposed of by the City of New York. During the Site reconnaissance, TRC noted the presence of a pile of refuse behind the Site building consisting of tires, household waste, furniture, and a 55-gallon drum, presumably used for waste oil storage. On the north side of the Site building, adjacent to the trailer office, are several garbage cans and a small open-top dumpster filled with household waste.

8.6 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) are toxic components of dielectric and hydraulic fluids that were formerly used in electrical equipment such as transformers and hydraulic elevators/lifts as well as in certain building products. The manufacture and use of PCBs was banned in the United States in 1978.

Suspect PCB-containing fluorescent light ballasts were noted throughout the Site building during the Site inspection. Exterior caulk was observed around the garage doors. Since the building was constructed before 1978, the potential for the presence of PCB-containing light ballasts and exterior caulk is considered an environmental concern.

8.7 Asbestos-Containing Material (ACM)

TRC conducted a limited visual survey (i.e., within accessible areas only) for the presence of suspect ACM within the Site. The intent of the survey was to identify exposed suspect ACM through preliminary non-destructive observations. In accordance with the SCA scope of services, no sampling of suspect ACM was performed during this investigation. Pursuant to applicable asbestos control regulations and guidelines, TRC considered any observed suspect materials to be asbestos-containing. The following table summarizes suspect ACM identified at the Site.

Material	Estimated Amount	Location	Friable	Condition
Exterior Caulk	50 sf	Throughout	No	Poor

The presence of suspect ACM is considered an environmental concern. Prior to Site renovation, a comprehensive asbestos survey should be performed and any ACM identified should be properly managed during Site demolition or renovation activities.

8.8 Lead-Based Paint (LBP) Survey

During the Site inspection, a limited visual assessment of all accessible painted surfaces was performed. No sampling or intrusive work was performed, as this is outside the scope of this Phase I ESA. In accordance with SCA's current interior LBP Inspection protocol, all painted interior surfaces are assumed to be LBP. For this Site, the interior painted surfaces were generally found to be in poor condition with evidence of damage or disrepair. Therefore, interior LBP is an environmental concern. Any interior paint that is damaged or in disrepair, or that may be disturbed in any way during construction activities, must be handled in accordance with SCA policies and procedures. Painted surfaces were observed on the exterior of the building. These surfaces include fencing and the exterior masonry façade. Any construction work that may disturb these painted surfaces should be inspected, and tested as appropriate, in accordance with SCA's current exterior LBP policies and procedures.

8.9 Regulatory Compliance

If the combined above ground and underground petroleum storage capacity on-Site exceeds 1,100 gallons, prior to demolition, the facility must be registered and closed in accordance with the requirements of NYSDEC petroleum bulk storage regulations (6 NYCRR 612 – 614). According to Historic Sanborn Maps, there was a gasoline underground storage tank (UST) on-Site from approximately 1916 to at least 1951. The capacity of the suspected on-Site UST is unknown. According to a prior Phase I ESA report prepared for the Site, there is an abandoned 275-gallon aboveground storage tank (AST) on-Site. The abandoned 275-gallon AST was not observed during the Site reconnaissance. There were no other potential regulatory compliance issues noted during the Site reconnaissance.

8.10 Other Environmental Conditions (Methane, mold, etc.)

During the Site inspection, an employee of Far Better Towing informed TRC that the Site building has a history of storm water leaks and the roof has recently been repaired due to this issue. There was no evidence of active mold growth at the Site.

Based on the review of historic sources, including Historic Sanborn Maps, topographic maps, and visual observations of the Site and surrounding area, it does not appear that the Site property was the subject of

historic filling or is located in an area of buried wetlands or other organic-rich deposits which would be a source of methane gas. Therefore, methane is not considered an environmental concern at the Site.

9.0 SUMMARY OF FINDINGS

The Site is located at 235-241 Franklin Street, Brooklyn, New York 11222 (the "Site"). The legal description for the property is Block 2494, Lot 1. TRC understands that the NYCSCA is contemplating the construction of a public school at this location.

The Site is improved by a one-story automobile repair facility, office trailer, and paved parking areas. The current owner of the Site, according to records maintained by the New York City Department of Finance, Office of the City Registrar, is Greenpoint Landing Associates, L.L.C. The Site encompasses approximately 20,000-square feet in area. The Site building occupies an approximately 1,250 square foot footprint. The Site is bounded to the north by Dupont Street followed by a playground, to the south by a three-story residential building followed by Eagle Street, to the west by paved parking areas and the "New York City Department of Environmental Protection Newtown Creek Plant Sludge Storage", and to the east by Franklin Street followed by low-rise residential and commercial buildings.

Historically, the Site was occupied by low-rise residential and commercial buildings (from at least 1887 to 1905), commercial buildings including a garage and automobile repair facility with pump house and gasoline underground storage tank (UST) (circa 1916), and lumber storage (from approximately 1942 to at least 1996). The current improvements (i.e., automobile repair facility, office trailer, and paved parking areas) have been in existence since at least 2001.

The historic (circa 1916) use of the Site as an automobile repair facility and garage is considered a REC. The historic (from at least 1916 to 1951) presence of a gasoline UST on-Site is considered a REC. The current use of the Site as an automobile repair facility and for automobile parking is considered a REC. Additionally, although not observed during the site reconnaissance, according to a prior Phase I ESA performed for the Site, there is an abandoned 275-gallon aboveground storage tank on-Site. Since the 275-gallon AST was not observed, this represents an unknown condition and a possible discharge and therefore, this is considered a REC.

The New York City Department of City Planning (NYCDCP) zoning map 12c indicates that the Site is designated as zone R6, which is a residential district. Based on a review of the City Environmental Quality Review (CEQR) Environmental Designations the Site has an "E"-Designation (E-138) associated with "window wall attenuation and alternate ventilation" and "underground gasoline storage tanks testing protocol". The "E"-designation for underground storage tanks testing protocol is considered a REC.

Based on field observations, the topography of the Site is generally flat. The topography of the surrounding area generally slopes downward to the west and downward to the north, towards the East River. According to the United States Geological Survey (USGS) 7.5-Minute Quadrangle Map (Brooklyn, NY 1995) and information contained in the regulatory agency database search report, the elevation of the Site property is approximately 12 feet above mean sea level (amsl) and groundwater is expected to be at approximately twelve (12) feet bgs and flow towards the northwest.

The Site is located in a highly developed urban area of Brooklyn consisting primarily of low-rise residential and commercial buildings. The Site reconnaissance revealed the presence of an automobile repair facility on an adjacent block. This facility, located at 246 Franklin Street, is identified in the regulatory agency database report as "Pat & Doms Body & Fender Repair Inc." and is listed as a historical small quantity generator. This facility is also listed in the NY Manifest database for hazardous waste generation activity. This is considered a REC.

Historic uses of surrounding properties primarily consisted of residential, commercial, and industrial uses. Review of historic records, including a prior Phase I ESA report for the Site, indicated that the Site is located in an area that was historically occupied by manufacturing operations with underground storage tanks and automobile repair facilities. Review of historical records also revealed the use of adjacent properties as lumber yards, chemical facilities, and commercial laundries. Additionally, review of Historic Sanborn Maps revealed (from at least 1951 to approximately 1978) the presence of a dry cleaning facility upgradient of the Site. These historic property uses are considered a REC.

The NY Spills database, including LTANK sites, was researched to identify listings within one-half mile of the Site. Manhole # 64829 is located adjacent and northeast of the Site, at the intersection of Franklin and Dupont Street. This location is listed in the NY Spills/LTANKs database in connection with three (3) spill cases, including one (1) open case (Spill Case No. 9907940). This location is also listed in the regulatory agency database report orphans summary as a historical large quantity generator and in the NY Manifest database for hazardous waste generation activity. This is considered a REC.

"Nuhart & Company" (also known as "Harte & Co." and "Dynamit Nobel-Harte, Inc."), located at 49-55 Dupont Street, adjacent to the Site, is listed as a historical large quantity generator with reported violations. This facility is also listed in the Petroleum Bulk Storage (PBS) database, Chemical Bulk Storage (CBS) database, and NY Manifest database for hazardous waste generation activity. Additionally, "Con ED – V3283", located at 55 Dupont Street, is listed as a historical large quantity generator and in the NY Manifest database for hazardous waste generation activity. Since this property is located adjacent to the Site and there are documented hazardous waste violations and hazardous waste generation activity associated with the property, it is considered a REC.

One (1) historic large quantity generator ("Interflo Technologies") with reported violations is located in close proximity (within one-eighth of a mile) to the Site. This facility is also listed in the NY Manifest database for hazardous waste generation activity. Since this facility is located in close proximity to the Site and there is documented hazardous waste violations associated with the facility, it is considered a REC.

Tax Block 2494, Lot 6, the adjacent property to the west, is listed in the Orphans Summary for an "E"-Designation associated with "window wall attenuation and alternate ventilation" and "underground gasoline storage tanks testing protocol". The "E"-Designation for underground storage tanks testing protocol is considered a REC.

Additionally, the Site reconnaissance revealed environmental concerns associated with suspect asbestos-containing materials, suspect interior lead-based paint, suspect PCB-containing light ballasts and caulk material.

10.0 CONCLUSIONS AND RECOMMENDATIONS

TRC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 and the requirements of the NYCSCA. Any additions to, exceptions to, or deletions from this practice are described in Section 2.0 of this report.

Summary of RECs

This Phase I ESA has revealed no evidence of *recognized environmental conditions (RECs)* in connection with the Site, except the following:

- The Site was historically (circa 1916) developed as an automobile repair facility and garage. The Site is currently (since at least 2001) used as an automobile repair facility and for automobile parking. The potential subsurface impact from these operations is considered a REC.

- According to Historic Sanborn Maps, there was a gasoline underground storage tank (UST) on-Site from approximately 1916 to at least 1951. According to a prior Phase I ESA report, there was an abandoned 275-gallon aboveground storage tank on-Site. The abandoned 275-gallon aboveground storage tank was not observed during the Site reconnaissance. The possible presence and unknown status of the petroleum storage tanks at the Site is considered a REC.

- Oil staining was observed on the floor throughout the Site building, specifically near the electrical lift and floor drain and is considered a REC.

- Based on a review of City Environmental Quality Review (CEQR) Environmental Designations, the Site has an "E"-Designation associated with "window wall attenuation and alternate ventilation" and "underground gasoline storage tanks testing protocol". The "E"-Designation for underground storage tanks testing protocol is considered a REC.

- The Site reconnaissance revealed the presence of an automobile repair facility on an adjacent block. This facility, located at 246 Franklin Street, is identified in the regulatory agency database report as "Pat & Doms Body & Fender Repair Inc.", and is listed as a historic small quantity generator. This facility is also listed in the NY Manifest database for hazardous waste generation activity. The potential subsurface impact from auto repair operations on adjacent property is considered a REC.

- Review of historic records, including a prior Phase I ESA report, indicated that the Site is located in an area that was historically occupied by manufacturing operations with underground storage tanks and automobile repair activities. Review of historical records also revealed the use of adjacent properties as lumber yards, chemical facilities, and commercial laundries. Additionally, review of Historic Sanborn Maps revealed the historic (from at least 1951 to approximately 1978) presence of a dry cleaning facility upgradient of the Site. These historic property uses are considered a REC.

- Manhole # 64829 is located adjacent and northeast of the Site, at the intersection of Franklin and Dupont Street. This location is listed in the New York Spills/Leaking Tank Incident Reports (NYSpills/LTANKs) database in connection with three (3) spill cases, including one open case (Spill Case No. 9907940). This location is also listed in the regulatory agency database report

orphans summary as a historical large quantity generator and in the NY Manifest database for hazardous waste generation activity. The potential subsurface impact is considered a REC.

- "Nuhart & Company" (also known as "Harte & Co." and "Dynamit Nobel-Harte, Inc."), located at 49-55 Dupont Street, adjacent to the Site, is listed as a historical large quantity generator with reported violations. This facility is also listed in the Petroleum Bulk Storage (PBS) database, Chemical Bulk Storage (CBS) database, and NY Manifest database for hazardous waste generation activity. Additionally, "Con ED – V3283", located at 55 Dupont Street, is listed as a historical large quantity generator and in the NY Manifest database for hazardous waste generation activity. Since this property is located adjacent to the Site and there are documented hazardous waste violations and hazardous waste generation activity associated with the property, it is considered a REC.

- One (1) historic large quantity generator ("Interflo Technologies") with reported violations is located in close proximity (within one-eighth of a mile) to the Site. This facility is also listed in the NY Manifest database for hazardous waste generation activity. Since this facility is located in close proximity to the Site and there are documented hazardous waste violations associated with the facility, it is considered a REC.

- The adjacent property to the west (Block 2494, lot 6) is listed in the regulatory agency database report orphans summary for an "E"-Designation associated with "window wall attenuation and alternate ventilation" and "underground gasoline storage tanks testing protocol". The "E"-Designation for underground storage tanks testing protocol is considered a REC.

Summary of Environmental Concerns

This Phase I ESA has revealed no evidence of environmental concerns in connection with the Site, except the following:

- Based on the estimated age of the Site building, suspect asbestos-containing materials (ACM) may be present and this is considered an environmental concern;

- Suspected lead-based paint (LBP) was observed on the interior and exterior surfaces of the Site building during the Site inspection. Based on the estimated age of the building, the painted surfaces may contain lead and LBP is considered an environmental concern; and,

- Fluorescent light fixtures and exterior caulk were observed during the Site inspection. Based on the age of the building, the fluorescent light fixtures and exterior caulk may contain polychlorinated biphenyls (PCBs). The potential presence of PCB-containing articles is considered an environmental concern.

Recommendations

TRC recommends the performance of a comprehensive Phase II Environmental Site Investigation (ESI) to determine if the identified RECs have affected the suitability of the Site for use as a public school facility.

In addition, TRC recommends that any ACM, LBP, and/or PCB-containing light ballasts/exterior caulk affected by the preparation of the Site for use by the public school system must be identified prior to and properly managed during demolition or renovation activities.

11.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

TRC Engineers, Inc. (TRC) has performed a Phase I ESA of the property located at 235-241 Franklin Street, Brooklyn, New York 11222 (Tax Block 2494, Lot 1). The scope of the Phase I ESA was consistent with the requirements of ASTM Standard Practice E 1527-05 and of the NYCSCA. Signatures of the Environmental Professionals who participated in conducting this Phase I ESA are provided below. Qualifications for these individuals are provided in *Appendix M*. TRC declares that to the best of their professional knowledge and belief, they meet(s) the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. TRC has the specific qualifications based on education, training and experience to assess the subject property. TRC has developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

TRC Engineers, Inc.

PREPARED BY: _____
Angela Hernandez
Environmental Scientist

REVIEWED BY: _____
Charles Guder
Senior Project Manager (Environmental Professional)

12.0 REFERENCES

Resources Consulted:

- Environmental Data Resources, Inc. (EDR) Regulatory Agency Database Search Report, May 15, 2008.
- Environmental Data Resources, Inc. (EDR) Sanborn Maps: 1887, 1905, 1916, 1942, 1951, 1965, 1978, 1979, 1980, 1981, 1983, 1986, 1987, 1988, 1989, 1991, 1992, 1993, 1995, 1996.
- Environmental Data Resources, Inc. (EDR) Aerial Photographs: 1954, 1966, 1975, 1984, 1994, and 2006.
- Environmental Data Resources, Inc. (EDR) Historical Topographic Maps: 1900, 1947, 1956, 1967, 1979, and 1995.
- Office of the City Register Public Deed Records: 1981– Present.

Regulatory Agencies Contacted:

- New York City Department of Buildings, 05/16/08.
- New York City Fire Department, 05/16/08.
- New York City Department of City Planning, 05/16/08.
- New York City Department of Environmental Protection, 05/16/08.
- New York City Department of Health, 05/16/08.
- New York State Department of Health, 05/16/08.
- New York State Department of Environmental Conservation, 05/16/08.
- United States Environmental Protection Agency, 05/16/08.

Documents and Maps:

- American Society for Testing and Materials (ASTM) 2005, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”, ASTM Designation E 1527-05.
- New York City Planning Commission, “New York City Zoning Map 12c.”
- United States Fish and Wildlife, “National Wetlands Inventory Index Map.”
- Geneva R. Roberts-Dolgin, June 1989, “The Geology of Staten Island and Western Long Island, Kings and Queens Counties, New York.”
- Buxton, Herbert, Soren, Julian, Posner Alex, and Shernoff, Peter, “Reconnaissance of the Ground-Water Resources of Kings and Queens Counties, New York.”
- USGS Fact Sheet FS134-97, November 1997, “Water Table Altitude in Kings and Queens Counties, New York, in March 1997.”

13.0 APPENDICES

Appendix A – Site Location Map
Appendix B – Site Plan
Appendix C – Site Photographs
Appendix D – National Wetlands Inventory Map
Appendix E – FEMA Flood Insurance Rate Map
Appendix F – Historical Topographic Maps
Appendix G – Historical Aerial Photographs
Appendix H – Historical Fire Insurance Maps
Appendix I – Regulatory Agency Database Report (Electronic – CD1)
Appendix J – City Directory Abstract
Appendix K – Prior Reports/Supporting Documentation
Appendix L – Records of Communications and Agency Correspondence
Appendix M – Qualifications of Environmental Professionals

APPENDIX A

SITE LOCATION MAP

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

NEW YORK

QUADRANGLE LOCATION

BROOKLYN, N. Y.

N4037.5—W7352.5/7.5

1967

PHOTOREVISED 1979

AMS 6265 III NW—SERIES V821

MAP OBTAINED THROUGH USE OF MAPTECH TERRAIN NAVIGATOR PRO SOFTWARE.

TRC

1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY: HD

DRAWN BY: HD

CHECKED BY: CG

DATE: MAY 2008

SCALE: AS SHOWN

PROJECT NUMBER: 114707.0000.0095

PROJECT NAME:

NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
PHASE I ESA, BLOCK: 2494, LOT: 1
BROOKLYN, NEW YORK 11222

DRAWING TITLE:

SITE LOCATION MAP

FIGURE

1

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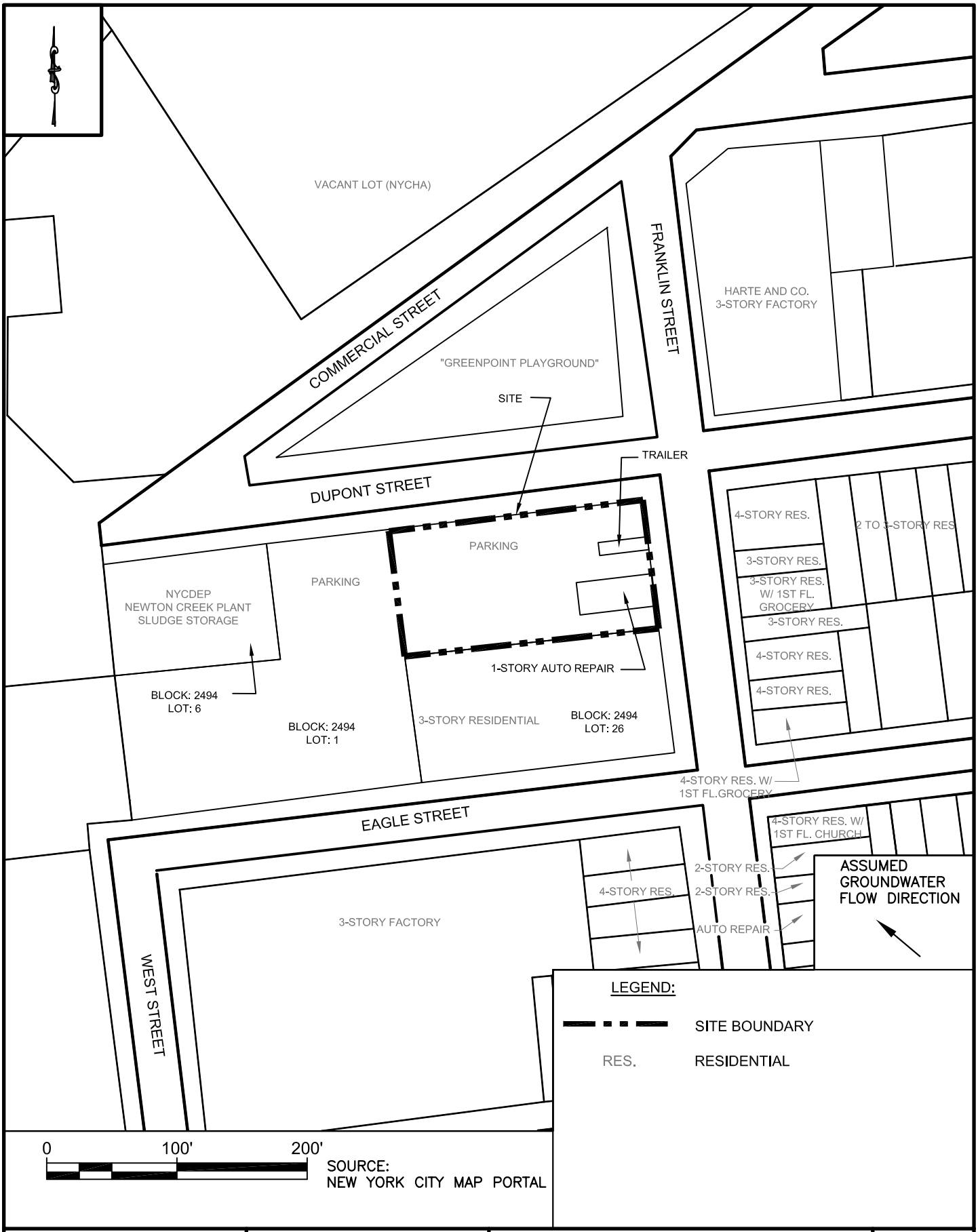
APPENDIX B

SITE PLAN



TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY:	HD
DRAWN BY:	HD
CHECKED BY:	CG
DATE:	MAY 2008
SCALE:	AS SHOWN
PROJECT NUMBER:	114707.0000.0095

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
PHASE I ESA, BLOCK: 2494, LOT: 1
BROOKLYN, NEW YORK 11222

DRAWING TITLE:
SITE PLAN

FIGURE
2

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APPENDIX C

SITE PHOTOGRAPHS

Block 2494, Lot 1
Brooklyn, New York 11222
May 27, 2008

Photograph 1. View of Site taken facing west across Franklin Street. The Site consists of an automobile repair facility, trailer office, and paved parking areas.

Photograph 2. View of "Greenpoint Playground" located adjacent and north of the Site, across Dupont Street.

Photograph 3. View of "Harte & Company" located adjacent and northeast of the Site, across Franklin Street.

Photograph 4. View of grating for a possible underground transformer located adjacent to "Harte and Company", taken facing north on Franklin Street.

Photograph 5. View of residential and commercial buildings located adjacent and southeast of the Site, across Franklin Street. Automobile repair facility is located on adjacent block at 246 Franklin Street.

Photograph 6. View of low-rise (three- and four-story) residential and commercial buildings located adjacent and east of the Site, across Franklin Street.

Photograph 7. View of Franklin Street taken facing south on Franklin Street. Note adjacent three-story residential building.

Photograph 8. View of paved parking areas located on-Site and the "NYCDEP Newtown Creek Plant Sludge Storage" located adjacent and west of the Site.

Photograph 9. View of paved parking areas, trailer office, and Site building, taken facing east towards Franklin Street. There were approximately 30 cars in the paved parking areas during the Site visit.

Photograph 10. View of interior southern portion of Site building. Note electrical lift, ceiling mounted fan, and tool storage.

Photograph 11. View of electrical power boxes, air compressor, grease container, tires, and automobile batteries stored in northern portion of Site building.

Photograph 12. View of tires, bar-be-que, propane tank, and miscellaneous equipment storage located in southern portion of Site building.

Photograph 13. View of small area of petroleum staining inside Site building.

Photograph 14. View of electrical lift and adjacent drain located in southern portion of Site building.

Photograph 15. View of tool storage inside Site building. Note suspect PCB-containing fluorescent light ballast.

Photograph 16. View of flat wood framed ceiling and suspect PCB-containing fluorescent light ballast.

Photograph 17. View of entrance of Site building and adjacent trailer office.

Photograph 18. View of the grease container, battery chargers, tires, and other miscellaneous equipment storage located in northern portion of Site building.

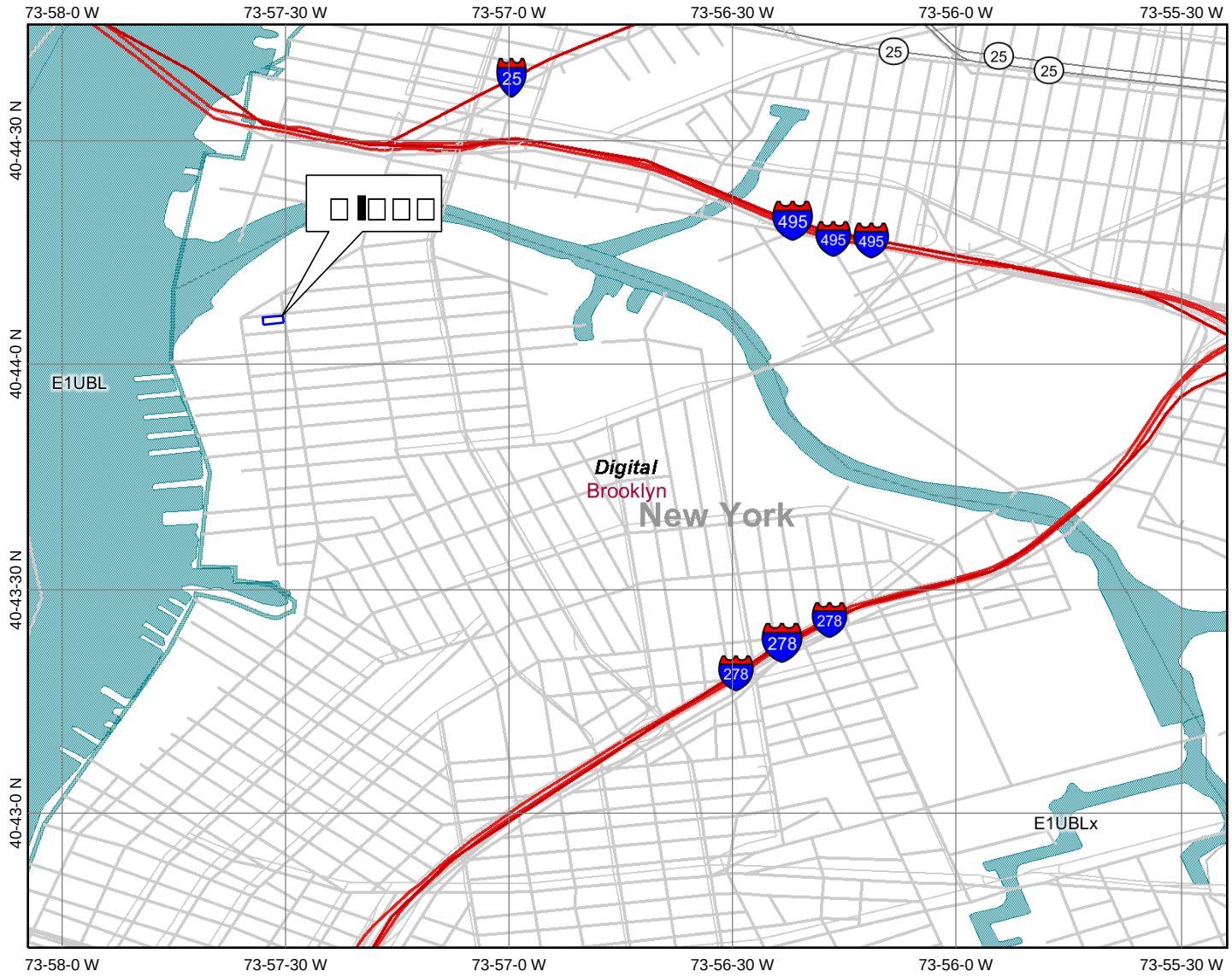
Photograph 19. View of sealed bags of "Vaporize rock salt" located in northern portion of Site building.

Photograph 20. View of tools, automobile parts, and other miscellaneous storage located in the southern portion of the Site building.

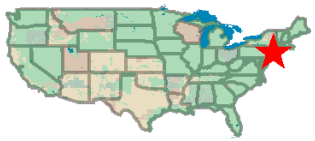
APPENDIX D

NATIONAL WETLANDS INVENTORY MAP

Block 2494, Lot 1



Map center: 40° 43' 44" N, 73° 56' 44" W



Legend

- Interstate
- Major Roads
- Other Road
- Interstate
- State highway
- US highway
- Roads
- Cities
- USGS Quad Index 24K
- Lower 48 Wetland Polygons
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Lower 48 Available Wetland Data
- Non-Digital
- Digital
- No Data
- Scan
- NHD Streams
- Counties 100K
- States 100K
- South America
- North America

N

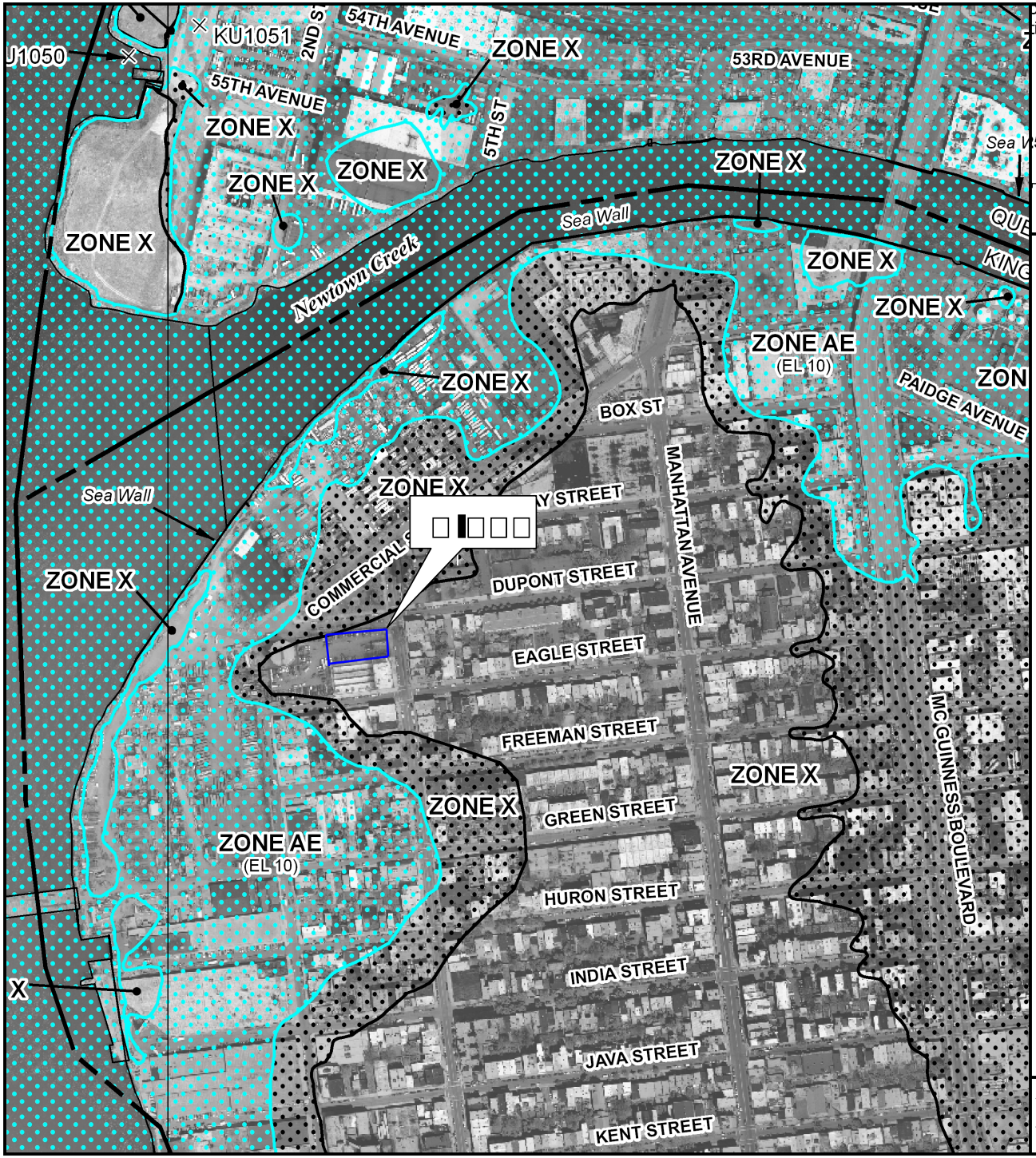
Scale: 1:26,757

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: TRC Project No. 114707.0000.0095

APPENDIX E

FEMA FLOOD INSURANCE RATE MAP



ood insurance is available in this community, contact your N
ional Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

50 0 500 1000 FEET

METER

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0202F

FIRM

FLOOD INSURANCE RATE MAP

CITY OF
NEW YORK,
NEW YORK
BRONX, RICHMOND, NEW YORK,
QUEENS, AND KINGS COUNTIES

PANEL 202 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0202	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970202F

MAP REVISED
SEPTEMBER 5, 2007

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

APPENDIX F

HISTORICAL TOPOGRAPHIC MAPS

Block 2494, Lot 1
14 Dupont Street
Brooklyn, NY 11222

Inquriy Number: 2221604.4
May 16, 2008

The EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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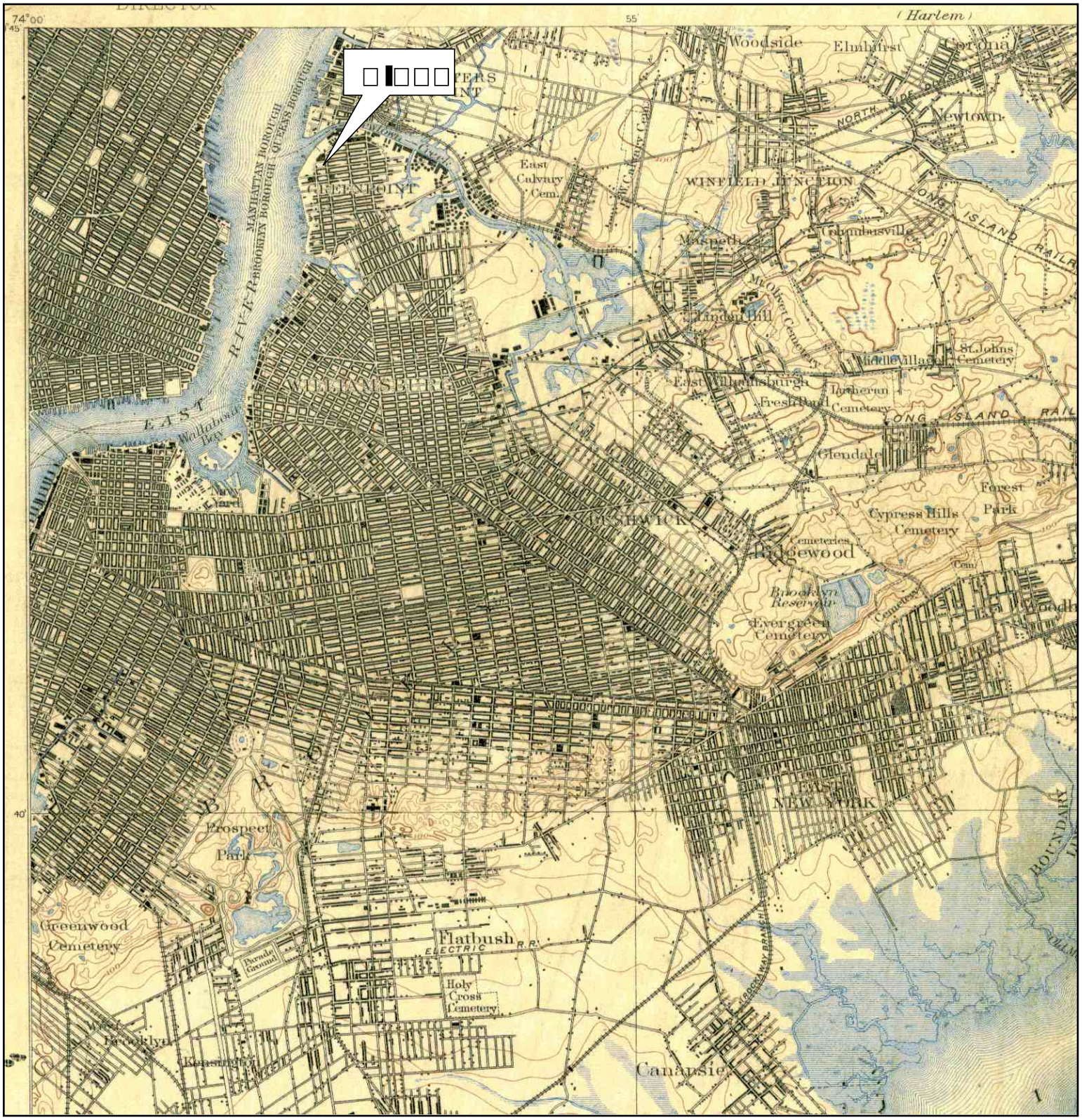
Historical Topographic Map



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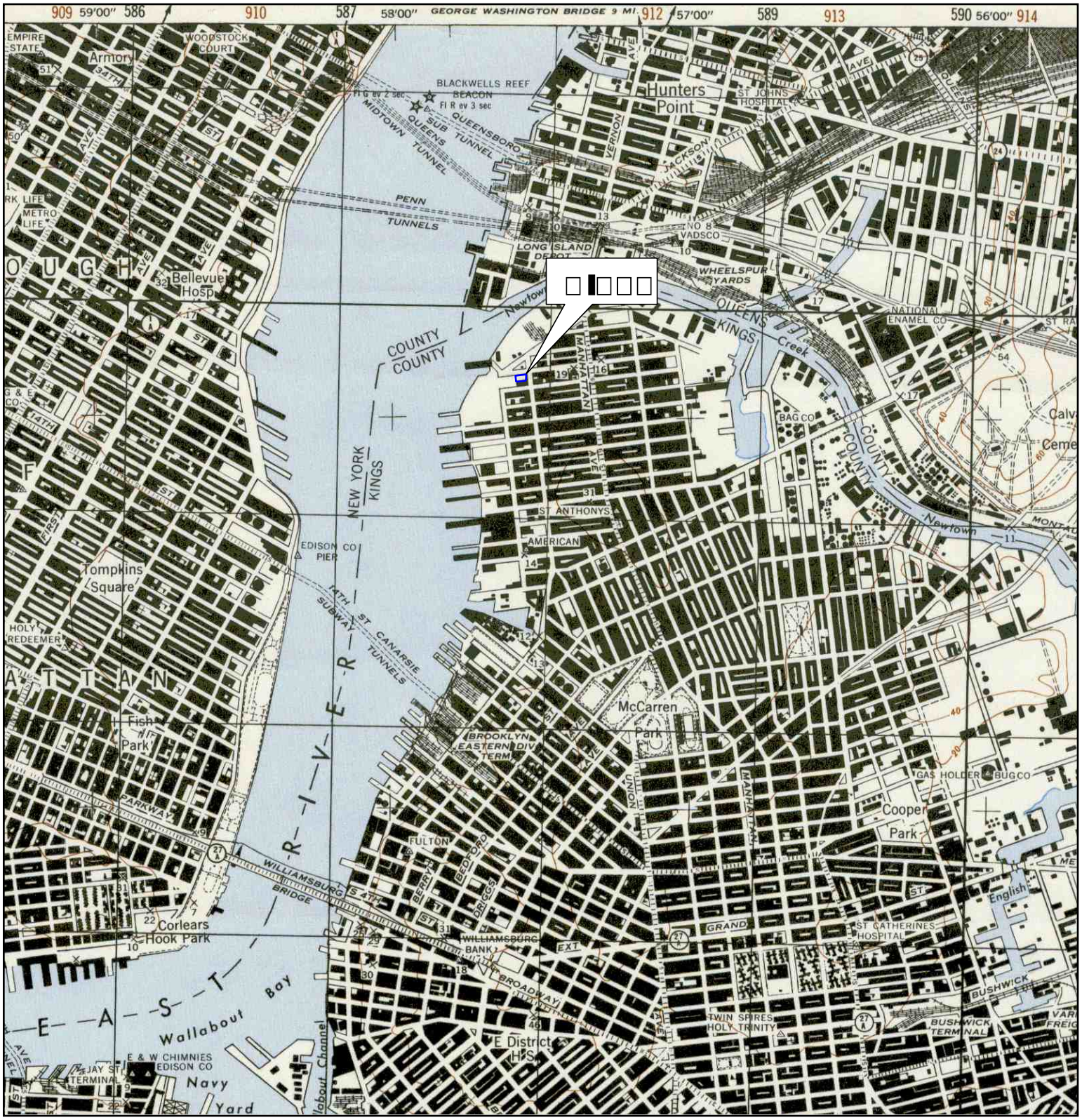
Historical Topographic Map



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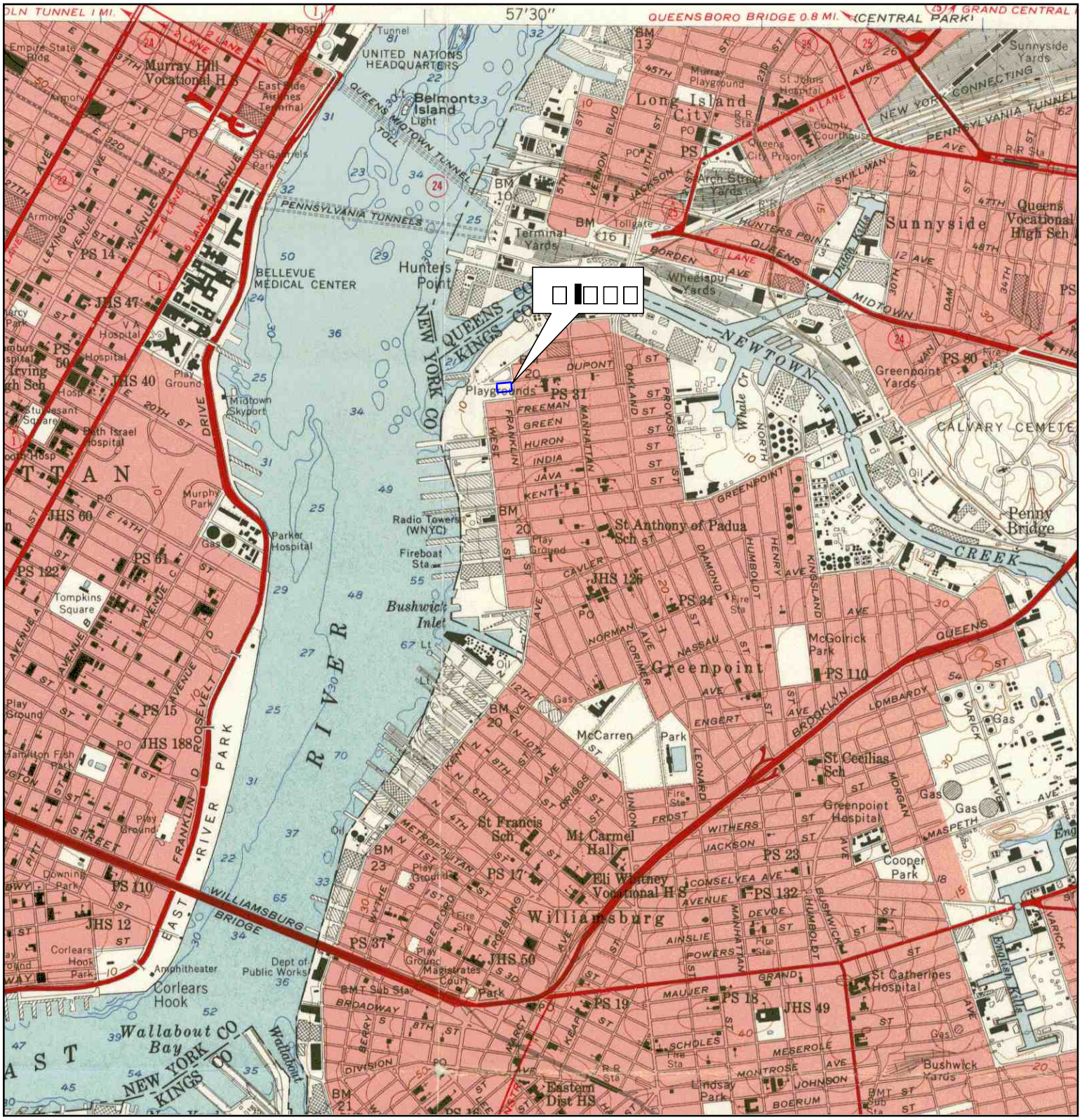
Historical Topographic Map



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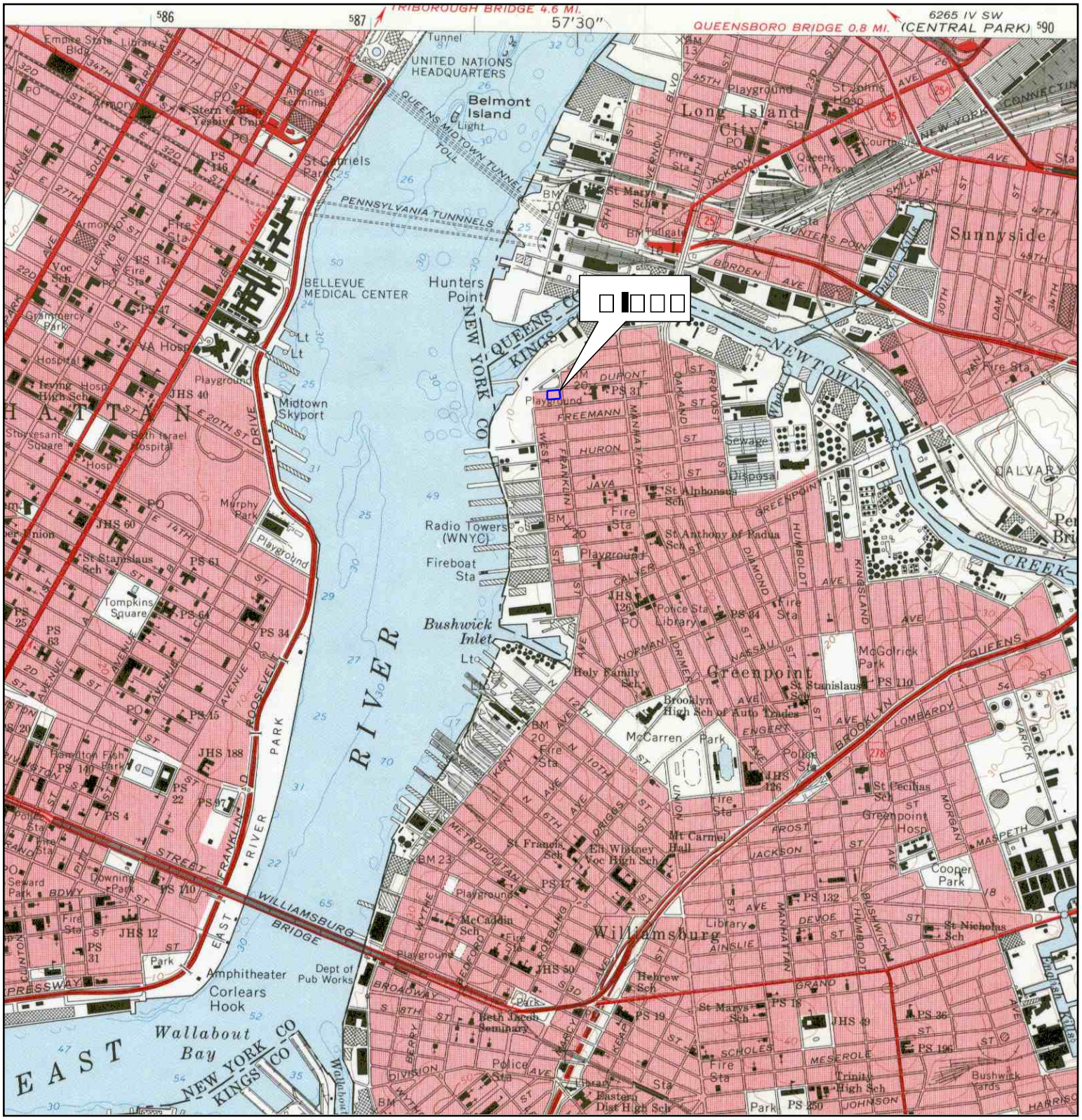
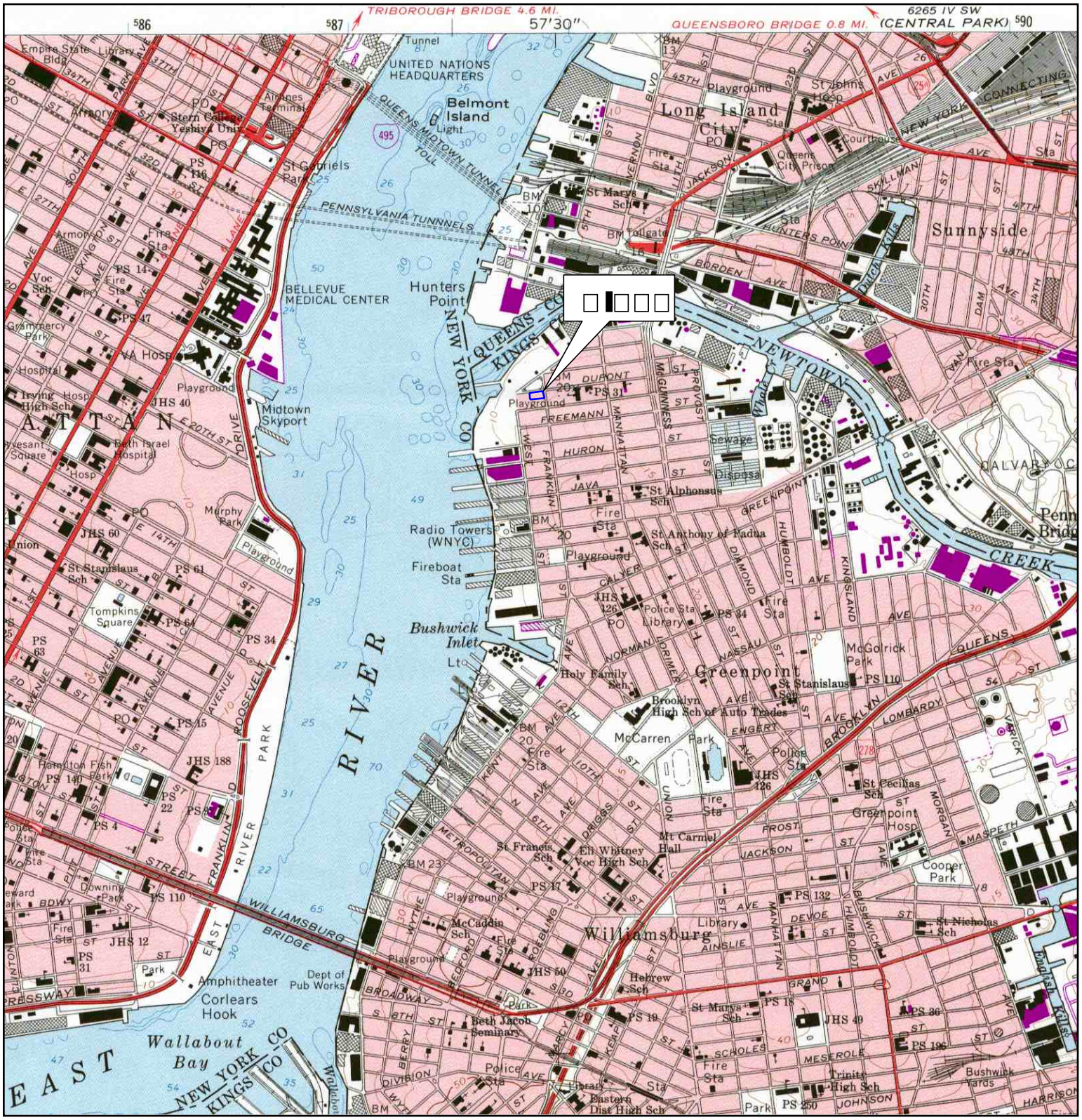
Historical Topographic Map



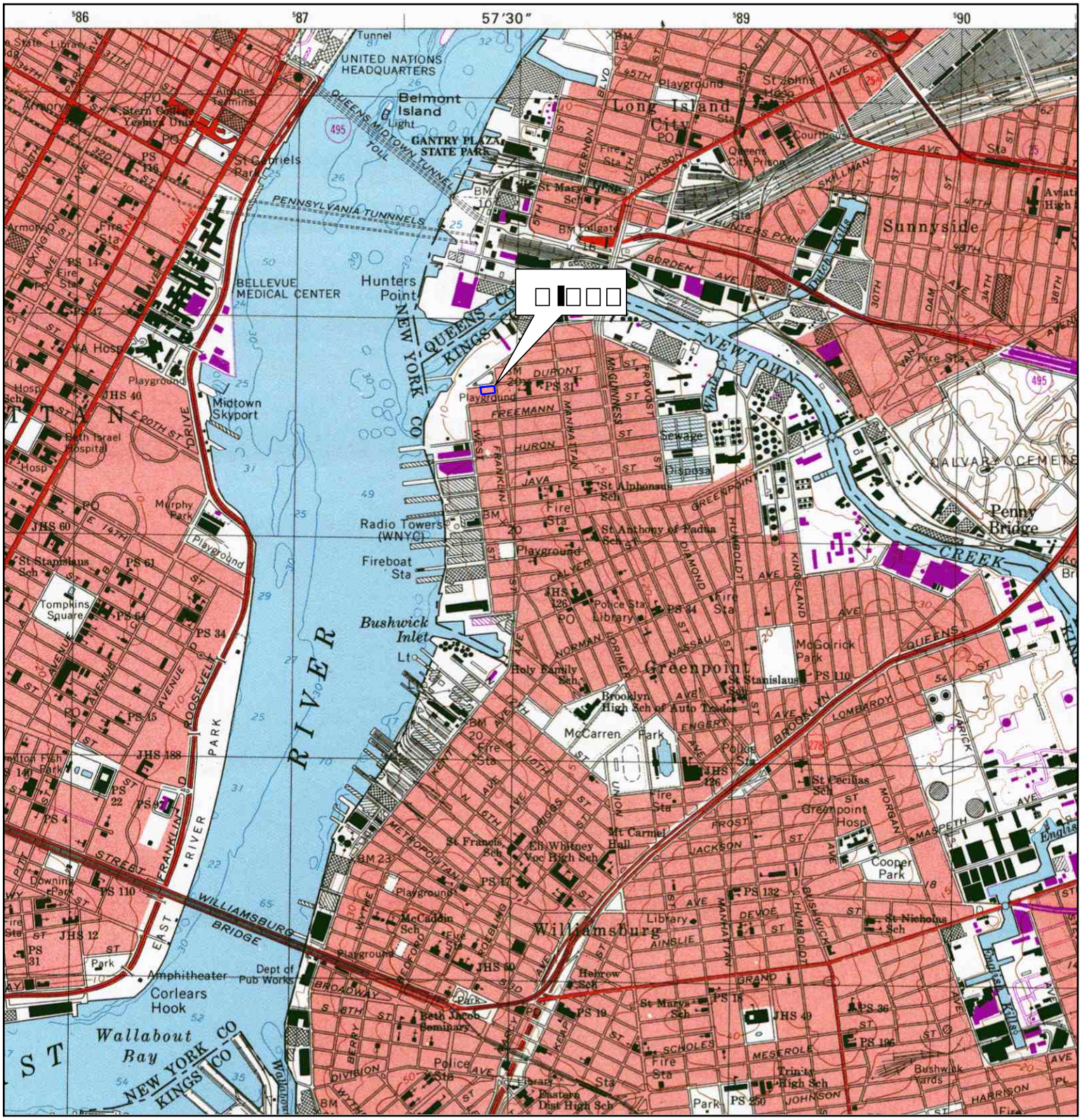
N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Block 2494, Lot 1 ADDRESS: 14 Dupont Street Brooklyn, NY 11222 LAT/LONG: 40.7354 / 73.9587	CLIENT: TRC Environmental Consultants CONTACT: Angela P Hernandez INQUIRY#: 2221604.4 RESEARCH DATE: 05/16/2008

Historical Topographic Map



N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1979 PHOTOREVISED FROM:1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Block 2494, Lot 1 ADDRESS: 14 Dupont Street Brooklyn, NY 11222 LAT/LONG: 40.7354 / 73.9587	CLIENT: TRC Environmental Consultants CONTACT: Angela P Hernandez INQUIRY#: 2221604.4 RESEARCH DATE: 05/16/2008

Historical Topographic Map



N	TARGET QUAD NAME: BROOKLYN MAP YEAR: 1995 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Block 2494, Lot 1 ADDRESS: 14 Dupont Street Brooklyn, NY 11222 LAT/LONG: 40.7354 / 73.9587	CLIENT: TRC Environmental Consultants CONTACT: Angela P Hernandez INQUIRY#: 2221604.4 RESEARCH DATE: 05/16/2008

APPENDIX G

HISTORICAL AERIAL PHOTOGRAPHS

Block 2494, Lot 1
14 Dupont Street
Brooklyn, NY 11222

Inquiry Number: 2221604.5
May 16, 2008

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography May 16, 2008

Target Property:

14 Dupont Street

Brooklyn, NY 11222

Year	***Scale***	***Details***	***Source***
1954	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: February 23, 1954	EDR
1966	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: February 23, 1966	EDR
1975	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: April 01, 1975	EDR
1984	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: April 27, 1984	EDR
1994	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/Flight Date: April 04, 1994	EDR
2006	Aerial Photograph. Scale: 1"=488'	Flight Year: 2006	EDR

INQUIRY #: 2221604.5
YEAR: 1954
= 750'
N

INQUIRY #: 2221604.5

YEAR: 1966

= 750'

N

1-75
INQUIRY #: 2221604.5
YEAR: 1975
= 750'
N

INQUIRY #: 2221604.5

YEAR: 1984

= 750'

N

EDR Environmental Data Resources Inc

INQUIRY #: 2221604.5
YEAR: 1994
= 750'
N

INQUIRY #: 2221604.5
YEAR: 2006
= 488'
N

APPENDIX H

SANBORN FIRE INSURANCE MAPS

Block 2494 Lot 1
14 Dupont Street
Brooklyn, NY 11222

Inquriy Number: 2221604.3S
May 16, 2008

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

5/16/08

Site Name:
Block 2494 Lot 1
14 Dupont Street
Brooklyn, NY 11222

Client Name:
TRC Environmental
1430 Broadway
New York, NY 10018

EDR Inquiry # 2221604.3S

Contact: Angela P Hernandez

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by TRC Environmental Consultants were identified for the years listed below (selected maps only*). The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Block 2494 Lot 1
Address: 14 Dupont Street
City, State, Zip: Brooklyn, NY 11222
Cross Street:
P.O. # NA
Project: 114707.0000.009
Certification # E259-4AAA-B3BD

Sanborn® Library search results
Certification # E259-4AAA-B3BD

* Environmental Data Resources, Inc. has been instructed by TRC Environmental Consultants to print ONLY the Sanborn Maps for the years listed below:

1996 (1)	1988 (1)	1979 (1)	1905 (1)
1995 (1)	1987 (1)	1978 (1)	1887 (1)
1993 (1)	1986 (1)	1965 (1)	
1992 (1)	1983 (1)	1951 (1)	
1991 (1)	1981 (1)	1942 (1)	
1989 (1)	1980 (1)	1916 (1)	

Total Maps: 20

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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5/19/08

Site Name:
Block 2494 Lot 1
14 Dupont Street
Brooklyn, NY 11222

Client Name:
TRC Environmental
1430 Broadway
New York, NY 10018

EDR Inquiry # 2222879.1S

Contact: Angela P Hernandez

EDR® Environmental Data Resources Inc

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Cross Street:
P.O. # NA
Project: 114707.0000.009
Certification # 7B32-42FC-AF9C

Sanborn® Library search results
Certification # 7B32-42FC-AF9C

Maps Identified - Number of maps indicated within "( )"

1996 (1)	1988 (1)	1979 (1)	1905 (1)
1995 (1)	1987 (1)	1978 (1)	
1993 (1)	1986 (1)	1965 (1)	
1992 (1)	1983 (1)	1951 (1)	
1991 (1)	1981 (1)	1942 (1)	
1989 (1)	1980 (1)	1916 (1)	

Total Maps: 19

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- ✔ University Publications of America
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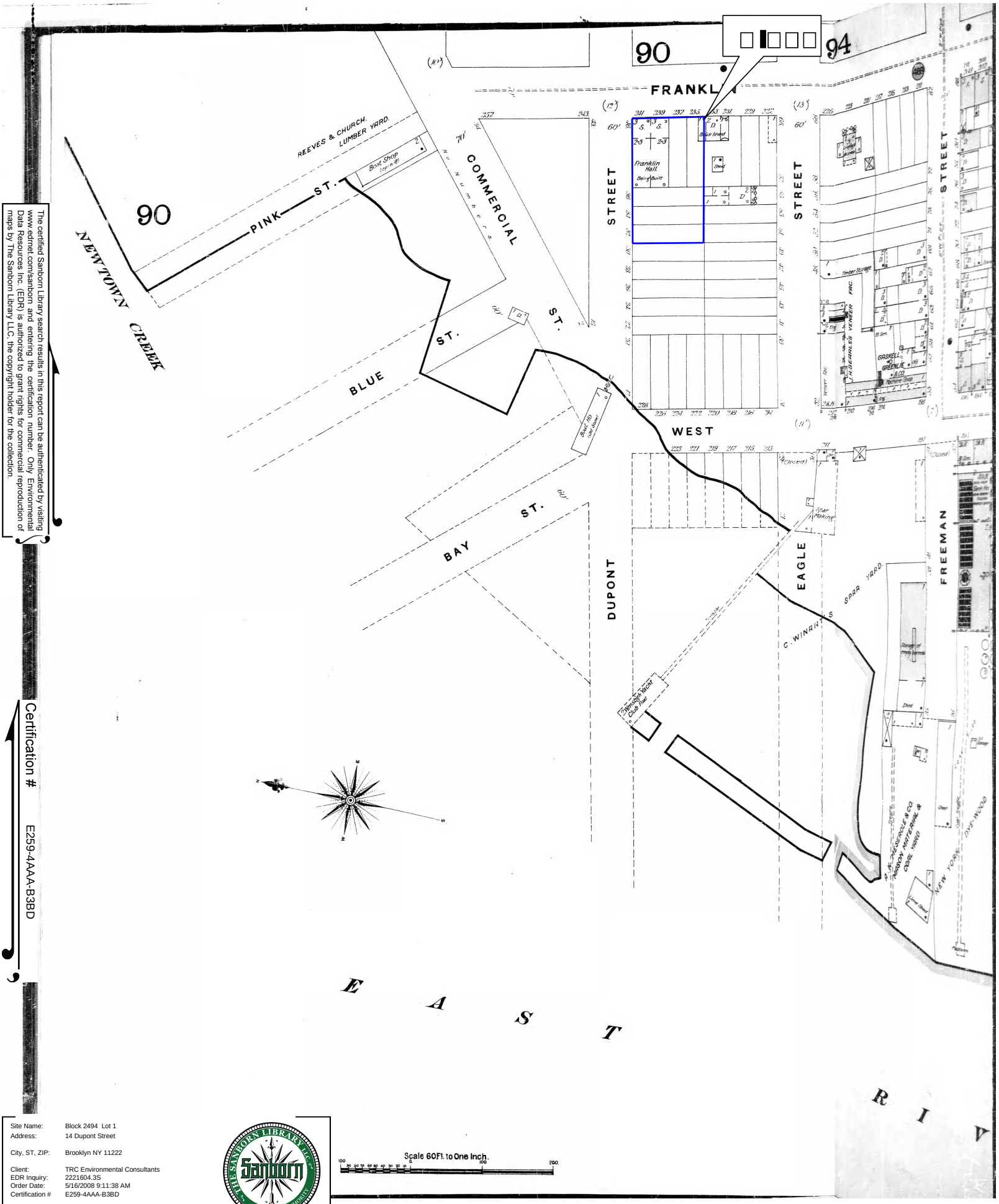

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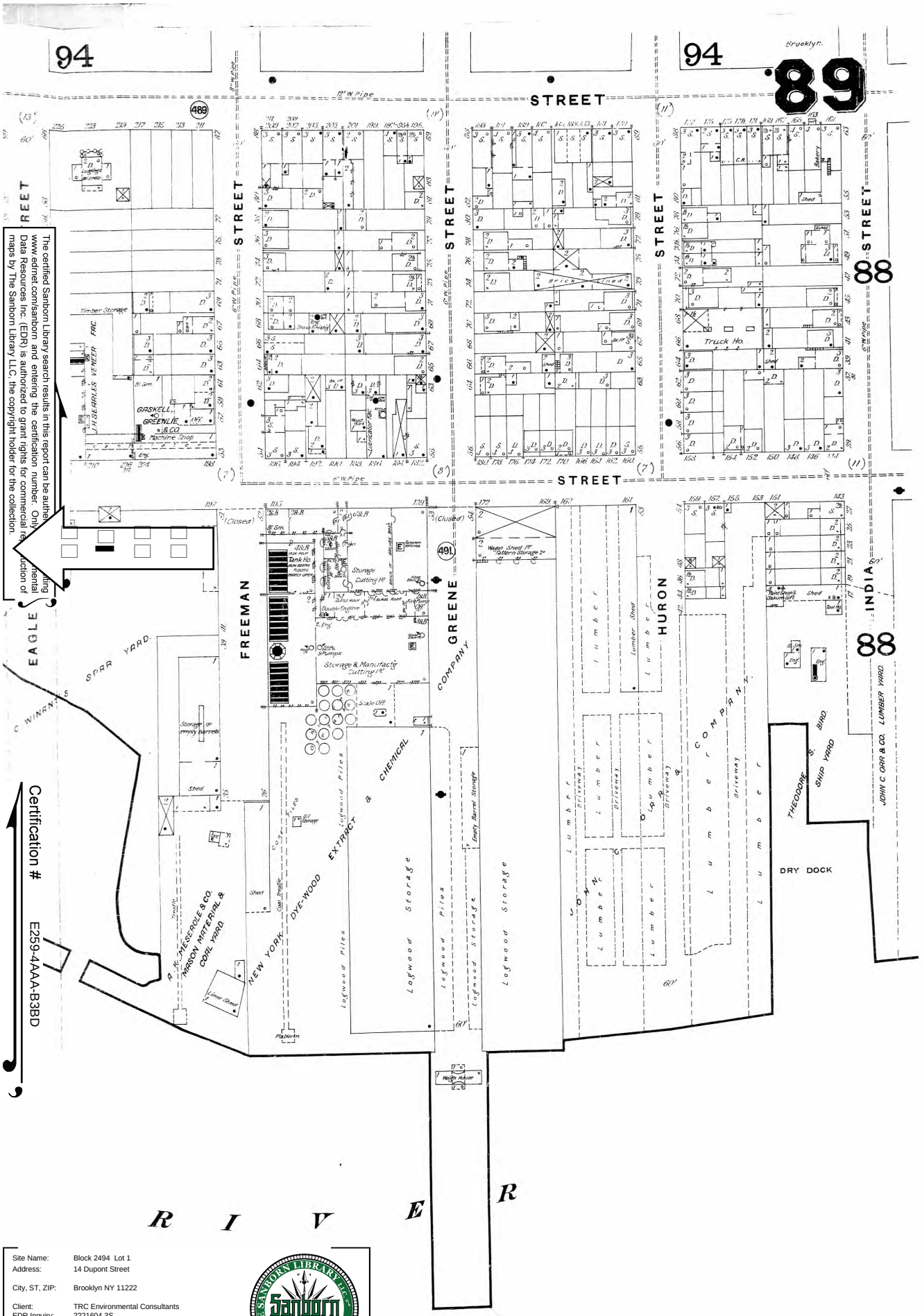
City, ST, ZIP:	Brooklyn NY 11222
Client:	TRC Environmental Consultants
EDR Inquiry:	2221604.3S
Order Date:	5/16/2008 9:11:38 AM
Certification #	E259-4AAA-B3BD

Scale 60Ft. to One Inch.

Copyright: 1887



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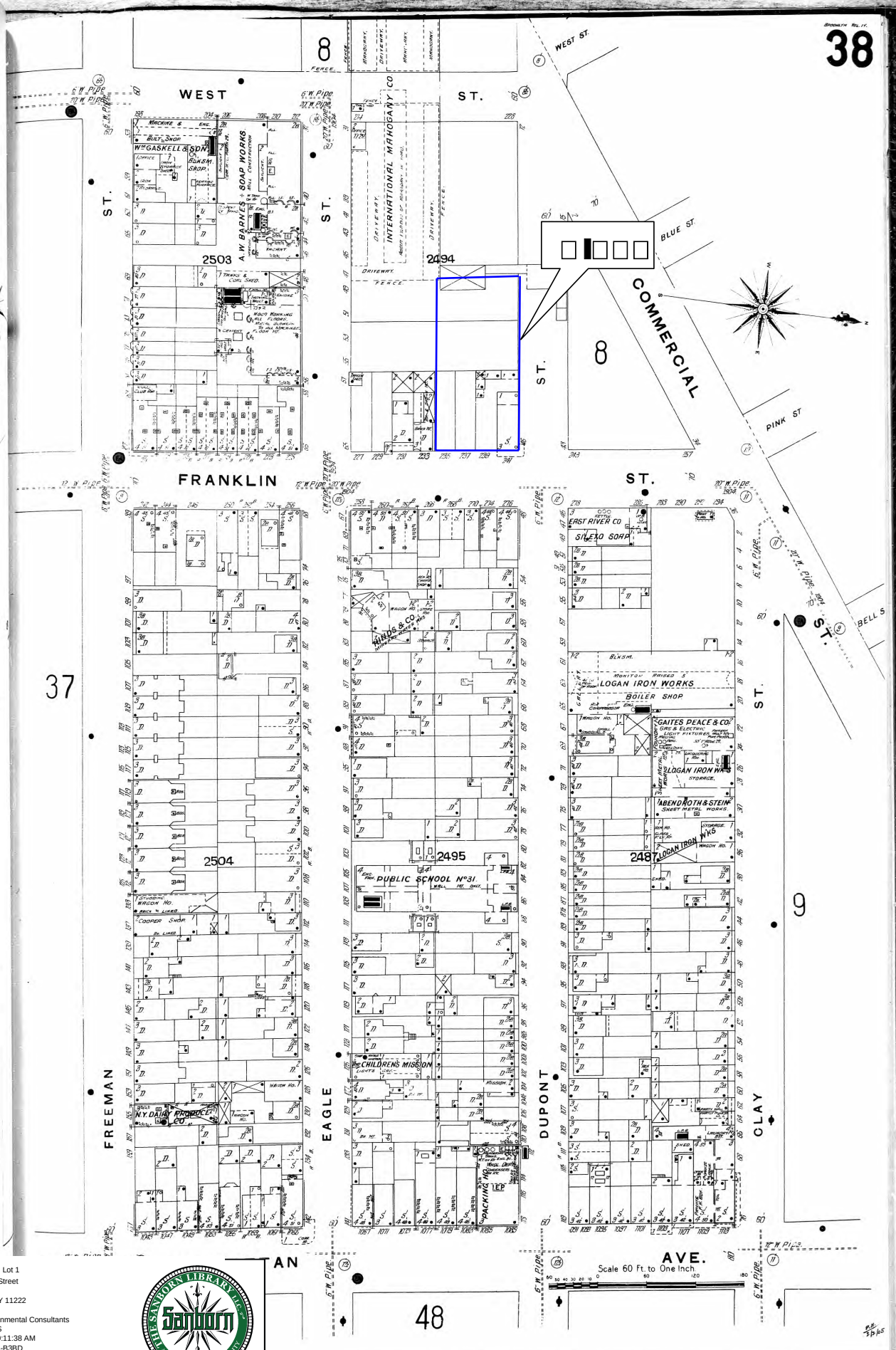

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Address:	14 Dupont Street
City, ST, ZIP:	Brooklyn NY 11222
Client:	TRC Environmental Consultants
EDR Inquiry:	2221604.3S
Order Date:	5/16/2008 9:11:38 AM
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Copyright: 1905

Site Name: Block 2494 Lot 1
Address: 14 Dupont Street

City, ST, ZIP: Brooklyn NY 11222

Client: TRC Environmental Consultants
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Copyright: 1905

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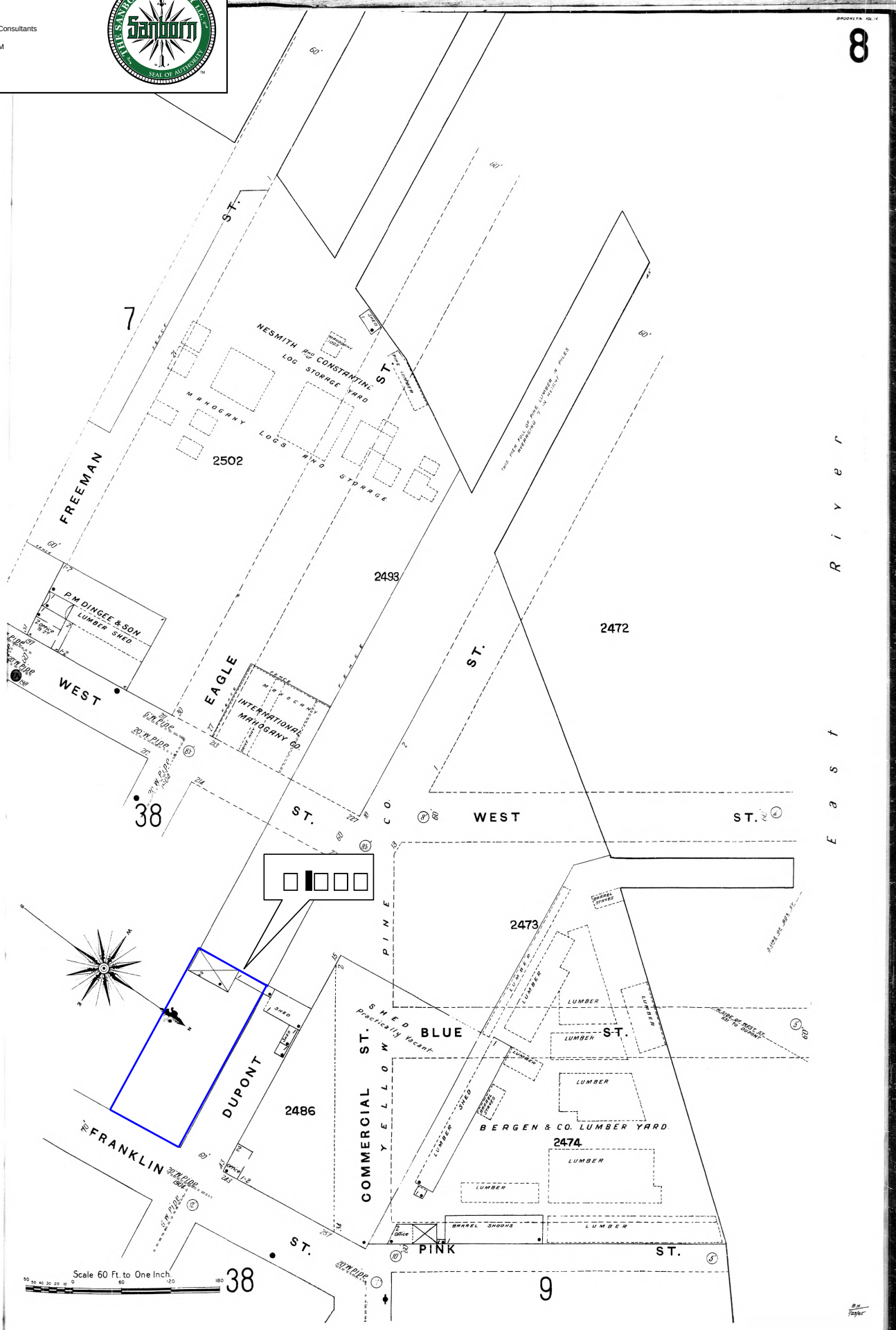

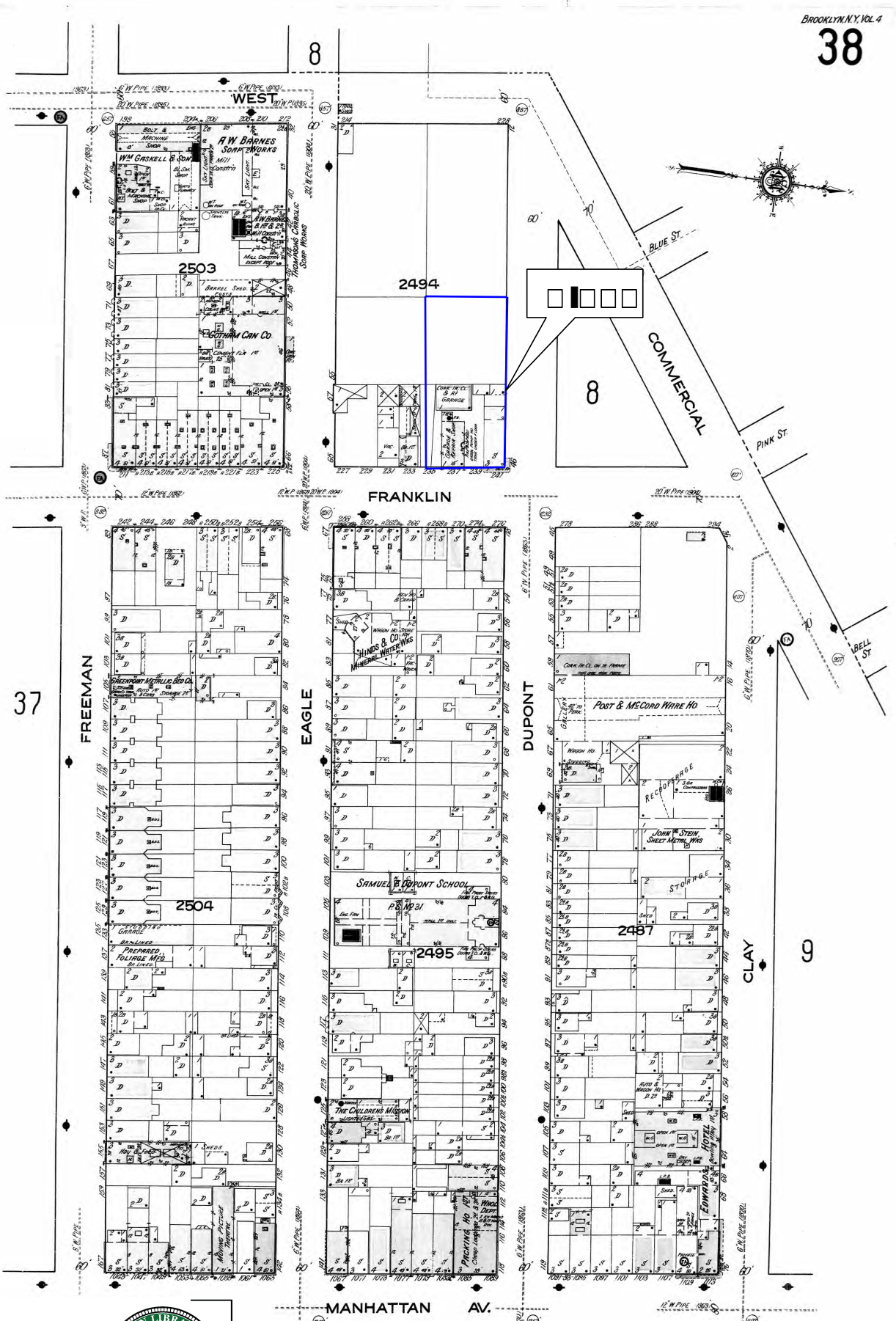

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City, ST, ZIP:	Brooklyn NY 11222
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Certification #	E259-4AAA-B3BD

Copyright: 1916

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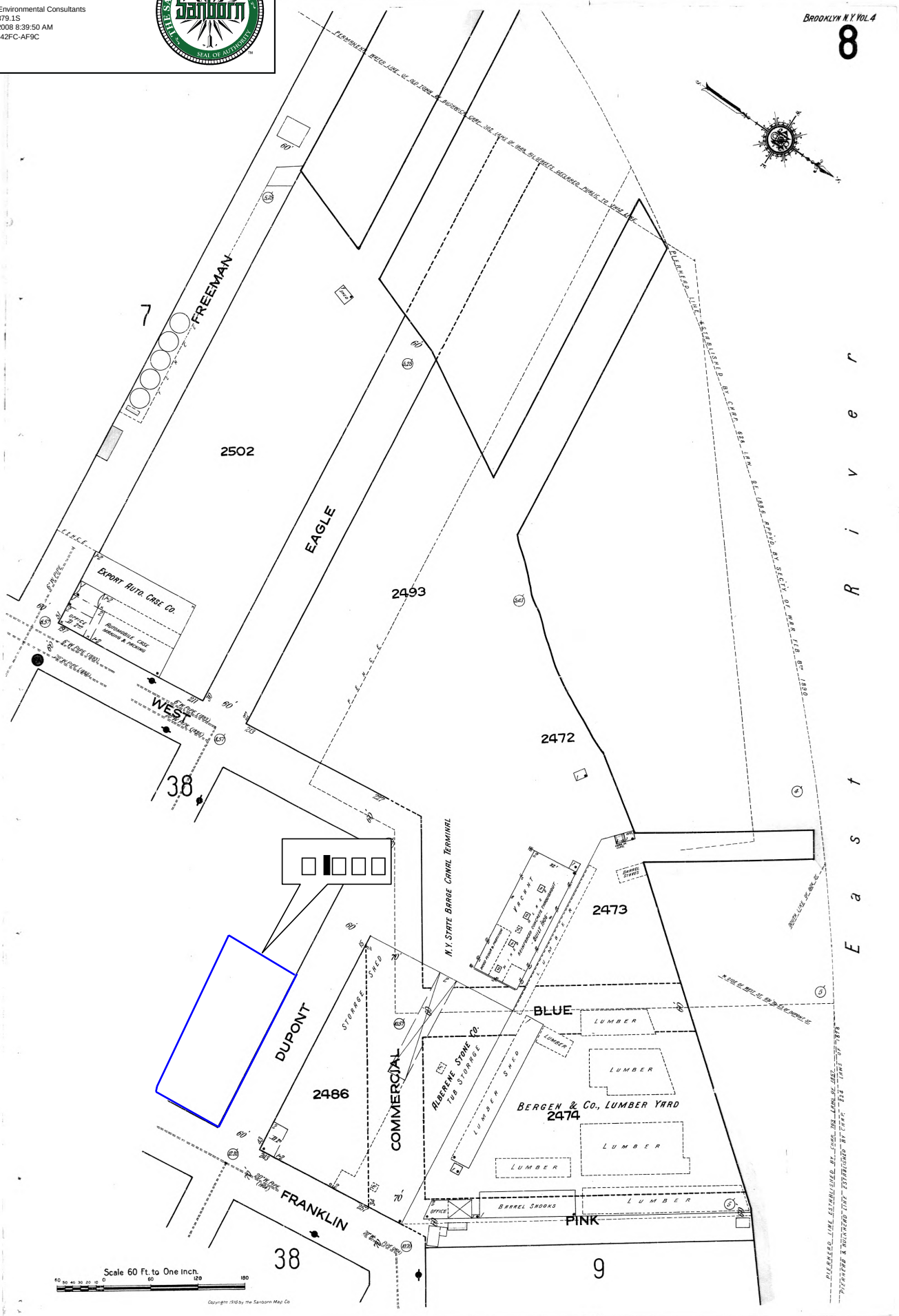

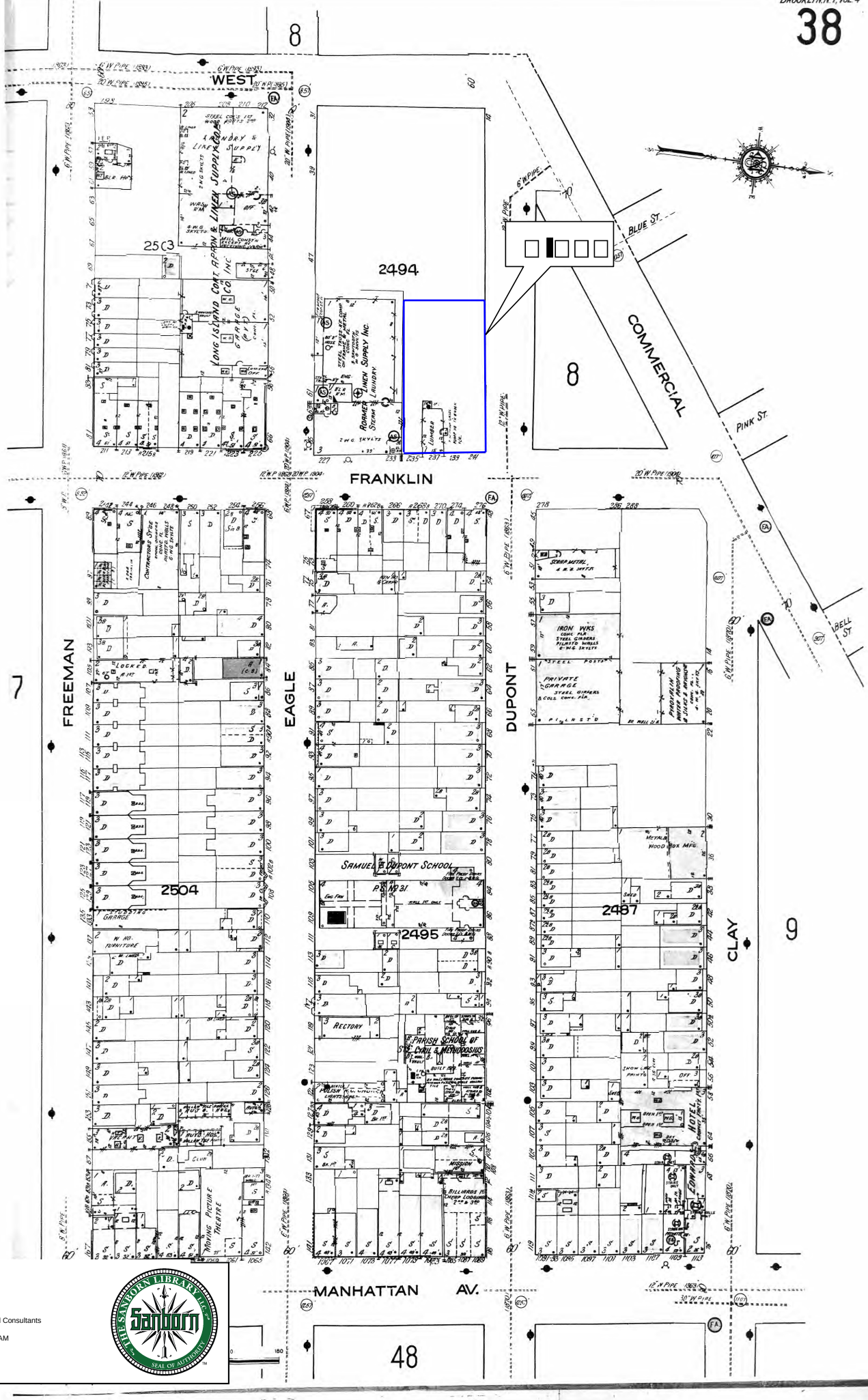

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Client:	TRC Environmental Consultants
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Certification #	E259-4AAA-B3BD

Copyright: 1942

Site Name: Block 2494 Lot 1
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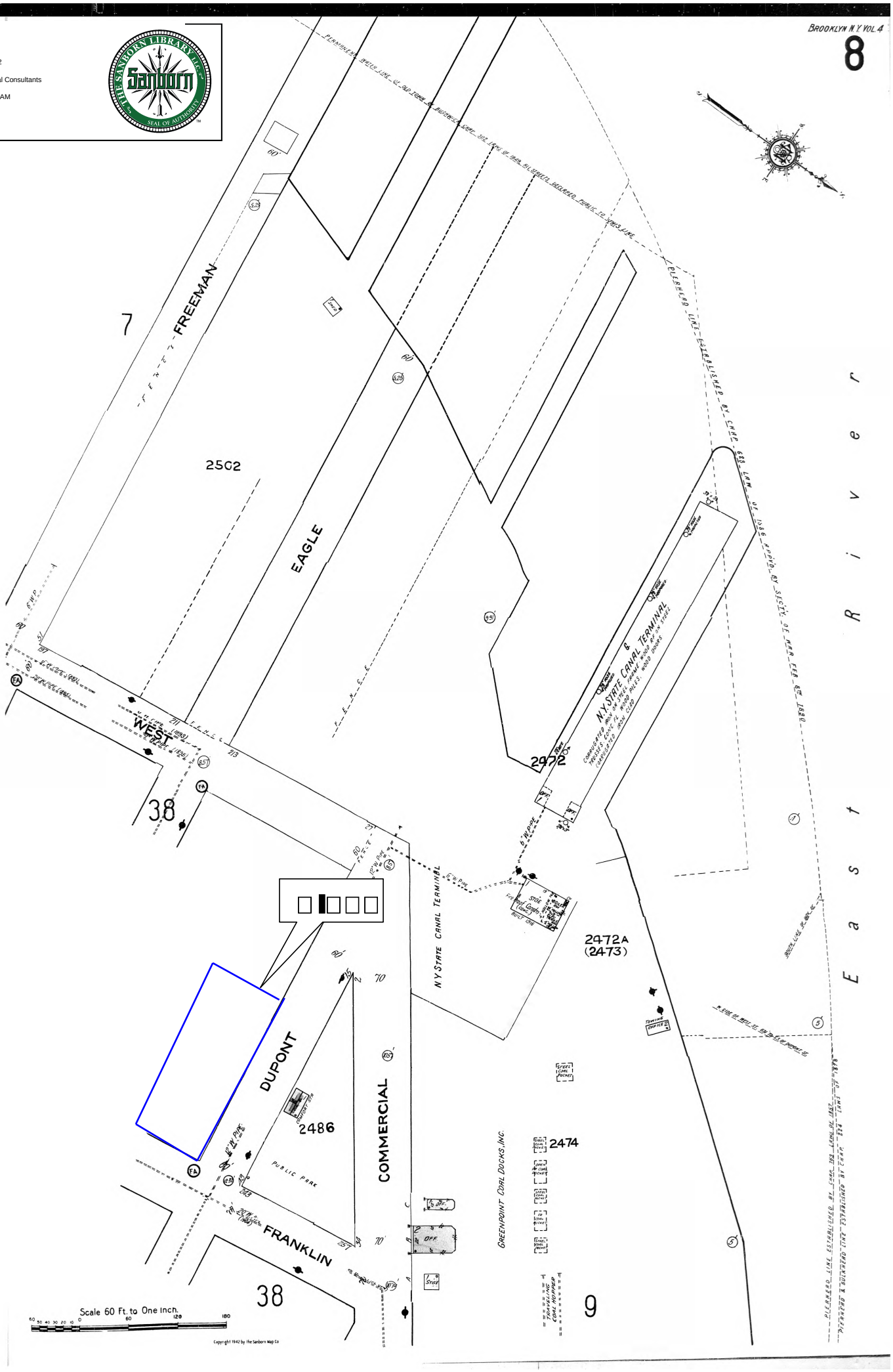

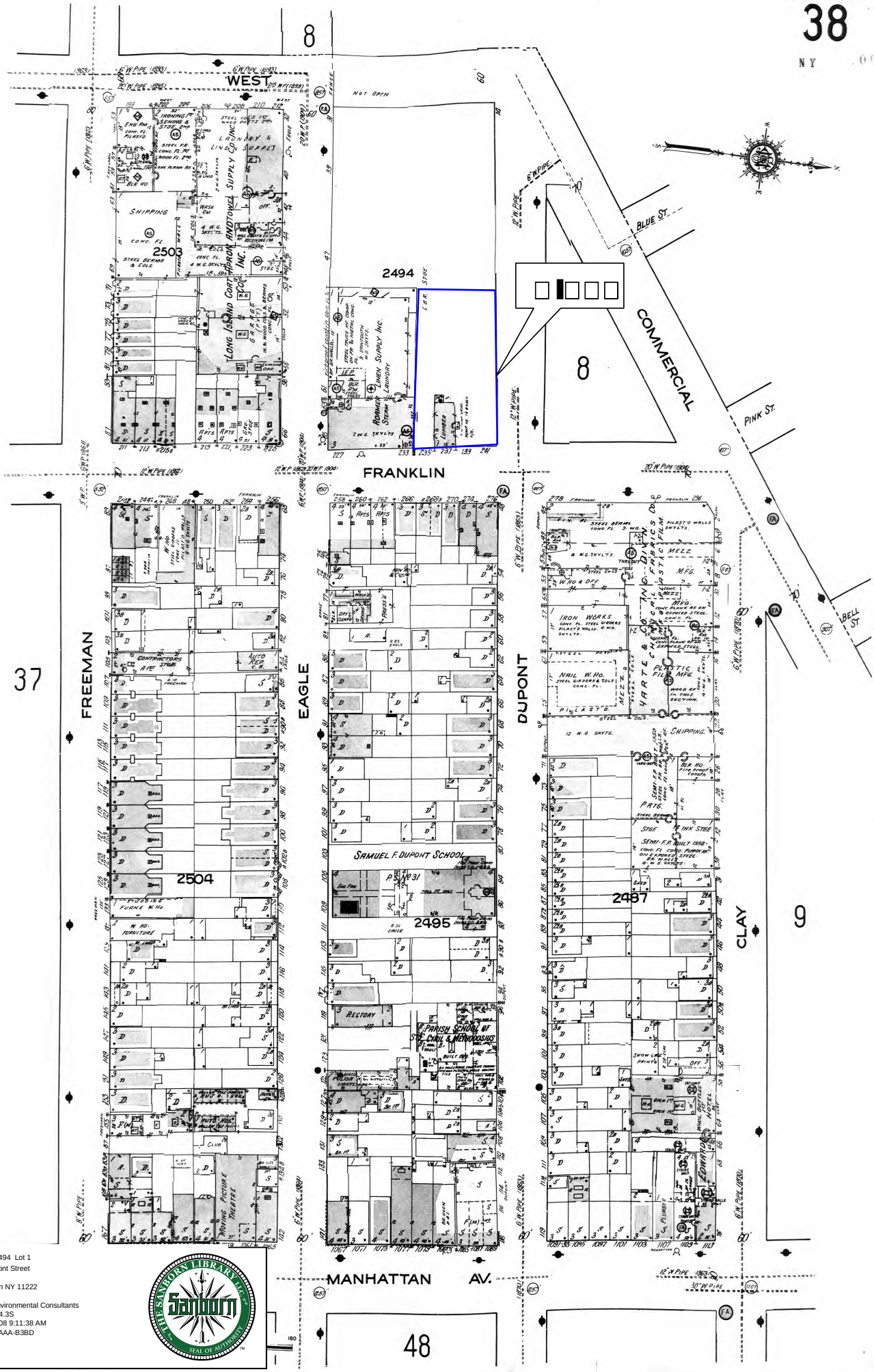

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Site Name:	Block 2494 Lot 1
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Client:	TRC Environmental Consultants
EDR Inquiry:	2221604.3S
Order Date:	5/16/2008 9:11:38 AM
Certification #	E259-4AAA-B3BD

Copyright: 1951

Site Name: Block 2494 Lot 1
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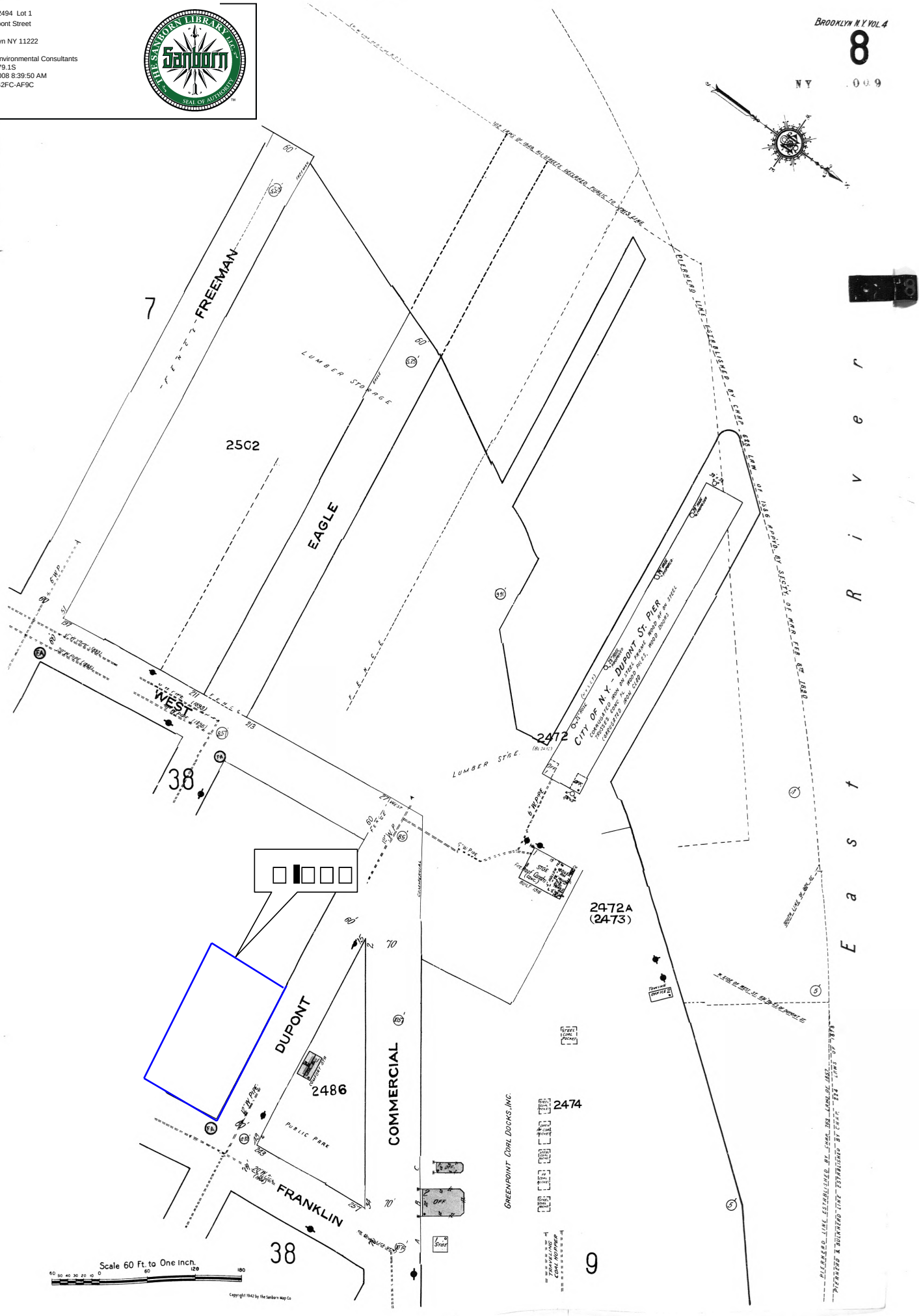

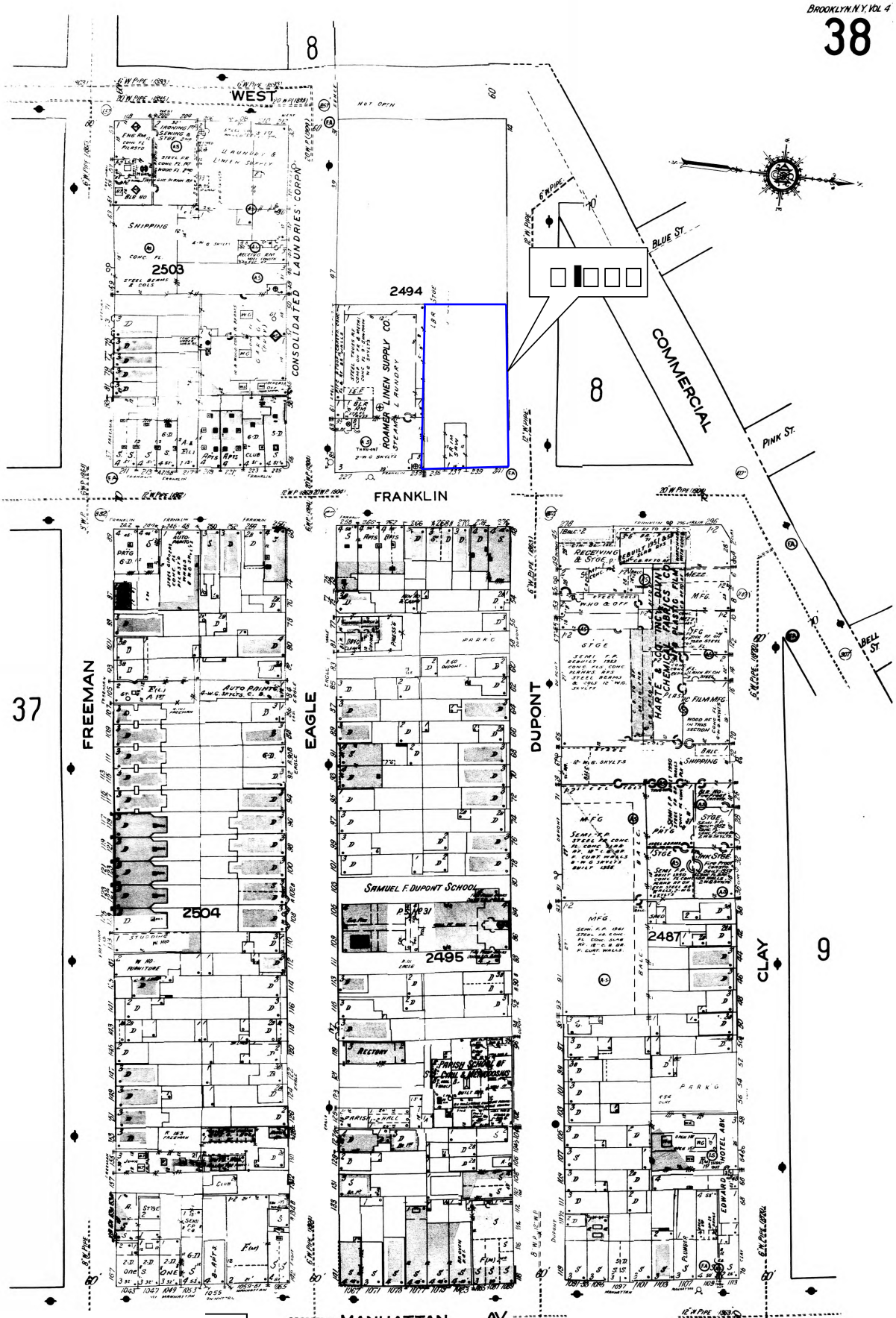

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Site Name:	Block 2494 Lot 1
Address:	14 Dupont Street
City, ST, ZIP:	Brooklyn NY 11222
Client:	TRC Environmental Consultants
EDR Inquiry:	2221604.3S
Order Date:	5/16/2008 9:11:38 AM
Certification #	E259-4AAA-B3BD

Copyright: 1965

Site Name: Block 2494 Lot 1
Address: 14 Dupont Street

City, ST, ZIP: Brooklyn NY 11222

Client: TRC Environmental Consultants
EDR Inquiry: 2222879.1S
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Copyright: 1965

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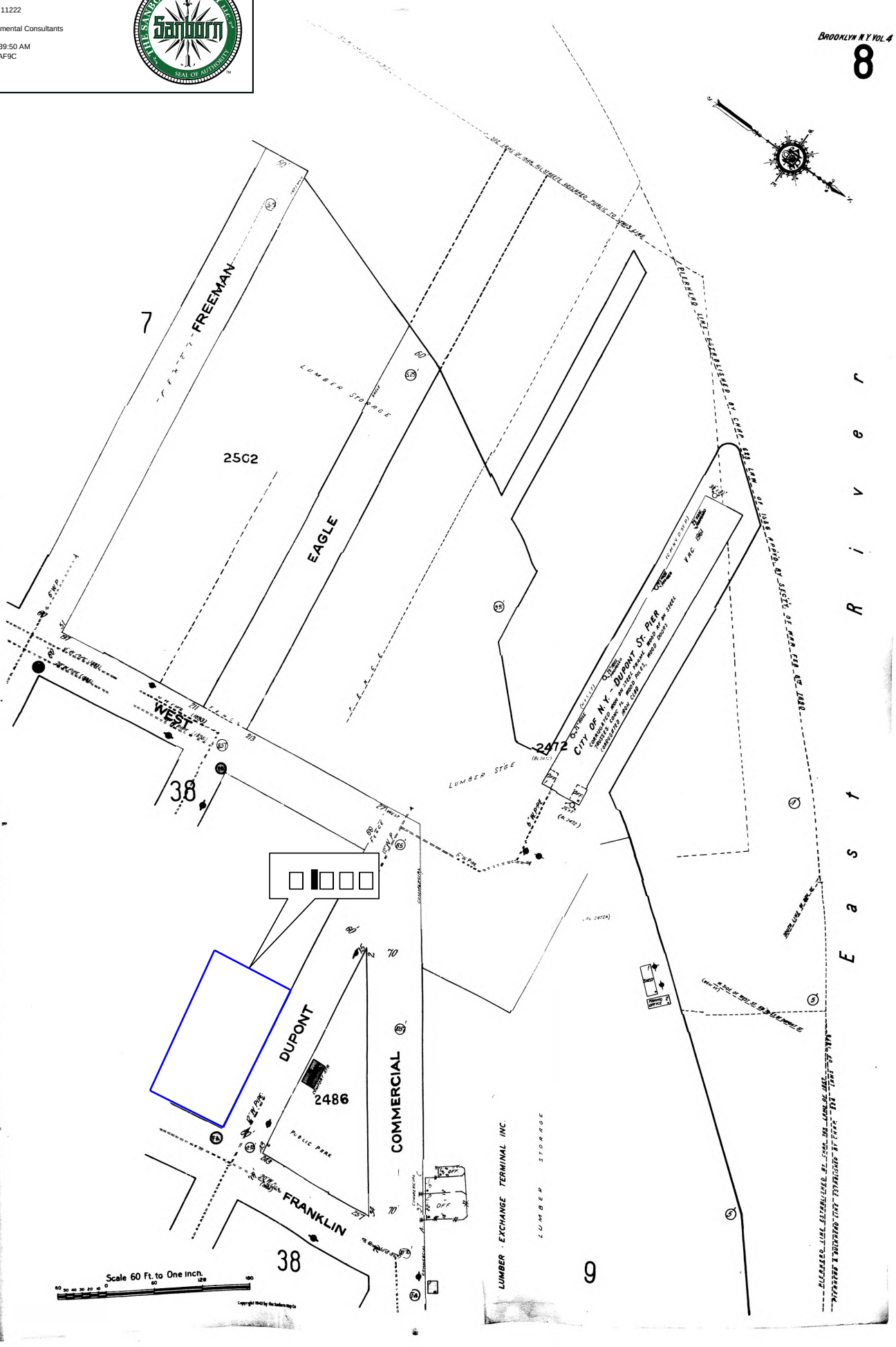

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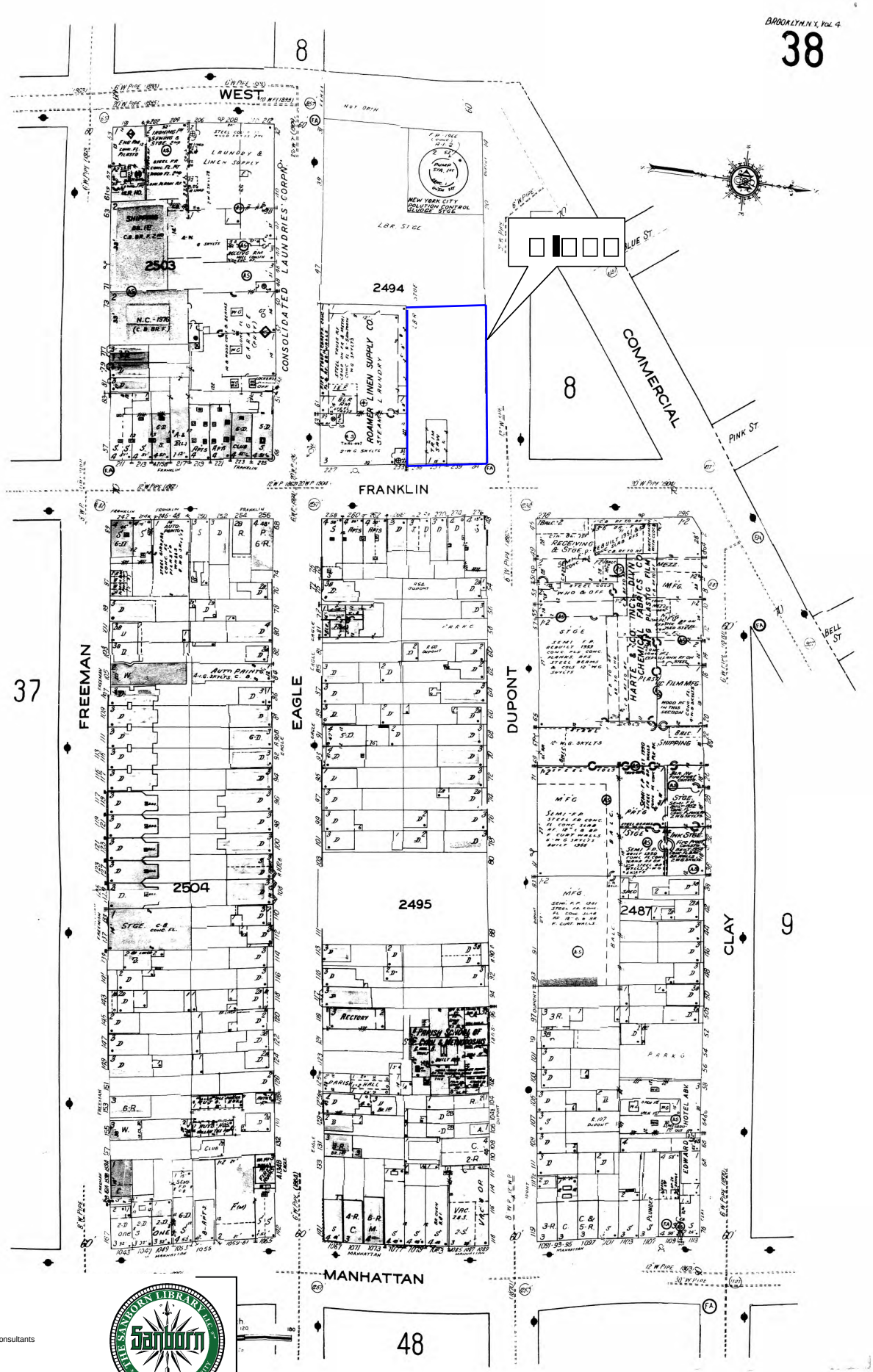

Site Name:	Block 2494 Lot 1
Address:	14 Dupont Street
City, ST, ZIP:	Brooklyn NY 11222
Client:	TRC Environmental Consultants
EDR Inquiry:	2221604.3S
Order Date:	5/16/2008 9:11:38 AM
Certification #	E259-4AAA-B3BD

Copyright: 1978

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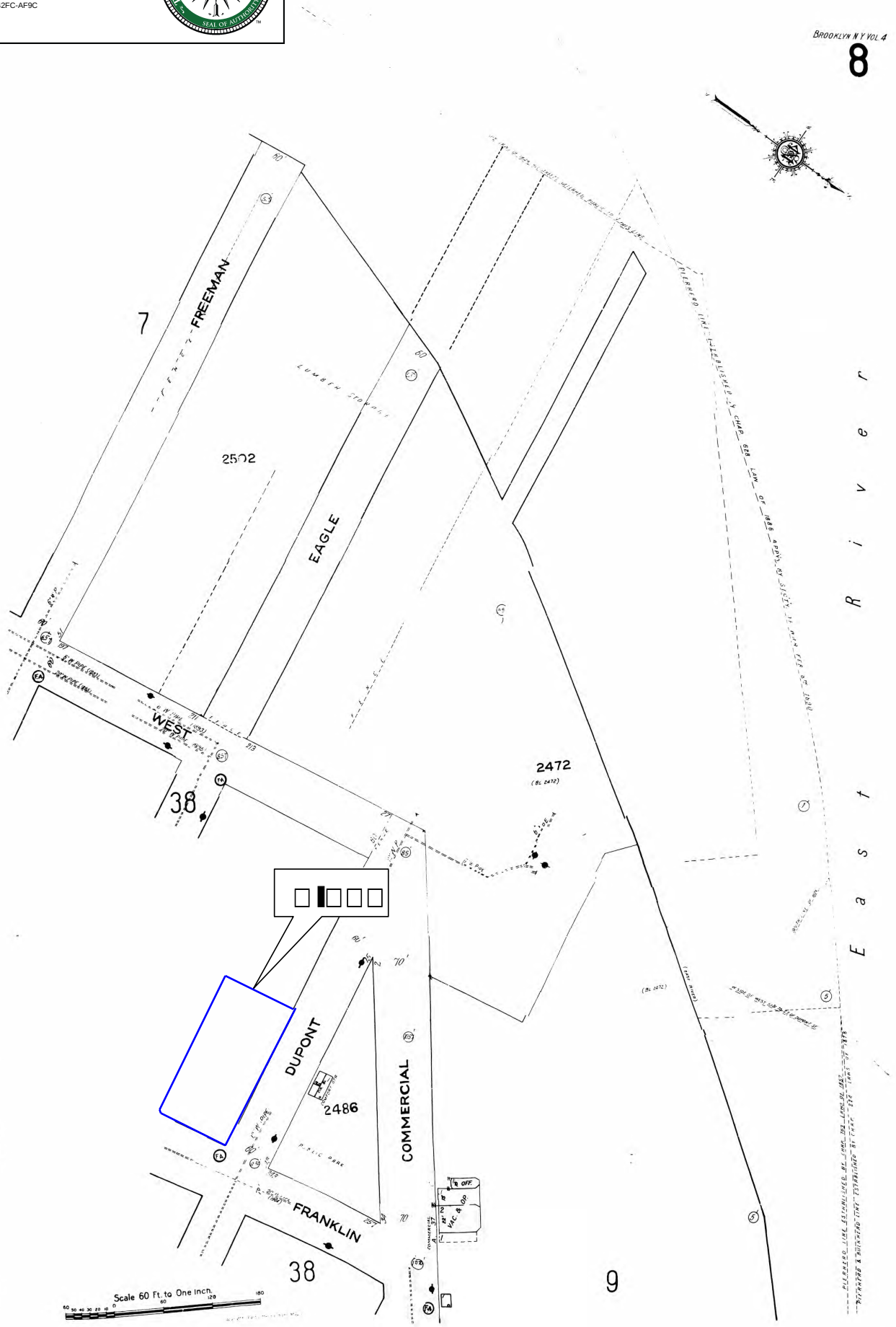

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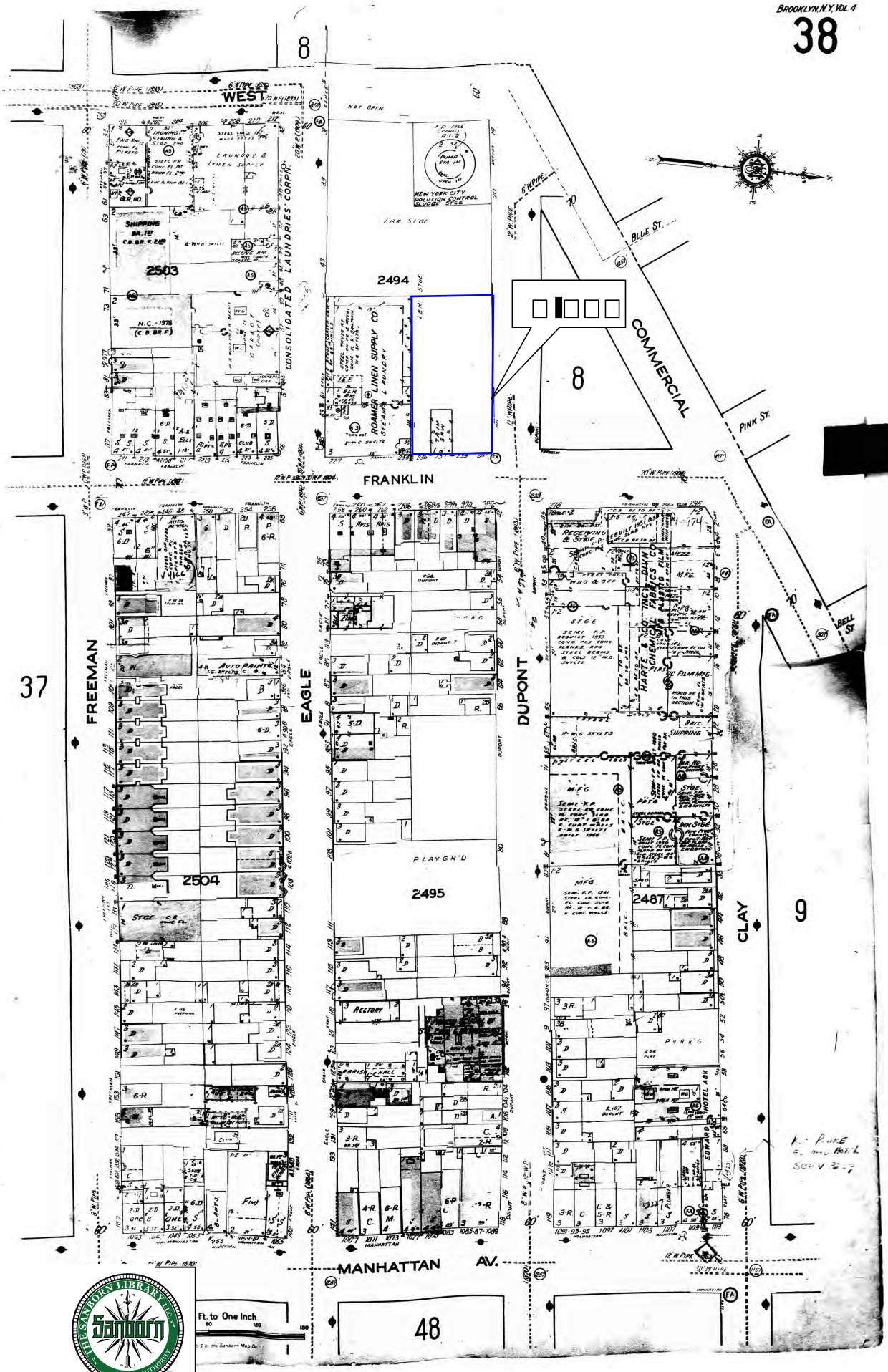

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Address:	14 Dupont Street
City, ST, ZIP:	Brooklyn NY 11222
Client:	TRC Environmental Consultants
EDR Inquiry:	2221604.3S
Order Date:	5/16/2008 9:11:38 AM
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Address: 14 Dupont Street

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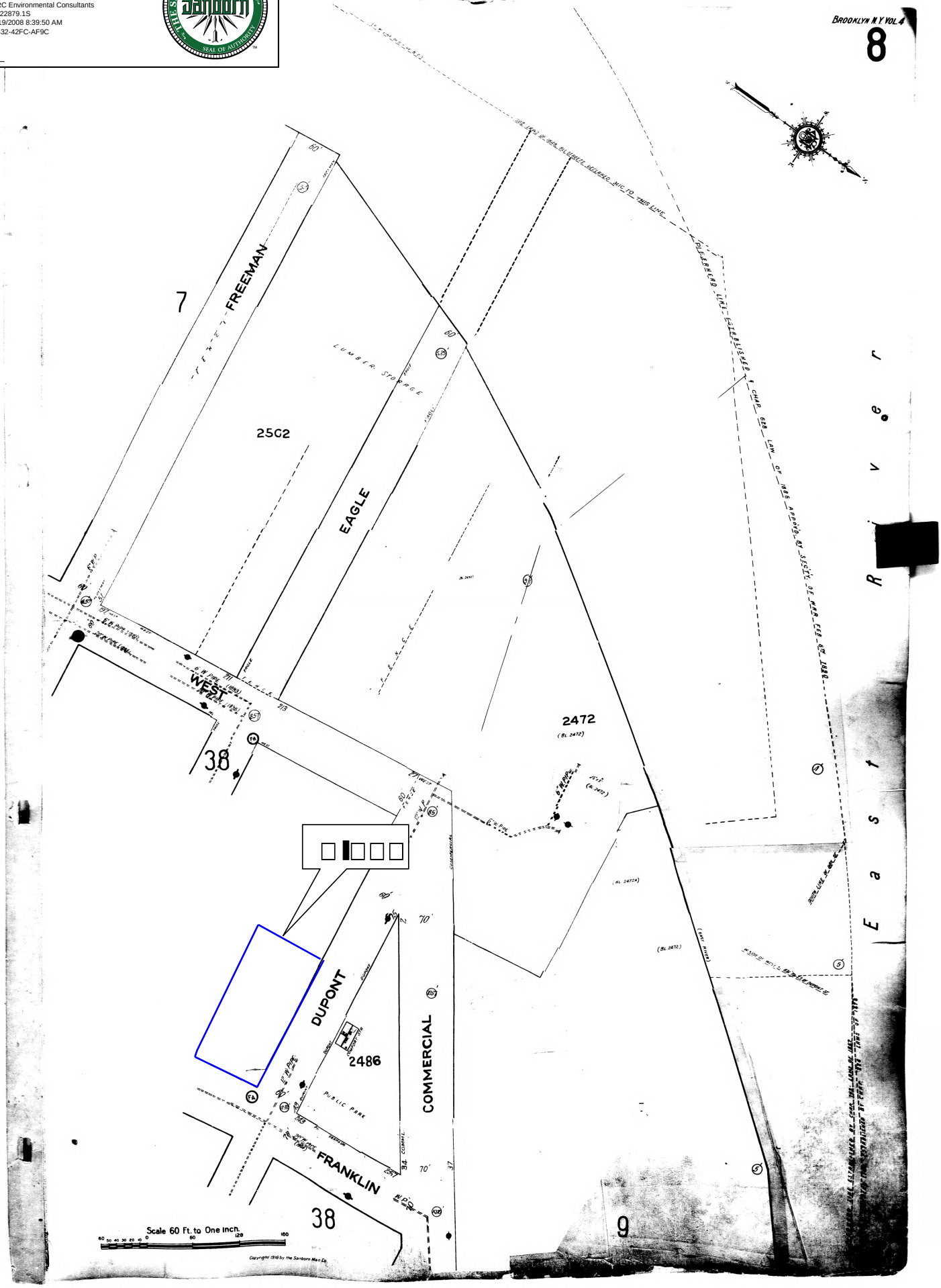

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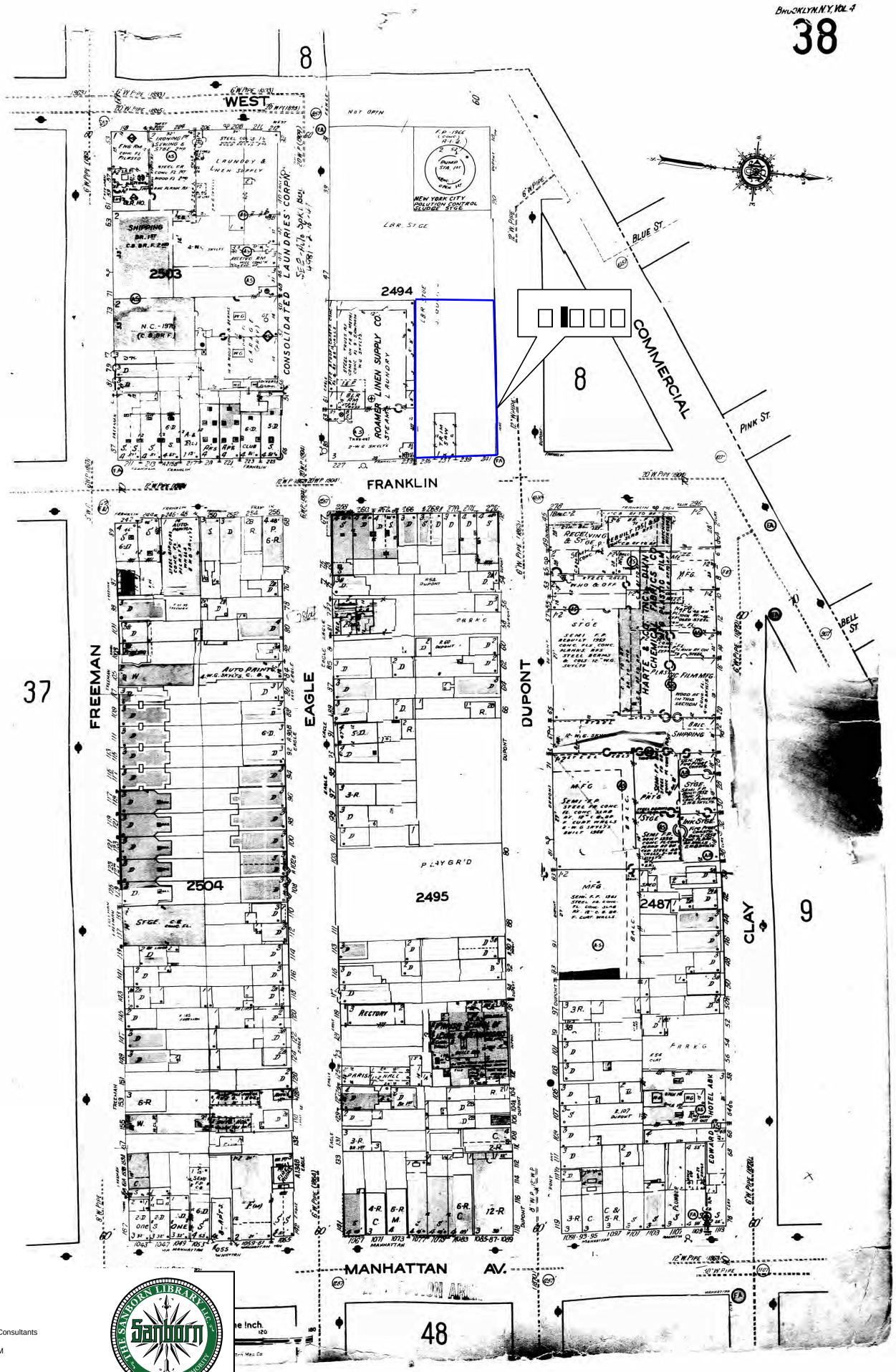

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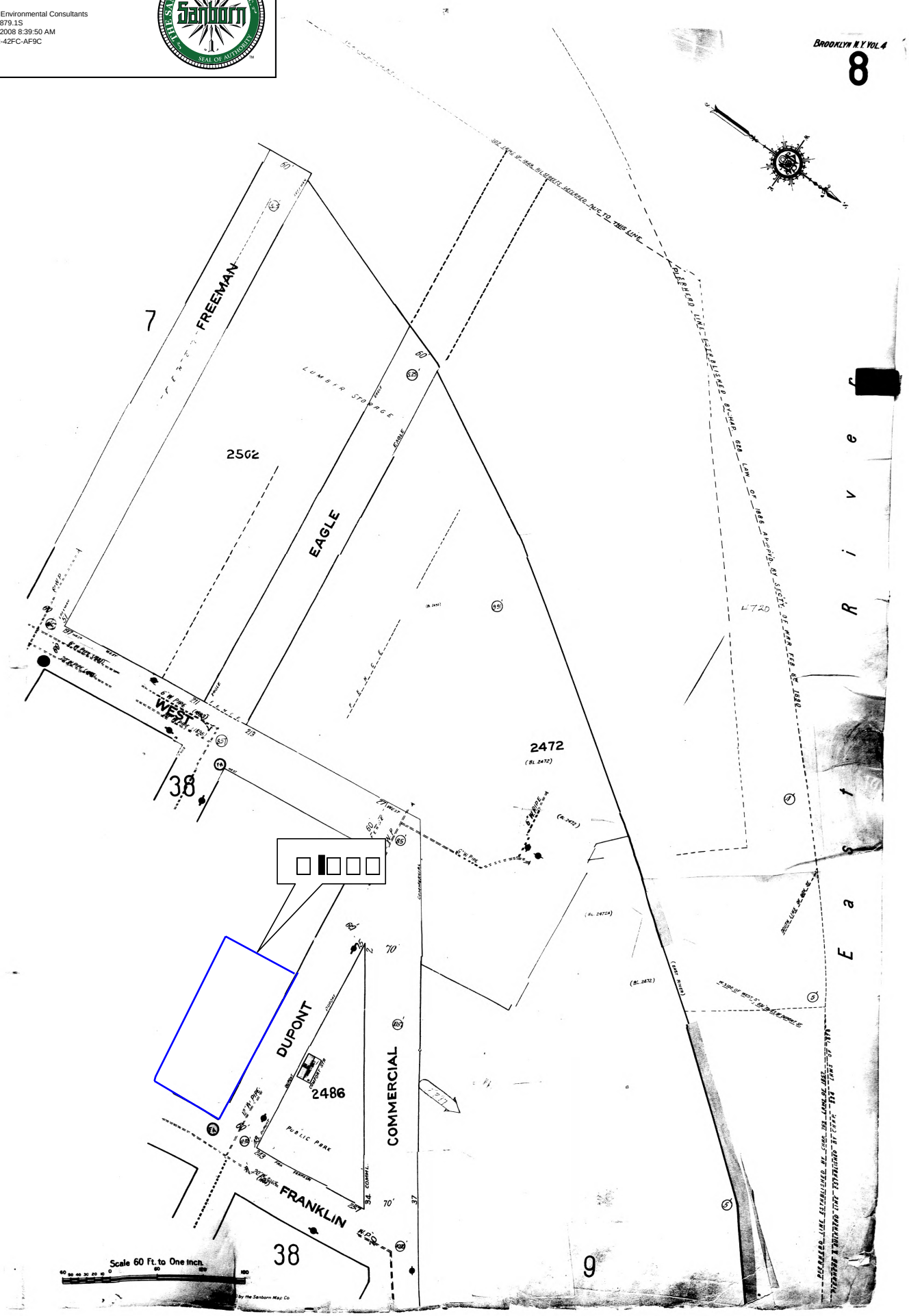

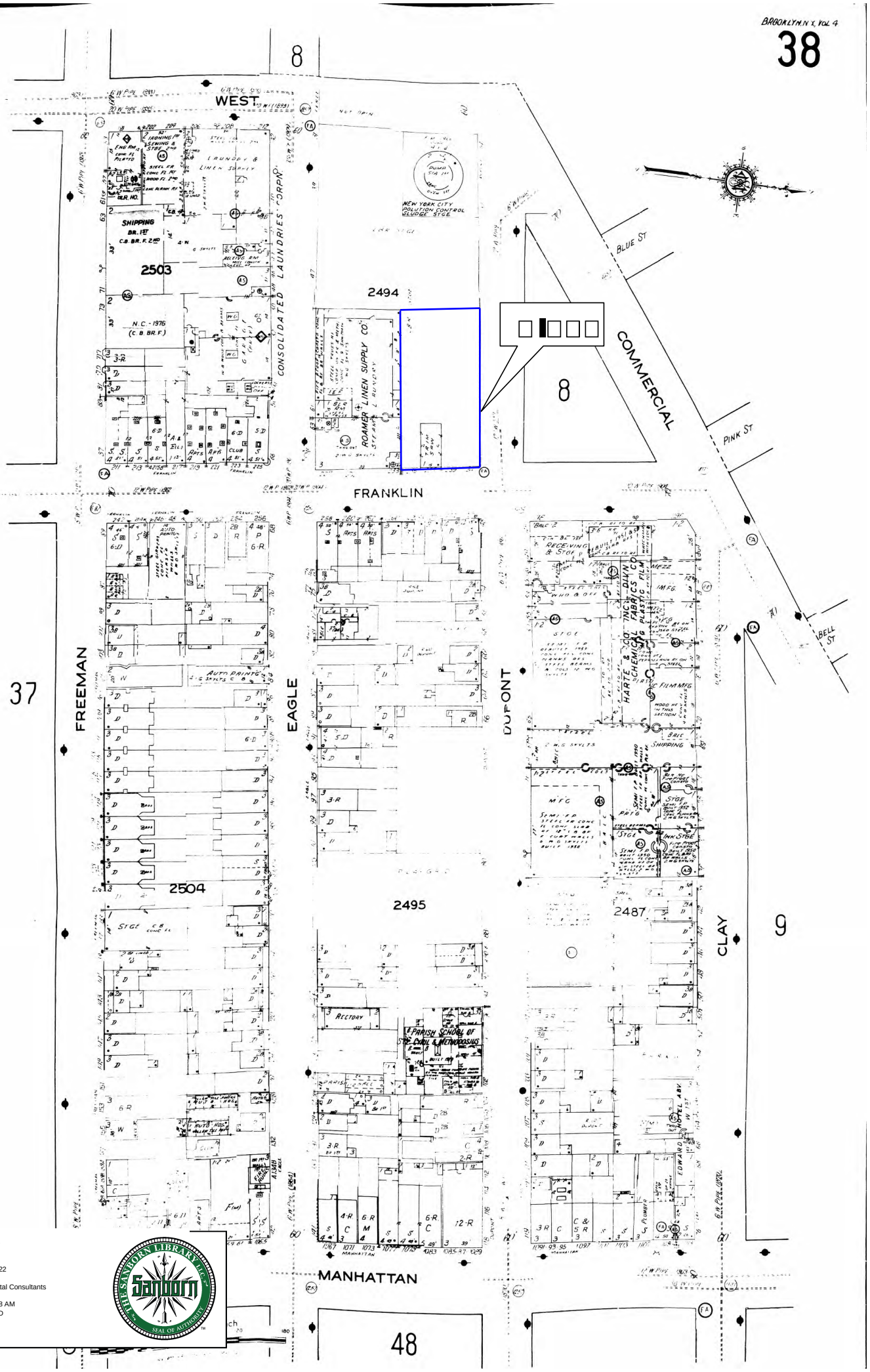

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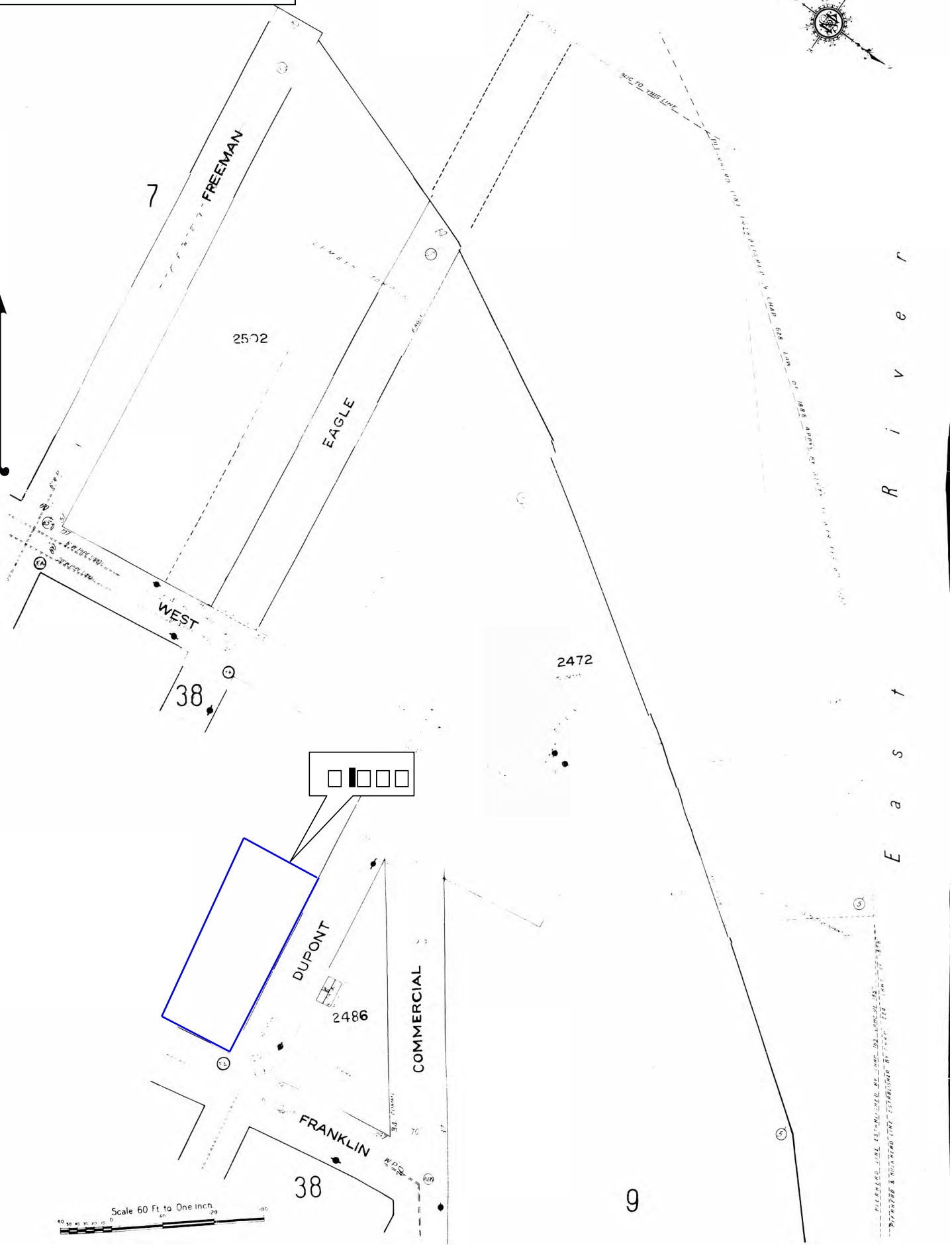

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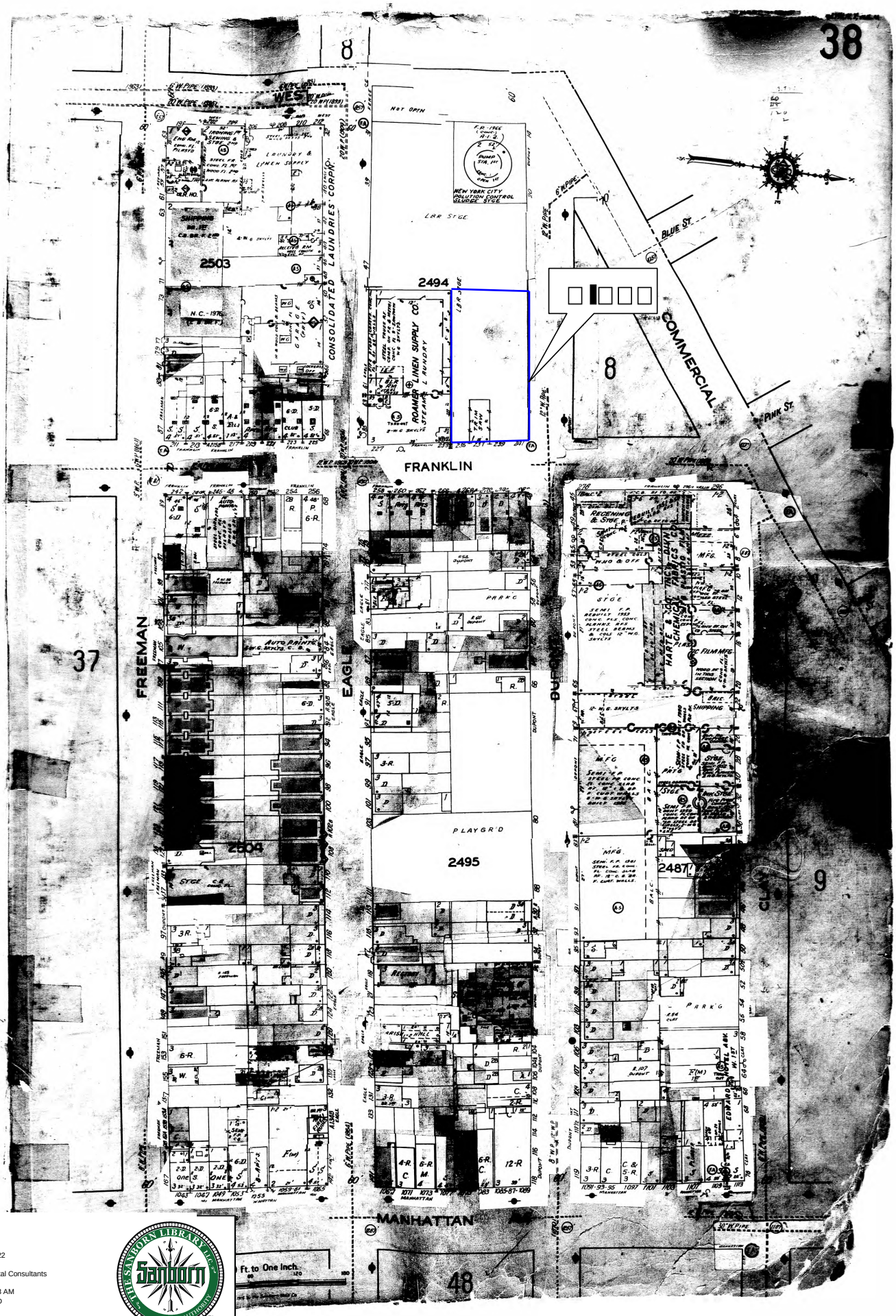

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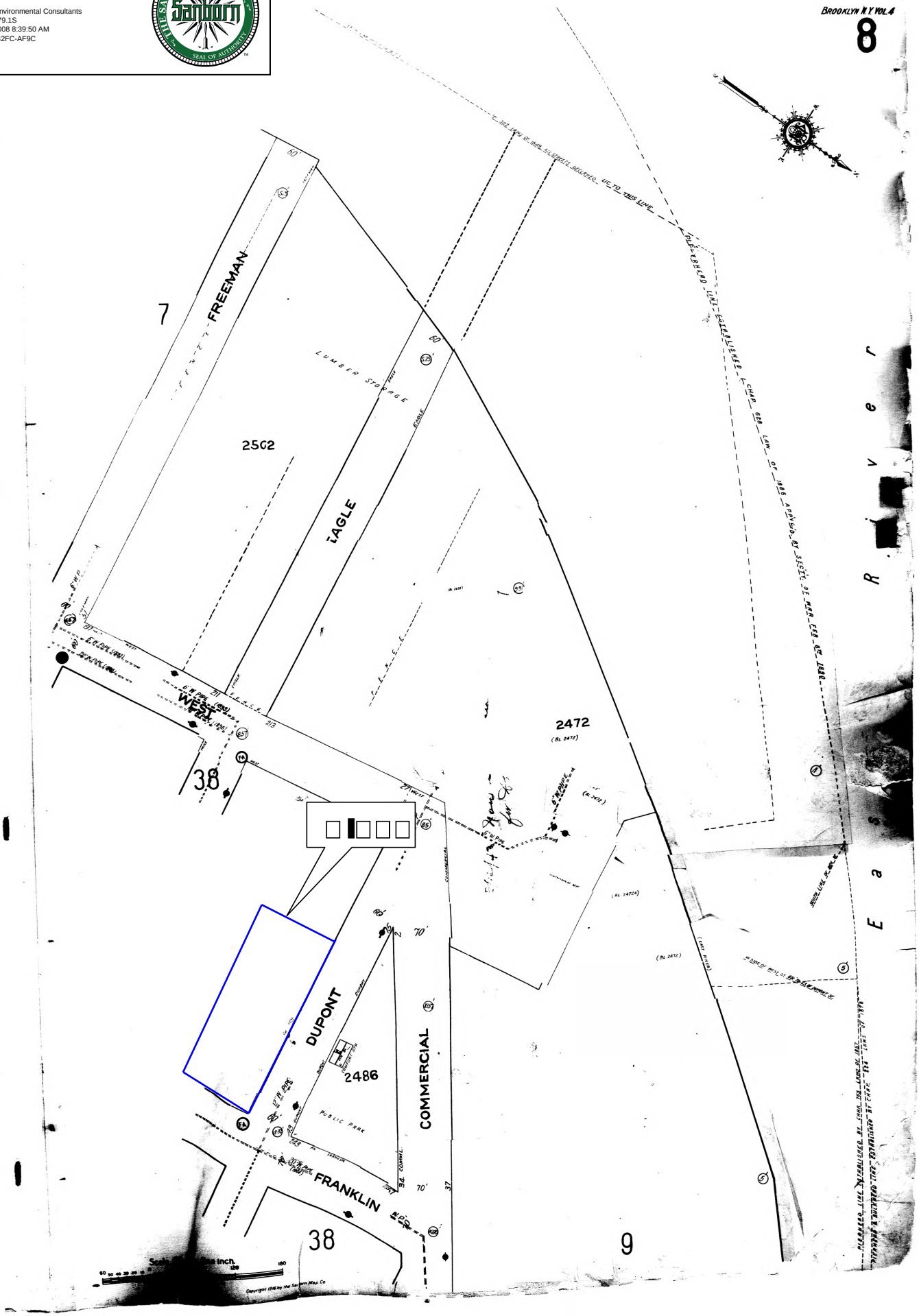

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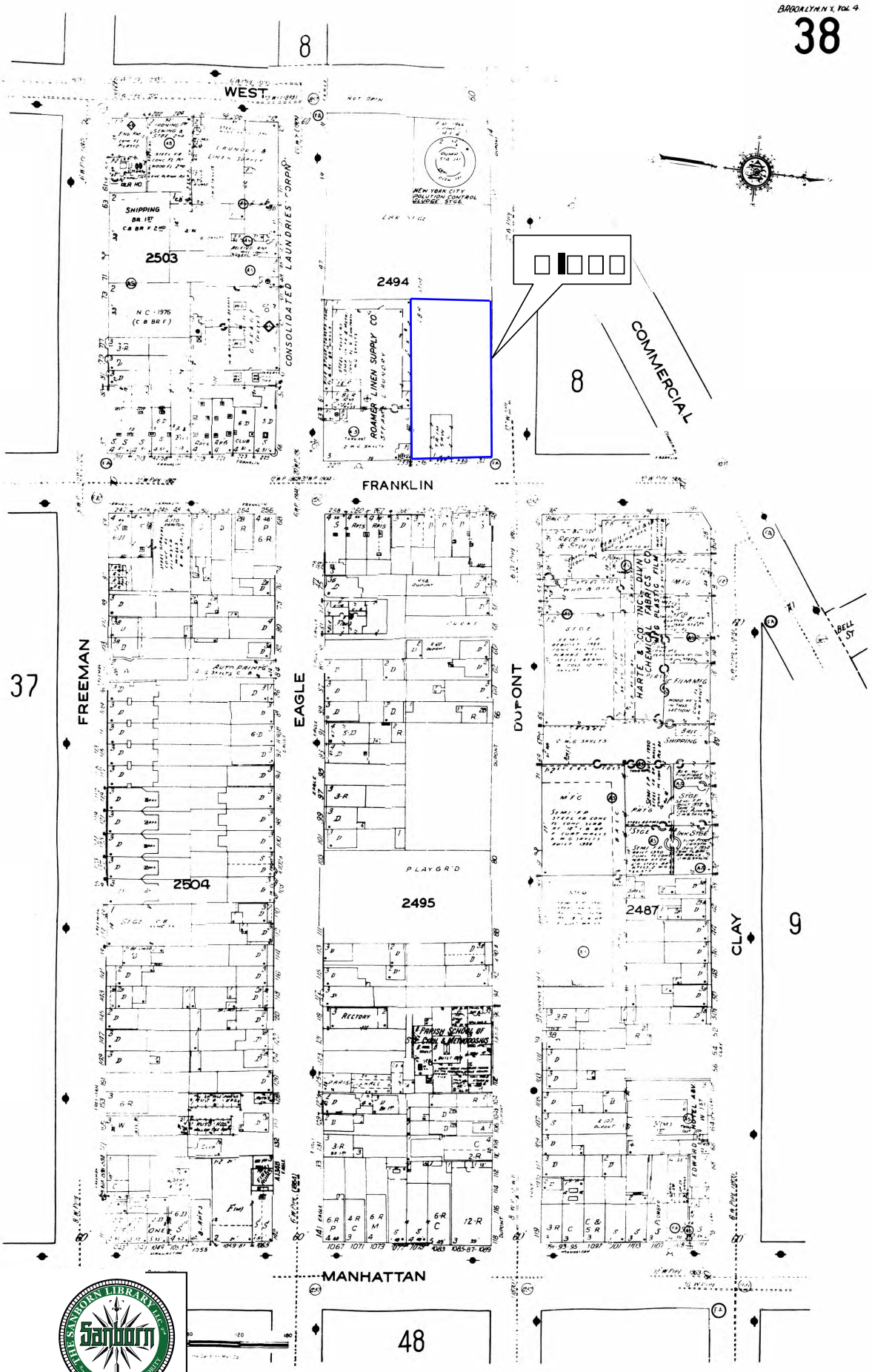

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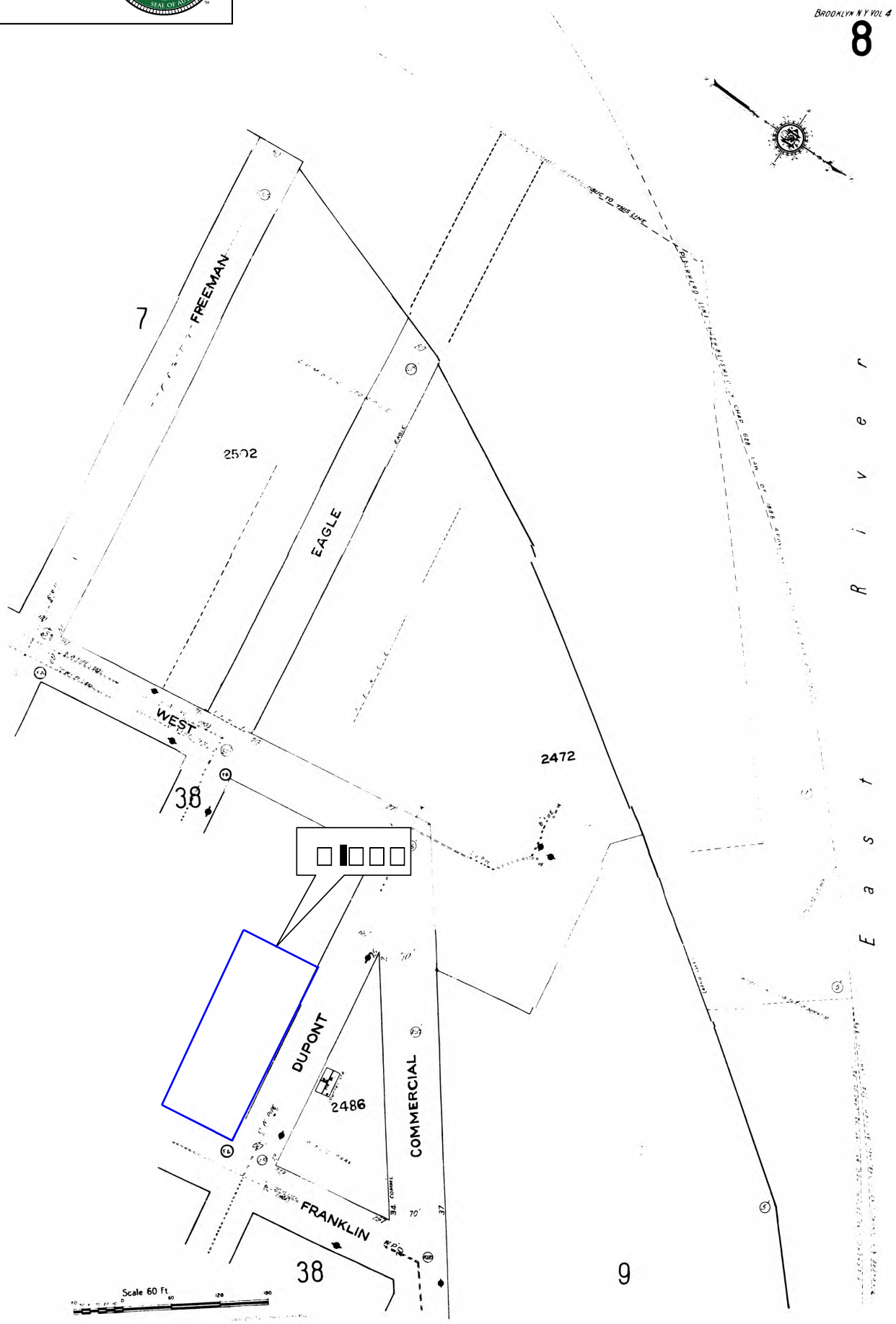

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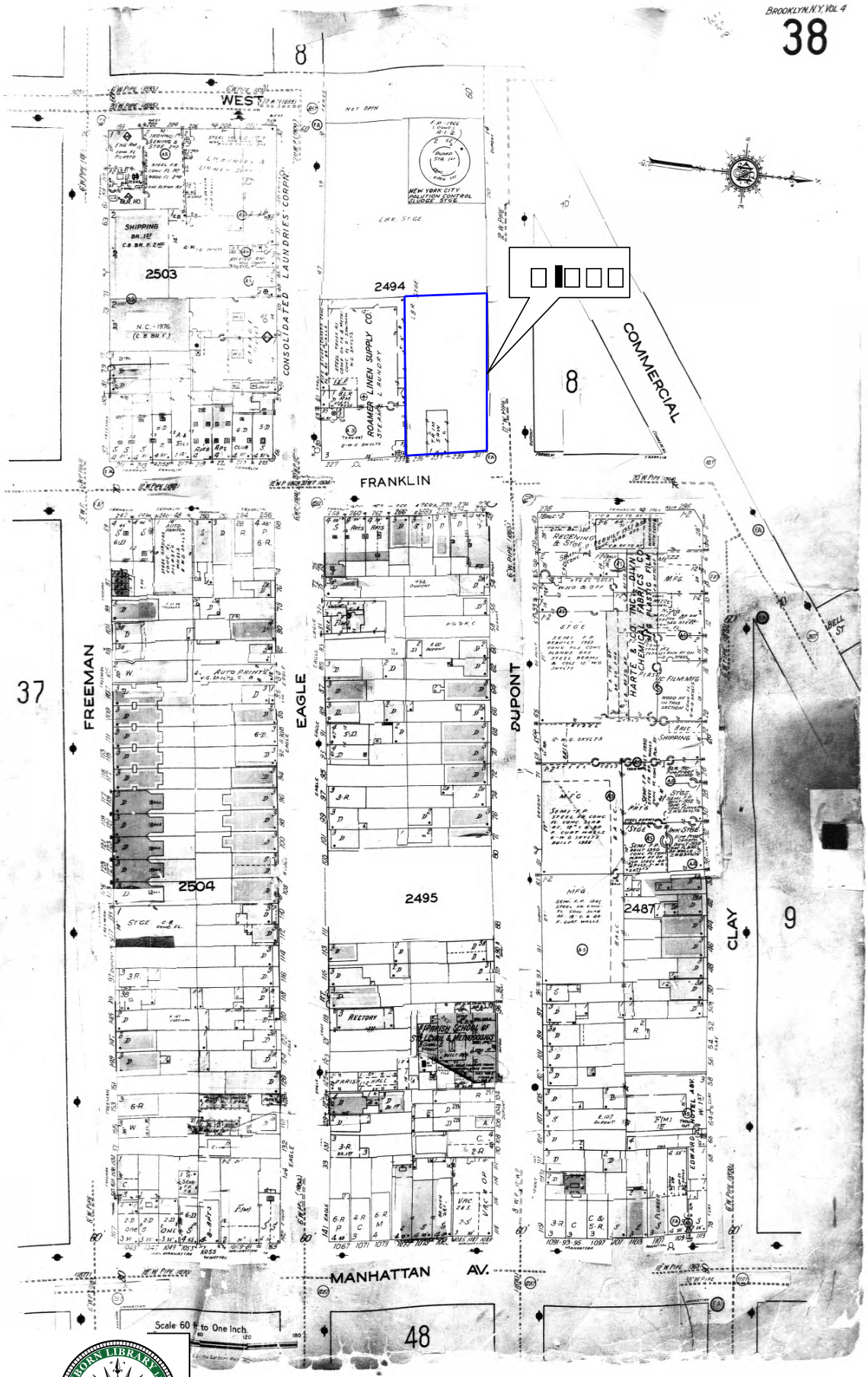

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Copyright: 1987

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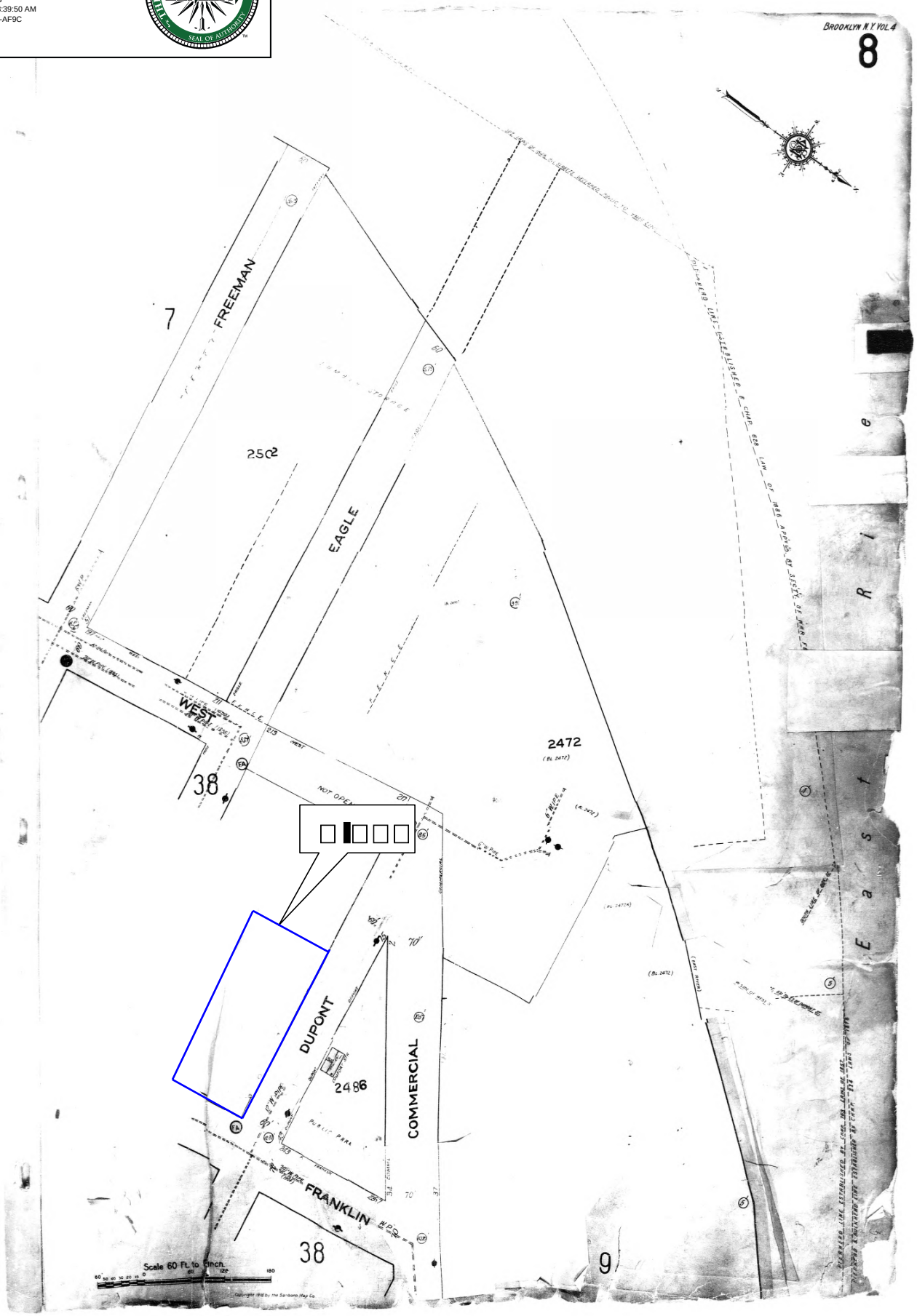

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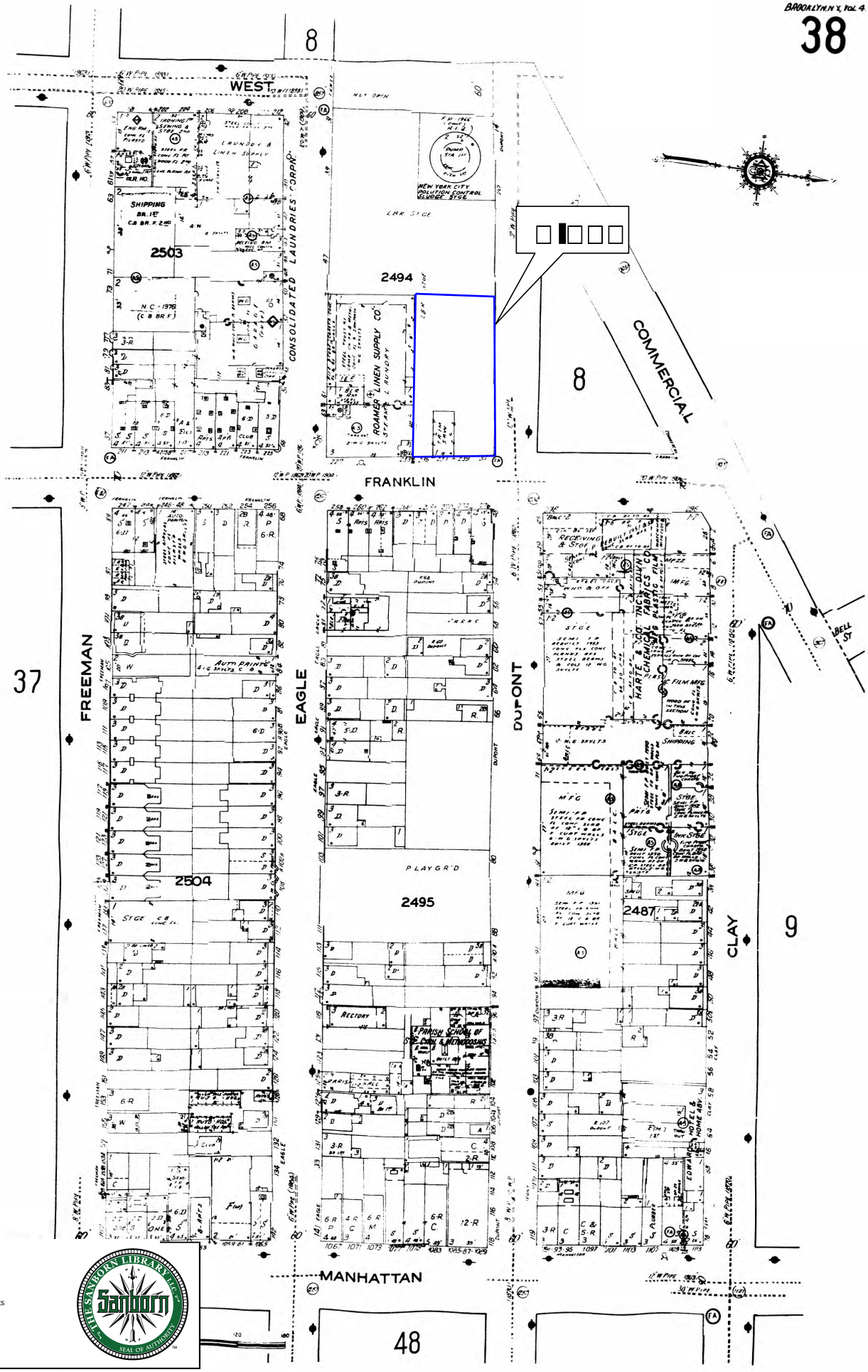

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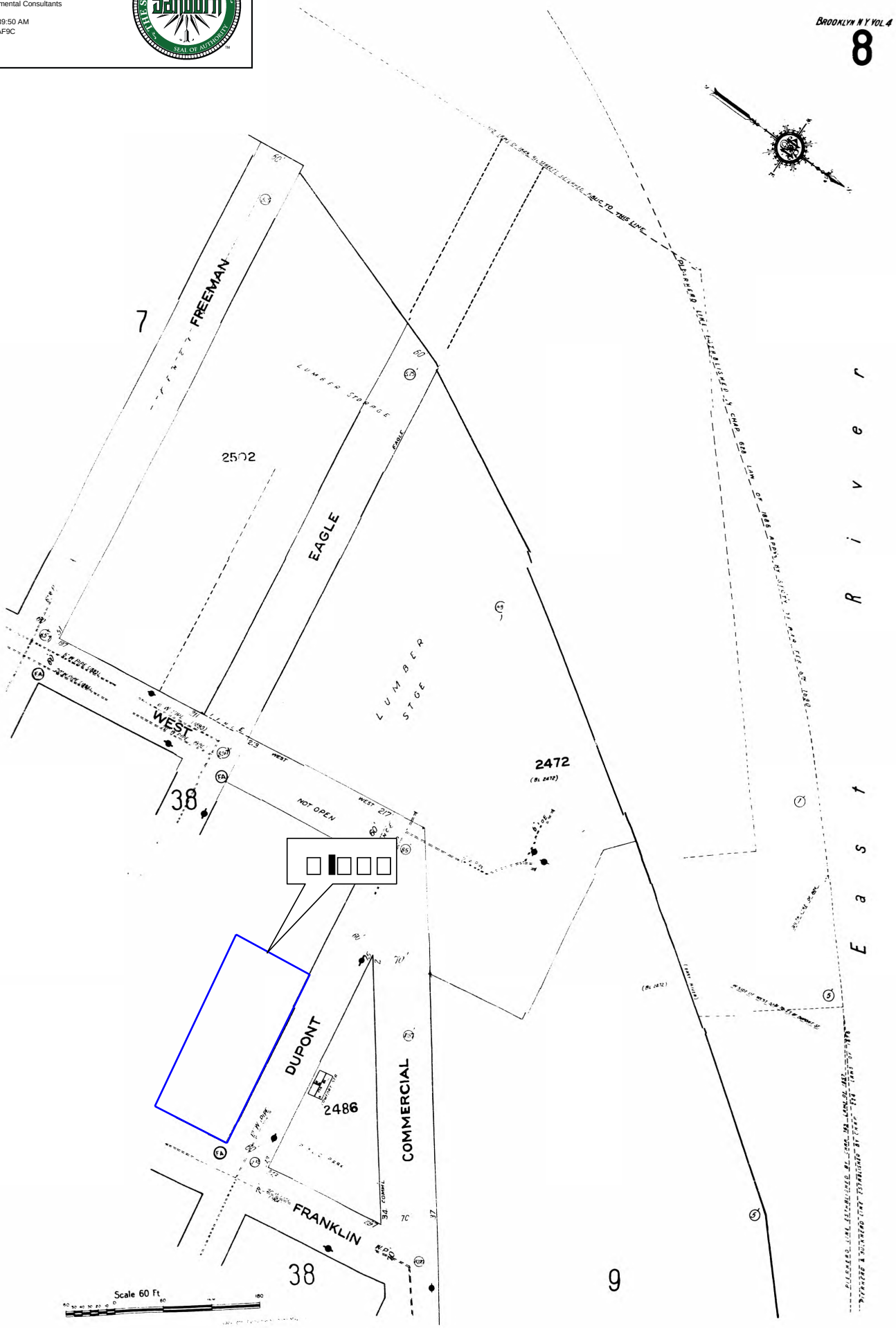

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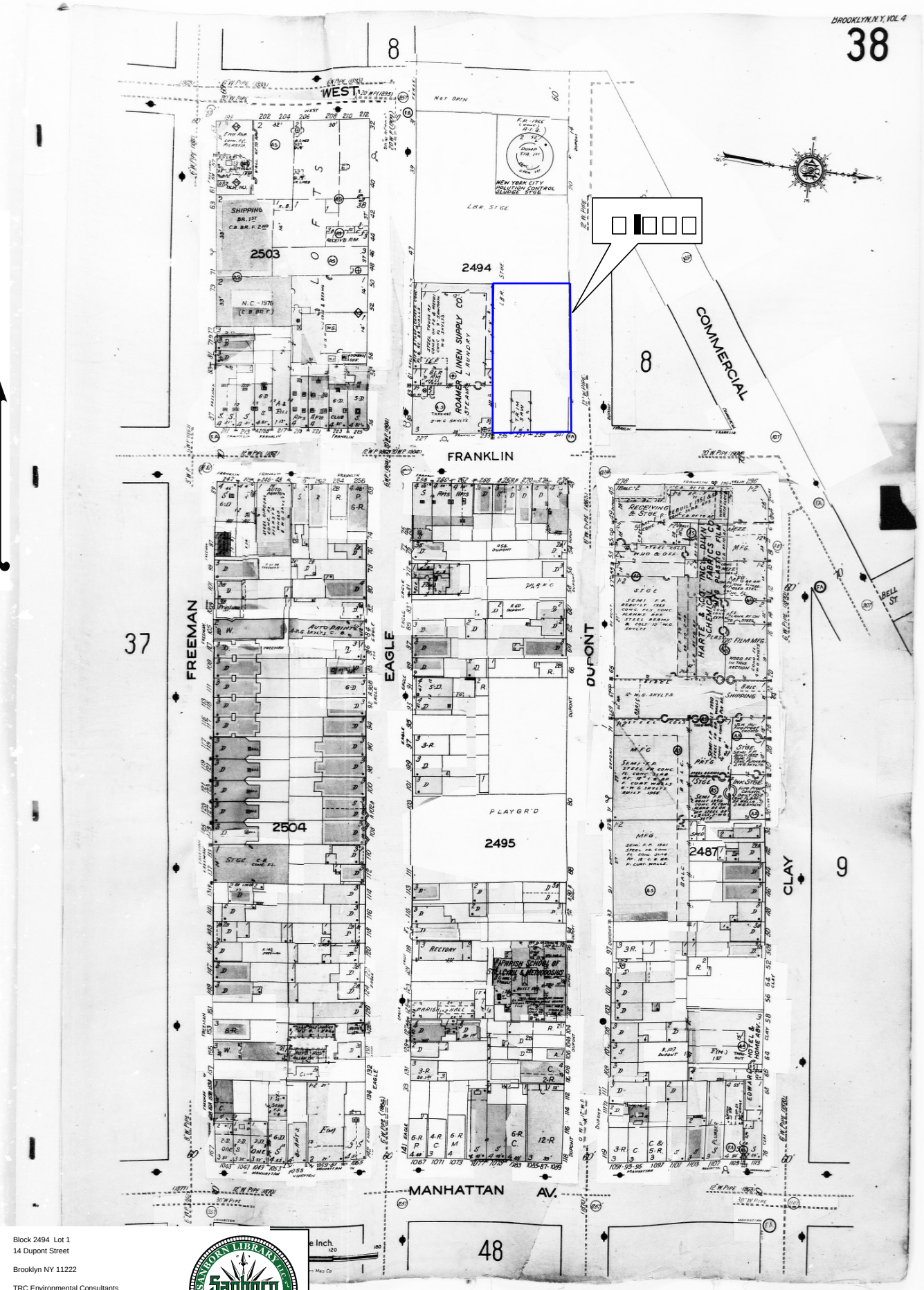

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Client:	TRC Environmental Consultants
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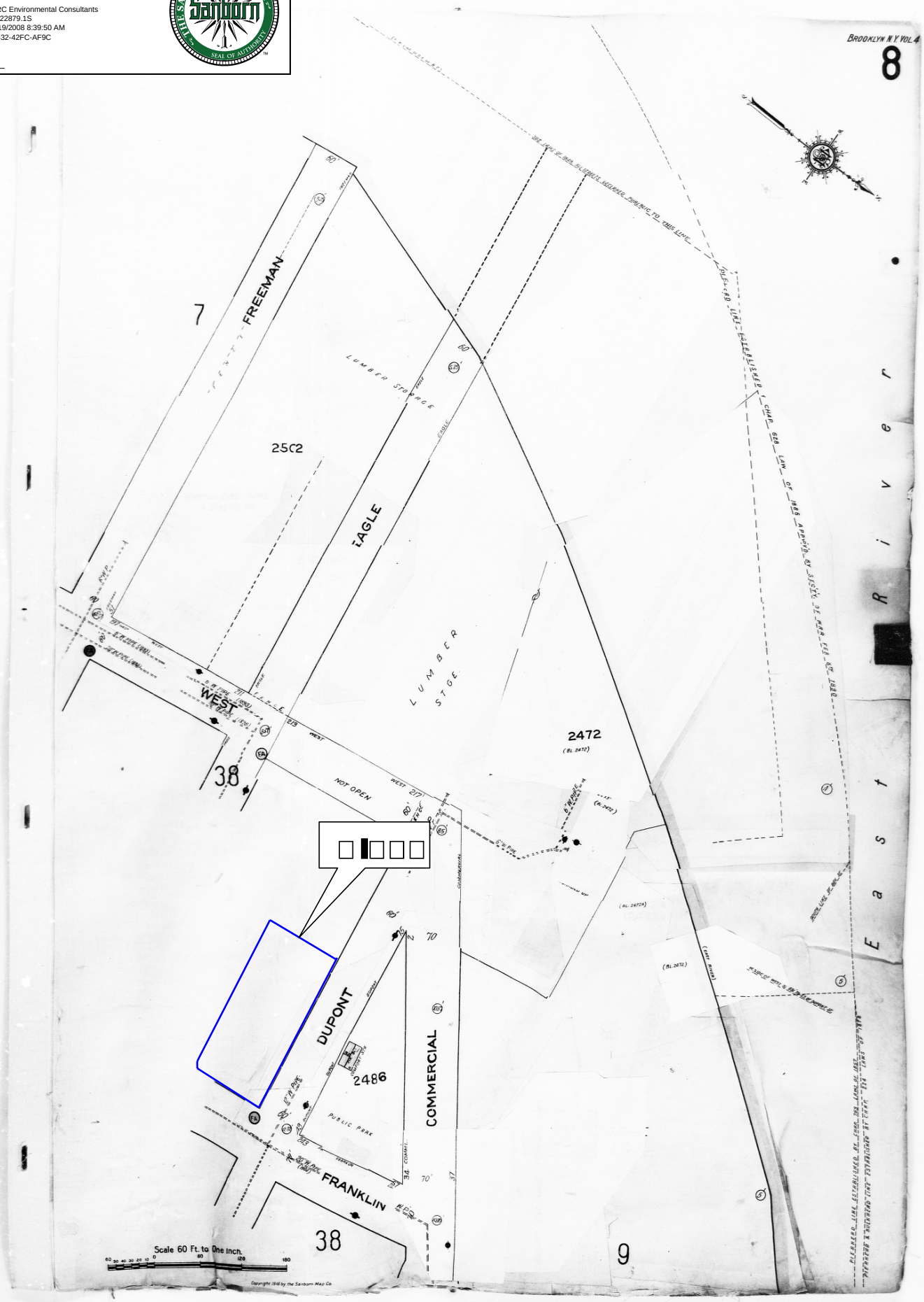

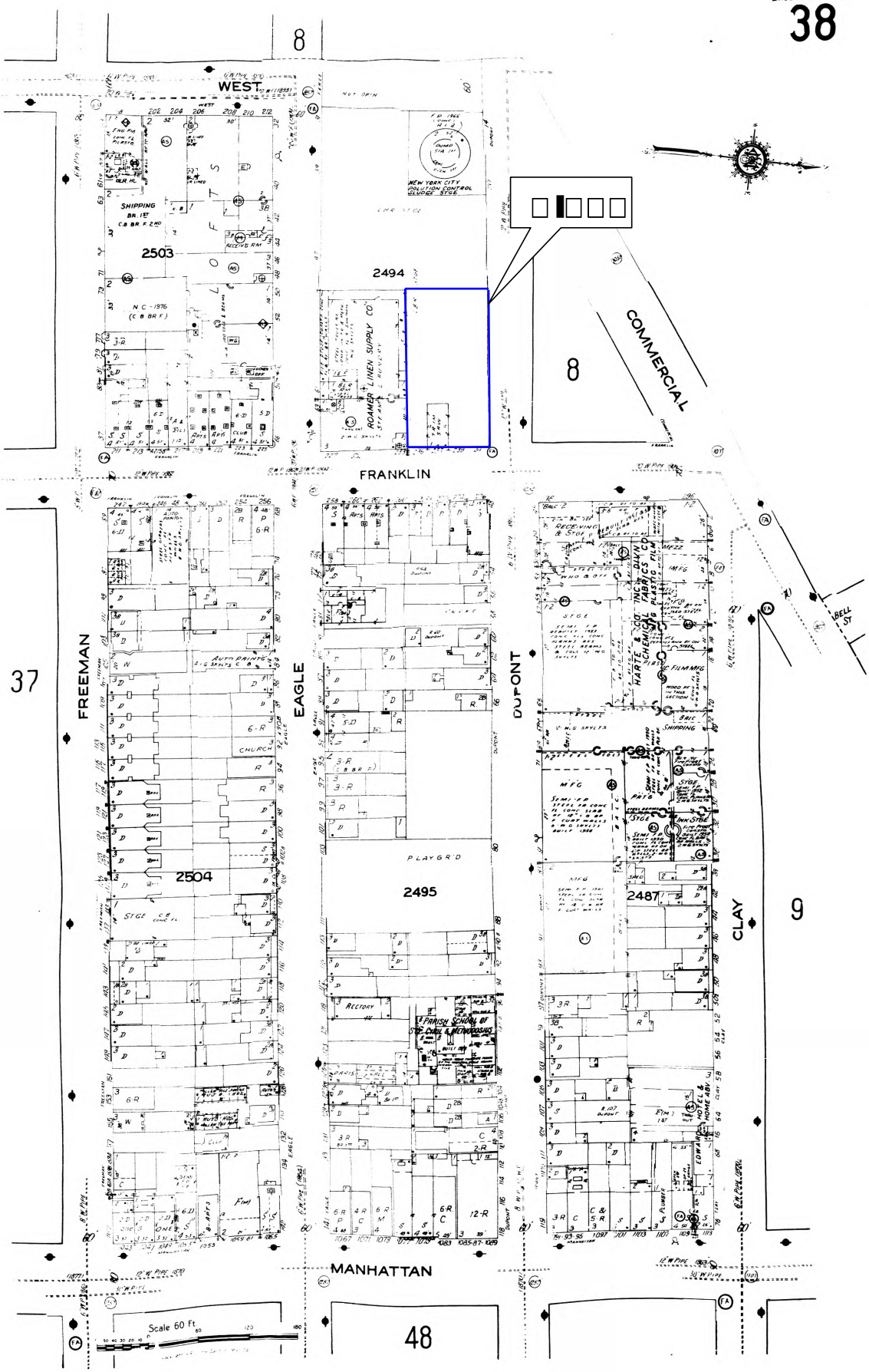

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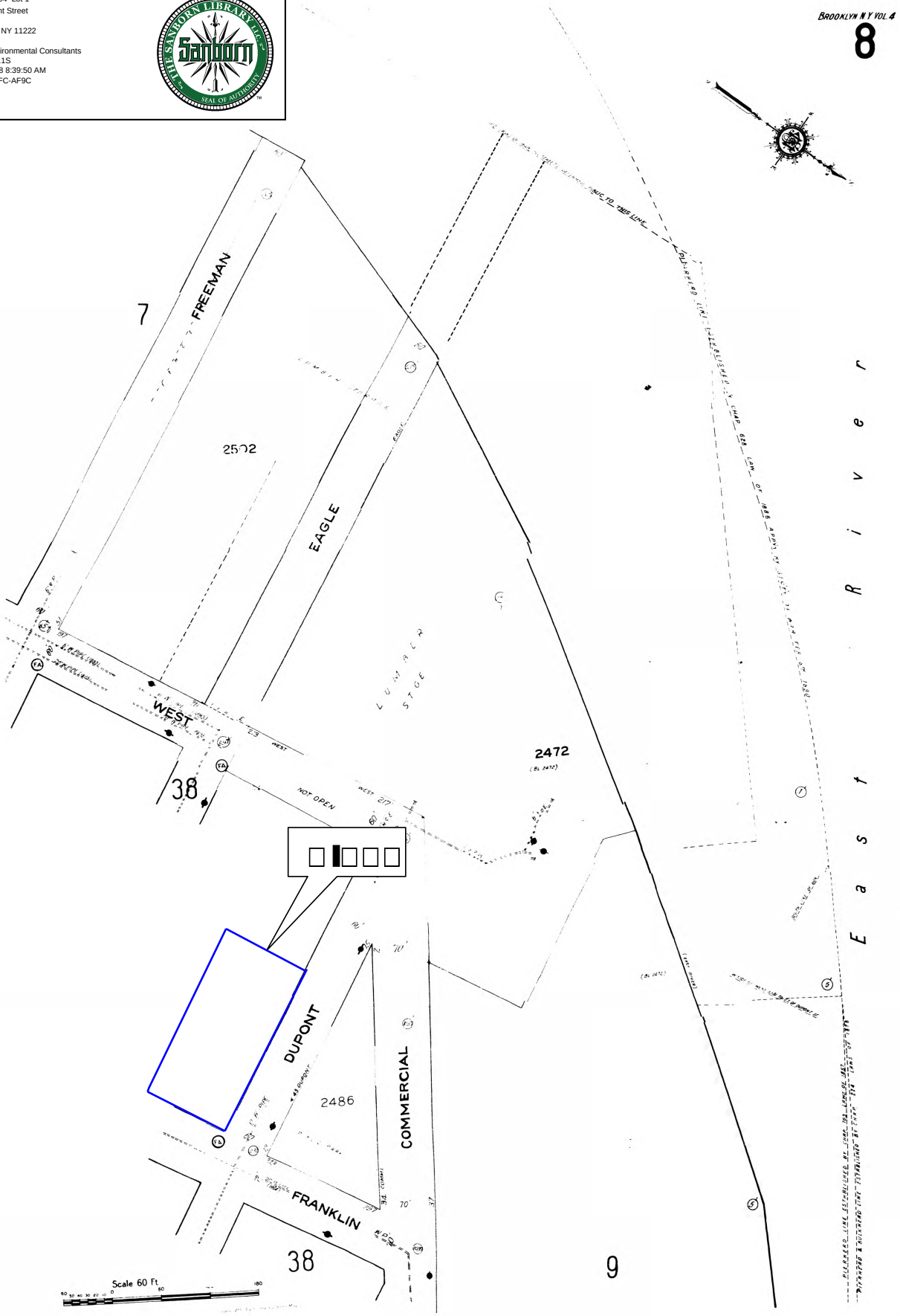

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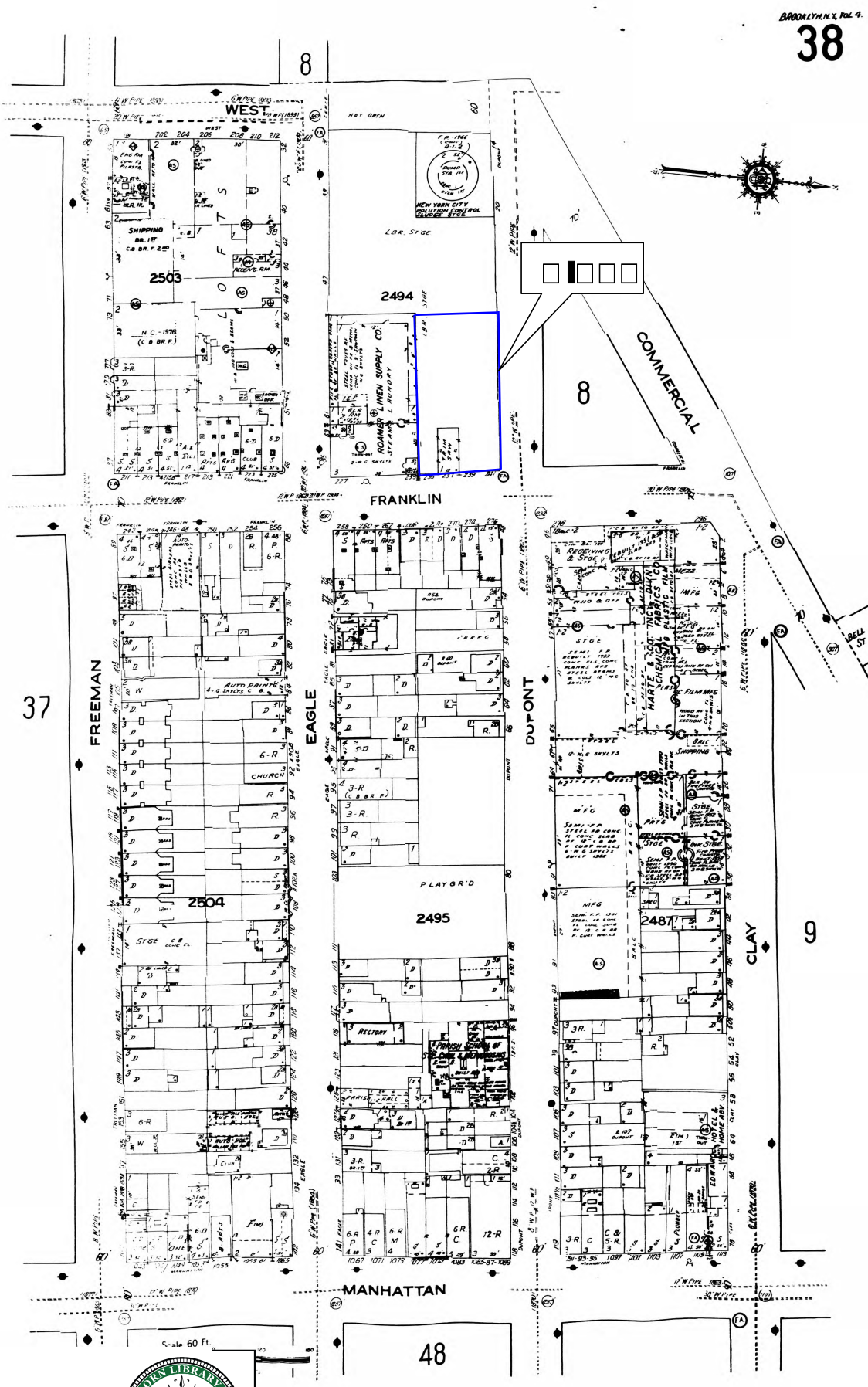

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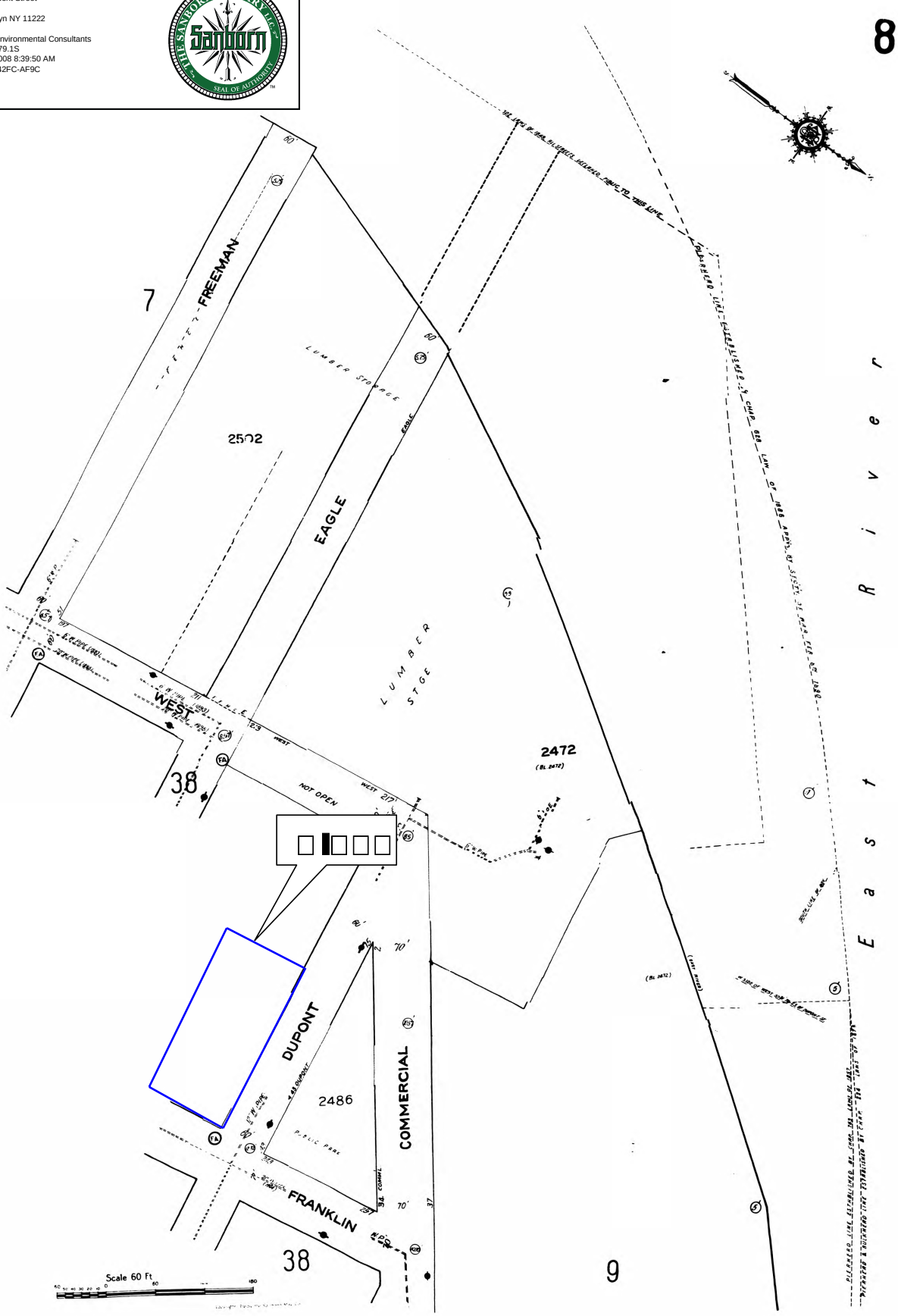

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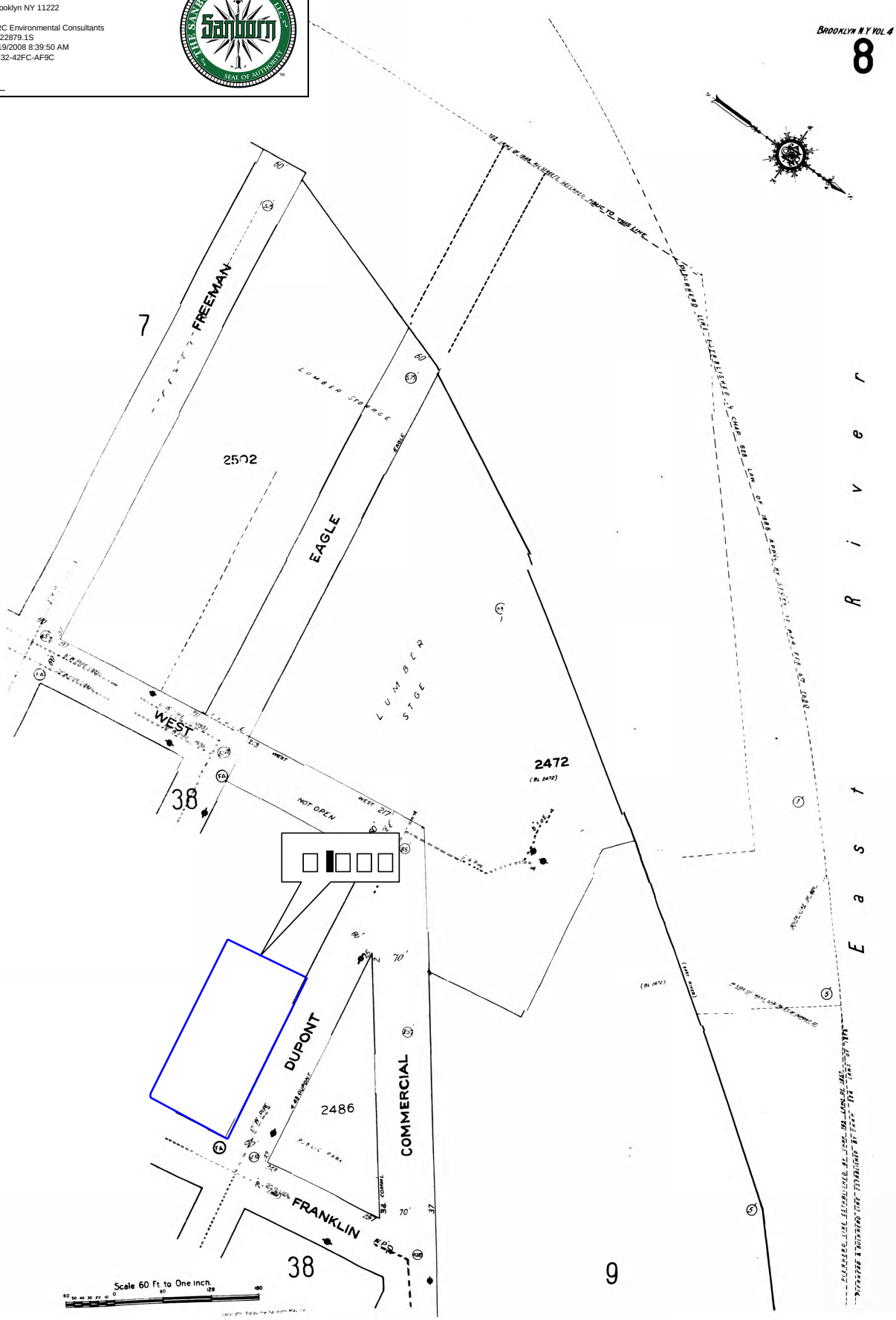

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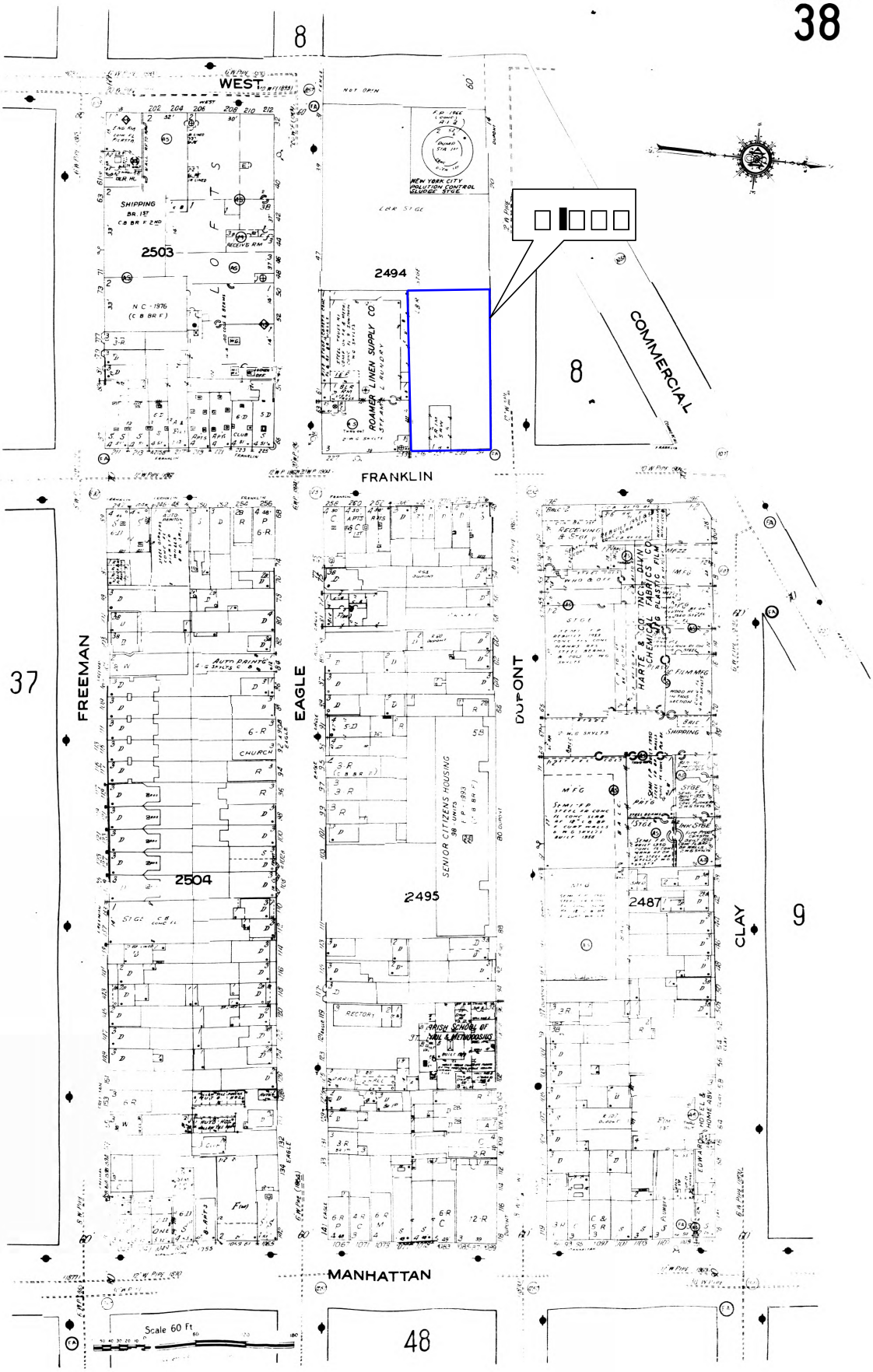

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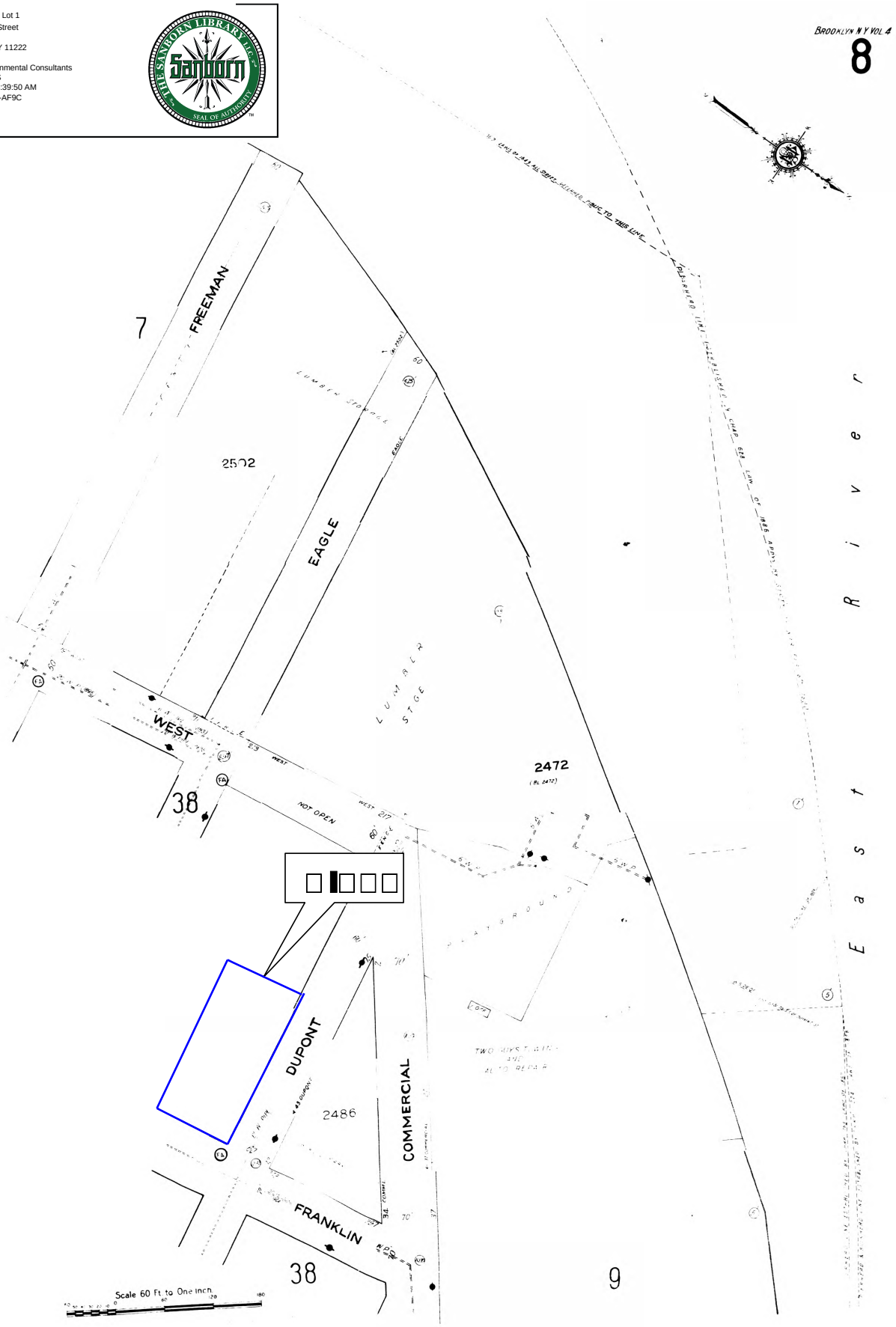

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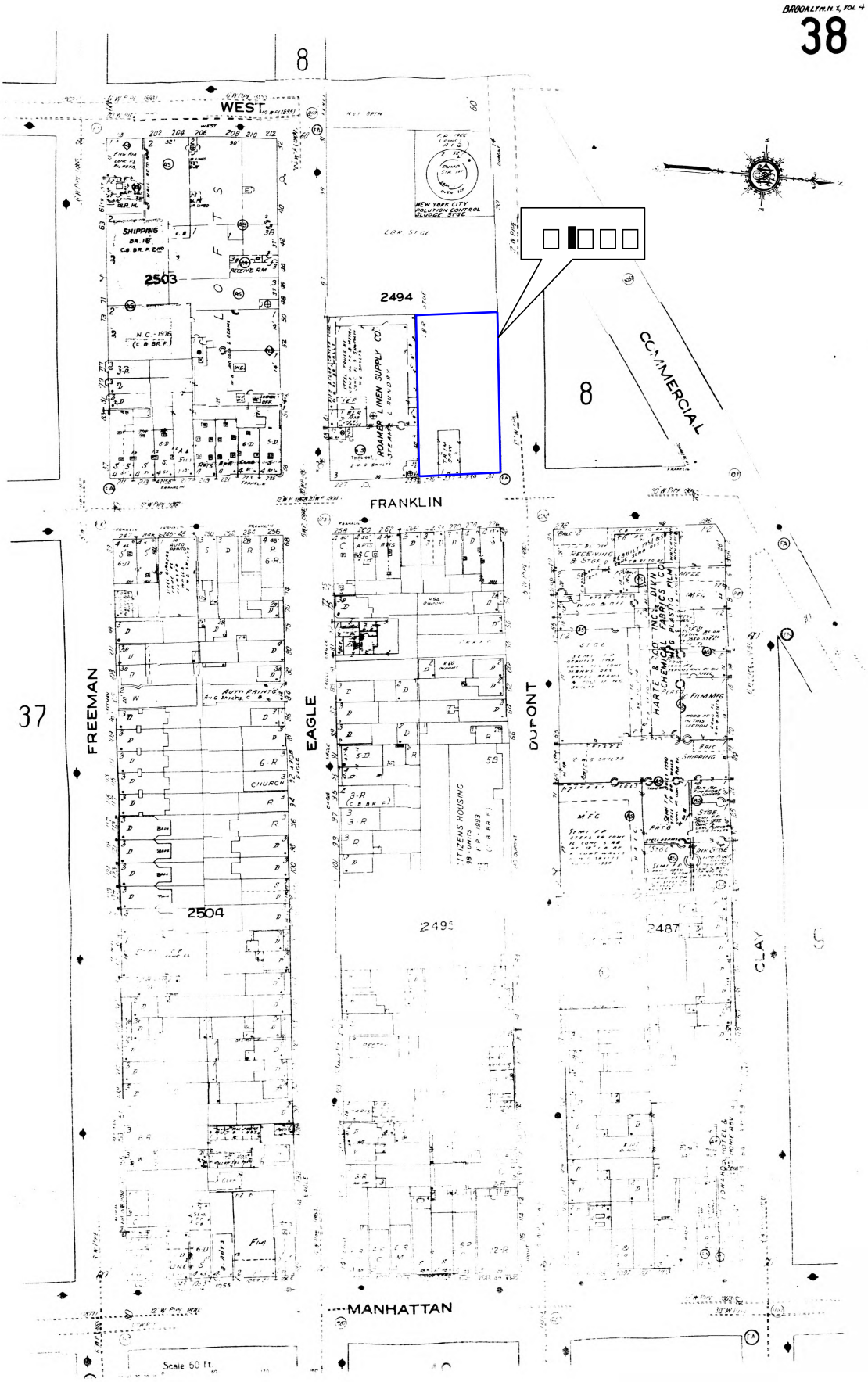

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EDR Inquiry:	2221604.3S
Order Date:	5/16/2008 9:11:38 AM
Certification #	E259-4AAA-B3BD

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Site Name: Block 2494 Lot 1
Address: 14 Dupont Street

City, ST, ZIP: Brooklyn NY 11222

Client: TRC Environmental Consultants
EDR Inquiry: 2222879.1S
Order Date: 5/19/2008 8:39:50 AM
Certification # 7B32-42FC-AF9C

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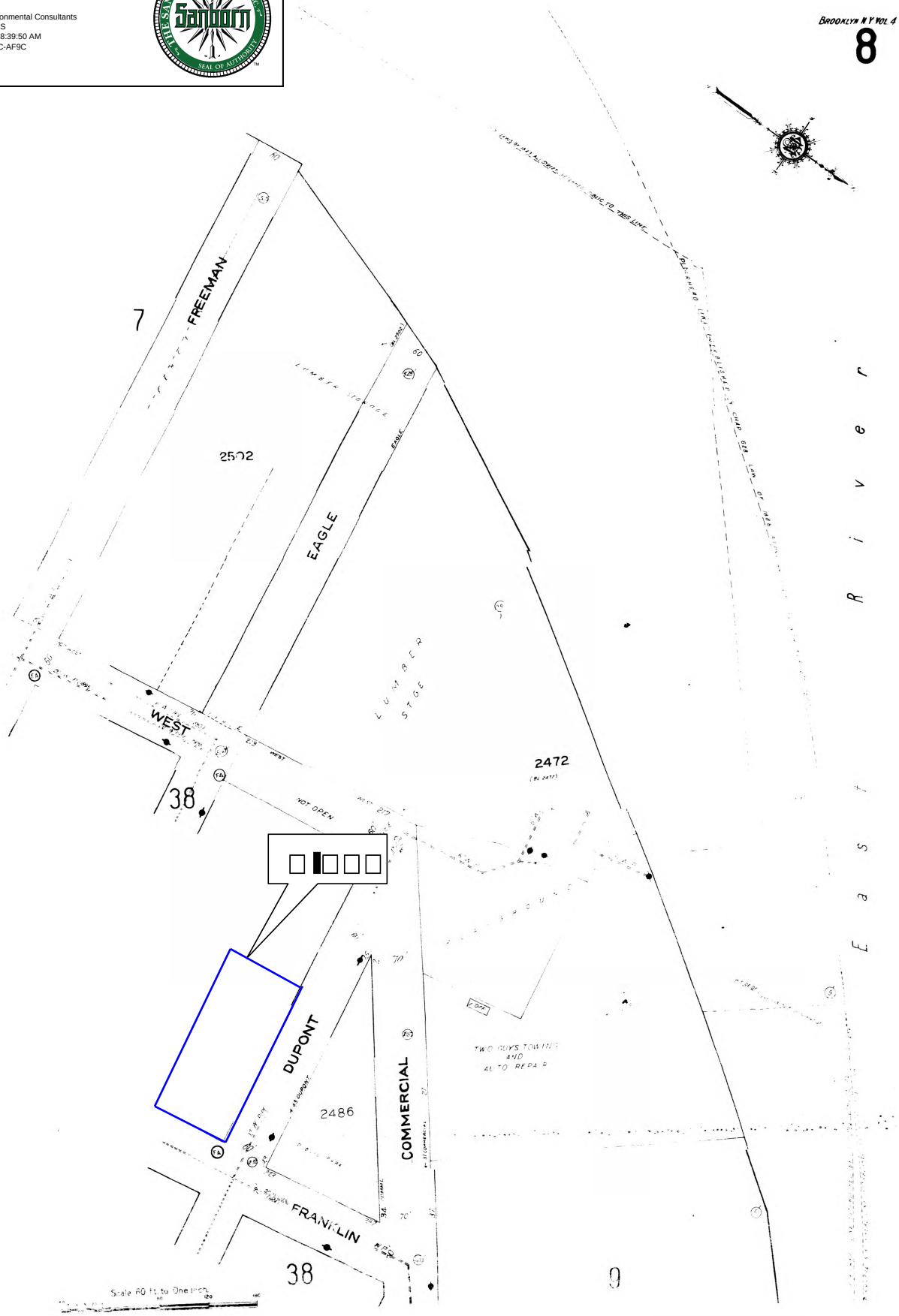
BROOKLYN N Y VOL 4
8



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APPENDIX I

REGULATORY AGENCY DATABASE REPORT (ELECTRONIC - CD1)

Block 2494, Lot 1
14 Dupont Street
Brooklyn, NY 11222

Inquiry Number: 2221604.2s
May 15, 2008

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

14 DUPONT STREET
BROOKLYN, NY 11222

COORDINATES

Latitude (North):	40.735420 - 40˚ 44' 7.5''
Longitude (West):	73.958660 - 73˚ 57' 31.2''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	587930.6
UTM Y (Meters):	4509697.0
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL LIENS..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
LIENS 2..... CERCLA Lien Information
RCRA-TSDF..... RCRA - Transporters, Storage and Disposal
RCRA-SQG..... RCRA - Small Quantity Generators
US ENG CONTROLS..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL ..... Sites with Institutional Controls
ERNS ..... Emergency Response Notification System
HMIRS ..... Hazardous Materials Information Reporting System
DOT OPS ..... Incident and Accident Data
US CDL ..... Clandestine Drug Labs
US BROWNFIELDS ..... A Listing of Brownfields Sites
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
LUCIS ..... Land Use Control Information System
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems
ICIS ..... Integrated Compliance Information System
PADS ..... PCB Activity Database System
MLTS ..... Material Licensing Tracking System
RADINFO ..... Radiation Information Database
FINDS ..... Facility Index System/Facility Registry System
RAATS ..... RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HSWDS ..... Hazardous Substance Waste Disposal Site Inventory
SHWS ..... Inactive Hazardous Waste Disposal Sites in New York State
SWTIRE ..... Registered Waste Tire Storage & Facility List
CBS UST ..... Chemical Bulk Storage Database
HIST AST ..... Historical Petroleum Bulk Storage Database
CBS AST ..... Chemical Bulk Storage Database
ENG CONTROLS ..... Registry of Engineering Controls
INST CONTROL ..... Registry of Institutional Controls
BROWNFIELDS ..... Brownfields Site List
NPDES ..... State Pollutant Discharge Elimination System
AIRS ..... Air Emissions Data
RES DECL ..... Restrictive Declarations Listing

TRIBAL RECORDS

INDIAN RESERV ..... Indian Reservations
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST ..... Underground Storage Tanks on Indian Land

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

FEDERAL RECORDS

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/26/2008 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
KOSAN INDUSTRIAL CORP	*5-49 49TH AVE*	*1/2 - 1 NNE*	*244*	*783*
ACCURATE ASSOCIATES	*5-36 46TH RD*	*1/2 - 1 NNE*	*BB247*	*793*

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/06/2008 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NYCT-CROSSTOWN ANNEX	*65 COMMERCIAL STREET*	*1/8 - 1/4 NE*	*F51*	*157*

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/06/2008 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
S & G WOODWORKING INC	*1155 MANHATTAN AVE - MA*	*1/8 - 1/4 NE*	*T103*	*370*

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 03/06/2008 has revealed that there are 14 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
DYNAMIT NOBEL-HARTE, INC	*49 DUPONT STREET*	*0 - 1/8 ENE*	*A6*	*14*
CON ED - V 3283	*55 DUPONT ST*	*0 - 1/8 ENE*	*A10*	*45*

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PAT & DOMS BODY & FENDER REPAI	*246 FRANKLIN ST*	*0 - 1/8 SSE*	*29*	*87*
INTERFLO TECHNOLOGIES	*19 CLAY STREET*	*0 - 1/8 NE*	*33*	*95*
VINYL BINDED PRODUCTS CORP	*99 GREENS ST*	*1/8 - 1/4 SSE*	*I55*	*206*
HARTE & CO INC	*77 COMMERCIAL ST*	*1/8 - 1/4 NE*	*J58*	*225*
ELECTRICAL PRECISION METE	*214 FRANKLIN ST*	*1/8 - 1/4 S*	*L67*	*242*
KELLY CLEANERS	*1036 MANHATTAN AVE*	*1/8 - 1/4 ESE*	*P87*	*284*
CON EDISON	*MANHATTAN AVE & BOX ST*	*1/8 - 1/4 NE*	*Q89*	*288*
APHRODITE CLEANER	*1019 MANHATTAN AVE*	*1/8 - 1/4 ESE*	*R92*	*295*
MTA NYCT GREEN STREET SUBSTATI	*GREEN ST & MANHATTAN AV*	*1/8 - 1/4 ESE*	*R94*	*314*

Lower Elevation	Address	Dist / Dir	Map ID	Page
LIQUI MARK CORP-71 GREEN ST	*71 GREEN ST*	*1/8 - 1/4 S*	*57*	*218*
GREENPOINT MFG	*1155 MANHATTAN AVENUE*	*1/8 - 1/4 NE*	*T102*	*346*
HUXLEY ENVELOPE CORP	*145 WEST ST*	*1/8 - 1/4 SSW*	*U110*	*387*

STATE AND LOCAL RECORDS

DEL SHWS: A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

A review of the DEL SHWS list, as provided by EDR, and dated 02/05/2008 has revealed that there are 2 DEL SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MOBIL OIL BROOKLYN TERMINAL	300 NORTH HENRY STREET	1/2 - 1 ESE	249	823

Lower Elevation	Address	Dist / Dir	Map ID	Page
FORMER MANHATTAN ADHESIVES PLA	425-459 GREENPOINT AVEN	1/2 - 1 ESE	250	825

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the SWF/LF list, as provided by EDR, and dated 01/03/2008 has revealed that there are 6 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MICHAEL FERONE (BRICK) CO.	247 GREENE ST	1/4 - 1/2 ESE	AG164	545

Lower Elevation	Address	Dist / Dir	Map ID	Page
MANHATTAN AVE. RECYCLING CORP.	1166 MANHATTAN AVE.	1/8 - 1/4 NE	T111	412
NEW YORK RECYCLERS; INC.(MANHA	1166-68 MANHATTAN AVENU	1/8 - 1/4 NE	T113	415
ECONOMY CONTAINER SERVICE	23 ASH ST	1/4 - 1/2 NE	128	454
CONCRETE RECYCLING (NEWSPOINT)	55-02 2ND STREET	1/4 - 1/2 N	Y132	460
PRONTO DEMOLITION CORP.	73 PROVOST ST	1/4 - 1/2 ESE	234	761

EXECUTIVE SUMMARY

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the SWRCY list, as provided by EDR, and dated 01/03/2008 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
POLYSTYRENE RECYCLING; INC.	220 DUPONT STREET	1/4 - 1/2 E	169	554

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 02/05/2008 has revealed that there are 21 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
65 COMMERCIAL ST/BKLYN Date Closed: 01/30/04	***65 COMMERCIAL STREET***	***1/8 - 1/4 NE***	***F52***	***200***
BULOVA CORPORATION Date Closed: 04/09/03	77 COMMERCIAL STREET	1/8 - 1/4 NE	J61	231
132-140 GREEN STREET Date Closed: 04/11/03	***132-140 GREEN STREET***	***1/8 - 1/4 SE***	***69***	***245***
FORMER WASTE TRANSFER STATION Date Closed: 01/27/05	247-251 GREEN ST	1/4 - 1/2 ESE	AG166	548
203 JAVA ST. Date Closed: 06/10/93	***203 JAVA ST***	***1/4 - 1/2 SE***	***188***	***613***
140 GREENPOINT AVE Date Closed: 10/28/03	***140 GREENPOINT AVE***	***1/4 - 1/2 SSE***	***193***	***625***
111 MILTON STREET Date Closed: 01/27/94	***111 MILTON STREET***	***1/4 - 1/2 SSE***	***AQ202***	***643***

Lower Elevation	Address	Dist / Dir	Map ID	Page
145 WEST STREET Date Closed: 12/02/94 Date Closed: 12/02/94	***145 WEST STREET***	***1/8 - 1/4 SSW***	***U109***	***382***
Not reported Date Closed: 06/13/03	***64 BOX ST***	***1/4 - 1/2 ENE***	***119***	***428***
29 ASH ST/BKLYN/UNIVERSAL Date Closed: 07/18/03 Date Closed: 04/03/03	***29 ASH ST***	***1/4 - 1/2 NE***	***AB143***	***478***
5-35 54TH STREET Date Closed: 04/22/94	***5-35 54TH STREET***	***1/4 - 1/2 NNE***	***AD152***	***496***
ANOROC REALTY, LLC Date Closed: 08/27/97	***5-35 54TH AVENUE***	***1/4 - 1/2 NNE***	***AD155***	***505***
MOTIVA ENTERPRISES LLC Date Closed: 07/30/87 Date Closed: / /	***25 PAIDGE AVENUE***	***1/4 - 1/2 ENE***	***AK182***	***585***
52-00 2ND ST/QU'NS/NORVAL Date Closed: 12/29/05	***52000 2ND ST***	***1/4 - 1/2 N***	***AM191***	***620***

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
SHELL OIL CO Date Closed: 10/28/03	***25 PAIDGE AV-WELS 15,16***	***1/4 - 1/2 ENE***	***195***	***629***
LONG ISLAND CITY YARD Date Closed: 07/08/03	***BORDEN AV / 2ND ST***	***1/4 - 1/2 N***	***AU217***	***675***
50-3519 2ND ST Date Closed: 11/04/95	***50-3519 2ND ST.***	***1/4 - 1/2 N***	***AU223***	***691***
EXXON COMPANY, U.S.A. Date Closed: 12/27/02 Date Closed: 12/23/02 **Additional key fields are available in the Map Findings section*	***320 FREEMAN STREET***	***1/4 - 1/2 E***	***AY229***	***736***
NYC NEWTON CREEK WPCP Date Closed: 07/31/97	***320 FREEMAN ST***	***1/4 - 1/2 E***	***AY230***	***751***
320 FREEMAN ST/EXXON TERM Date Closed: 10/16/97	***320 FREEMAN ST***	***1/4 - 1/2 E***	***AY233***	***759***
5-50 51ST AVE Date Closed: 12/21/95	***5-50 51ST AVE***	***1/4 - 1/2 NNE***	***BA240***	***772***

HIST LTANKS: A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 15 HIST LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
65 COMMERCIAL ST/BKLYN	***65 COMMERCIAL STREET***	***1/8 - 1/4 NE***	***F52***	***200***
132-140 GREEN STREET	***132-140 GREEN STREET***	***1/8 - 1/4 SE***	***69***	***245***
203 JAVA ST.	***203 JAVA ST***	***1/4 - 1/2 SE***	***188***	***613***
111 MILTON STREET	***111 MILTON STREET***	***1/4 - 1/2 SSE***	***AQ202***	***643***

Lower Elevation	Address	Dist / Dir	Map ID	Page
145 WEST STREET	***145 WEST STREET***	***1/8 - 1/4 SSW***	***U109***	***382***
Not reported	***64 BOX ST***	***1/4 - 1/2 ENE***	***119***	***428***
29 ASH ST/BKLYN/UNIVERSAL	***29 ASH ST***	***1/4 - 1/2 NE***	***AB143***	***478***
5-35 54TH STREET	***5-35 54TH STREET***	***1/4 - 1/2 NNE***	***AD152***	***496***
ANOROC REALTY, LLC	***5-35 54TH AVENUE***	***1/4 - 1/2 NNE***	***AD155***	***505***
MOTIVA ENTERPRISES LLC	***25 PAIDGE AVENUE***	***1/4 - 1/2 ENE***	***AK182***	***585***
52-00 2ND ST/QU'NS/NORVAL	***52000 2ND ST***	***1/4 - 1/2 N***	***AM191***	***620***
LONG ISLAND CITY YARD	***BORDEN AV / 2ND ST***	***1/4 - 1/2 N***	***AU217***	***675***
50-3519 2ND ST	***50-3519 2ND ST.***	***1/4 - 1/2 N***	***AU223***	***691***
EXXON COMPANY, U.S.A.	***320 FREEMAN STREET***	***1/4 - 1/2 E***	***AY229***	***736***
5-50 51ST AVE	***5-50 51ST AVE***	***1/4 - 1/2 NNE***	***BA240***	***772***

EXECUTIVE SUMMARY

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 12/06/2007 has revealed that there are 12 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NUHART & CO., INC.	49-55 DUPONT STREET	0 - 1/8 ENE	A8	35
CROSSTOWN BUS DEPOT	***65 COMMERCIAL ST***	***1/8 - 1/4 NE***	***F50***	***146***
STS CYRIL & METHODIOS RC SCH	96 DUPONT ST	1/8 - 1/4 E	H53	203
BULOVA CLOCK DIVISION	77 COMMERCIAL STREET	1/8 - 1/4 NE	J59	227
GREENPOINT HOTEL	***1109 MANHATTAN AVENUE***	***1/8 - 1/4 ENE***	***N76***	***262***
M. HILLER & SON INC.	1133 MANHATTAN AVENUE	1/8 - 1/4 NE	Q85	280

Lower Elevation	Address	Dist / Dir	Map ID	Page
EAGLE STREEET ASSOC.	***48 EAGLE STREET***	***0 - 1/8 SSW***	***G45***	***134***
OSCAR'S SERVICE STATION INC	***193 FRANKLIN ST***	***1/8 - 1/4 S***	***I56***	***208***
GREENPOINT MANUFACTURING & DES	1155-1205 MANHATTAN AVE	1/8 - 1/4 NE	T104	372
1160 MANHATTAN AVE	1160 MANHATTAN AVENUE	1/8 - 1/4 NE	T107	378
HUXLEY ENVELOPE CORP	***145 WEST ST***	***1/8 - 1/4 SSW***	***U110***	***387***
DEVEN LITHOGRAPHERS, INC.	***15 HURON STREET***	***1/8 - 1/4 SW***	***115***	***418***

MOSF UST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the MOSF UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 MOSF UST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
MOTIVA ENTERPRISES, LLC	***25 PAIDGE AVENUE***	***1/4 - 1/2 ENE***	***AK180***	***575***
EXXON COMPANY USA	***320 FREEMAN STREET***	***1/4 - 1/2 E***	***AY228***	***705***

HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 9 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CROSSTOWN BUS DEPOT	***65 COMMERCIAL ST***	***1/8 - 1/4 NE***	***F50***	***146***
STS CYRIL & METHODIOS RC SCH	96 DUPONT ST	1/8 - 1/4 E	H54	204
FORMER UNITED FEATHER & DOWN I	77 COMMERCIAL STREET	1/8 - 1/4 NE	J63	235
GREENPOINT HOTEL	***1109 MANHATTAN AVENUE***	***1/8 - 1/4 ENE***	***N76***	***262***

Lower Elevation	Address	Dist / Dir	Map ID	Page
EAGLE STREEET ASSOC.	***48 EAGLE STREET***	***0 - 1/8 SSW***	***G45***	***134***
OSCAR'S SERVICE STATION INC	***193 FRANKLIN ST***	***1/8 - 1/4 S***	***I56***	***208***

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
GREENPOINT MANUFACTURING & DES	***1155-1205 MANHATTAN AVE***	***1/8 - 1/4 NE***	***T106***	***374***
HUXLEY ENVELOPE CORP	***145 WEST ST***	***1/8 - 1/4 SSW***	***U110***	***387***
DEVEN LITHOGRAPHERS, INC.	***15 HURON STREET***	***1/8 - 1/4 SW***	***115***	***418***

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, and dated 12/06/2007 has revealed that there are 10 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
223 FRANKLIN ST	***223 FRANKLIN ST***	***0 - 1/8 SSE***	***B12***	***51***
CROSSTOWN BUS DEPOT	***65 COMMERCIAL ST***	***1/8 - 1/4 NE***	***F50***	***146***
BULOVA CLOCK DIVISION	77 COMMERCIAL STREET	1/8 - 1/4 NE	J64	237
DUPONT ASSOC	***127 DUPONT ST***	***1/8 - 1/4 E***	***80***	***270***
129 HURON ST	***129 HURON ST***	***1/8 - 1/4 SE***	***90***	***291***
M & W INC.	81 CLAY ST	1/8 - 1/4 ENE	91	293
74 INDIA	***74 INDIA ST***	***1/8 - 1/4 SSE***	***S96***	***326***

Lower Elevation	Address	Dist / Dir	Map ID	Page
M C N DESIGN LLC	61-65 GREEN STREET	1/8 - 1/4 SSW	K66	240
GREENPOINT MANUFACTURING & DES	***1155-1205 MANHATTAN AVE***	***1/8 - 1/4 NE***	***T106***	***374***
HUXLEY ENVELOPE CORP	***145 WEST ST***	***1/8 - 1/4 SSW***	***U110***	***387***

MOSF AST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the MOSF AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 3 MOSF AST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
MOTIVA ENTERPRISES, LLC	***25 PAIDGE AVENUE***	***1/4 - 1/2 ENE***	***AK180***	***575***
DITMAS OIL-LONG ISLAND CITY	53-02 11TH ST.	1/4 - 1/2 NE	AW224	693
EXXON COMPANY USA	***320 FREEMAN STREET***	***1/4 - 1/2 E***	***AY228***	***705***

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the MANIFEST list, as provided by EDR, and dated 02/15/2008 has revealed that there are 15 MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NUHART CO	49 DUPONT ST	0 - 1/8 ENE	A4	13
DYNAMIT NOBEL-HARTE, INC	***49 DUPONT STREET***	***0 - 1/8 ENE***	***A6***	***14***
CON ED - V 3283	***55 DUPONT ST***	***0 - 1/8 ENE***	***A10***	***45***
PAT & DOMS BODY & FENDER REPAI	***246 FRANKLIN ST***	***0 - 1/8 SSE***	***29***	***87***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
INTERFLO TECHNOLOGIES	*19 CLAY STREET*	*0 - 1/8 NE*	*33*	*95*
NYCT-CROSSTOWN ANNEX	*65 COMMERCIAL STREET*	*1/8 - 1/4 NE*	*F51*	*157*
VINYL BINDED PRODUCTS CORP	*99 GREENS ST*	*1/8 - 1/4 SSE*	*I55*	*206*
KELLY CLEANERS	*1036 MANHATTAN AVE*	*1/8 - 1/4 ESE*	*P87*	*284*
CON EDISON	*MANHATTAN AVE & BOX ST*	*1/8 - 1/4 NE*	*Q89*	*288*
APHRODITE CLEANER	*1019 MANHATTAN AVE*	*1/8 - 1/4 ESE*	*R92*	*295*
MTA NYCT GREEN STREET SUBSTATI	*GREEN ST & MANHATTAN AV*	*1/8 - 1/4 ESE*	*R94*	*314*

Lower Elevation	Address	Dist / Dir	Map ID	Page
LIQUI MARK CORP-71 GREEN ST	*71 GREEN ST*	*1/8 - 1/4 S*	*57*	*218*
GREENPOINT MFG	*1155 MANHATTAN AVENUE*	*1/8 - 1/4 NE*	*T102*	*346*
S & G WOODWORKING INC	*1155 MANHATTAN AVE - MA*	*1/8 - 1/4 NE*	*T103*	*370*
HUXLEY ENVELOPE CORP	*145 WEST ST*	*1/8 - 1/4 SSW*	*U110*	*387*

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 02/05/2008 has revealed that there are 152 NY Spills sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MANHOLE #64829 Date Closed: 06/03/04	*FRANKLIN AV / DUPONT*	*0 - 1/8 NE*	*A1*	*6*
MANHOLE 64829 Date Closed: 01/30/04	*FRANKLIN / DUPONT ST*	*0 - 1/8 NE*	*A2*	*8*
MANHOLE 64829 Date Closed: 02/05/04	*FRANKLIN AVE/DUPONT AVE*	*0 - 1/8 NE*	*A3*	*10*
262 FRANKLIN ST/BKLYN Date Closed: 03/14/91	*262 FRANKLIN STREET*	*0 - 1/8 SSE*	*B9*	*43*
Not reported Date Closed: 06/19/02	EAGLE ST/WEST ST	0 - 1/8 SE	B11	50
RESIDENCE Date Closed: 02/14/03	*87 EAGLE STREET*	*0 - 1/8 ESE*	*16*	*62*
VAULT 852 Date Closed: 10/17/01	*10-20 CLAY ST*	*0 - 1/8 ENE*	*C18*	*66*
VS 1106 Date Closed: 10/23/01	*2-20 CLAY ST*	*0 - 1/8 ENE*	*C21*	*72*
V# 1109 & V# 852 Date Closed: 12/21/01	*20 CLAY ST*	*0 - 1/8 ENE*	*C24*	*78*
VAULT #VS2364,1109,852 Date Closed: 11/07/02	10 CLAY ST	0 - 1/8 NNE	D26	82
STEVEN SUPPLY CO Date Closed: 04/29/96	*15 CLAY ST*	*0 - 1/8 NE*	*D30*	*89*
15 CLAY ST Date Closed: 02/15/96	*15 CLAY ST*	*0 - 1/8 NE*	*D32*	*93*
MANHOLE 4284 Date Closed: 06/13/02	*COMMERCIAL / BOX STRE*	*0 - 1/8 NE*	*F39*	*119*

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
77 COMMERCIAL STREET Date Closed: 07/02/99	***77 COMMERCIAL ST***	***1/8 - 1/4 NE***	***J60***	***229***
MANHOLE 4284 Date Closed: 05/11/99	***COMMERCIAL ST / BOX ST***	***1/8 - 1/4 NE***	***J62***	***233***
COMMERCIAL ST/BOX&CLAY ST Date Closed: 11/06/01	***COMMERCIAL ST / BOX ST***	***1/8 - 1/4 NE***	***J65***	***238***
Not reported Date Closed: 04/23/03	***1079 MANHATTEN AVE***	***1/8 - 1/4 E***	***M70***	***248***
1071 MANHATTAN AVENUE Date Closed: 04/23/03	***1071 MANHATTAN AVENUE***	***1/8 - 1/4 E***	***M71***	***250***
MANHOLE #4276 Date Closed: 10/18/02	***HURON ST / FRANKLIN ST***	***1/8 - 1/4 S***	***L72***	***252***
MANHOLE 7489 Date Closed: 05/18/00	***HURRON ST/FRANKLIN AVE***	***1/8 - 1/4 S***	***L73***	***255***
Not reported Date Closed: 02/11/04	FRANKILIN ST / HURON	1/8 - 1/4 S	L74	257
EAGLE ST & MANHATTAN AVE. Date Closed: 04/23/03	***EAGLE ST / MANHATTAN AV***	***1/8 - 1/4 E***	***75***	***258***
1109 MANHATTAN AVE Date Closed: 11/22/96	***1109 MANHATTAN AVE***	***1/8 - 1/4 ENE***	***N77***	***265***
FRANKLIN / HURON STREETS Date Closed: 04/18/97	***FRANKLIN / HURON STREET***	***1/8 - 1/4 SSE***	***78***	***267***
CON ED - IN FRONT OF Date Closed: 03/24/06	204 FRANKLIN ST	1/8 - 1/4 S	81	273
VAULT #V4191 Date Closed: 03/04/02	***FREEMAN/MANHATTAN***	***1/8 - 1/4 ESE***	***P84***	***278***
MANHOLE 4285 Date Closed: 05/11/99	***MANHATTEN AV / COMERC***	***1/8 - 1/4 NE***	***86***	***281***
MANHOLE #4294 Date Closed: 12/14/01	***MANHATEEN AV / BOX ST***	***1/8 - 1/4 NE***	***Q88***	***286***
182 FREEMAN ST/BKLYN Date Closed: 06/07/95	***182 FREEMAN STREET***	***1/8 - 1/4 ESE***	***95***	***324***
LOT 1,TAXBLOCK 2532 Date Closed: 09/24/07	***200 FRANKLIN STREET***	***1/8 - 1/4 S***	***S97***	***329***
TRANSFORMER MANHOLE Date Closed: 05/18/00	***MANHATTAN AVE / COMMER***	***1/8 - 1/4 NE***	***T98***	***337***
MANHATTAN AVE & ASH ST Date Closed: 08/23/95	***MANHATTAN AVE / ASH S***	***1/8 - 1/4 NE***	***T99***	***340***
MH 4285 Date Closed: 06/13/02	***MANHATTAN AVE/COMMERCIA***	***1/8 - 1/4 NE***	***T100***	***342***
166 EAGLE ST Date Closed: 05/25/95	***166 EAGLE ST***	***1/8 - 1/4 E***	***101***	***344***
TM #647 Date Closed: 03/04/02	***HURON ST/MANHATTEN AVE***	***1/4 - 1/2 SE***	***V120***	***430***
TM 0647 Date Closed: 02/26/02	***HERON STREET/MANHATTAN***	***1/4 - 1/2 SE***	***V121***	***433***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
UNKNOWN CUSTOMER Date Closed: 11/28/05	115 1/2 INDIA STREET	1/4 - 1/2 SE	127	452
SB 8622 Date Closed: 10/18/99	***111 JAVA ST***	***1/4 - 1/2 SSE***	***X129***	***454***
118 JAVA STREET Date Closed: 06/29/93	***118 JAVE STREET***	***1/4 - 1/2 SSE***	***X130***	***457***
BEHIND LOCATION Date Closed: 05/31/06	129 JAVA ST	1/4 - 1/2 SSE	131	459
MANHOLE 4286 Date Closed: 01/11/06	MANHATTAN AVE / JAVA	1/4 - 1/2 SE	AC145	485
MANHOLE 61605 Date Closed: 03/10/05	***MANHATTAN AVE/JAVA ST***	***1/4 - 1/2 SE***	***AC146***	***486***
WITKOSKI RESIDENCE Date Closed: 03/16/05	108 KENT STREET	1/4 - 1/2 SSE	149	491
HALF PINT OIL IN MAN HOLE 7147 Date Closed: 08/20/07	GREEN STREET / MCGUINNE	1/4 - 1/2 ESE	151	495
PULASKI SVCE STATION Date Closed: / /	***321 MCGUINESS BOULEVARD***	***1/4 - 1/2 ESE***	***AF162***	***534***
Not reported Date Closed: 12/28/00	***MCGUINESS / HURON AV***	***1/4 - 1/2 ESE***	***AH165***	***545***
315 MCGUINESS BLVD Date Closed: 08/19/92	***315 MCGUINESS BLVD***	***1/4 - 1/2 ESE***	***AF170***	***554***
CON ED MANHOLE 4313 Date Closed: 05/26/95	***MC GUINNESS / HURON S***	***1/4 - 1/2 ESE***	***174***	***562***
169 KENT ST Date Closed: 09/19/07	169 KENT ST	1/4 - 1/2 SE	175	564
WAREHOUSE FIRE Date Closed: 05/18/06	GREENPOINT / WEST STR	1/4 - 1/2 S	176	566
116 GREENPOINT AVE Date Closed: 07/30/99	***116 GREENPOINT AVE***	***1/4 - 1/2 SSE***	***178***	***569***
VACANT AREA/FORMER GETTY Date Closed: / /	305-319 MCGUINNESS BLVD	1/4 - 1/2 ESE	AH179	571
MANHOLE 713204 Date Closed: 01/03/05	MCGUINESS BLVD/ INDIA S	1/4 - 1/2 ESE	AL183	604
MANHOLE 71304 Date Closed: 03/24/04	***MCGUINNESS BL/INDIA ST***	***1/4 - 1/2 ESE***	***AL184***	***605***
MANHOLE #71304 Date Closed: / /	MCGUINNESS BLVD/INDIA S	1/4 - 1/2 ESE	AL185	608
AUTO BODY SHOP Date Closed: / /	***300 MCGUINNES BLVD***	***1/4 - 1/2 ESE***	***AL186***	***609***
RZ METAL CORP Date Closed: 12/29/05	***247 HURON ST***	***1/4 - 1/2 ESE***	***AN194***	***627***
APRT Date Closed: 01/31/08	249 HURON STREET	1/4 - 1/2 ESE	AN196	632
217 INDIA STREET Date Closed: 11/14/00	***217 INDIA STREET***	***1/4 - 1/2 ESE***	***AO197***	***633***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported Date Closed: 10/17/01	***MANHATTAN AV / GREENP***	***1/4 - 1/2 SSE***	***198***	***635***
TWO GAL GREEN SUBSTANCE IN SB Date Closed: / /	222 INDIA STREET	1/4 - 1/2 ESE	AO199	637
262 HURON ST Date Closed: 07/21/98	***262 HURON ST***	***1/4 - 1/2 ESE***	***AN200***	***638***
Not reported Date Closed: 12/28/00	***111 MILTON ST***	***1/4 - 1/2 SSE***	***AQ203***	***645***
Not reported Date Closed: 02/12/03	***137 MILTON ST***	***1/4 - 1/2 SSE***	***205***	***650***
VAULT #7162 Date Closed: 06/20/05	GREENPOINT AVE/ LEONARD	1/4 - 1/2 SE	AR206	652
155 GREENPOINT AVENUE Date Closed: 02/18/03	***155 GREENPOINT AVENUE***	***1/4 - 1/2 SE***	***AR207***	***653***
214 KENT STREET Date Closed: 04/17/97	***214 KENT STREET***	***1/4 - 1/2 SE***	***AT212***	***664***
Not reported Date Closed: 06/20/00	***266 MCGUINNESS BLVD***	***1/4 - 1/2 SE***	***AT215***	***670***
SHELL GAS STATION Date Closed: 11/29/97	***KENT ST/MCGINESS BLVD***	***1/4 - 1/2 SE***	***AT219***	***681***
FRANKLIN & NOBLE ST Date Closed: 12/31/91	***FRANKLIN / NOBLE ST***	***1/4 - 1/2 S***	***AX225***	***697***
79 FRANKLIN ST Date Closed: 10/16/97	***79 FRANKLIN ST***	***1/4 - 1/2 S***	***AX226***	***700***
FORMER SHELL STATION Date Closed: / /	***256 MCGUINNESS BLVD***	***1/4 - 1/2 SE***	***231***	***754***
860 MANHATTAN AVE/BKLYN Date Closed: 12/03/90	***860 MANHATTAN AVENUE***	***1/4 - 1/2 SSE***	***235***	***762***
AMERADA HESS Date Closed: 11/03/03	***210 GREENPOINT AVE***	***1/4 - 1/2 SE***	***AZ236***	***764***
MERIT GAS STATION Date Closed: 11/03/03	***210 GREENPOINT AVE***	***1/4 - 1/2 SE***	***AZ237***	***766***
210 GREEN PT AVE. Date Closed: 04/20/07	***210 GREEN PT AVE.***	***1/4 - 1/2 SE***	***AZ238***	***768***
HESS#32516 Date Closed: 08/14/06	210 GREENPOINT AVENUE	1/4 - 1/2 SE	AZ239	771

Lower Elevation	Address	Dist / Dir	Map ID	Page
DUPONT ST/COMMERCIAL ST Date Closed: 12/31/97	***DUPONT ST / COMMERCIAL***	***0 - 1/8 W***	***17***	***64***
TM2815 Date Closed: 09/24/01	***55 FREEMAN ST***	***0 - 1/8 SSW***	***G43***	***129***
TM # 2792 Date Closed: 09/24/01	***55 FREEMAN ST***	***0 - 1/8 SSW***	***G44***	***131***
TM 2792 Date Closed: 09/24/01	***55 FREEMAN ST***	***0 - 1/8 SSW***	***G46***	***139***

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Lower Elevation	Address	Dist / Dir	Map ID	Page
TRANSFORMER VAULT TM0659 Date Closed: 10/26/04	FREEMAN ST/WEST ST	0 - 1/8 SW	G47	141
MANHOLE 4273 Date Closed: 01/17/02	***FREEMAN ST / WEST ST***	***0 - 1/8 SW***	***G49***	***144***
LUMBER EXCHANGE TERMINAL Date Closed: 12/06/05	***171 WEST ST***	***1/8 - 1/4 SSW***	***K68***	***243***
VAULT #VS3484 Date Closed: 12/22/03 Date Closed: 09/14/04	WEST ST / HURON ST	1/8 - 1/4 SSW	O82	274
TOWARDS RIVER Date Closed: 03/10/06	HURON ST/ WEST ST	1/8 - 1/4 SSW	O83	277
OLD GAS STATION Date Closed: 09/24/03	1160 MANHATTAN AVE	1/8 - 1/4 NE	T105	373
MANHATTAN AVE & ASH ST Date Closed: 02/13/06	MANHATTAN AVE / ASH S	1/8 - 1/4 NE	T108	380
1166 MANHATTAN AVE Date Closed: 08/14/86	***1166 MANHATTAN AVE***	***1/8 - 1/4 NE***	***T112***	***412***
COMMERCIAL SITE Date Closed: / /	32-42 INDIA ST	1/8 - 1/4 S	U114	415
VALUT 7059 Date Closed: 06/05/01	***INDIA ST/WEST ST***	***1/4 - 1/2 SSW***	***U116***	***420***
VAULT 5337 Date Closed: 06/05/01	***INDIA ST/ WEST ST***	***1/4 - 1/2 SSW***	***U117***	***423***
46 5TH ST/SABOROSO CO Date Closed: 08/07/92	***46 5TH ST***	***1/4 - 1/2 NNE***	***118***	***425***
NEW TOWN CREEK Date Closed: 04/17/03	***1205 MANHATTAN AVE***	***1/4 - 1/2 NE***	***W122***	***435***
1205 MANHATTAN AVE/BKLYN Date Closed: 01/16/90	***1205 MANHATTAN AVENUE***	***1/4 - 1/2 NE***	***W123***	***437***
1205 MANHATTAN AVE Date Closed: 10/17/92 Date Closed: 08/25/96	***1205 MANHATTAN AVE.***	***1/4 - 1/2 NE***	***W124***	***439***
1205 MANHATTAN AVE Date Closed: 11/30/01 Date Closed: 12/09/93	***1205 MANHATTAN AVE***	***1/4 - 1/2 NE***	***W125***	***444***
1155-1205 MANHATTAN AVE Date Closed: 05/29/93 Date Closed: 11/19/98	***1155-1205 MANAHATTAN AV***	***1/4 - 1/2 NE***	***W126***	***448***
ANHEUSER-BUSH Date Closed: 06/07/99	***5501 2ND ST***	***1/4 - 1/2 N***	***Y133***	***461***
QUEENS WEST Date Closed: / /	55-02 2ND STREET	1/4 - 1/2 N	Y134	463
MCGUINESS BLVD/CLAY ST Date Closed: 11/22/96	***MCGUINESS BLVD/CLAY ST***	***1/4 - 1/2 ENE***	***Z135***	***464***
COMMERCIAL PROPERTY Date Closed: 04/24/06	10 JAVA ST	1/4 - 1/2 SSW	136	466
MANHOLE 4297 Date Closed: 03/27/02	***BOX ST / PAIDGE AVE***	***1/4 - 1/2 ENE***	***AA137***	***467***

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
OVERSEAS ASSOC Date Closed: 09/04/97	***400 MCGUINESS BLVD***	***1/4 - 1/2 ENE***	***Z138***	***470***
Not reported Date Closed: 02/19/03	***CLAY ST / MCGUINNES B***	***1/4 - 1/2 ENE***	***Z139***	***472***
MANHOLE 34297 Date Closed: 10/23/06	MCGINNIS BLVD/PAIDGE AV	1/4 - 1/2 ENE	AA140	474
MANHOLE 4297 Date Closed: 12/24/04	MCGINNIS BV / PAIDGE AV	1/4 - 1/2 ENE	AA141	476
STAR CANDLE CO. Date Closed: 12/22/05	29-35 ASH ST	1/4 - 1/2 NE	AB142	477
TM #2907 Date Closed: 09/20/07	FREEMAN STREET / MCGI	1/4 - 1/2 E	144	483
MANHOLE #4298 Date Closed: 12/27/04	PAIDGE AVE/ MCGUINESS B	1/4 - 1/2 ENE	AA147	488
MANHOLE # 4298 Date Closed: 12/28/04	PAIDGE AVE/MCGINNIS BLV	1/4 - 1/2 ENE	AA148	490
MCGUINESS & BOX ST Date Closed: 12/17/04	***MCGUINESS / BOX ST***	***1/4 - 1/2 ENE***	***Z150***	***492***
5-35 54TH AVENUE Date Closed: 01/19/95 Date Closed: 02/14/95	***5-35 54TH AVENUE***	***1/4 - 1/2 NNE***	***AD153***	***499***
FINK BAKERY Date Closed: 02/26/96	***535 54TH AVE***	***1/4 - 1/2 NNE***	***AD154***	***503***
Not reported Date Closed: 03/04/03	***535 54TH AVE***	***1/4 - 1/2 NNE***	***AD156***	***526***
11TH ST CONDUIT Date Closed: 09/05/06	MCGUINESS BLVD/ASH ST	1/4 - 1/2 ENE	AE157	528
CHEM RELEASE Date Closed: 12/21/06	MCGUINNESS BLVD / ASH	1/4 - 1/2 ENE	AE158	529
VAULT 1487,1429,1535,1514 Date Closed: 08/26/02	ASH ST/MCGUINESS BLVD	1/4 - 1/2 ENE	AE159	531
5 GAL COOLANT FROM CONED VEHIC Date Closed: 12/21/06	ASH STREET / MCGUINNE	1/4 - 1/2 ENE	AE160	532
11TH ST CONDUIT Date Closed: 01/10/08	***460-456 MCGUINESS BLVD***	***1/4 - 1/2 ENE***	***AE163***	***543***
MANHOLE 19726 Date Closed: 04/20/04	***54TH AVE / 2ND ST***	***1/4 - 1/2 N***	***AI167***	***549***
MANHOLE 19726 Date Closed: 02/06/04	***54TH AV / 2ND ST***	***1/4 - 1/2 N***	***AI168***	***551***
Not reported Date Closed: 08/02/02	242 EAGLE ST	1/4 - 1/2 E	171	556
54-08 VERNON BLVD/QUEENS Date Closed: / /	***54-08 VERNON BLVD***	***1/4 - 1/2 NNE***	***AJ172***	***558***
54TH AVA & VERNON BLVD Date Closed: 03/27/97	***54TH AVE / VERNON BLV***	***1/4 - 1/2 NNE***	***AJ173***	***560***
24 PAIGE AVENUE Date Closed: 01/12/95	***24 PAIGE AVENUE***	***1/4 - 1/2 ENE***	***AK177***	***567***

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Lower Elevation	Address	Dist / Dir	Map ID	Page
PULASKI BRIDGE Date Closed: 06/15/05	25 PAIDGE AVENUE	1/4 - 1/2 ENE	AK181	583
MOTIVA ENTERPRISES LLC Date Closed: 10/28/03 Date Closed: 01/26/98	***25 PAIDGE AVENUE***	***1/4 - 1/2 ENE***	***AK182***	***585***
MANHOLE#MH4299 Date Closed: 06/22/05	PAIDGE AVE / CLAY STR	1/4 - 1/2 ENE	AK187	611
QUEENS WEST TENNISPORT Date Closed: 07/06/06	51-24 2ND STREET	1/4 - 1/2 N	AM189	615
1 POLICE PLAZA/MANHATTAN Date Closed: 11/12/97	***1 POLICE PLAZA***	***1/4 - 1/2 NE***	***190***	***617***
Not reported Date Closed: 08/16/01	***53RD AVE/VERNON BLVD***	***1/4 - 1/2 NNE***	***AJ192***	***622***
266 FREEMAN ST/BROOKLYN Date Closed: 12/08/92	***266 FREEMAN STREET***	***1/4 - 1/2 E***	***AP201***	***641***
EAGLE & PROVOST STS/BKLYN Date Closed: 05/03/90	***EAGLE / PROVOST STS***	***1/4 - 1/2 E***	***AP204***	***648***
LONG ISLAND CITY YARD Date Closed: 11/17/98	***5-02 BORDEN AVENUE***	***1/4 - 1/2 NNE***	***AS208***	***656***
LONG ISLAND CITY YARD Date Closed: 07/08/03	***5-02 BORDEN AV***	***1/4 - 1/2 NNE***	***AS209***	***658***
LONG ISLAND CITY PASS YAR Date Closed: 07/08/03	***5-01 BORDEN AV***	***1/4 - 1/2 NNE***	***AS210***	***660***
CONTRACTOR Date Closed: 04/18/07	PROVOST STREET / EAGLE	1/4 - 1/2 E	211	663
LIRR Date Closed: 06/08/05	BORDEN AVE / VERNON B	1/4 - 1/2 NNE	213	666
207 BORDEN AVENUE Date Closed: 07/08/03	***207 BORDEN AVENUE***	***1/4 - 1/2 N***	***AU214***	***668***
MH #19726 Date Closed: 11/04/03	***2ND ST / BORDEN AVE***	***1/4 - 1/2 N***	***AU216***	***672***
METALS FACTORY Date Closed: 05/03/06	261 BORDEN AVE	1/4 - 1/2 N	218	678
N E C / B N S Date Closed: 10/31/03	***10-26 53RD AVE***	***1/4 - 1/2 NE***	***AV220***	***684***
10-26 53RD AVENUE Date Closed: 10/16/97	***10-26 53RD AVENUE***	***1/4 - 1/2 NE***	***AV221***	***686***
GREEN ST & PROVOST/BKLYN Date Closed: 02/25/91	***GREEN ST / PROVOST***	***1/4 - 1/2 E***	***222***	***689***
53 KENT AVE / N 11TH ST Date Closed: 06/09/06	***53 KENT AVE / N 11TH ST***	***1/4 - 1/2 NE***	***AW227***	***702***
EXXON COMPANY, U.S.A. Date Closed: 10/20/89 Date Closed: 12/19/89 **Additional key fields are available in the Map Findings section*	***320 FREEMAN STREET***	***1/4 - 1/2 E***	***AY229***	***736***
EXXON CORP/320 FREEMAN AV Date Closed: 03/30/88	***320 FREEMAN AVENUE***	***1/4 - 1/2 E***	***AY232***	***756***

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
5-50 51ST AVE Date Closed: 11/15/95	***5-50 51ST AVE***	***1/4 - 1/2 NNE***	***BA240***	***772***
SERVICE BOX 51208 Date Closed: 10/17/01	***448/450 51ST ST***	***1/4 - 1/2 N***	***241***	***777***
MANHOLE 2470 Date Closed: 02/10/03	NE 51ST AVE / 5TH ST	1/4 - 1/2 NNE	BA242	779
5TH ST & 51ST AVE Date Closed: / /	***5TH ST / 51ST AVE***	***1/4 - 1/2 NNE***	***BA243***	***780***

NY Hist Spills: This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there are 111 NY Hist Spills sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MANHOLE #64829	***FRANKLIN AV / DUPONT***	***0 - 1/8 NE***	***A1***	***6***
MANHOLE 64829	***FRANKLIN / DUPONT ST***	***0 - 1/8 NE***	***A2***	***8***
MANHOLE 64829	***FRANKLIN AVE/DUPONT AVE***	***0 - 1/8 NE***	***A3***	***10***
262 FRANKLIN ST/BKLYN	***262 FRANKLIN STREET***	***0 - 1/8 SSE***	***B9***	***43***
RESIDENCE	***87 EAGLE STREET***	***0 - 1/8 ESE***	***16***	***62***
VAULT 852	***10-20 CLAY ST***	***0 - 1/8 ENE***	***C18***	***66***
VS 1106	***2-20 CLAY ST***	***0 - 1/8 ENE***	***C21***	***72***
V# 1109 & V# 852	***20 CLAY ST***	***0 - 1/8 ENE***	***C24***	***78***
STEVEN SUPPLY CO	***15 CLAY ST***	***0 - 1/8 NE***	***D30***	***89***
15 CLAY ST	***15 CLAY ST***	***0 - 1/8 NE***	***D32***	***93***
MANHOLE 4284	***COMMERCIAL / BOX STRE***	***0 - 1/8 NE***	***F39***	***119***
77 COMMERCIAL STREET	***77 COMMERCIAL ST***	***1/8 - 1/4 NE***	***J60***	***229***
MANHOLE 4284	***COMMERCIAL ST / BOX ST***	***1/8 - 1/4 NE***	***J62***	***233***
COMMERCIAL ST/BOX&CLAY ST	***COMMERCIAL ST / BOX ST***	***1/8 - 1/4 NE***	***J65***	***238***
Not reported	***1079 MANHATTEN AVE***	***1/8 - 1/4 E***	***M70***	***248***
1071 MANHATTAN AVENUE	***1071 MANHATTAN AVENUE***	***1/8 - 1/4 E***	***M71***	***250***
MANHOLE #4276	***HURON ST / FRANKLIN ST***	***1/8 - 1/4 S***	***L72***	***252***
MANHOLE 7489	***HURRON ST/FRANKLIN AVE***	***1/8 - 1/4 S***	***L73***	***255***
EAGLE ST & MANHATTAN AVE.	***EAGLE ST / MANHATTAN AV***	***1/8 - 1/4 E***	***75***	***258***
1109 MANHATTAN AVE	***1109 MANHATTAN AVE***	***1/8 - 1/4 ENE***	***N77***	***265***
FRANKLIN / HURON STREETS	***FRANKLIN / HURON STREET***	***1/8 - 1/4 SSE***	***78***	***267***
VAULT #V4191	***FREEMAN/MANHATTAN***	***1/8 - 1/4 ESE***	***P84***	***278***
MANHOLE 4285	***MANHATTEN AV / COMERC***	***1/8 - 1/4 NE***	***86***	***281***
MANHOLE #4294	***MANHATEEN AV / BOX ST***	***1/8 - 1/4 NE***	***Q88***	***286***
182 FREEMAN ST/BKLYN	***182 FREEMAN STREET***	***1/8 - 1/4 ESE***	***95***	***324***
TRANSFORMER MANHOLE	***MANHATTAN AVE / COMMER***	***1/8 - 1/4 NE***	***T98***	***337***
MANHATTAN AVE & ASH ST	***MANHATTAN AVE / ASH S***	***1/8 - 1/4 NE***	***T99***	***340***
MH 4285	***MANHATTAN AVE/COMMERCIA***	***1/8 - 1/4 NE***	***T100***	***342***
166 EAGLE ST	***166 EAGLE ST***	***1/8 - 1/4 E***	***101***	***344***
TM #647	***HURON ST/MANHATTEN AVE***	***1/4 - 1/2 SE***	***V120***	***430***
TM 0647	***HERON STREET/MANHATTAN***	***1/4 - 1/2 SE***	***V121***	***433***
SB 8622	***111 JAVA ST***	***1/4 - 1/2 SSE***	***X129***	***454***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
118 JAVA STREET	118 JAVE STREET	1/4 - 1/2 SSE	X130	457
MANHOLE 61605	MANHATTAN AVE/JAVA ST	1/4 - 1/2 SE	AC146	486
PULASKI SVCE STATION	321 MCGUINESS BOULEVARD	1/4 - 1/2 ESE	AF162	534
Not reported	MCGUINESS / HURON AV	1/4 - 1/2 ESE	AH165	545
315 MCGUINESS BLVD	315 MCGUINESS BLVD	1/4 - 1/2 ESE	AF170	554
CON ED MANHOLE 4313	MC GUINNESS / HURON S	1/4 - 1/2 ESE	174	562
116 GREENPOINT AVE	116 GREENPOINT AVE	1/4 - 1/2 SSE	178	569
MANHOLE 71304	MCGUINNESS BL/INDIA ST	1/4 - 1/2 ESE	AL184	605
AUTO BODY SHOP	300 MCGUINNES BLVD	1/4 - 1/2 ESE	AL186	609
140 GREENPOINT AVE	140 GREENPOINT AVE	1/4 - 1/2 SSE	193	625
RZ METAL CORP	247 HURON ST	1/4 - 1/2 ESE	AN194	627
217 INDIA STREET	217 INDIA STREET	1/4 - 1/2 ESE	AO197	633
Not reported	MANHATTAN AV / GREENP	1/4 - 1/2 SSE	198	635
262 HURON ST	262 HURON ST	1/4 - 1/2 ESE	AN200	638
Not reported	111 MILTON ST	1/4 - 1/2 SSE	AQ203	645
Not reported	137 MILTON ST	1/4 - 1/2 SSE	205	650
155 GREENPOINT AVENUE	155 GREENPOINT AVENUE	1/4 - 1/2 SE	AR207	653
214 KENT STREET	214 KENT STREET	1/4 - 1/2 SE	AT212	664
Not reported	266 MCGUINNESS BLVD	1/4 - 1/2 SE	AT215	670
SHELL GAS STATION	KENT ST/MCGINESS BLVD	1/4 - 1/2 SE	AT219	681
FRANKLIN & NOBLE ST	FRANKLIN / NOBLE ST	1/4 - 1/2 S	AX225	697
79 FRANKLIN ST	79 FRANKLIN ST	1/4 - 1/2 S	AX226	700
FORMER SHELL STATION	256 MCGUINNESS BLVD	1/4 - 1/2 SE	231	754
860 MANHATTAN AVE/BKLYN	860 MANHATTAN AVENUE	1/4 - 1/2 SSE	235	762
AMERADA HESS	210 GREENPOINT AVE	1/4 - 1/2 SE	AZ236	764
MERIT GAS STATION	210 GREENPOINT AVE	1/4 - 1/2 SE	AZ237	766
210 GREEN PT AVE.	210 GREEN PT AVE.	1/4 - 1/2 SE	AZ238	768

Lower Elevation	Address	Dist / Dir	Map ID	Page
DUPONT ST/COMMERCIAL ST	DUPONT ST / COMMERCIAL	0 - 1/8 W	17	64
TM2815	55 FREEMAN ST	0 - 1/8 SSW	G43	129
TM # 2792	55 FREEMAN ST	0 - 1/8 SSW	G44	131
TM 2792	55 FREEMAN ST	0 - 1/8 SSW	G46	139
MANHOLE 4273	FREEMAN ST / WEST ST	0 - 1/8 SW	G49	144
LUMBER EXCHANGE TERMINAL	171 WEST ST	1/8 - 1/4 SSW	K68	243
1166 MANHATTAN AVE	1166 MANHATTAN AVE	1/8 - 1/4 NE	T112	412
VALUT 7059	INDIA ST/WEST ST	1/4 - 1/2 SSW	U116	420
VAULT 5337	INDIA ST/ WEST ST	1/4 - 1/2 SSW	U117	423
46 5TH ST/SABOROSO CO	46 5TH ST	1/4 - 1/2 NNE	118	425
NEW TOWN CREEK	1205 MANHATTAN AVE	1/4 - 1/2 NE	W122	435
1205 MANHATTAN AVE/BKLYN	1205 MANHATTAN AVENUE	1/4 - 1/2 NE	W123	437
1205 MANHATTAN AVE	1205 MANHATTAN AVE.	1/4 - 1/2 NE	W124	439
1205 MANHATTAN AVE	1205 MANHATTAN AVE	1/4 - 1/2 NE	W125	444
1155-1205 MANHATTAN AVE	1155-1205 MANAHATTAN AV	1/4 - 1/2 NE	W126	448
ANHEUSER-BUSH	5501 2ND ST	1/4 - 1/2 N	Y133	461
MCGUINESS BLVD/CLAY ST	MCGUINESS BLVD/CLAY ST	1/4 - 1/2 ENE	Z135	464
MANHOLE 4297	BOX ST / PAIDGE AVE	1/4 - 1/2 ENE	AA137	467
OVERSEAS ASSOC	400 MCGUINESS BLVD	1/4 - 1/2 ENE	Z138	470
Not reported	CLAY ST / MCGUINNES B	1/4 - 1/2 ENE	Z139	472
MCGUINESS & BOX ST	MCGUINESS / BOX ST	1/4 - 1/2 ENE	Z150	492
5-35 54TH AVENUE	5-35 54TH AVENUE	1/4 - 1/2 NNE	AD153	499
FINK BAKERY	535 54TH AVE	1/4 - 1/2 NNE	AD154	503
Not reported	535 54TH AVE	1/4 - 1/2 NNE	AD156	526
11TH ST CONDUIT	460-456 MCGUINESS BLVD	1/4 - 1/2 ENE	AE163	543
MANHOLE 19726	54TH AVE / 2ND ST	1/4 - 1/2 N	AI167	549

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
MANHOLE 19726	*54TH AV / 2ND ST*	*1/4 - 1/2 N*	*AI168*	*551*
54-08 VERNON BLVD/QUEENS	*54-08 VERNON BLVD*	*1/4 - 1/2 NNE*	*AJ172*	*558*
54TH AVA & VERNON BLVD	*54TH AVE / VERNON BLV*	*1/4 - 1/2 NNE*	*AJ173*	*560*
24 PAIGE AVENUE	*24 PAIGE AVENUE*	*1/4 - 1/2 ENE*	*AK177*	*567*
MOTIVA ENTERPRISES LLC	*25 PAIDGE AVENUE*	*1/4 - 1/2 ENE*	*AK182*	*585*
1 POLICE PLAZA/MANHATTAN	*1 POLICE PLAZA*	*1/4 - 1/2 NE*	*190*	*617*
Not reported	*53RD AVE/VERNON BLVD*	*1/4 - 1/2 NNE*	*AJ192*	*622*
SHELL OIL CO	*25 PAIDGE AV-WELS 15,16*	*1/4 - 1/2 ENE*	*195*	*629*
266 FREEMAN ST/BROOKLYN	*266 FREEMAN STREET*	*1/4 - 1/2 E*	*AP201*	*641*
EAGLE & PROVOST STS/BKLYN	*EAGLE / PROVOST STS*	*1/4 - 1/2 E*	*AP204*	*648*
LONG ISLAND CITY YARD	*5-02 BORDEN AVENUE*	*1/4 - 1/2 NNE*	*AS208*	*656*
LONG ISLAND CITY YARD	*5-02 BORDEN AV*	*1/4 - 1/2 NNE*	*AS209*	*658*
LONG ISLAND CITY PASS YAR	*5-01 BORDEN AV*	*1/4 - 1/2 NNE*	*AS210*	*660*
207 BORDEN AVENUE	*207 BORDEN AVENUE*	*1/4 - 1/2 N*	*AU214*	*668*
MH #19726	*2ND ST / BORDEN AVE*	*1/4 - 1/2 N*	*AU216*	*672*
N E C / B N S	*10-26 53RD AVE*	*1/4 - 1/2 NE*	*AV220*	*684*
10-26 53RD AVENUE	*10-26 53RD AVENUE*	*1/4 - 1/2 NE*	*AV221*	*686*
GREEN ST & PROVOST/BKLYN	*GREEN ST / PROVOST*	*1/4 - 1/2 E*	*222*	*689*
53 KENT AVE / N 11TH ST	*53 KENT AVE / N 11TH ST*	*1/4 - 1/2 NE*	*AW227*	*702*
EXXON COMPANY, U.S.A.	*320 FREEMAN STREET*	*1/4 - 1/2 E*	*AY229*	*736*
NYC NEWTON CREEK WPCP	*320 FREEMAN ST*	*1/4 - 1/2 E*	*AY230*	*751*
EXXON CORP/320 FREEMAN AV	*320 FREEMAN AVENUE*	*1/4 - 1/2 E*	*AY232*	*756*
320 FREEMAN ST/EXXON TERM	*320 FREEMAN ST*	*1/4 - 1/2 E*	*AY233*	*759*
5-50 51ST AVE	*5-50 51ST AVE*	*1/4 - 1/2 NNE*	*BA240*	*772*
SERVICE BOX 51208	*448/450 51ST ST*	*1/4 - 1/2 N*	*241*	*777*
5TH ST & 51ST AVE	*5TH ST / 51ST AVE*	*1/4 - 1/2 NNE*	*BA243*	*780*

VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the VCP list, as provided by EDR, and dated 02/05/2008 has revealed that there are 4 VCP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
101-105 WEST STREET	101-105 WEST STREET, BR	1/4 - 1/2 S	161	533

Lower Elevation	Address	Dist / Dir	Map ID	Page
BAYSIDE OIL	1-65 NORTH 12TH STREET	1/2 - 1 S	245	791
OCA LIC FIFTH STREET MIXED-USE	5-20 46TH ROAD	1/2 - 1 NNE	BB246	792
PEPSI COLA PLANT	***46-00 5TH STREET***	***1/2 - 1 NNE***	***248***	***801***

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
APHRODITE CLEANERS	1019 MANHATTAN AVENUE	1/8 - 1/4 ESE	R93	314

EXECUTIVE SUMMARY

E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the E DESIGNATION list, as provided by EDR, and dated 02/27/2008 has revealed that there are 20 E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir		Map ID	Page
LOT 72,TAXBLOCK 2487	57 DUPONT STREET	0 - 1/8	ENE	C13	54
LOT 21,TAXBLOCK 2487	32 CLAY STREET	0 - 1/8	ENE	C19	69
LOT 18,TAXBLOCK 2487	26 CLAY STREET	0 - 1/8	ENE	C20	70
LOT 17,TAXBLOCK 2487	22 CLAY STREET	0 - 1/8	ENE	C22	74
LOT 20,TAXBLOCK 2487	30 CLAY STREET	0 - 1/8	ENE	C23	76
LOT 10,TAXBLOCK 2487	10 CLAY STREET	0 - 1/8	NNE	D25	80
LOT 1,TAXBLOCK 2482	40 COMMERCIAL STREET	0 - 1/8	NNE	D27	83
LOT 12,TAXBLOCK 2487	14 CLAY STREET	0 - 1/8	NNE	D28	85
LOT 7,TAXBLOCK 2482	15 CLAY STREET	0 - 1/8	NE	D31	91
LOT 4,TAXBLOCK 2482	48 COMMERCIAL STREET	0 - 1/8	NNE	D34	107
LOT 8,TAXBLOCK 2482	56 COMMERCIAL STREET	0 - 1/8	NNE	F37	115
LOT 53,TAXBLOCK 2482	29 CLAY STREET	0 - 1/8	NE	38	117

Lower Elevation	Address	Dist / Dir		Map ID	Page
LOT 100,TAXBLOCK 2472	37 COMMERCIAL STREET	0 - 1/8	N	14	55
LOT 1,TAXBLOCK 2494	31 EAGLE STREET	0 - 1/8	SW	15	59
LOT 11,TAXBLOCK 2511	66 FREEMAN STREET	0 - 1/8	S	E35	109
LOT 14,TAXBLOCK 2511	72 FREEMAN STREET	0 - 1/8	SSW	E36	112
LOT 12,TAXBLOCK 2511	68 FREEMAN STREET	0 - 1/8	SSW	40	121
LOT 32,TAXBLOCK 2472	219 WEST STREET	0 - 1/8	SW	G41	123
LOT 1,TAXBLOCK 2543	209 WEST STREET	0 - 1/8	SW	G42	126
LOT 1,TAXBLOCK 2503	198 WEST STREET	0 - 1/8	SW	G48	142

MOSF: These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

A review of the MOSF list, as provided by EDR, and dated 12/06/2007 has revealed that there is 1 MOSF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir		Map ID	Page
MOTIVA ENTERPRISES, LLC	***25 PAIDGE AVENUE***	***1/4 - 1/2***	***ENE***	***AK180***	***575***

CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the CBS list, as provided by EDR, and dated 12/06/2007 has revealed that there is 1 CBS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir		Map ID	Page
NUHART & COMPANY	49-55 DUPONT ST.	0 - 1/8	ENE	A7	35

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there are 4 Manufactured Gas Plants sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WYTHE AVE. (BERRY ST.) STATION	WYTHE AVE., BERRY ST.,	1/2 - 1 S	252	827

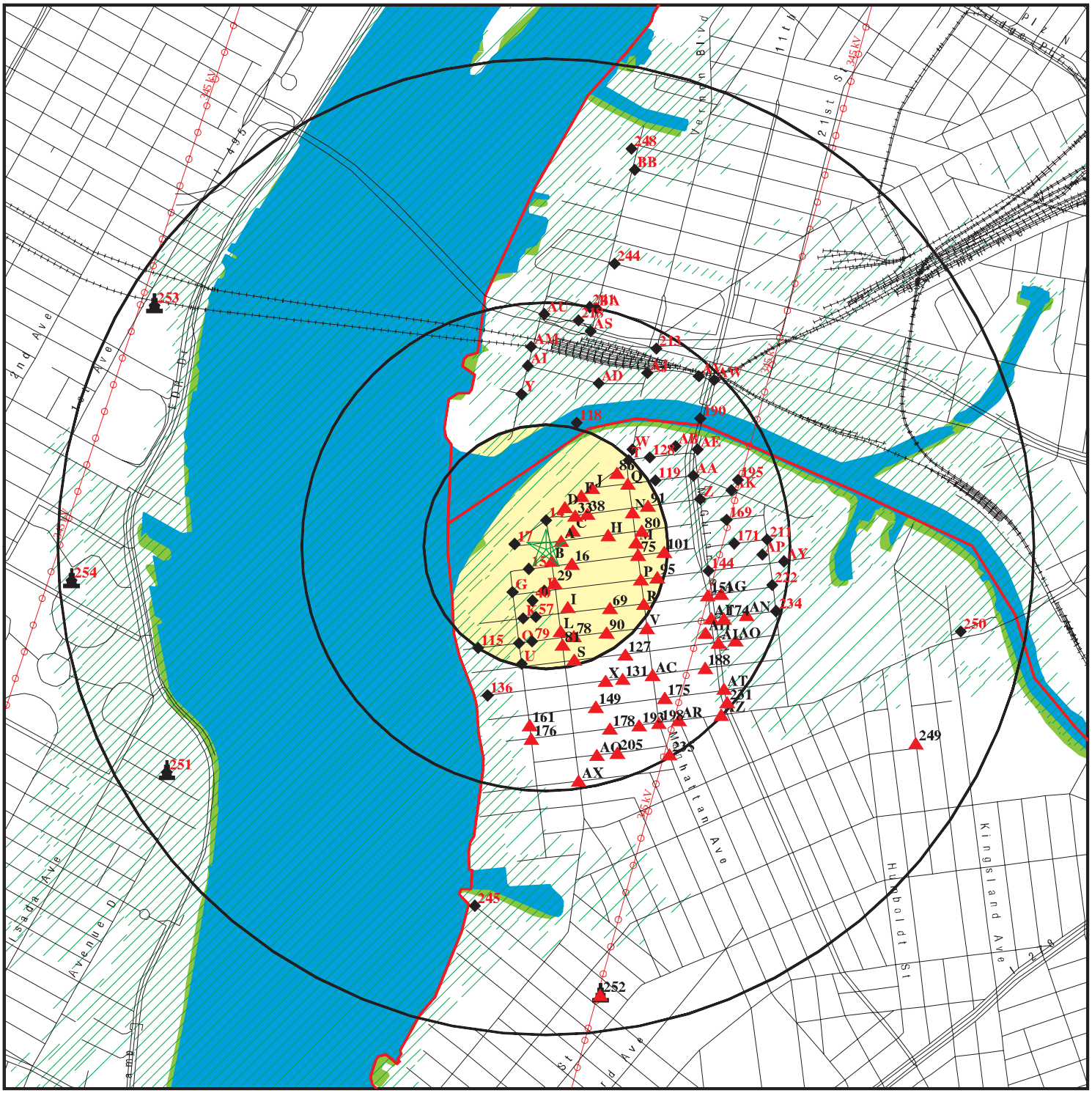
Lower Elevation	Address	Dist / Dir	Map ID	Page
CON EDISON - EAST 14TH ST. WOR	EAST 14TH - EAST 16TH S	1/2 - 1 WSW	251	827
CON EDISON - EAST 32ND ST. STA	EAST 32ND - EAST 33RD S	1/2 - 1 WNW	253	827
CON EDISON - EAST 21ST ST. WOR	EAST 20TH - EAST 22ND S	1/2 - 1 W	254	827

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
QUANTA RESOURCES	SHWS, MOSF
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CON EDISON - MH 8303	MANIFEST, RCRA-NonGen
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
MH64829	MANIFEST, RCRA-NonGen
LOT 1,TAXBLOCK 2698	E DESIGNATION
LOT 425,TAXBLOCK 2472	E DESIGNATION
LOT 1,TAXBLOCK 2502	E DESIGNATION
LOT 6,TAXBLOCK 2494	E DESIGNATION
CON EDISON - VAULT 2155	RCRA-NonGen
CON EDISON - VAULT 2795	RCRA-NonGen
CON EDISON - VAULT 2772	RCRA-NonGen
24 OAK LLC	RCRA-CESQG
ROYAL AUTO REPAIR	NY Spills, NY Hist Spills
KINGS HIGHWAY MOBIL	NY Spills
BETW/AVE X &	NY Spills
ROADWAY	NY Spills
MANHOLE #1399	NY Spills, NY Hist Spills
BOX 38486	NY Spills, NY Hist Spills
COMMERCIAL LOT	NY Spills
MANHOLE #62581	NY Spills, NY Hist Spills
MH 36395	NY Spills, NY Hist Spills
TM 1081	NY Spills, NY Hist Spills
MANHOLE #8303	NY Spills
SIDE OF ROAD	NY Spills
VS 5761	NY Spills, NY Hist Spills
MANHOLE #6016	NY Spills, NY Hist Spills
MANHOLE #2713	NY Spills
MANHOLE 65087	NY Spills
VAULT #2155	NY Spills
CUMBERLAND #70222	NY Spills
IN DUMPSTER	NY Spills
VAULT #2772	NY Spills
VAULT # 2795	NY Spills
NEW YORK AQUARIUM	NY Spills

OVERVIEW MAP - 2221604.2s



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Block 2494, Lot 1	CLIENT: TRC Environmental Consultants
ADDRESS: 14 Dupont Street Brooklyn NY 11222	CONTACT: Angela P Hernandez
LAT/LONG: 40.7354 / 73.9587	INQUIRY #: 2221604.2s
	DATE: May 15, 2008 4:10 pm

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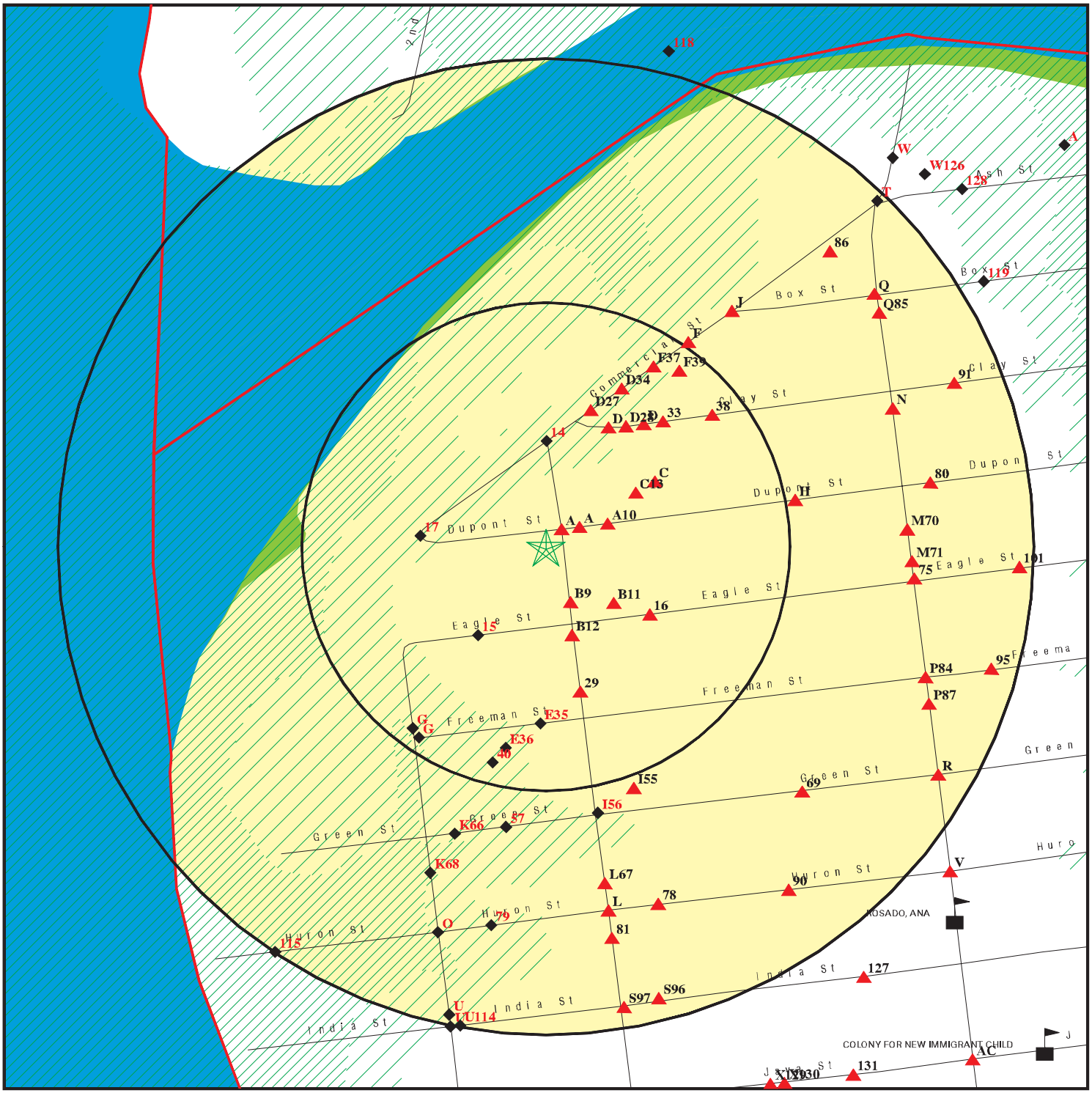
DETAIL MAP - 2221604.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Block 2494, Lot 1 ADDRESS: 14 Dupont Street Brooklyn NY 11222 LAT/LONG: 40.7354 / 73.9587	CLIENT: TRC Environmental Consultants CONTACT: Angela P Hernandez INQUIRY #: 2221604.2s DATE: May 15, 2008 4:10 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		0.500	0	0	0	NR	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	2	NR	2
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	0	1	NR	NR	NR	1
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	1	NR	NR	NR	1
RCRA-NonGen		0.250	4	10	NR	NR	NR	14
US ENG CONTROLS		TP	NR	NR	NR	NR	NR	0
US INST CONTROL		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
US CDL		TP	NR	NR	NR	NR	NR	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
HSWDS		0.500	0	0	0	NR	NR	0
SHWS		1.000	0	0	0	0	NR	0
DEL SHWS		1.000	0	0	0	2	NR	2
SWF/LF		0.500	0	2	4	NR	NR	6
SWRCY		0.500	0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SWTIRE		0.500	0	0	0	NR	NR	0
LTANKS		0.500	0	4	17	NR	NR	21
HIST LTANKS		0.500	0	3	12	NR	NR	15
UST		0.250	2	10	NR	NR	NR	12
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	2	NR	NR	2
HIST UST		0.250	1	8	NR	NR	NR	9
AST		0.250	1	9	NR	NR	NR	10
HIST AST		TP	NR	NR	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF AST		0.500	0	0	3	NR	NR	3
MANIFEST		0.250	5	10	NR	NR	NR	15
NY Spills		0.500	19	28	105	NR	NR	152
NY Hist Spills		0.500	16	20	75	NR	NR	111
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		1.000	0	0	1	3	NR	4
DRYCLEANERS		0.250	0	1	NR	NR	NR	1
BROWNFIELDS		1.000	0	0	0	0	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
RES DECL		0.180	0	0	NR	NR	NR	0
E DESIGNATION		0.125	20	NR	NR	NR	NR	20
MOSF		0.500	0	0	1	NR	NR	1
CBS		0.250	1	0	NR	NR	NR	1
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	4	NR	4

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 NE < 1/8 0.012 mi. 64 ft. | **MANHOLE #64829**
FRANKLIN AV / DUPONT ST
BROOKLYN, NY

Site 1 of 9 in cluster A

NY Spills | **S104788916**
NY Hist Spills | **N/A**

Relative: Higher

Actual: 13 ft.

NY Spills:

Site ID:	80553
Facility Addr2:	Not reported
Facility ID:	0006371
Spill Number:	0006371
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	08/29/00
Reported to Dept:	08/29/00
CID:	390
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/03/04
Remediation Phase:	0
Date Entered In Computer:	08/29/00
Spill Record Last Update:	06/03/04
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	BILL MURPHY
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0006371
DER Facility ID:	74647
Site ID:	80553
Operable Unit ID:	827391
Operable Unit:	01
Material ID:	547486
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0006371 Prior to Sept, 2004 data translation this spill Lead

MANHOLE #64829 (Continued) **S104788916**

DEC Field was "O'CONNELL" e2mis no. 133095: 3 gallons of an unknown oil on top of 6,000 gallons of water inside mh64829. Chem lab reported 00-08294 PCB 21 ppm Chem lab reported 00-08317 benzene 44 ppb CLEANUP CHECKLIST Source/cause of spill NO LEAK FOUND X Removed/recovered liquid/solids. X Removed visible traces of oil. X Washed stained areas. X Other DOUBLE WASHED MANHOLE X Name of contractor S &D ENVIRONMENTAL Cleanup completed on Date 9-1-00 Time 09:00 END DECRemark - 0006371

Remarks: Start CallerRemark - 0006371 3 gals unk oil on 6,000 gals of water - sample will be taken - clean up pending lab results con ed #133095 END CallerRemark - 0006371

NY Hist Spills:

Region of Spill:	2
Spill Number:	0006371
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	08/29/2000 11:10
Reported to Dept Date/Time:	08/29/00 12:37
SWIS:	61
Spiller Name:	UNK
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Contact:	BILL MURPHY
Spiller Phone:	(212) 580-6763
Spiller Address:	UNK
Spiller City,St,Zip:	UNK
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Local Agency
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	08/29/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	08/30/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported

MANHOLE #64829 (Continued) **S104788916**

Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	3
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	3 gals unk oil on 6,000 gals of water - sample will be taken - clean up pending lab results con ed 133095

A2
NE
< 1/8
0.012 mi.
64 ft.

MANHOLE 64829 **NY Spills** **S103938917**
FRANKLIN / DUPONT ST **NY Hist Spills** **N/A**
BROOKLYN, NY

Site 2 of 9 in cluster A

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	184306
Facility Addr2:	Not reported
Facility ID:	9903563
Spill Number:	9903563
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	06/28/99
Reported to Dept:	06/28/99
CID:	389
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/30/04
Remediation Phase:	0
Date Entered In Computer:	06/28/99
Spill Record Last Update:	01/30/04
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported

MANHOLE 64829 (Continued) **S103938917**

Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 9903563
DER Facility ID: 154244
Site ID: 184306
Operable Unit ID: 1082498
Operable Unit: 01
Material ID: 303478
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 15.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9903563 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Being treated as benzene contaminated. Found during routine inspection. (JHO) e2mis no. 125826:
found 15 gallons of oil on top 5000 gallons of water contained inside mh 64829 for feeder 62. The techs. Are standing by for a crew to take samples. Cathodic protection testing was performed. Con Ed Transportation to repond to pump out liquids. Clean Harbors notified to respond at 17:00 to double wash manhole and remove any solids. handling material as 50-499 ppm PCB. Manhole was pumped out by Con Ed tankers and double washed by Clean Harbors. 3300 gallons of liquids removed by Con Ed returned to oil/water seperator. Clean Harbors removed 100 pounds of material from manhole. Chem Lab reports 99-06703 14 ppm PCB. END DECRemark - 9903563
Remarks: Start CallerRemark - 9903563 15 gal of unknown material spilled into manhole samples being taken at this time clean up pending sanple results no call back requested END CallerRemark - 9903563

NY Hist Spills:
Region of Spill: 2
Spill Number: 9903563
Investigator: O'CONNELL
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 06/28/1999 13:15
Reported to Dept Date/Time: 06/28/99 15:07
SWIS: 61
Spiller Name: UNK
Spiller Contact: UNK
Spiller Phone: (000) 000-0000
Spiller Address: UNK
Spiller City,St,Zip: UNK, NY
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Other

MANHOLE 64829 (Continued) **S103938917**

PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	06/28/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/29/99
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	15
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	15 gal of unknown material spilled into manhole samples being taken at this time clean up pending sanple results no call back requested

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A3
NE
< 1/8
0.012 mi.
64 ft.

MANHOLE 64829 **NY Spills** **S104195797**
FRANKLIN AVE/DUPONT AVE **NY Hist Spills** **N/A**
BROOKLYN, NY

Site 3 of 9 in cluster A

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	224377
Facility Addr2:	Not reported
Facility ID:	9907940
Spill Number:	9907940
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	COMENALE
Referred To:	Not reported
Spill Date:	09/30/99
Reported to Dept:	09/30/99
CID:	198

MANHOLE 64829 (Continued) **S104195797**

Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/05/04
Remediation Phase:	0
Date Entered In Computer:	09/30/99
Spill Record Last Update:	02/05/04
Spiller Name:	CALLER
Spiller Company:	CON ED
Spiller Address:	4 IRVING PL
Spiller City,St,Zip:	MANHATTAN, NY 10003-
Spiller Company:	001
Spiller Phone:	(212) 580-6763
Contact Name:	STEVE CRIBBIN
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	9907940
DER Facility ID:	185446
Site ID:	224377
Operable Unit ID:	1082235
Operable Unit:	01
Material ID:	300623
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Sewer
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9907940 4 GALLONS OF FLUID ON 1500 GALLONS OF WATER IN MANHOLE POSS FROM TRANSMISSION FEEDER LINE, NOT CLEANED UP YET. CON ED #128133. CLEANUP PENDING RESULTS OF TESTING. END CallerRemark - 9907940

NY Hist Spills:

Region of Spill:	2
Spill Number:	9907940
Investigator:	COMENALE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	09/30/1999 09:20
Reported to Dept Date/Time:	09/30/99 10:34
SWIS:	61

MANHOLE 64829 (Continued) **S104195797**

Spiller Name:	CON ED
Spiller Contact:	CALLER
Spiller Phone:	(212) 580-6763
Spiller Contact:	STEVE CRIBBIN
Spiller Phone:	(212) 580-6763
Spiller Address:	4 IRVING PL
Spiller City,St,Zip:	MANHATTAN, NY 10003-
Spill Cause:	Unknown
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	09/30/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	09/30/99
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	4
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	DIELECTRIC FLUID
Class Type:	DIELECTRIC FLUID
Times Material Entry In File:	41
CAS Number:	Not reported
Last Date:	Not reported

DEC Remarks: Not reported

Remark: 4 GALLONS OF FLUID ON 1500 GALLONS OF WATER IN MANHOLE POSS FROM TRANSMISSION FEEDER LINE, NOT CLEANED UP YET. CON ED 128133. CLEANUP PENDING RESULTS OF TESTING.

A4	**NUHART CO**	**MANIFEST**	**1009232006**
ENE	**49 DUPONT ST**		**N/A**
< 1/8	**BROOKLYN, NY 11222**		
0.020 mi.			
106 ft.	**Site 4 of 9 in cluster A**		

Relative:
Higher

Actual:
13 ft.

NY MANIFEST:

Document ID:	NJA0030316
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWAS-32
Trans2 State ID:	Not reported
Generator Ship Date:	850501
Trans1 Recv Date:	850501
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	850501
Part A Recv Date:	850718
Part B Recv Date:	850509
Generator EPA ID:	NYP000852456
Trans1 EPA ID:	NJD071629976
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00605
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	02000
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	85
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP000852456
Facility Name:	NUHART CO
Facility Address:	49 DUPONT ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NUHART CO
Mailing Contact:	NUHART CO
Mailing Address:	49 DUPONT STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN

NUHART CO (Continued) **1009232006**

Mailing State: NY
Mailing Zip: 11222
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-383-8484

A5 **DYNAMIT NOBEL-HARTE, INC** **MANIFEST** **S108793900**
ENE **49 DUPONT STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.020 mi.
106 ft. **Site 5 of 9 in cluster A**

Relative:
Higher

Actual:
13 ft.

NJ MANIFEST:
Manifest Code: 001293018JJK
EPA ID: NYD001468354
Date Shipped: 20070207
TSDF EPA ID: NJD002385730
Transporter EPA ID: PAR000524041
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 070207
Date Trans2 Transported Waste: Not reported
Date TSDF Received Waste: 070207
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: U002
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 1310
Unit: G
Hand Code: H12

A6 **DYNAMIT NOBEL-HARTE, INC** **FINDS** **1000149832**
ENE **49 DUPONT STREET** **MANIFEST** **NYD001468354**
< 1/8 **BROOKLYN, NY 11222** **RCRA-NonGen**
0.020 mi.
106 ft. **Site 6 of 9 in cluster A**

Relative:
Higher

Actual:
13 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID:	NYO1132047
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA030
Trans2 State ID:	Not reported
Generator Ship Date:	810720
Trans1 Recv Date:	810720
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	810720
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01500
Units:	P - Pounds
Number of Containers:	030
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	80-81
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484
Document ID:	NYO1132056
Manifest Status:	Generator copy
Trans1 State ID:	JA030
Trans2 State ID:	Not reported
Generator Ship Date:	810819
Trans1 Recv Date:	810819
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01870
Units:	P - Pounds
Number of Containers:	034
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	80-81
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

Document ID:	NYO1132065
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA030
Trans2 State ID:	Not reported
Generator Ship Date:	811106
Trans1 Recv Date:	811106
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	811106
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01450
Units:	P - Pounds
Number of Containers:	029
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	80-81
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Document ID:	NJO0035915
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWAS2
Trans2 State ID:	Not reported
Generator Ship Date:	810603
Trans1 Recv Date:	810603
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	810603
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01705
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	031
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	80-81
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

Document ID:	NYO1019889
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	820223
Trans1 Recv Date:	820223

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820211
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NYD002401537
Trans2 EPA ID:	Not reported
TSDF ID:	NYD002401537
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00040
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484
Document ID:	NJA3077285
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	09/08/1999
Trans1 Recv Date:	09/08/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NJD991291105

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Trans2 EPA ID:	Not reported
TSDF ID:	06993
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484
Document ID:	NJA3077407
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	09/17/1999
Trans1 Recv Date:	09/17/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/17/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S6993
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01380
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	028

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484
Document ID:	NJA0789069
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	900416
Trans1 Recv Date:	900416
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900416
Part A Recv Date:	900725
Part B Recv Date:	900521
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	F005 - UNKNOWN
Quantity:	02900
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90
Manifest Tracking Num:	Not reported
Import Ind:	Not reported

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	2007-02-14
Trans1 Recv Date:	2007-02-14
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-02-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MID980991566
Waste Code:	Not reported
Quantity:	150.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	07
Manifest Tracking Num:	001293248JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	2007-02-14
Trans1 Recv Date:	2007-02-14
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-02-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MID980991566
Waste Code:	Not reported
Quantity:	750.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	13.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	07
Manifest Tracking Num:	001293248JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111
EPA ID:	NYD001468354
Facility Name:	NU HART

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAR000524041
Trans2 State ID:	Not reported
Generator Ship Date:	2007-02-07
Trans1 Recv Date:	2007-02-07
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-02-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002385730
Waste Code:	Not reported
Quantity:	1310.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	07
Manifest Tracking Num:	001293018JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H129
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

Document ID:	07
Manifest Status:	001293248JJK
Trans1 State ID:	NYD001468354
Trans2 State ID:	Not reported
Generator Ship Date:	MID980991566
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD054126164
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	Y
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	13
Number of Containers:	DM
Container Type:	750
Handling Method:	G
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484
Document ID:	07
Manifest Status:	001293248JJK
Trans1 State ID:	NYD001468354
Trans2 State ID:	Not reported
Generator Ship Date:	MID980991566
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD054126164
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	Y
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	3
Number of Containers:	DM
Container Type:	150
Handling Method:	G
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484
Document ID:	07
Manifest Status:	001293018JJK
Trans1 State ID:	NYD001468354
Trans2 State ID:	Not reported
Generator Ship Date:	NJD002385730
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	PAR000524041
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	TT
Container Type:	1310
Handling Method:	G
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

Document ID:	NJA2728150
Manifest Status:	Completed copy
Trans1 State ID:	S6993
Trans2 State ID:	Not reported
Generator Ship Date:	970326
Trans1 Recv Date:	970326
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970326
Part A Recv Date:	970407
Part B Recv Date:	970414
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NJD980772768
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	03080
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	056
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

Document ID:	NYA2022471
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	850227
Trans1 Recv Date:	850227
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	850227
Part A Recv Date:	850905
Part B Recv Date:	850312
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	02365
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	036
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	85
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	2/14/2007
Trans1 Recv Date:	2/14/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2/19/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MID980991566
Waste Code:	Not reported
Quantity:	150
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	3
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	07
Manifest Tracking Num:	001293248JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	2/14/2007
Trans1 Recv Date:	2/14/2007

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2/19/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MID980991566
Waste Code:	Not reported
Quantity:	750
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	13
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	07
Manifest Tracking Num:	001293248JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAR000524041
Trans2 State ID:	Not reported
Generator Ship Date:	2/7/2007
Trans1 Recv Date:	2/7/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2/7/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD001468354
Trans1 EPA ID:	Not reported

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002385730
Waste Code:	Not reported
Quantity:	1310
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	07
Manifest Tracking Num:	001293018JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H129
EPA ID:	NYD001468354
Facility Name:	NU HART
Facility Address:	49 DUPONT STREET
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NU HART
Mailing Contact:	NU HART
Mailing Address:	365 BAYSHORE ROAD
Mailing Address 2:	P O BOX 756
Mailing City:	DEER PARK
Mailing State:	NY
Mailing Zip:	11729
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-8484

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	DYNAMIT NOBEL-HARTE INC
Facility address:	49 DUPONT ST BROOKLYN, NY 112221008
EPA ID:	NYD001468354
Mailing address:	COMMERCIAL ST BROOKLYN, NY 11222
Contact:	-
Contact address:	COMMERCIAL ST BROOKLYN, NY 11222
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency:	01/01/2001
Facility name:	DYNAMIT NOBEL-HARTE INC
Site name:	NUHART & CO INC
Classification:	Small Quantity Generator
Date form received by agency:	07/08/1999
Facility name:	DYNAMIT NOBEL-HARTE INC
Classification:	Not a generator, verified
Date form received by agency:	02/26/1998
Facility name:	DYNAMIT NOBEL-HARTE INC
Site name:	NUHART & CO INC
Classification:	Large Quantity Generator
Date form received by agency:	12/01/1980
Facility name:	DYNAMIT NOBEL-HARTE INC
Classification:	Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated:	SR - 374-3.2(d)(4)(i),374-3.2(e)(5)
Area of violation:	Generators - General
Date violation determined:	05/07/2002
Date achieved compliance:	06/05/2002
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	05/17/2002
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	SR - 371.1(f)7
Area of violation:	Listing - General
Date violation determined:	08/21/2001

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Date achieved compliance: 09/11/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/27/1987
Date achieved compliance: 01/27/1987
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/01/1986
Date achieved compliance: 01/30/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/20/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/07/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/05/2002
Evaluation lead agency: State

Evaluation date: 08/21/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Listing - General
Date achieved compliance: 09/11/2001
Evaluation lead agency: State

Evaluation date: 07/27/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

DYNAMIT NOBEL-HARTE, INC (Continued) **1000149832**

Evaluation date:	01/27/1987
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Generators - General
Date achieved compliance:	01/27/1987
Evaluation lead agency:	State

Evaluation date:	07/01/1986
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/30/1987
Evaluation lead agency:	State

A7
ENE
< 1/8
0.020 mi.
106 ft.

NUHART & COMPANY **CBS** **S108410840**
49-55 DUPONT ST. **N/A**
BROOKLYN, NY 11211

Site 7 of 9 in cluster A

Relative:
Higher

Actual:
13 ft.

CBS:

CBS Number:	2-000444
Program Type:	CBS
Dec Region:	2
Expiration Date:	N/A
UTMX:	Not reported
UTMY:	Not reported

A8
ENE
< 1/8
0.020 mi.
106 ft.

NUHART & CO., INC. **UST** **U004047784**
49-55 DUPONT STREET **N/A**
BROOKLYN, NY 11222

Site 8 of 9 in cluster A

Relative:
Higher

Actual:
13 ft.

UST:

UST:

Facility Id:	2-608875
Region:	STATE
Expiration Date:	04/17/08
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	ADVANCED SITE RESTORATION LLC
Mailing Title:	Not reported
Mailing Contact:	CHRISTOPHER P. TOMASELLO
Mailing Address:	62 WILLIAM ST.
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip Code:	10005
Mailing Phone No:	(212) 809-1110
Mailing Email:	Not reported
Owner Title:	PROJECT MGR-ADV. SITE RESTORATION
Owner Name:	CHRISTOPHER P. TOMASELLO
Owner Address:	49-55 DUPONT ST.
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222
Owner Phone:	(201) 538-4329

NUHART & CO., INC. (Continued) **U004047784**

Owner Company:	49 DUPONT REALTY CORP.
Emergency Contact:	SOL GRAF
Emergency Phone:	(201) 538-4329
Operator:	NUHART & COMPANY
Operator Phone:	(201) 538-4329
Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial
UTM X:	587962.04344
UTM Y:	4509931.79937
Site Type Name:	Manufacturing (Other than Chemical)/Processing
Site Type Status:	Unregulated
Comments:	Not reported
Program Type:	PBS
Tank Number:	PBS 01
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	275
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06
Tank Number:	PBS 02
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /

NUHART & CO., INC. (Continued) **U004047784**

Capacity Gallons:	10000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

Tank Number:	PBS 03
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	1000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None

NUHART & CO., INC. (Continued) **U004047784**

Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

Tank Number:	PBS 04
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	4000
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Unknown
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

Tank Number:	PBS 05
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	4000
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron

NUHART & CO., INC. (Continued) **U004047784**

Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Unknown
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

Tank Number:	PBS 06
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	4000
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Unknown
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

Tank Number:	PBS 07
Tank Location Name:	Underground
Tank Status:	Closed - In Place

NUHART & CO., INC. (Continued) **U004047784**

Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	4000
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Unknown
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

Tank Number:	PBS 08
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	1500
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported

NUHART & CO., INC. (Continued) **U004047784**

Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Unknown
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

Tank Number:	PBS 09
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	10000
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Unknown
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

Tank Number:	PBS 10
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	10000
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None

NUHART & CO., INC. (Continued) **U004047784**

Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Unknown
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

Tank Number:	PBS 11
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	10000
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Unknown
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

NUHART & CO., INC. (Continued) **U004047784**

Tank Number:	PBS 12
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	10000
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	None
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	None
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	None
Tightness Test Method:	Unknown
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	07/17/06

B9 **262 FRANKLIN ST/BKLYN** **NY Spills** **S102145994**
SSE **262 FRANKLIN STREET** **NY Hist Spills** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.031 mi.
163 ft. **Site 1 of 3 in cluster B**

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	295274
Facility Addr2:	Not reported
Facility ID:	9008252
Spill Number:	9008252
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JAMES
Referred To:	Not reported
Spill Date:	10/11/90
Reported to Dept:	10/26/90
CID:	Not reported
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	03/14/91

262 FRANKLIN ST/BKLYN (Continued) **S102145994**

Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	03/14/91
Remediation Phase:	0
Date Entered In Computer:	03/11/91
Spill Record Last Update:	06/12/91
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9008252
DER Facility ID:	238939
Site ID:	295274
Operable Unit ID:	945468
Operable Unit:	01
Material ID:	432085
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Air
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9008252 PARTICULATE IN AIR,NOTIFIER CLAIMS PRESENCE OF STRONG HYDROCARBON POSSIBLY PVC IN THE BLDG,ONGOING PROBLEM,REFERRED TO THE DOH & DEC AIR UNIT FOR INVESTIGATION. END CallerRemark - 9008252

NY Hist Spills:

Region of Spill:	2
Spill Number:	9008252
Investigator:	JAMES
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/11/1990 12:00
Reported to Dept Date/Time:	10/26/90 17:34
SWIS:	61
Spiller Name:	Not reported
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown

262 FRANKLIN ST/BKLYN (Continued) **S102145994**

Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	03/14/91
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	03/14/91
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	03/11/91
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/12/91
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	10/10/95: This is additional information about material spilled from the translation of the old spill file: HAZARDOUS FUMES.
Remark:	PARTICULATE IN AIR,NOTIFIER CLAIMS PRESENCE OF STRONG HYDROCARBON POSSIBLY PVC IN THE BLDG,ONGOING PROBLEM,REFERRED TO THE DOH DEC AIR UNIT FOR INVESTIGATION.

A10 **CON ED - V 3283** **MANIFEST** **1007206259**
ENE **55 DUPONT ST** **RCRA-NonGen** **NYP004006656**
< 1/8 **BROOKLYN, NY 11234**
0.034 mi.
179 ft. **Site 9 of 9 in cluster A**

Relative:
Higher

Actual:
13 ft.

NY MANIFEST:

Document ID:	NYG0250164
Manifest Status:	Completed copy
Trans1 State ID:	80680AE
Trans2 State ID:	Not reported
Generator Ship Date:	970514
Trans1 Recv Date:	970514
Trans2 Recv Date:	Not reported

CON ED - V 3283 (Continued) **1007206259**

TSD Site Recv Date:	970515
Part A Recv Date:	970527
Part B Recv Date:	970523
Generator EPA ID:	NYP004006656
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00075
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	97
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP004006656
Facility Name:	CONSOLIDATED EDISON
Facility Address:	V3283 - 55 DUPONT ST
Facility City:	QUEENS
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808
Document ID:	NYG0249984
Manifest Status:	Completed copy
Trans1 State ID:	20854AD
Trans2 State ID:	Not reported
Generator Ship Date:	970514
Trans1 Recv Date:	970514
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970514
Part A Recv Date:	970527
Part B Recv Date:	970523
Generator EPA ID:	NYP004006656
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported

CON ED - V 3283 (Continued) **1007206259**

TSDF ID:	NYD980593636
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	05245
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP004006656
Facility Name:	CONSOLIDATED EDISON
Facility Address:	V3283 - 55 DUPONT ST
Facility City:	QUEENS
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NYG0249237
Manifest Status:	Completed copy
Trans1 State ID:	20855AD
Trans2 State ID:	Not reported
Generator Ship Date:	970512
Trans1 Recv Date:	970512
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970512
Part A Recv Date:	970527
Part B Recv Date:	970521
Generator EPA ID:	NYP004006656
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	04121
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks

CON ED - V 3283 (Continued) **1007206259**

Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP004006656
Facility Name:	CONSOLIDATED EDISON
Facility Address:	V3283 - 55 DUPONT ST
Facility City:	QUEENS
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NYG0250191
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	80680AE
Trans2 State ID:	Not reported
Generator Ship Date:	970514
Trans1 Recv Date:	970514
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970515
Part A Recv Date:	970527
Part B Recv Date:	970612
Generator EPA ID:	NYP004006656
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00002
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	085
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	97
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported

CON ED - V 3283 (Continued) **1007206259**

Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP004006656
Facility Name:	CONSOLIDATED EDISON
Facility Address:	V3283 - 55 DUPONT ST
Facility City:	QUEENS
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

RCRA-NonGen:

Date form received by agency:	02/27/1998
Facility name:	CON ED - V 3283
Facility address:	55 DUPONT ST BROOKLYN, NY 112340000
EPA ID:	NYP004006656
Mailing address:	CONSOLIDATED EDISON INC 4 IRVING PL RM 300 NEW YORK, NY 100030000
Contact:	ANTHONY - DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC NEW YORK, NY 100030000
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	Unknown
Transporter of hazardous waste:	Unknown
Treater, storer or disposer of HW:	No
Underground injection activity:	Unknown
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	Unknown

CON ED - V 3283 (Continued) **1007206259**

Used oil processor:	Unknown
User oil refiner:	Unknown
Used oil fuel marketer to burner:	Unknown
Used oil Specification marketer:	Unknown
Used oil transfer facility:	Unknown
Used oil transporter:	Unknown
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency:	02/26/1998
Facility name:	CON ED - V 3283
Classification:	Large Quantity Generator
Violation Status:	No violations found

B11 **NY Spills** **S106004650**
SE **EAGLE ST/WEST ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.045 mi.
238 ft. **Site 2 of 3 in cluster B**

Relative:
Higher

Actual:
14 ft.

NY Spills:

Site ID:	289377
Facility Addr2:	Not reported
Facility ID:	0202869
Spill Number:	0202869
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JBVOUGHT
Referred To:	Not reported
Spill Date:	06/18/02
Reported to Dept:	06/18/02
CID:	281
Spill Cause:	Abandoned Drums
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/19/02
Remediation Phase:	0
Date Entered In Computer:	06/18/02
Spill Record Last Update:	06/21/02
Spiller Name:	Not reported
Spiller Company:	UNKOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	SABRINA LAMAR
Contact Phone:	(718) 595-6777
DEC Region:	2

(Continued) **S106004650**

Program Number:	0202869
DER Facility ID:	234332
Site ID:	289377
Operable Unit ID:	853715
Operable Unit:	01
Material ID:	520703
Material Code:	0015A
Material Name:	MOTOR OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0202869 Prior to Sept, 2004 data translation this spill Lead DEC Field was "VOUGHT" 6/19/2002-VOUGHT-Duplicate Spill report. See spill #0202873. This spill closed by Vought. END DECRemark - 0202869

Remarks: Start CallerRemark - 0202869 DEP RECEIVED REPORT FROM CITIZEN THAT AN UNKNOWN SUBJECT ABANDONED APPROX. 5 FIVE GALLON BUCKETS OF ABOVE MATERIAL AT ABOVE LOCATION. IT DOES APPEAR THAT SOME MATERIAL HAS SPILLED ONTO SOIL AT LOCATION. NO FURTHER INFORMATION AVAILABLE. END CallerRemark - 0202869

B12 **223 FRANKLIN ST** **AST** **U003388671**
SSE **223 FRANKLIN ST** **HIST AST** **N/A**
< 1/8 **BKLYN, NY 11222**
0.047 mi.
248 ft. **Site 3 of 3 in cluster B**

Relative:
Higher

Actual:
13 ft.

AST:

AST:

Region:	STATE
Facility Id:	2-278572
UTM X:	587982.82845
UTM Y:	4509794.35399
Expiration Date:	04/05/12
Renewal Date:	03/06/02
Total Capacity:	1500
Facility Type:	Not reported
Site Type Name:	Apartment Building/Office Building
Site Type Status:	Active
Mailing Company:	J&J REAL ESTATE PC
Mailing Title:	Not reported
Mailing Contact:	W. SOKOLOWSKI
Mailing Address:	66 EAGLE STREET
Mailing Address 2:	#3L
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	COOWNER
Owner Name:	WIESLAWA SOKOLOWSKI
Owner Address:	66 EAGLE STREET #3L
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222

223 FRANKLIN ST (Continued) **U003388671**

Owner Phone:	Not reported
Owner Company:	W.J. SOKOLOWSKI- A. WODKIEWICZ
Emergency Contact:	W SOKOLOWSKI
Emergency Phone:	Not reported
Operator:	W SOKOLOWSKI
Operator Phone:	Not reported
Owner City:	BROOKLYN
Owner Sub Type:	Private Resident
Program Type:	PBS

Tank Number:	001
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	08/07/05
Capacity Gallons:	1500
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Exempt Suction Piping
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

HIST AST:

PBS Number:	2-278572
SWIS Code:	6101
Operator:	W SOROLOWSKI
Facility Phone:	(718) 389-3007
Facility Addr2:	223 FRANKLIN ST
Facility Type:	PRIVATE RESIDENCE
Emergency:	W SOROLOWSKI
Emergency Tel:	(718) 389-3007
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported

223 FRANKLIN ST (Continued) **U003388671**

Owner Name:	J&J REAL ESTATE'PC
Owner Address:	70 EAGLE ST #3L
Owner City,St,Zip:	BKLYN, NY 11222
Federal ID:	Not reported
Owner Tel:	(718) 389-3007
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	H. SOROLOWSKI
Mailing Name:	J&J REAL ESTATE'PC
Mailing Address:	70 EAGLE ST #3L
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BKLYN, NY 11222
Mailing Telephone:	(718) 389-3007
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/15/1997
Expiration:	07/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False

223 FRANKLIN ST (Continued) **U003388671**

Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

C13 **LOT 72,TAXBLOCK 2487** **E DESIGNATION** **S108076710**
ENE **57 DUPONT STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.054 mi.
284 ft. **Site 1 of 8 in cluster C**

Relative:
Higher

Actual:
13 ft.

E DESIGNATION:

Tax Lot(s):	72
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1002
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6A/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	49 DUPONT REALTY CORP
Lot Area:	000012500
Total Building Floor Area:	00000014375
Commercial Floor Area:	00000014375
Office Floor Area:	00000001875
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000012500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001

LOT 72,TAXBLOCK 2487 (Continued) **S108076710**

Lot Frontage:	0125.00
Lot Depth:	0100.00
Building Frontage:	0125.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000062100
Total Assessed Value:	00000229050
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.15
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024870072
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995949
Y Coordinate:	0207358
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

14
North
< 1/8
0.054 mi.
287 ft.

LOT 100,TAXBLOCK 2472 **E DESIGNATION** **S108076208**
37 COMMERCIAL STREET **N/A**
BROOKLYN, NY 11222

Relative:
Lower

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	100
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK

LOT 100,TAXBLOCK 2472 (Continued) **S108076208**

Community District:	301
Census Tract:	577
Census Block:	1000
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R8
Zone District 2:	R6
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	LUMBER EXCHANGE TERMI
Lot Area:	000309675
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0652.50
Lot Depth:	0467.50
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00001144376
Total Assessed Value:	00001153376
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	06.02
Borough Code:	3

LOT 100,TAXBLOCK 2472 (Continued) **S108076208**

Borough Tax Block And Lot:	3024720100
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0995569
Y Coordinate:	0207766
Zoning Map:	12C
Sanborn Map:	304 009
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	100
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1000
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R8
Zone District 2:	R6
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	LUMBER EXCHANGE TERMI
Lot Area:	000309675
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000

LOT 100,TAXBLOCK 2472 (Continued) **S108076208**

Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0652.50
Lot Depth:	0467.50
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00001144376
Total Assessed Value:	00001153376
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	06.02
Borough Code:	3
Borough Tax Block And Lot:	3024720100
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0995569
Y Coordinate:	0207766
Zoning Map:	12C
Sanborn Map:	304 009
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

15 SW < 1/8 0.057 mi. 302 ft. | **LOT 1,TAXBLOCK 2494 31 EAGLE STREET BROOKLYN, NY 11222** | **E DESIGNATION** | **S108076156 N/A**

Relative: Lower

Actual: 11 ft.

E DESIGNATION:

Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1002
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R8
Zone District 2:	R6
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	OCEANIA TRADING&SHIPP
Lot Area:	000053300
Total Building Floor Area:	00000001250
Commercial Floor Area:	00000001250
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000001250
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00002
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0100.00
Lot Depth:	0295.00
Building Frontage:	0025.00
Building Depth:	0050.00
Proximity Code:	0

LOT 1,TAXBLOCK 2494 (Continued) **S108076156**

Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000335700
Total Assessed Value:	00000355950
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1935
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.02
Maximum Allowable Far:	06.02
Borough Code:	3
Borough Tax Block And Lot:	3024940001
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0995393
Y Coordinate:	0207035
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1002
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R8
Zone District 2:	R6
Commercial Overlay1:	C2-4

LOT 1,TAXBLOCK 2494 (Continued) **S108076156**

Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	OCEANIA TRADING&SHIPP
Lot Area:	000053300
Total Building Floor Area:	00000001250
Commercial Floor Area:	00000001250
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000001250
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00002
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0100.00
Lot Depth:	0295.00
Building Frontage:	0025.00
Building Depth:	0050.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000335700
Total Assessed Value:	00000355950
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1935
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.02
Maximum Allowable Far:	06.02
Borough Code:	3
Borough Tax Block And Lot:	3024940001
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0995393
Y Coordinate:	0207035
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006

LOT 1,TAXBLOCK 2494 (Continued) **S108076156**

Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

16
ESE
< 1/8
0.063 mi.
335 ft.

RESIDENCE
87 EAGLE STREET
BROOKLYN, NY

NY Spills **S104509277**
NY Hist Spills **N/A**

Relative:
Higher

Actual:
14 ft.

NY Spills:

Site ID:	300262
Facility Addr2:	Not reported
Facility ID:	9912150
Spill Number:	9912150
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SMSANGES
Referred To:	Not reported
Spill Date:	01/20/00
Reported to Dept:	01/20/00
CID:	389
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	02/14/03
Remediation Phase:	0
Date Entered In Computer:	01/20/00
Spill Record Last Update:	02/14/03
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9912150
DER Facility ID:	242888
Site ID:	300262
Operable Unit ID:	1090851
Operable Unit:	01
Material ID:	294045
Material Code:	0064A

RESIDENCE (Continued) **S104509277**

Material Name: UNKNOWN MATERIAL
Case No.: Not reported
Material FA: Other
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Air
Oxygenate: False
DEC Memo: Start DECRemark - 9912150 Prior to Sept, 2004 data translation this spill Lead DEC Field was "SANGESLAND" ADMINISTRATIVE CLOSURE - AUSTIN END DECRemark - 9912150
Remarks: Start CallerRemark - 9912150 caller reporting an odor in the residence that may possibly be from an auto body shop next door caller states it smells like solvents fire department is on the scene and are trying to locate the smell call back necessary for more info if needed END CallerRemark - 9912150

NY Hist Spills:
Region of Spill: 2
Spill Number: 9912150
Investigator: SANGESLAND
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 01/20/2000 20:00
Reported to Dept Date/Time: 01/20/00 21:43
SWIS: 61
Spiller Name: UNK
Spiller Contact: UNK\\
Spiller Phone: ( ) -
Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Address: UNK
Spiller City,St,Zip: UNK, UN
Spill Cause: Unknown
Reported to Dept: Air
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 01/20/00
Date Spill Entered In Computer Data File: Not reported

RESIDENCE (Continued) **S104509277**

Update Date:	02/18/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Raw Sewage
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN MATERIAL
Class Type:	UNKNOWN MATERIAL
Times Material Entry In File:	9140
CAS Number:	Not reported
Last Date:	19941109
DEC Remarks:	Not reported
Remark:	caller reporting an odor in the residence that may possibly be from an auto body shop next door caller states it smells like solvents fire department is on the scene and are trying to locate the smell call back necessary for more info if needed

---

17
West
< 1/8
0.065 mi.
341 ft.

DUPONT ST/COMMERCIAL ST **NY Spills** **S102239933**
DUPONT ST / COMMERCIAL ST **NY Hist Spills** **N/A**
GREENPOINT, NY

Relative:
Lower

Actual:
10 ft.

NY Spills:

Site ID:	224483
Facility Addr2:	GREENPOINT
Facility ID:	9601825
Spill Number:	9601825
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	MMMULQUE
Referred To:	Not reported
Spill Date:	05/06/96
Reported to Dept:	05/06/96
CID:	312
Spill Cause:	Deliberate
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	DEC
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/31/97
Remediation Phase:	0
Date Entered In Computer:	05/06/96

DUPONT ST/COMMERCIAL ST (Continued) **S102239933**

Spill Record Last Update:	03/23/04
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9601825
DER Facility ID:	185536
Site ID:	224483
Operable Unit ID:	1033381
Operable Unit:	01
Material ID:	351629
Material Code:	0013
Material Name:	Lube Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9601825 Prior to Sept, 2004 data translation this spill Lead DEC Field was "MULQUEEN" DEP HANDLING DRUM REMOVAL. END DECRemark - 9601825
Remarks:	Start CallerRemark - 9601825 55 gallon drum of heavy lube grease in roadway - no lbaels - drum on side with no cover - ref to nic dep END CallerRemark - 9601825

NY Hist Spills:

Region of Spill:	2
Spill Number:	9601825
Investigator:	MULQUEEN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/06/1996 16:15
Reported to Dept Date/Time:	05/06/96 16:11
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	UNKNOWN
Spiller Phone:	Not reported
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN
Spill Cause:	Deliberate
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	DEC
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False

DUPONT ST/COMMERCIAL ST (Continued) **S102239933**

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/31/97
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 05/06/96
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/06/98
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 55
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: LUBE OIL
Class Type: LUBE OIL
Times Material Entry In File: 295
CAS Number: Not reported
Last Date: 19940728
Material: LUBRICATING OIL
Class Type: LUBRICATING OIL
Times Material Entry In File: 292
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: DEP HANDLING DRUM REMOVAL.
Remark: 55 gallon drum of heavy lube grease in roadway - no lbaels - drum on side with no cover - ref to nic dep

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C18 **VAULT 852** **NY Spills** **S104786915**
ENE **10-20 CLAY ST** **NY Hist Spills** **N/A**
< 1/8 **BROOKLYN, NY**
0.065 mi.
343 ft. **Site 2 of 8 in cluster C**

Relative:
Higher

Actual:
14 ft.

NY Spills:
Site ID: 149993
Facility Addr2: Not reported
Facility ID: 0004127
Spill Number: 0004127
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: JHOCONNE
Referred To: Not reported
Spill Date: 07/06/00

VAULT 852 (Continued) **S104786915**

Reported to Dept:	07/06/00
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/17/01
Remediation Phase:	0
Date Entered In Computer:	07/06/00
Spill Record Last Update:	10/17/01
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	STEVEN ROMERO
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0004127
DER Facility ID:	127562
Site ID:	149993
Operable Unit ID:	825357
Operable Unit:	01
Material ID:	548874
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0004127 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Con Ed e2mis Notes: 7/6/00 1qt unknown oil on 500gal water in vault 852. To perform presure test and check oil level. Records show 0ppm andtransformer was installed in 1992. Pressure tested and found OK. Oil level is OK. Sample returned <1ppm PCB. 7/21/00 Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Sump found cemented. END DECRemark - 0004127
Remarks:	Start CallerRemark - 0004127 1 QUART ON 500 GALLONS. CLEAN UP PENDING. CON ED# 132210 MAY HAVE BEEN DUMPED IN THERE BY SUBSTANCE ON GRATING. END CallerRemark - 0004127

NY Hist Spills:

Region of Spill:	2
Spill Number:	0004127
Investigator:	O'CONNELL
Caller Name:	Not reported

VAULT 852 (Continued) **S104786915**

Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/06/2000 09:30
Reported to Dept Date/Time:	07/06/00 10:34
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	STEVEN ROMERO
Spiller Phone:	(212) 580-6763
Spiller Address:	Not reported
Spiller City,St,Zip:	-
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/17/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/06/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	10/17/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Con Ed e2mis Notes: 7/6/00 1qt unknown oil on 500gal water in vault 852. To perform presure test and check oil level. Records show 0ppm and transformer

VAULT 852 (Continued) **S104786915**

was installed in 1992. Pressure tested and found OK. Oil level is OK. Sample returned <1ppm PCB. 7/21/00 Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Sump found cemented.

Remark: 1 QUART ON 500 GALLONS. CLEAN UP PENDING. CON ED 132210 MAY HAVE BEEN DUMPED IN THERE BY SUBSTANCE ON GRATING.

C19 **LOT 21,TAXBLOCK 2487** **E DESIGNATION** **S108076391**
ENE **32 CLAY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.065 mi.
343 ft. **Site 3 of 8 in cluster C**

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:

Tax Lot(s):	21
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1002
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6A/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	49 DOPONT RLTY CORP
Lot Area:	000005500
Total Building Floor Area:	00000005500
Commercial Floor Area:	00000005500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000005500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001

LOT 21,TAXBLOCK 2487 (Continued) **S108076391**

Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0055.00
Lot Depth:	0100.00
Building Frontage:	0055.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000027405
Total Assessed Value:	00000087300
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024870021
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0996153
Y Coordinate:	0207484
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

C20 **LOT 18,TAXBLOCK 2487** **E DESIGNATION** **S108076344**
ENE **26 CLAY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.065 mi.
343 ft. **Site 4 of 8 in cluster C**

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:

Tax Lot(s):	18
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b

LOT 18,TAXBLOCK 2487 (Continued) **S108076344**

Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1002
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6A/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	49 DOPONT RLTY CORP
Lot Area:	000005000
Total Building Floor Area:	00000005000
Commercial Floor Area:	00000005000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000005000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0050.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000024615
Total Assessed Value:	00000081450
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1951
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported

LOT 18,TAXBLOCK 2487 (Continued) **S108076344**

Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024870018
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0996076
Y Coordinate:	0207475
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

C21 **VS 1106** **NY Spills** **S104787605**
ENE **2-20 CLAY ST** **NY Hist Spills** **N/A**
< 1/8 **BROOKLYN, NY**
0.065 mi.
343 ft. **Site 5 of 8 in cluster C**

Relative:
Higher

Actual:
14 ft.

NY Spills:

Site ID:	84586
Facility Addr2:	Not reported
Facility ID:	0004920
Spill Number:	0004920
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	07/25/00
Reported to Dept:	07/25/00
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/23/01
Remediation Phase:	0
Date Entered In Computer:	07/25/00
Spill Record Last Update:	10/23/01
Spiller Name:	Not reported
Spiller Company:	UNKNOWN

VS 1106 (Continued) **S104787605**

Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	STEVE ROMERO
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0004920
DER Facility ID:	77784
Site ID:	84586
Operable Unit ID:	827349
Operable Unit:	01
Material ID:	549655
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0004920 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Con Ed e2mis Notes: 7/25/00 1 pint unknown oil on 20gal water in vault. Unit holds pressure. Historical records indicate 6ppm PCB. 2 samples taken. Aroclor 1260, 15ppm clay and commercial. Aroclor 1260, 7ppm clay. 7/31/00 Cleanup completed by double washing with slix. Liquid waste removed by tanker, solids by vactor. No leaking equipment. Found cement sump. END DECRemark - 0004920
Remarks:	Start CallerRemark - 0004920 1 PINT ON 20GALS OF WATER CLEANUP PENDING TEST RESULTS REF #132546 END CallerRemark - 0004920

NY Hist Spills:

Region of Spill:	2
Spill Number:	0004920
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/25/2000 10:20
Reported to Dept Date/Time:	07/25/00 10:50
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	STEVE ROMERO
Spiller Phone:	(212) 580-6763
Spiller Address:	Not reported
Spiller City,St,Zip:	-
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons

VS 1106 (Continued) **S104787605**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/23/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/25/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/23/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Con Ed e2mis Notes: 7/25/00 1 pint unknown oil on 20gal water in vault. Unit holds pressure. Historical records indicate 6ppm PCB. 2 samples taken. Aroclor 1260, 15ppm clay and commercial. Aroclor 1260, 7ppm clay. 7/31/00 Cleanup completed by double washing with slix. Liquid waste removed by tanker, solids by vactor. No leaking equipment. Found cement sump.
Remark: 1 PINT ON 20GALS OF WATER CLEANUP PENDING TEST RESULTS REF 132546

C22 **LOT 17,TAXBLOCK 2487** **E DESIGNATION** **S108076331**
ENE **22 CLAY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.065 mi.
343 ft. **Site 6 of 8 in cluster C**

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:
Tax Lot(s): 17
E-No: E-138
Effective Date: 5/11/2005
Satisfaction Date: Not reported
Ceqr Number: 04DCP003K
Ulurp Number: 050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No: 12c, 12d, 13a, 13b
Description: Underground Gasoline Storage Tanks* Testing Protocol

LOT 17,TAXBLOCK 2487 (Continued) **S108076331**

Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1002
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6A/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	49 DOPONT RLTY CORP
Lot Area:	000023000
Total Building Floor Area:	00000027360
Commercial Floor Area:	00000027360
Office Floor Area:	00000000000
Retail Floor Area:	00000004360
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000023000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00002
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0200.00
Building Frontage:	0130.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000113850
Total Assessed Value:	00000416700
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.19

LOT 17,TAXBLOCK 2487 (Continued) **S108076331**

Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024870017
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0996084
Y Coordinate:	0207399
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

C23 **LOT 20,TAXBLOCK 2487** **E DESIGNATION** **S108076377**
ENE **30 CLAY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.065 mi.
343 ft. **Site 7 of 8 in cluster C**

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:

Tax Lot(s):	20
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1002
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6A/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06

LOT 20,TAXBLOCK 2487 (Continued) **S108076377**

Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	49 DOPONT RLTY CORP
Lot Area:	000002500
Total Building Floor Area:	00000002500
Commercial Floor Area:	00000002500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000002500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000013950
Total Assessed Value:	00000041265
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024870020
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0996113
Y Coordinate:	0207480
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

C24 **V# 1109 & V# 852** **NY Spills** **S104510392**
ENE **20 CLAY ST** **NY Hist Spills** **N/A**
< 1/8 **BROOKLYN, NY**
0.065 mi.
343 ft. **Site 8 of 8 in cluster C**

Relative:
Higher

Actual:
14 ft.

NY Spills:

Site ID:	130347
Facility Addr2:	Not reported
Facility ID:	9913569
Spill Number:	9913569
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	03/01/00
Reported to Dept:	03/01/00
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/21/01
Remediation Phase:	0
Date Entered In Computer:	03/01/00
Spill Record Last Update:	12/21/01
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9913569
DER Facility ID:	112318
Site ID:	130347
Operable Unit ID:	1088107
Operable Unit:	01
Material ID:	295407
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9913569 Prior to Sept, 2004 data translation this spill Lead

V# 1109 & V# 852 (Continued) **S104510392**

DEC Field was "O'CONNELL" e2mis notes: Approx 1 pint of unknown oil on wet dirt (6" deep x 11' x 4') nothing freeflowing, disconnected sump pump, no oil visible in pump. Transformer pressure tested OK. Sees oil on grating covers possible someone pouring oil into adjacent structure. Adjacent transformer vault vs852 connected by weep hole which appears partially clogged. Sample taken. Lab results received ,1 ppmPCB, oil ID similar to cooking oil. 3/15/00: clean up completed. (JHO, 12/21/01) END DECRemark - 9913569

Remarks: Start CallerRemark - 9913569 CALLER REPORTING THAT SOMEONE SPILLED PRODUCT OVER A GRATE AND IT WENT INTO 2 VAULTS. 1 VAULT HAD APPROX 1 GAL AND THE 2ND HAD APPROX 1 QT. SAMPLES TO BE TAKEN SEPARATELY AND CLEAN UP PENDING THOSE RESULTS. PRESSURE TESTED TRANSFORMER AND THAT CHECKED OK. END CallerRemark - 9913569

NY Hist Spills:

Region of Spill:	2
Spill Number:	9913569
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/01/2000 12:00
Reported to Dept Date/Time:	03/01/00 12:52
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/21/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	03/01/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	12/21/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported

V# 1109 & V# 852 (Continued) **S104510392**

Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	e2mis notes: Approx 1 pint of unknown oil on wet dirt 6 deep x 11 x 4) nothing freeflowing, disconnected sump pump, no oil visible in pump. Transformer pressure tested OK. Sees oil on grating covers possible someone pouring oil into adjacentstructure. Adjacent transformer vault vs852 connected by weep hole which appears partially clogged. Sample taken. Lab results received ,1 ppm PCB, oil ID similar to cooking oil. 3/15/00: clean up completed. JHO, 12/21/01)
Remark:	CALLER REPORTING THAT SOMEONE SPILLED PRODUCT OVER A GRATE AND IT WENT INTO 2 VAULTS. 1 VAULT HAD APPROX 1 GAL AND THE 2ND HAD APPROX 1 QT. SAMPLES TO BE TAKEN SEPARATELY AND CLEAN UP PENDING THOSE RESULTS. PRESSURE TESTED TRANSFORMER AND THAT CHECKED OK.

D25 **LOT 10,TAXBLOCK 2487** **E DESIGNATION** **S108076197**
NNE **10 CLAY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.069 mi.
365 ft. **Site 1 of 8 in cluster D**

Relative:
Equal

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	10
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1002
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported

LOT 10,TAXBLOCK 2487 (Continued) **S108076197**

All Components1:	M1-2/R6A/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F1
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	49 DOPONT RLTY CORP
Lot Area:	000005000
Total Building Floor Area:	00000005000
Commercial Floor Area:	00000005000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000005000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0050.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000024660
Total Assessed Value:	00000080550
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024870010
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995876
Y Coordinate:	0207451
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005

LOT 10,TAXBLOCK 2487 (Continued) **S108076197**

Date of Base Map Data: 01/2006
Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

D26 **VAULT #VS2364,1109,852** **NY Spills** **S106007371**
NNE **10 CLAY ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.069 mi.
365 ft. **Site 2 of 8 in cluster D**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	71636
Facility Addr2:	Not reported
Facility ID:	0206016
Spill Number:	0206016
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	AERODRIG
Referred To:	Not reported
Spill Date:	09/10/02
Reported to Dept:	09/11/02
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/07/02
Remediation Phase:	0
Date Entered In Computer:	09/11/02
Spill Record Last Update:	11/07/02
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0206016
DER Facility ID:	67761
Site ID:	71636
Operable Unit ID:	858502
Operable Unit:	01
Material ID:	516632
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum

VAULT #VS2364,1109,852 (Continued) **S106007371**

Quantity: 1.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 0206016 Prior to Sept, 2004 data translation this spill Lead DEC Field was "RODRIGUEZ" E2MIS NOTES 144958 9/10/02 - 1120 D. LEE - 92703 - BQE, WHILE DOING INSPECTIONS, FOUND APPROX 1 PT OF AN UNKNOWN OIL ON APPROX 800 GALS OF WATER IN VS2364. MR. LEE ALSO FOUND THAT THE ADJACENT STRUCTURES (VS1109 & VS852) ALSO HAD THE SAME AMOUNTS OF WATER & OIL (1 PINT OIL BET ALL 3 STRUCTURE) IN THEM. THESE STRUCTURES ARE INTERCONNECTED WITH WEEP HOLES. SPILL IS CONTAINED TO STRUCTURES. NO MOVEMENT IN THE WATER. SEWERS & WATERWAYS DO NOT APPEAR TO BE AFFECTED. NO FIRE OR SMOKE INVOLVED. NO INJURIES RELATED TO SPILL. NO PRIVATE PROPERTY AFFECTED. CANNOT VERIFY IF THERE ARE ANY SEWER CONNECTIONS OR SUMPS. NO PARKING 0830 - 1000TUES & FRI. TAG # 08525 PLACED IN ALL THREE STRUCTURES. 3 PCB SAMPLES TAKEN. CHAIN OF CUSTODY FORM # CC05909 FILLED OUT AND MARKED 'E' (WITHIN 8 HRS) PRIORITY. CLEANUP PENDING LAB RESULTS. CIG SCHLAGEL NOTIFIED AT 1213 HRS. 10-SEP-2002 2035HRS THORNGREN EQUIPT GROUP REPORTS UNABLE TO PRESSURE TEST UNIT AT THIS TIME BECAUSE OF AMOUNT OF WATER IN VAULTS. THERE IS 800 GALLONS OF WATER IN EACH VAULT. AND ONE PINT UNKNOWN OIL COVERING THE 3 VAULTS. 9-10-02 2135 HRS CHEM LAB # 02-08433-001V2364 < 1PPM 02-08433-002 V1109 < 1 PPM 02-08433-003 V852 <1 PPM 9-10-02 23:30HRS JOB TAKEN OFF THE 24HR CLOCK DUE TO UNAVAILABILTY OF TANKER. 9-10-02 23:39HRS MR. MCARDLE OF CIG WAS NOTIFIED. UPDATE - 11-SEP-2002 11:55 HRS. NETWORKS DEPT. SPLICER D.LEE EMP# 92703 REPORTS: ASTORIA TANKER FIILED UP WHILE DRAINING LIQUID FROM STRUCTURE V-1109. CLEANUP WILL RESUME ON THE 3-11 SHIFT WITH ANOTHER TANKER. DUE TO HIGH WATER NO PRESSURE TESTING HAS BEEN DONE AT THIS TIME. UPDATE: 11-SEP-2002 1950 HRS SAL DANTONE ENVIROMENTAL OPS REPORTS VS852 WAS DOUBLE WASHED CLEANED VS2364 WAS ALSO DOUBLE WASHED AND CLEANED. VS1109 IS MAKING WATER THE TANKER TANKER FILLED UP AND THEY COULD NOT FINISH, TAG WAS LEFT IN PLACE. FOLLOW UP BY NETWORKS TO PRESSURE TEST. UPDATE 9-16-02 2000 HRS R. THORNGREN I&A NETWORK REPORTS HE PRESSURE TESTED ALL THREE TRANSF AND THEY PRESSURE TEST GOOD. HE SAID THERE WAS LESS THEN A FOOT OF WATER IN ONE OF THE STRUCTURE. UPDATE: 9/17/02 - 0445 W. ECKSTEIN - ENV. OPS., REPORTS ALL THREE STRUCTURES DOUBLE WASHED WITH BIO GEN 760. 3 SUMPS WERE CEMENTED. TAG # 08525 REMOVED FROM ALL THREE STRUCTURES. Update: 09-19-02 -13:00 hours- Cleanup completed by double washing structure with bulldog. Liquids were removed by tanker and solids were removed by vactor. No leaking company equipment. END DECRemark - 0206016
Remarks: Start CallerRemark - 0206016 1 pt on top of 2400 gallons of water. 3 interconnected vaults con ed#144958 transformer involved END CallerRemark - 0206016

D27 **LOT 1,TAXBLOCK 2482** **E DESIGNATION** **S108076155**
NNE **40 COMMERCIAL STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.074 mi.
389 ft. **Site 3 of 8 in cluster D**

Relative:
Equal

Actual:
12 ft.

E DESIGNATION:
Tax Lot(s): 1
E-No: E-138
Effective Date: 5/11/2005
Satisfaction Date: Not reported
Ceqr Number: 04DCP003K
Ulurp Number: 050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No: 12c, 12d, 13a, 13b

LOT 1,TAXBLOCK 2482 (Continued) **S108076155**

Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G7
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	PEREZ ROBERT P
Lot Area:	000001971
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0088.25
Lot Depth:	0044.67
Building Frontage:	0013.00
Building Depth:	0010.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000012510
Total Assessed Value:	00000012510
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported

LOT 1,TAXBLOCK 2482 (Continued) **S108076155**

Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024820001
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995916
Y Coordinate:	0207585
Zoning Map:	12C
Sanborn Map:	304 009
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D28 **LOT 12,TAXBLOCK 2487** **E DESIGNATION** **S108469763**
NNE **14 CLAY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.074 mi.
392 ft. **Site 4 of 8 in cluster D**

Relative:
Higher

Actual:
13 ft.

E DESIGNATION:

Tax Lot(s):	12
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1002
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6A/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F9

LOT 12,TAXBLOCK 2487 (Continued) **S108469763**

Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	49 DOPONT RLTY CORP
Lot Area:	000010000
Total Building Floor Area:	00000011400
Commercial Floor Area:	00000011400
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000011400
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00002
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0100.00
Lot Depth:	0100.00
Building Frontage:	0100.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000049500
Total Assessed Value:	00000180000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.14
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024870012
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995951
Y Coordinate:	0207460
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

29 SSE < 1/8 0.076 mi. 402 ft. | **PAT & DOMS BODY & FENDER REPAIR INC**
246 FRANKLIN ST
BROOKLYN, NY 11222 | **MANIFEST**
RCRA-NonGen | **1000100328**
NYD091584581

Relative: Equal

Actual: 12 ft.

NY MANIFEST:

Document ID:	NJA0840629
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900327
Trans1 Recv Date:	900327
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900327
Part A Recv Date:	900418
Part B Recv Date:	900410
Generator EPA ID:	NYD091584581
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD091584581
Facility Name:	PAT & DOMS BODY & FENDER REPAIR
Facility Address:	246 FRANKLIN ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	PAT & DOMS BODY & FENDER REPAIR
Mailing Contact:	ATTN: PAT
Mailing Address:	246 FRANKLIN ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-5540

PAT & DOMS BODY & FENDER REPAIR INC (Continued) **1000100328**

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	PAT & DOMS BODY & FENDER REPAIR INC
Facility address:	246 FRANKLIN ST BROOKLYN, NY 112221303
EPA ID:	NYD091584581
Mailing address:	FRANKLIN ST BROOKLYN, NY 11222
Contact:	-
Contact address:	FRANKLIN ST BROOKLYN, NY 11222
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency:	07/08/1999
Facility name:	PAT & DOMS BODY & FENDER REPAIR INC
Classification:	Not a generator, verified

Date form received by agency:	04/03/1989
Facility name:	PAT & DOMS BODY & FENDER REPAIR INC
Classification:	Small Quantity Generator

Violation Status: No violations found

D30 NE < 1/8 0.080 mi. 424 ft. | **STEVEN SUPPLY CO**
15 CLAY ST
BROOKLYN, NY

Site 5 of 8 in cluster D

NY Spills | **S102239121**
NY Hist Spills | **N/A**

Relative: Higher

Actual: 13 ft.

NY Spills:

Site ID:	153695
Facility Addr2:	Not reported
Facility ID:	9514630
Spill Number:	9514630
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	02/15/96
Reported to Dept:	02/15/96
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/29/96
Remediation Phase:	0
Date Entered In Computer:	02/15/96
Spill Record Last Update:	05/23/96
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	FELICIA KOSHON
Contact Phone:	(718) 398-5945
DEC Region:	2
Program Number:	9514630
DER Facility ID:	130377
Site ID:	153695
Operable Unit ID:	1029177
Operable Unit:	01
Material ID:	354758
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Air
Oxygenate:	False
Site ID:	153695

STEVEN SUPPLY CO (Continued) **S102239121**

Operable Unit ID: 1029177
Operable Unit: 01
Material ID: 354757
Material Code: 0001
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Air
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9514630 2ND OCCUANCE OF PETRO FUEMS INSIDE BUILDING END CallerRemark - 9514630

NY Hist Spills:
Region of Spill: 2
Spill Number: 9514630
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 02/15/1996 11:45
Reported to Dept Date/Time: 02/15/96 12:14
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: UNKNOWN
Spiller Phone: Not reported
Spiller Contact: FELICIA KOSHON
Spiller Phone: (718) 398-5945
Spiller Address: UNKNOWN
Spiller City,St,Zip: UNKNOWN
Spill Cause: Unknown
Reported to Dept: Air
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/29/96
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/15/96
Date Spill Entered In Computer Data File: Not reported

STEVEN SUPPLY CO (Continued) **S102239121**

Update Date:	05/23/96
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	PAGED ANTHONY SIGONA AT 12:30 - TRIED TO COVER UP THE HOLE - GASOLINE ODOR - PUT A CYLINDER BBLOCK OVER THE SEWER TRAP, ASKED THE TENANT TO GET THE LANDLORD TO INSTALL A PERMANENT CAP. INVESTIGATED NO FURTHER COMPLAINT.
Remark:	2ND OCCUANCE OF PETRO FUEMS INSIDE BUILDING

D31 **LOT 7,TAXBLOCK 2482** **E DESIGNATION** **S108469868**
NE **15 CLAY STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.080 mi.
424 ft. **Site 6 of 8 in cluster D**

Relative:
Higher

Actual:
13 ft.

E DESIGNATION:

Tax Lot(s):	7
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1001
School District:	14
City Council District:	33

LOT 7,TAXBLOCK 2482 (Continued) **S108469868**

Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	DAVRICH REALTY CORP
Lot Area:	000004229
Total Building Floor Area:	00000003650
Commercial Floor Area:	00000003650
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000003650
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0073.08
Building Frontage:	0050.00
Building Depth:	0073.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000025065
Total Assessed Value:	00000082350
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.86
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024820007
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0996022
Y Coordinate:	0207627

LOT 7,TAXBLOCK 2482 (Continued) **S108469868**

Zoning Map:	12C
Sanborn Map:	304 009
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D32 **15 CLAY ST** **NY Spills** **S102238961**
NE **15 CLAY ST** **NY Hist Spills** **N/A**
< 1/8 **BROOKLYN, NY**
0.080 mi.
424 ft. **Site 7 of 8 in cluster D**

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	153694
Facility Addr2:	Not reported
Facility ID:	9514002
Spill Number:	9514002
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	O'DOWD
Referred To:	Not reported
Spill Date:	01/26/96
Reported to Dept:	02/02/96
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	DEC
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/15/96
Remediation Phase:	0
Date Entered In Computer:	02/02/96
Spill Record Last Update:	03/04/96
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	FELICIA KOSHON
Contact Phone:	(718) 389-5945
DEC Region:	2
Program Number:	9514002

15 CLAY ST (Continued) **S102238961**

DER Facility ID:	130377
Site ID:	153694
Operable Unit ID:	1028441
Operable Unit:	01
Material ID:	357707
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Air
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9514002 ODOR THIS AFTERNOON, COMPLAINT TO DEP LAST FRIDAY-DEP CAME TO CHECK THE SEWERS 01/26/96. DON'T KNOW WHERE ODOR IS COMING FROM. BLDG DOES NOT USE OIL, 19 CLAY ST, NEXT DOOR DOES NOT USE OIL. ON THE OTHER SIDE OF PROPERTYUSED TO BE A GAS STATION. NUMBER ABOVE IS A BUSINESS, M-F, 8:30-4:30. END CallerRemark - 9514002

NY Hist Spills:

Region of Spill:	2
Spill Number:	9514002
Investigator:	O'DOWD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	01/26/1996 12:00
Reported to Dept Date/Time:	02/02/96 13:40
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Contact:	FELICIA KOSHON
Spiller Phone:	(718) 389-5945
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	DEC
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

15 CLAY ST (Continued) **S102238961**

Spill Closed Dt:	02/15/96
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/02/96
Date Spill Entered In Computer Data File:	Not reported
Update Date:	03/04/96
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Raw Sewage
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	UNKNOWN MATERIAL
Class Type:	UNKNOWN MATERIAL
Times Material Entry In File:	9140
CAS Number:	Not reported
Last Date:	19941109
DEC Remarks:	Not reported
Remark:	ODOR THIS AFTERNOON, COMPLAINT TO DEP LAST FRIDAY-DEP CAME TO CHECK THE SEWERS 01/26/96. DON T KNOW WHERE ODOR IS COMING FROM. BLDG DOES NOT USE OIL, 19 CLAY ST, NEXT DOOR DOES NOT USE OIL. ON THE OTHER SIDE OF PROPERTY USED TO BE A GAS STATION. NUMBER ABOVE IS A BUSINESS, M-F, 8:30-4:30.

33
NE
< 1/8
0.088 mi.
464 ft.

INTERFLO TECHNOLOGIES
19 CLAY STREET
BROOKLYN, NY 11222

FINDS **1000911977**
FTTS **NY0000374314**
MANIFEST
HIST FTTS
RCRA-NonGen

Relative:
Higher

Actual:
13 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

FTTS INSP:

Inspection Number:	Not reported
Region:	02
Inspection Date:	Not reported
Inspector:	A. LESCHINSKY, CD
Violation occurred:	No
Investigation Type:	EPCRA, Enforcement, SEE Conducted
Investigation Reason:	For Cause, Government
Legislation Code:	EPCRA
Facility Function:	Processor

NY MANIFEST:

Document ID:	NYB7434153
Manifest Status:	Completed copy
Trans1 State ID:	31124ME
Trans2 State ID:	9911688ME
Generator Ship Date:	951116
Trans1 Recv Date:	951116
Trans2 Recv Date:	951117
TSD Site Recv Date:	951120
Part A Recv Date:	951208
Part B Recv Date:	951207
Generator EPA ID:	NY0000374314
Trans1 EPA ID:	CTD982191942
Trans2 EPA ID:	CTD982191942
TSDF ID:	OHD980681571
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NY0000374314
Facility Name:	INTERFLO TECHNOLOGIES
Facility Address:	19 CLAY ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	INTERFLO TECHNOLOGIES
Mailing Contact:	ANDREW SOSNICK
Mailing Address:	19 CLAY ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-2860

Document ID:	NYB7260156
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	31124MA
Trans2 State ID:	0027402ME
Generator Ship Date:	960930
Trans1 Recv Date:	960930
Trans2 Recv Date:	961004
TSD Site Recv Date:	961009
Part A Recv Date:	Not reported
Part B Recv Date:	961107
Generator EPA ID:	NY0000374314
Trans1 EPA ID:	CTD982191942
Trans2 EPA ID:	CTD982191942
TSDF ID:	OHD980681571
Waste Code:	F001 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	130
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NY0000374314
Facility Name:	INTERFLO TECHNOLOGIES
Facility Address:	19 CLAY ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	INTERFLO TECHNOLOGIES
Mailing Contact:	ANDREW SOSNICK
Mailing Address:	19 CLAY ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-2860
Document ID:	NYB4866786
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	940830
Trans1 Recv Date:	940830
Trans2 Recv Date:	940902
TSD Site Recv Date:	940912
Part A Recv Date:	950309
Part B Recv Date:	950331
Generator EPA ID:	NY0000374314
Trans1 EPA ID:	OHD009865825
Trans2 EPA ID:	Not reported
TSDF ID:	GAD093380814
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00823
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NY0000374314
Facility Name:	INTERFLO TECHNOLOGIES
Facility Address:	19 CLAY ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	INTERFLO TECHNOLOGIES
Mailing Contact:	ANDREW SOSNICK
Mailing Address:	19 CLAY ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-2860

HIST FTTS INSP:

Inspection Number:	19941118E2002 2
Region:	02
Inspection Date:	Not reported
Inspector:	A. LESCHINSKY, CD
Violation occurred:	No
Investigation Type:	EPCRA, Enforcement, SEE Conducted
Investigation Reason:	For Cause, Government
Legislation Code:	EPCRA
Facility Function:	Processor

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	INTERFLO TECHNOLOGIES
Facility address:	19 CLAY ST BROOKLYN, NY 112221003
EPA ID:	NY0000374314
Mailing address:	CLAY ST BROOKLYN, NY 112221003
Contact:	-
Contact address:	CLAY ST

INTERFLO TECHNOLOGIES (Continued) **1000911977**

BROOKLYN, NY 112221003
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 06/20/1997
Facility name: INTERFLO TECHNOLOGIES
Classification: Not a generator, verified

Date form received by agency: 07/07/1994
Facility name: INTERFLO TECHNOLOGIES
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/02/1994
Date achieved compliance: 05/05/1995

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 06/02/1994
Date achieved compliance: 05/05/1995
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/02/1994
Date achieved compliance: 07/25/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Corrective Action for SWMUs
Date violation determined: 06/02/1994
Date achieved compliance: 08/01/1995
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 06/02/1994
Date achieved compliance: 11/15/1994
Violation lead agency: EPA

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 06/02/1994
Date achieved compliance: 05/05/1995
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/02/1994
Date achieved compliance: 07/24/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/02/1994
Date achieved compliance: 05/05/1995
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/02/1994
Date achieved compliance: 05/05/1995
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 06/02/1994
Date achieved compliance: 07/25/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - Manifest and Recordkeeping
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 06/02/1994
Date achieved compliance: 05/05/1995
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 06/02/1994
Date achieved compliance: 05/05/1995
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/01/1995
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/05/1995
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/05/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 07/25/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - Manifest and Recordkeeping
Date achieved compliance: 08/30/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Corrective Action for SWMUs
Date achieved compliance: 08/01/1995
Evaluation lead agency: EPA

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 08/30/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/24/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 05/05/1995
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/30/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/05/1995
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 08/30/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 05/05/1995
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/05/1995
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 05/05/1995
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention

INTERFLO TECHNOLOGIES (Continued) **1000911977**

Date achieved compliance: 05/05/1995
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/30/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/25/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 08/30/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 08/30/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 11/15/1994
Evaluation lead agency: EPA

Evaluation date: 06/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 05/05/1995
Evaluation lead agency: EPA

Evaluation date: 06/02/1994
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

D34 **LOT 4,TAXBLOCK 2482** **E DESIGNATION** **S108469835**
NNE **48 COMMERCIAL STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.090 mi.
475 ft. **Site 8 of 8 in cluster D**

Relative:
Equal

Actual:
12 ft.

E DESIGNATION:
Tax Lot(s): 4
E-No: E-138
Effective Date: 5/11/2005
Satisfaction Date: Not reported
Ceqr Number: 04DCP003K
Ulurp Number: 050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK

LOT 4,TAXBLOCK 2482 (Continued) **S108469835**

Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G7
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	PEREZ ROBERT P
Lot Area:	000001627
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0031.00
Lot Depth:	0044.67
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000010035
Total Assessed Value:	00000010035
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported

LOT 4,TAXBLOCK 2482 (Continued) **S108469835**

Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024820004
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995960
Y Coordinate:	0207602
Zoning Map:	12C
Sanborn Map:	304 009
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

E35
South
< 1/8
0.090 mi.
477 ft.

LOT 11,TAXBLOCK 2511 **E DESIGNATION** **S108469759**
66 FREEMAN STREET **N/A**
BROOKLYN, NY 11222

Site 1 of 2 in cluster E

Relative:
Lower

Actual:
10 ft.

E DESIGNATION:

Tax Lot(s):	11
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	4001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R6B
Zone District 2:	Not reported
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R6B
All Components2:	Not reported
Split Boundary Indicator:	N

LOT 11,TAXBLOCK 2511 (Continued) **S108469759**

Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	JERRY STANKOWSKI
Lot Area:	000002500
Total Building Floor Area:	00000002500
Commercial Floor Area:	00000002500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000002500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0050.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000014805
Total Assessed Value:	00000055800
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1991
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3025110011
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995520
Y Coordinate:	0206655
Zoning Map:	12C
Sanborn Map:	304 037
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005

LOT 11,TAXBLOCK 2511 (Continued) **S108469759**

Pluto-Base Map Indicator:	1
Tax Lot(s):	11
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	4001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R6B
Zone District 2:	Not reported
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R6B
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	JERRY STANKOWSKI
Lot Area:	000002500
Total Building Floor Area:	00000002500
Commercial Floor Area:	00000002500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000002500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0050.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5

LOT 11,TAXBLOCK 2511 (Continued) **S108469759**

Land Assessed Value:	00000014805
Total Assessed Value:	00000055800
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1991
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3025110011
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995520
Y Coordinate:	0206655
Zoning Map:	12C
Sanborn Map:	304 037
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

E36
SSW
< 1/8
0.105 mi.
554 ft.

LOT 14,TAXBLOCK 2511 **E DESIGNATION** **S108076283**
72 FREEMAN STREET **N/A**
BROOKLYN, NY 11222

Site 2 of 2 in cluster E

Relative:
Lower

Actual:
9 ft.

E DESIGNATION:

Tax Lot(s):	14
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	4001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094

LOT 14,TAXBLOCK 2511 (Continued) **S108076283**

Zone District 1:	R6B
Zone District 2:	Not reported
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R6B
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	68 REALTY CORP
Lot Area:	000002500
Total Building Floor Area:	00000002500
Commercial Floor Area:	00000002500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000002500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000013950
Total Assessed Value:	00000040365
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1928
Year Built Code:	Not reported
Year Altered1:	1988
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3025110014
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995597
Y Coordinate:	0206667
Zoning Map:	12C
Sanborn Map:	304 037
Tax Map:	30901

LOT 14,TAXBLOCK 2511 (Continued) **S108076283**

E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	14
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	4001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R6B
Zone District 2:	Not reported
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R6B
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	68 REALTY CORP
Lot Area:	000002500
Total Building Floor Area:	00000002500
Commercial Floor Area:	00000002500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000002500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000

LOT 14,TAXBLOCK 2511 (Continued) **S108076283**

Non and Residential Units:	00001
Lot Frontage:	0025.00
Lot Depth:	0100.00
Building Frontage:	0025.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000013950
Total Assessed Value:	00000040365
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1928
Year Built Code:	Not reported
Year Altered1:	1988
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3025110014
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995597
Y Coordinate:	0206667
Zoning Map:	12C
Sanborn Map:	304 037
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F37 **LOT 8,TAXBLOCK 2482** **E DESIGNATION** **S108469877**
NNE **56 COMMERCIAL STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.108 mi.
568 ft. **Site 1 of 5 in cluster F**

Relative:
Equal

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	8
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported

LOT 8,TAXBLOCK 2482 (Continued) **S108469877**

Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	Z9
Land Use Category:	Not reported
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	STEVEN SUPPLY CO
Lot Area:	000002779
Total Building Floor Area:	00000000100
Commercial Floor Area:	00000000100
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000100
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0050.08
Lot Depth:	0049.17
Building Frontage:	0010.00
Building Depth:	0010.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000017550
Total Assessed Value:	00000020250
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.04
Maximum Allowable Far:	03.00

LOT 8,TAXBLOCK 2482 (Continued) **S108469877**

Borough Code:	3
Borough Tax Block And Lot:	3024820008
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0996061
Y Coordinate:	0207674
Zoning Map:	12C
Sanborn Map:	304 009
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

38
NE
< 1/8
0.109 mi.
575 ft.

LOT 53,TAXBLOCK 2482 **E DESIGNATION** **S108076663**
29 CLAY STREET **N/A**
BROOKLYN, NY 11222

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:

Tax Lot(s):	53
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	1001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6/MX-8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0

LOT 53,TAXBLOCK 2482 (Continued) **S108076663**

Owner, Type of Code:	Not reported
Owner Name:	NICOLE ASSOCIATES LLC
Lot Area:	000009270
Total Building Floor Area:	00000009500
Commercial Floor Area:	00000009500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000009500
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00002
Lot Frontage:	0105.50
Lot Depth:	0075.67
Building Frontage:	0105.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000054900
Total Assessed Value:	00000158400
Land Exempt Value:	00000000000
Total Exempt Value:	00000075250
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.02
Maximum Allowable Far:	03.00
Borough Code:	3
Borough Tax Block And Lot:	3024820053
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0996211
Y Coordinate:	0207653
Zoning Map:	12C
Sanborn Map:	304 009
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F39 **MANHOLE 4284** **NY Spills** **S103936545**
NE **COMMERCIAL / BOX STREETS** **NY Hist Spills** **N/A**
< 1/8 **BROOKLYN, NY**
0.113 mi.
598 ft. **Site 2 of 5 in cluster F**

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	222643
Facility Addr2:	Not reported
Facility ID:	9900877
Spill Number:	9900877
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	04/23/99
Reported to Dept:	04/23/99
CID:	205
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/13/02
Remediation Phase:	0
Date Entered In Computer:	04/23/99
Spill Record Last Update:	06/13/02
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9900877
DER Facility ID:	67173
Site ID:	222643
Operable Unit ID:	1079644
Operable Unit:	01
Material ID:	307994
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Sewer
Oxygenate:	False
DEC Memo:	Start DECRemark - 9900877 Prior to Sept, 2004 data translation this spill Lead

MANHOLE 4284 (Continued) **S103936545**

DEC Field was "O'CONNELL" CON ED E2MIS NOTES 4-23-99 3 gals. of unknown oil on 200 gals. of water in MH4284. Spill is contained, no sewers or waterways affected. Unable to see if there are any othe oil filled equipment in hole at this time due to amountof water. 1 liquid sample taken on a 4-6 hr. turnaround. Tag # 00999 was placed. Lab Seq# 99-04168 35 ppm Update 4-24-99 K. Hufford reports that structure requires a steam &soda blast. Also found swollen secondary crab. Emergency Bureau sent to investigate. 13:00hrs. Cleanup reported complete and tag removed. END DECRemark - 9900877

Remarks: Start CallerRemark - 9900877 3 GALLONS ON 300 GALLONS WATER. CON ED #124397. END CallerRemark - 9900877

NY Hist Spills:

Region of Spill:	2
Spill Number:	9900877
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/23/1999 08:00
Reported to Dept Date/Time:	04/23/99 08:56
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	04/23/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	07/17/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported

MANHOLE 4284 (Continued) **S103936545**

Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	3
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	CON ED E2MIS NOTES 4-23-99 3 gals. of unknown oil on 200 gals. of water in MH4284. Spill is contained, no sewers or waterways affected. Unable to see if there are any othe oil filled equipment in hole at this time due to amountof water. 1 liquid sample taken on a 4-6 hr. turnaround. Tag 00999 was placed. Lab Seq 99-04168 35 ppm Update 4-24-99 K. Hufford reports that structure requires a steam soda blast. Also found swollen secondary crab. Emergency Bureau sent to investigate. 13:00hrs. Cleanup reported complete and tag removed.
Remark:	3 GALLONS ON 300 GALLONS WATER. CON ED 124397.

40
SSW
< 1/8
0.114 mi.
600 ft.

LOT 12,TAXBLOCK 2511
68 FREEMAN STREET
BROOKLYN, NY 11222

E DESIGNATION **S108076245**
N/A

Relative:
Lower

Actual:
9 ft.

E DESIGNATION:

Tax Lot(s):	12
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	4001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R6B
Zone District 2:	Not reported
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R6B
All Components2:	Not reported

LOT 12,TAXBLOCK 2511 (Continued) **S108076245**

Split Boundary Indicator:	N
Building Class:	F4
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	68 REALTY CORP
Lot Area:	000005000
Total Building Floor Area:	00000005000
Commercial Floor Area:	00000005000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000005000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0050.00
Building Depth:	0100.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000024840
Total Assessed Value:	00000073350
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1955
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.00
Borough Code:	3
Borough Tax Block And Lot:	3025110012
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995562
Y Coordinate:	0206628
Zoning Map:	12C
Sanborn Map:	304 037
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005

LOT 12,TAXBLOCK 2511 (Continued) **S108076245**

Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

G41
SW
< 1/8
0.115 mi.
609 ft.

LOT 32,TAXBLOCK 2472
219 WEST STREET
BROOKLYN, NY 11222

E DESIGNATION **S108076527**
N/A

Site 1 of 9 in cluster G

Relative:
Lower

Actual:
9 ft.

E DESIGNATION:

Tax Lot(s):	32
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1000
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R6
Zone District 2:	R8
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R6
All Components2:	R8
Split Boundary Indicator:	Y
Building Class:	G7
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	DEPARTMENT OF BUSINES
Lot Area:	000340420
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0155.00

LOT 32,TAXBLOCK 2472 (Continued) **S108076527**

Lot Depth:	0434.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00001165500
Total Assessed Value:	00001165500
Land Exempt Value:	00001165500
Total Exempt Value:	00001165500
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	02.43
Borough Code:	3
Borough Tax Block And Lot:	3024720032
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	Not reported
Y Coordinate:	Not reported
Zoning Map:	Not reported
Sanborn Map:	304 008
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	32
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1000
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30

LOT 32,TAXBLOCK 2472 (Continued) **S108076527**

Police Precinct:	094
Zone District 1:	R6
Zone District 2:	R8
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R6
All Components2:	R8
Split Boundary Indicator:	Y
Building Class:	G7
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	DEPARTMENT OF BUSINES
Lot Area:	000340420
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0155.00
Lot Depth:	0434.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00001165500
Total Assessed Value:	00001165500
Land Exempt Value:	00001165500
Total Exempt Value:	00001165500
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	02.43
Borough Code:	3
Borough Tax Block And Lot:	3024720032
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	Not reported
Y Coordinate:	Not reported
Zoning Map:	Not reported
Sanborn Map:	304 008

LOT 32,TAXBLOCK 2472 (Continued) **S108076527**

Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

G42
SW
< 1/8
0.117 mi.
618 ft.

Relative:
Lower

Actual:
9 ft.

LOT 1,TAXBLOCK 2543 **E DESIGNATION** **S108076168**
209 WEST STREET **N/A**
BROOKLYN, NY 11222

Site 2 of 9 in cluster G

E DESIGNATION:

Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1006
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R8
Zone District 2:	R6
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	E3
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	JAVA STREET REALTY IN
Lot Area:	000320155
Total Building Floor Area:	00000084800
Commercial Floor Area:	00000084800
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000

LOT 1,TAXBLOCK 2543 (Continued) **S108076168**

Storage Floor Area:	00000000000
Factory Floor Area:	00000084800
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00003
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0200.00
Lot Depth:	0510.00
Building Frontage:	0117.00
Building Depth:	0400.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000571500
Total Assessed Value:	00001305000
Land Exempt Value:	00000000000
Total Exempt Value:	00000547200
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.26
Maximum Allowable Far:	06.02
Borough Code:	3
Borough Tax Block And Lot:	3025430001
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0994665
Y Coordinate:	0205360
Zoning Map:	12C
Sanborn Map:	304 006
Tax Map:	30902
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation

LOT 1,TAXBLOCK 2543 (Continued) **S108076168**

Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1006
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R8
Zone District 2:	R6
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	R6
Split Boundary Indicator:	Y
Building Class:	E3
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	JAVA STREET REALTY IN
Lot Area:	000320155
Total Building Floor Area:	00000084800
Commercial Floor Area:	00000084800
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000084800
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00003
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0200.00
Lot Depth:	0510.00
Building Frontage:	0117.00
Building Depth:	0400.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000571500
Total Assessed Value:	00001305000
Land Exempt Value:	00000000000
Total Exempt Value:	00000547200
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.26

LOT 1,TAXBLOCK 2543 (Continued) **S108076168**

Maximum Allowable Far:	06.02
Borough Code:	3
Borough Tax Block And Lot:	3025430001
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0994665
Y Coordinate:	0205360
Zoning Map:	12C
Sanborn Map:	304 006
Tax Map:	30902
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

G43 **TM2815** **NY Spills** **S104652856**
SSW **55 FREEMAN ST** **NY Hist Spills** **N/A**
< 1/8 **BROOKLYN, NY**
0.117 mi.
619 ft. **Site 3 of 9 in cluster G**

Relative:
Lower

Actual:
9 ft.

NY Spills:

Site ID:	134624
Facility Addr2:	Not reported
Facility ID:	0002029
Spill Number:	0002029
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	05/17/00
Reported to Dept:	05/17/00
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/24/01
Remediation Phase:	0
Date Entered In Computer:	05/17/00
Spill Record Last Update:	11/07/01
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported

TM2815 (Continued) **S104652856**

Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	TONY LOPEZ
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0002029
DER Facility ID:	115670
Site ID:	134624
Operable Unit ID:	823954
Operable Unit:	01
Material ID:	550408
Material Code:	0015A
Material Name:	MOTOR OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0002029 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Con Ed e2mis #131461 Notes: 5-17-00 1 pint of what appears to be motor oil on 300gal water in transformer manhole. Transformer holds pressure and has good oil level. Sample returned <1ppm PCB. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Sump was sealed previously. END DECRemark - 0002029
Remarks:	Start CallerRemark - 0002029 1 PINT TOTAL CLEANUP PENDIG LABS CON ED # 131461 END CallerRemark - 0002029

NY Hist Spills:

Region of Spill:	2
Spill Number:	0002029
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/17/2000 14:30
Reported to Dept Date/Time:	05/17/00 16:23
SWIS:	61
Spiller Name:	Not reported
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Contact:	TONY LOPEZ
Spiller Phone:	(212) 580-6763
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported

TM2815 (Continued) **S104652856**

Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 09/24/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 05/17/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 11/07/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: MOTOR OIL
Class Type: MOTOR OIL
Times Material Entry In File: 508
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Con Ed e2mis 131461 Notes: 5-17-00 1 pint of what appears to be motor oil on 300gal water in transformer manhole. Transformer holds pressure and has good oil level. Sample returned <1ppm PCB. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Sump was sealed previously.
Remark: 1 PINT TOTAL CLEANUP PENDIG LABS CON ED 131461

G44 **TM # 2792** **NY Spills** **S104652858**
SSW **55 FREEMAN ST** **NY Hist Spills** **N/A**
< 1/8 **BROOKLYN, NY**
0.117 mi.
619 ft. **Site 4 of 9 in cluster G**

Relative:
Lower

Actual:
9 ft.

NY Spills:
Site ID: 134626
Facility Addr2: Not reported
Facility ID: 0002031
Spill Number: 0002031
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: JHOCONNE
Referred To: Not reported
Spill Date: 05/17/00

TM # 2792 (Continued) **S104652858**

Reported to Dept:	05/17/00
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/24/01
Remediation Phase:	0
Date Entered In Computer:	05/17/00
Spill Record Last Update:	11/07/01
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	MIKE CESARE
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0002031
DER Facility ID:	115670
Site ID:	134626
Operable Unit ID:	823648
Operable Unit:	01
Material ID:	571893
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	6.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0002031 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Con Ed e2mis #131466 Notes: 5-17-00 20gal unknown oil on 300gal water. Transformer holds pressure and oil level is good. Sample returned <1ppm PCB. Amount of oil in transformer is 6gal not 20gal. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Unable to seal sump due to heavy rain. END DECRemark - 0002031
Remarks:	Start CallerRemark - 0002031 CON # 131466 6 GALLONS OF OIL ON 300 GALLONS OF WATER SPILL IS CONFINED IN THE TM CLEAN UP PENDING LAB RESULTS END CallerRemark - 0002031

NY Hist Spills:

Region of Spill:	2
Spill Number:	0002031
Investigator:	O'CONNELL
Caller Name:	Not reported

TM # 2792 (Continued) **S104652858**

Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/17/2000 14:30
Reported to Dept Date/Time:	05/17/00 16:33
SWIS:	61
Spiller Name:	UNK
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Contact:	MIKE CESARE
Spiller Phone:	(212) 580-6763
Spiller Address:	UNK
Spiller City,St,Zip:	UNK
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/24/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	05/17/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	11/07/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	6
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929

DEC Remarks: Con Ed e2mis 131466 Notes: 5-17-00 20gal unknown oil on 300gal water. Transformer holds pressure and oil level is good. Sample returned <1ppm PCB.

TM # 2792 (Continued) **S104652858**

Amount of oil in transformer is 6gal not 20gal. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Unable to seal sump due to heavy rain.

Remark: CON 131466 6 GALLONS OF OIL ON 300 GALLONS OF WATER SPILL IS CONFINED IN THE TM CLEAN UP PENDING LAB RESULTS

G45 SSW < 1/8 0.117 mi. 619 ft. **EAGLE STREEET ASSOC.** **UST** **U001838009**
48 EAGLE STREET **HIST UST** **N/A**
BROOKLYN, NY 11222

Site 5 of 9 in cluster G

Relative: Lower

Actual: 9 ft.

UST:

UST:

Facility Id:	2-218669
Region:	STATE
Expiration Date:	10/15/97
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	EAGLE STREEET ASSOC.
Mailing Title:	Not reported
Mailing Contact:	NEIL DOLGIN
Mailing Address:	101 RICHRDSON ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11211
Mailing Phone No:	(718) 388-7700
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	101 RICHRDSON ST
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11211
Owner Phone:	(718) 388-7700
Owner Company:	EAGLE STREEET ASSOC.
Emergency Contact:	NEIL DOLGIN
Emergency Phone:	(718) 388-7700
Operator:	NEIL DOLGIN
Operator Phone:	(718) 388-7700
Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial
UTM X:	587899.00892
UTM Y:	4509793.72738
Site Type Name:	Unknown
Site Type Status:	Unregulated
Comments:	Not reported
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported

EAGLE STREEET ASSOC. (Continued) **U001838009**

Active Status:	Inactive
Install Date:	12/01/72
Capacity Gallons:	10000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Excavation/Trench Liner System
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Other
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	11/01/96

Tank Number:	002
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/72
Capacity Gallons:	6000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Excavation/Trench Liner System
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Other
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported

EAGLE STREEET ASSOC. (Continued) **U001838009**

Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	11/01/96

Tank Number:	003
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/72
Capacity Gallons:	10000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Excavation/Trench Liner System
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Other
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	11/01/96

HIST UST:

PBS Number:	2-218669
SPDES Number:	Not reported
Emergency Contact:	NEIL DOLGIN
Emergency Telephone:	(718) 388-7700
Operator:	NEIL DOLGIN
Operator Telephone:	(718) 388-7700
Owner Name:	EAGLE STREEET ASSOC.
Owner Address:	101 RICHRDSON ST
Owner City,St,Zip:	BROOKLYN, NY 11211
Owner Telephone:	(718) 388-7700
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	EAGLE STREEET ASSOC.
Mailing Address:	101 RICHRDSON ST

EAGLE STREEET ASSOC. (Continued) **U001838009**

Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11211
Mailing Contact:	NEIL DOLGIN
Mailing Telephone:	(718) 388-7700
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	48 EAGLE STREET
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	10/15/1997
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19721201
Capacity (gals):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/o access)
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

EAGLE STREEET ASSOC. (Continued) **U001838009**

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19721201
Capacity (gals):	6000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/o access)
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19721201
Capacity (gals):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/o access)
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

G46 SSW < 1/8 0.117 mi. 619 ft. | **TM 2792 55 FREEMAN ST BROOKLYN, NY** | **NY Spills** **NY Hist Spills** | **S104652857** **N/A**

Site 6 of 9 in cluster G

Relative: Lower

Actual: 9 ft.

NY Spills:

Site ID:	134625
Facility Addr2:	Not reported
Facility ID:	0002030
Spill Number:	0002030
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	05/17/00
Reported to Dept:	05/17/00
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/24/01
Remediation Phase:	0
Date Entered In Computer:	05/17/00
Spill Record Last Update:	11/07/01
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	MIKE CESARE
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0002030
DER Facility ID:	115670
Site ID:	134625
Operable Unit ID:	823647
Operable Unit:	01
Material ID:	550409
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0002030 Prior to Sept, 2004 data translation this spill Lead

TM 2792 (Continued) **S104652857**

DEC Field was "O'CONNELL" Con Ed e2mis #131464 Notes: 5-17-00 1 pint unknown oil on 400gal water in crab compartment of TM 2792. Sample returned <1ppm PCB. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Will follow up to seal sump when rain stops. END DECRemark - 0002030

Remarks: Start CallerRemark - 0002030 CON ED # 131464 APPROX 1 PINT ON 400 GALLONS OF WATER MATERIAL IS CONFINED IN THE CRAB COMPARTMENT OF THE TM CLEAN UP PENDING LAB RESULTS MEETS NEW DEC CON ED REQUIRMENTS FOR CONTACTS END CallerRemark - 0002030

NY Hist Spills:

Region of Spill:	2
Spill Number:	0002030
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/17/2000 14:30
Reported to Dept Date/Time:	05/17/00 16:28
SWIS:	61
Spiller Name:	UNK
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Contact:	MIKE CESARE
Spiller Phone:	(212) 580-6763
Spiller Address:	UNK
Spiller City,St,Zip:	UNK
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/24/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	05/17/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	11/07/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported

TM 2792 (Continued) **S104652857**

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Con Ed e2mis 131464 Notes: 5-17-00 1 pint unknown oil on 400gal water in crab compartment of TM 2792. Sample returned <1ppm PCB. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Will follow up to seal sump when rain stops.
Remark: CON ED 131464 APPROX 1 PINT ON 400 GALLONS OF WATER MATERIAL IS CONFINED IN THE CRAB COMPARTMENT OF THE TM CLEAN UP PENDING LAB RESULTS MEETS NEW DEC CON ED REQUIRMENTS FOR CONTACTS

G47 **TRANSFORMER VAULT TM0659** **NY Spills** **S106722379**
SW **FREEMAN ST/WEST ST** **N/A**
< 1/8 **BROOKLYN, NY**
0.119 mi.
629 ft. **Site 7 of 9 in cluster G**

Relative:
Lower

Actual:
9 ft.

NY Spills:
Site ID: 332817
Facility Addr2: Not reported
Facility ID: 0408159
Spill Number: 0408159
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: SKARAKHA
Referred To: Not reported
Spill Date: 10/22/04
Reported to Dept: 10/23/04
CID: 404
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/26/04
Remediation Phase: 0
Date Entered In Computer: 10/25/04
Spill Record Last Update: 10/26/04
Spiller Name: Not reported
Spiller Company: UNK
Spiller Address: Not reported

TRANSFORMER VAULT TM0659 (Continued) **S106722379**

Spiller City,St,Zip:	***UPDATE***, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0408159
DER Facility ID:	268044
Site ID:	332817
Operable Unit ID:	1095027
Operable Unit:	01
Material ID:	575183
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0408159 155932 10/22/04 13:25 HRS. G. ROSALIE #14570 FOUND APPROX. 2 GAL. UNKNOWN OIL ON TOP OF MUD ON FLOOR OF TM-0659 (FEEDER 6B57). SPILL APPEARS TO BE CONTAINED. NO SEWERS OR WATERWAYS APPEAR TO BE AFFECTED. ENV STOP TAG 42458 PLACED. LIQUID SAMPLE TAKEN ON "E" PRIORITY TURNAROUND. EQUIPMENT GROUP WILL NEED TO BE NOTIFIED TO PRESSURE TEST TRANSFORMER. CLEANUP PENDING PCB RESULTS. TRANSFORMER INFO FROM ECC WAREHOUSE Serial ID: P803350, MFG Code: GE, Manufacture Date: 11/29/1990, Installation Date: 01/01/1991. HISTORICAL PCB RESULTS FROM ECC WAREHOUSE: Sample Date: 11/29/1990, Received Date: 02/21/1994, Analysis Date: 08/05/1994, PCB: 9 PPM. UPDATE: 22-OCT-2004 1850HRS B THORNGREN NETWORKS REPORTS PRESSURE TEST TRANSFORMER AND IT PASSED. OIL LEVEL IS GOOD. Lab Sequence Number: 04-08678-001: PCBs < 1 ppm 10/23/04 13:00 HRS. -- A.GLODOWSKI OF BROOKLYN ENV OPS REPORTS THAT HE AND J.IOCCO SOLIDIFIED OIL WITH COAGULANT, REMOVED DEBRIS & LIQUID WITHVACTOR, AND DOUBLE WASHED STRUCTURE WITH BULLDOG. NO SUMP. ENV STOP TAG 42458 REMOVED. CLEANUP COMPLETE AS OF THIS TIME. END DECRemark - 0408159

Remarks: Start CallerRemark - 0408159 all contained to vault. ref # 155932. cleanup pending crews. samples have been taken. END CallerRemark - 0408159

G48 **LOT 1,TAXBLOCK 2503** **E DESIGNATION** **S108469743**
SW **198 WEST STREET** **N/A**
< 1/8 **BROOKLYN, NY 11222**
0.119 mi.
629 ft. **Site 8 of 9 in cluster G**

Relative:
Lower

Actual:
9 ft.

E DESIGNATION:

Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK

LOT 1,TAXBLOCK 2503 (Continued) **S108469743**

Community District:	301
Census Tract:	563
Census Block:	4000
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	M1-2/R6A
Zone District 2:	R6A
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	MX-8
Special Purpose District2:	Not reported
All Components1:	M1-2/R6A/MX-8
All Components2:	R6A
Split Boundary Indicator:	Y
Building Class:	F9
Land Use Category:	06
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	FREEMAN STREET PROPER
Lot Area:	000057775
Total Building Floor Area:	00000104200
Commercial Floor Area:	00000104200
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000104200
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00000
Non and Residential Units:	00003
Lot Frontage:	0200.00
Lot Depth:	0224.00
Building Frontage:	0200.00
Building Depth:	0200.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000264600
Total Assessed Value:	00001057500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	2002
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.80
Maximum Allowable Far:	03.00
Borough Code:	3

LOT 1,TAXBLOCK 2503 (Continued) **S108469743**

Borough Tax Block And Lot:	3025030001
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995447
Y Coordinate:	0206804
Zoning Map:	12C
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

G49
SW
< 1/8
0.119 mi.
629 ft.

MANHOLE 4273 **NY Spills** **S104651632**
FREEMAN ST / WEST ST **NY Hist Spills** **N/A**
BROOKLYN, NY

Site 9 of 9 in cluster G

Relative:
Lower

Actual:
9 ft.

NY Spills:

Site ID:	207671
Facility Addr2:	Not reported
Facility ID:	0000278
Spill Number:	0000278
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	04/06/00
Reported to Dept:	04/06/00
CID:	246
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/17/02
Remediation Phase:	0
Date Entered In Computer:	04/06/00
Spill Record Last Update:	01/23/02
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999

MANHOLE 4273 (Continued) **S104651632**

Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0000278
DER Facility ID:	172319
Site ID:	207671
Operable Unit ID:	821999
Operable Unit:	01
Material ID:	288532
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0000278 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Con Ed e2mis #130791 Notes: 4-6-00 1755hrs 1pt unknown oil on 3gal water in manhole 4273. Sample taken. 4-7-00 0217hrs LSN 00-03373 <1ppm PCB 4-8-00 Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. No sump. END DECRemark - 0000278
Remarks:	Start CallerRemark - 0000278 1 PT UNK OIL ON 3 GAL WATER CONTAINED IN MANHOLE. CLEANUP PENDING TEST RESULTS #130791 END CallerRemark - 0000278

NY Hist Spills:

Region of Spill:	2
Spill Number:	0000278
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/06/2000 17:45
Reported to Dept Date/Time:	04/06/00 18:06
SWIS:	61
Spiller Name:	UNK
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Contact:	CALLER
Spiller Phone:	(212) 580-6763
Spiller Address:	UNK
Spiller City,St,Zip:	UNK
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /

MANHOLE 4273 (Continued) **S104651632**

Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/06/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 04/07/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: 1 PT UNK OIL ON 3 GAL WATER CONTAINED IN MANHOLE. CLEANUP PENDING TEST RESULTS 130791

F50 **CROSSTOWN BUS DEPOT** **UST** **U003074390**
NE **65 COMMERCIAL ST** **AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11222** **HIST UST**
0.128 mi. **HIST AST**
675 ft. **Site 3 of 5 in cluster F**

Relative:
Equal

Actual:
12 ft.

UST:

UST:
Facility Id: 2-190306
Region: STATE
Expiration Date: 06/05/92
Renewal Date: 04/16/03
Total Capacity: 0
Facility Type: Not reported
Mailing Company: NYC TRANSIT AUTHORITY
Mailing Title: Not reported
Mailing Contact: Not reported
Mailing Address: 370 JAY ST ROOM 809
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip Code: 11201

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Mailing Phone No:	(718) 330-4581
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	370 JAY ST ROOM 809
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11201
Owner Phone:	(718) 330-4581
Owner Company:	NYC TRANSIT AUTHORITY
Emergency Contact:	NANCY WITTENBERG
Emergency Phone:	(718) 330-4581
Operator:	NYC TRANSIT AUTHORITY
Operator Phone:	(718) 240-3426
Owner City:	BROOKLYN
Owner Sub Type:	Not reported
UTM X:	588063.75429
UTM Y:	4510035.52326
Site Type Name:	Unknown
Site Type Status:	Unregulated
Comments:	Not reported
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Underground, vaulted, with access
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/47
Capacity Gallons:	5000
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Missing Code in Old Data - Must be fixed
Date Tested:	01/01/91
Next Test Date:	/ /
Date Tank Closed:	03/01/91

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Tank Number:	002
Tank Location Name:	Underground, vaulted, with access
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/47
Capacity Gallons:	5000
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Missing Code in Old Data - Must be fixed
Date Tested:	01/01/91
Next Test Date:	/ /
Date Tank Closed:	03/01/91

Tank Number:	003
Tank Location Name:	Underground, vaulted, with access
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/47
Capacity Gallons:	5000
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Missing Code in Old Data - Must be fixed
Date Tested:	01/01/91
Next Test Date:	/ /
Date Tank Closed:	03/01/91

Tank Number:	004
Tank Location Name:	Underground, vaulted, with access
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/47
Capacity Gallons:	1120
Material Name:	Lube Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Missing Code in Old Data - Must be fixed
Date Tested:	01/01/91
Next Test Date:	/ /
Date Tank Closed:	02/01/91

Tank Number:	006
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/47
Capacity Gallons:	550
Material Name:	Other

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Not reported
Spill Prevention:	Not reported
Tightness Test Method:	Missing Code in Old Data - Must be fixed
Date Tested:	01/01/91
Next Test Date:	/ /
Date Tank Closed:	01/01/91

AST:

AST:

Region:	STATE
Facility Id:	2-190306
UTM X:	588063.75429
UTM Y:	4510035.52326
Expiration Date:	06/05/92
Renewal Date:	04/16/03
Total Capacity:	0
Facility Type:	Not reported
Site Type Name:	Unknown
Site Type Status:	Unregulated
Mailing Company:	NYC TRANSIT AUTHORITY
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	370 JAY ST ROOM 809
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11201
Mailing Phone No:	(718) 330-4581
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	370 JAY ST ROOM 809
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11201
Owner Phone:	(718) 330-4581
Owner Company:	NYC TRANSIT AUTHORITY
Emergency Contact:	NANCY WITTENBERG

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Emergency Phone:	(718) 330-4581
Operator:	NYC TRANSIT AUTHORITY
Operator Phone:	(718) 240-3426
Owner City:	BROOKLYN
Owner Sub Type:	Not reported
Program Type:	PBS

Tank Number:	005
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/47
Capacity Gallons:	550
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Missing Code in Old Data - Must be fixed
Date Tested:	01/01/91
Next Test Date:	/ /
Date Tank Closed:	01/01/91

Tank Number:	007
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/47
Capacity Gallons:	1100
Material Name:	Other
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Not reported
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	01/01/86

HIST UST:

PBS Number:	2-190306
SPDES Number:	Not reported
Emergency Contact:	NANCY WITTENBERG
Emergency Telephone:	(718) 330-4581
Operator:	NYC TRANSIT AUTHORITY
Operator Telephone:	(718) 240-3426
Owner Name:	NYC TRANSIT AUTHORITY
Owner Address:	370 JAY ST ROOM 809
Owner City,St,Zip:	BROOKLYN, NY 11201
Owner Telephone:	(718) 330-4581
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	NYC TRANSIT AUTHORITY
Mailing Address:	370 JAY ST ROOM 809
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11201
Mailing Contact:	Not reported
Mailing Telephone:	(718) 330-4581
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	65 COMMERCIAL ST
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	06/05/1987
Expiration Date:	06/05/1992
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed-In Place
Install Date:	19471201
Capacity (gals):	5000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	01/01/1991
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	03/01/1991
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed-In Place
Install Date:	19471201
Capacity (gals):	5000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	01/01/1991
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	03/01/1991

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed-In Place
Install Date:	19471201
Capacity (gals):	5000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	01/01/1991
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	03/01/1991
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed-In Place
Install Date:	19471201
Capacity (gals):	1120
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	01/01/1991
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	02/01/1991
Test Method:	Not reported
Deleted:	False
Updated:	True

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Lat/long: Not reported

Tank Id: 006
Tank Location: UNDERGROUND
Tank Status: Closed-In Place
Install Date: 19471201
Capacity (gals): 550
Product Stored: UNKNOWN
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Gravity
Date Tested: 01/01/1991
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 01/01/1991
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

HIST AST:
PBS Number: 2-190306
SWIS Code: 6101
Operator: NYC TRANSIT AUTHORITY
Facility Phone: (718) 240-3426
Facility Addr2: 65 COMMERCIAL ST
Facility Type: Not reported
Emergency: NANCY WITTENBERG
Emergency Tel: (718) 330-4581
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: NYC TRANSIT AUTHORITY
Owner Address: 370 JAY ST ROOM 809
Owner City,St,Zip: BROOKLYN, NY 11201
Federal ID: Not reported
Owner Tel: (718) 330-4581
Owner Type: Not reported
Owner Subtype: Not reported
Mailing Contact: Not reported
Mailing Name: NYC TRANSIT AUTHORITY
Mailing Address: 370 JAY ST ROOM 809
Mailing Address 2: Not reported
Mailing City,St,Zip: BROOKLYN, NY 11201
Mailing Telephone: (718) 330-4581
Owner Mark: First Owner
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons)

CROSSTOWN BUS DEPOT (Continued) **U003074390**

	and Subpart 360-14.
Certification Flag:	False
Certification Date:	06/05/1987
Expiration:	06/05/1992
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	005
Tank Location:	ABOVEGROUND
Tank Status:	Closed-In Place
Install Date:	19471201
Capacity (Gal):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	0
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	0
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	0
Dispenser Method:	Suction
Date Tested:	01/01/1991
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	01/01/1991
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	007
Tank Location:	ABOVEGROUND
Tank Status:	Closed-Removed
Install Date:	19471201
Capacity (Gal):	1100
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	0
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL

CROSSTOWN BUS DEPOT (Continued) **U003074390**

Pipe Internal:	None
Pipe External:	0
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	0
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	01/01/1986
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

F51 **NYCT-CROSSTOWN ANNEX** **RCRA-LQG** **1000140970**
NE **65 COMMERCIAL STREET** **MANIFEST** **NYD980642326**
1/8-1/4 **BROOKLYN, NY 11222** **MANIFEST**
0.128 mi. **MANIFEST**
675 ft. **Site 4 of 5 in cluster F**

Relative:
Equal

Actual:
12 ft.

RCRA-LQG:

Date form received by agency:	01/31/2006
Facility name:	NYCT-CROSSTOWN ANNEX
Facility address:	65 COMMERCIAL STREET BROOKLYN, NY 11222
EPA ID:	NYD980642326
Mailing address:	2 BROADWAY 27TH FLOOR NEW YORK, NY 10004
Contact:	JOSEPHINE F BROWN
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 252-5777
Contact email:	JOBROWN4@NYCT.COM
EPA Region:	02
Land type:	State
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	NYCT
Owner/operator address:	Not reported Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1953
Owner/Op end date: Not reported

Owner/operator name: NYCT
Owner/operator address: 2 BROADWAY
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 06/01/1953
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:
Date form received by agency: 01/30/2006
Facility name: NYCT-CROSSTOWN ANNEX
Classification: Small Quantity Generator

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Date form received by agency: 02/09/2004
Facility name: NYCT-CROSSTOWN ANNEX
Site name: NYCTA - CROSSTOWN ANNEX
Classification: Large Quantity Generator

Date form received by agency: 02/20/2002
Facility name: NYCT-CROSSTOWN ANNEX
Site name: NYCTA-CROSSTOWN ANNEX
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001
Facility name: NYCT-CROSSTOWN ANNEX
Site name: NYC TRANSIT AUTHORITY
Classification: Large Quantity Generator

Date form received by agency: 02/04/1998
Facility name: NYCT-CROSSTOWN ANNEX
Site name: NYCTA CROSSTOWN ANNEX
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Facility name: NYCT-CROSSTOWN ANNEX
Site name: NYCTA
Classification: Large Quantity Generator

Date form received by agency: 03/16/1992
Facility name: NYCT-CROSSTOWN ANNEX
Site name: NYCTA
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: NYCT-CROSSTOWN ANNEX
Site name: NEW YORK CITY TRANSIT AUTHORITY
Classification: Large Quantity Generator

Date form received by agency: 05/21/1982
Facility name: NYCT-CROSSTOWN ANNEX
Site name: NYCTA
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2005

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 13260

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 11640

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 11640

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/30/2003
Date achieved compliance: 03/04/2004
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 01/27/1989
Date achieved compliance: 01/29/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/27/1989

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/30/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/04/2004
Evaluation lead agency: EPA

Evaluation date: 07/08/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/10/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/25/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/14/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 01/27/1989
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Manifest
Date achieved compliance: 01/29/1989
Evaluation lead agency: State

NY MANIFEST:
Document ID: NJA5241904
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 11/14/2005
Trans1 Recv Date: 11/14/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/14/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD980642326
Trans1 EPA ID: S5811

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F005 - UNKNOWN
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA5242608
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	05/05/2005
Trans1 Recv Date:	05/05/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/05/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	S5811
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00001
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	CW - Wooden boxes
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	Not reported
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA5243357
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	10/13/2005
Trans1 Recv Date:	10/13/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/13/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Generator EPA ID:	NYD980642326
Trans1 EPA ID:	S5811
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F005 - UNKNOWN
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA5253051
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	03/15/2005
Trans1 Recv Date:	03/15/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/15/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	S5811
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F003 - UNKNOWN
Quantity:	00330

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA5254764
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/28/2005
Trans1 Recv Date:	07/28/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/28/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	S5811
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA5257413
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	06/15/2005
Trans1 Recv Date:	06/15/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/15/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	S5811
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438

Document ID:	NYA3561074
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	IL009
Trans2 State ID:	Not reported
Generator Ship Date:	861015
Trans1 Recv Date:	861015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	861015
Part A Recv Date:	861118
Part B Recv Date:	861023
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	ILD000805911
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00360
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	86
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA0453630
Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	881205
Trans1 Recv Date:	881205
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881205
Part A Recv Date:	881209
Part B Recv Date:	881212
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	F005 - UNKNOWN
Quantity:	00440
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	008
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01500
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA0618832
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	890512
Trans1 Recv Date:	890512
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890518
Part A Recv Date:	890523
Part B Recv Date:	890525
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00027
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA0613994
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	890622
Trans1 Recv Date:	890622
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890628
Part A Recv Date:	890703
Part B Recv Date:	890707
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00027
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA0571135
Manifest Status:	Completed copy
Trans1 State ID:	NJSWS3002
Trans2 State ID:	Not reported
Generator Ship Date:	890403
Trans1 Recv Date:	890403
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890403
Part A Recv Date:	890412
Part B Recv Date:	890414
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00300
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	89
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA0637425
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	890421
Trans1 Recv Date:	890421
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890427
Part A Recv Date:	890502
Part B Recv Date:	890504
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00027
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA9635710
Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	890601
Trans1 Recv Date:	890601
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890601
Part A Recv Date:	890613
Part B Recv Date:	890607
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	F003 - UNKNOWN
Quantity:	02000
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00605
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	89
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA0614371
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	890328
Trans1 Recv Date:	890328
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890405
Part A Recv Date:	890403
Part B Recv Date:	890412
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00036
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438

Document ID:	NYC1458369
Manifest Status:	Completed copy
Trans1 State ID:	DF3013
Trans2 State ID:	Not reported
Generator Ship Date:	920131
Trans1 Recv Date:	920131
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920205
Part A Recv Date:	920220
Part B Recv Date:	920221
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NCD077840148
Waste Code:	F005 - UNKNOWN
Quantity:	00027
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438

Document ID:	NYC1256927
Manifest Status:	Completed copy
Trans1 State ID:	GF3013
Trans2 State ID:	Not reported
Generator Ship Date:	911001
Trans1 Recv Date:	911001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911004
Part A Recv Date:	911028
Part B Recv Date:	911016
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980753784
Waste Code:	F005 - UNKNOWN
Quantity:	00027
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438

Document ID:	NYC1501209
Manifest Status:	Completed copy

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Trans1 State ID:	LF3013
Trans2 State ID:	Not reported
Generator Ship Date:	920219
Trans1 Recv Date:	920219
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920226
Part A Recv Date:	920228
Part B Recv Date:	920313
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NCD077840148
Waste Code:	F005 - UNKNOWN
Quantity:	00027
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NJA1241132
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS581
Trans2 State ID:	Not reported
Generator Ship Date:	911008
Trans1 Recv Date:	911008
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911008

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Part A Recv Date:	911030
Part B Recv Date:	911028
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	NJD982281016
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F005 - UNKNOWN
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438

Document ID:	NJA1389659
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS581
Trans2 State ID:	Not reported
Generator Ship Date:	920429
Trans1 Recv Date:	920429
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920429
Part A Recv Date:	Not reported
Part B Recv Date:	920529
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	NJD982281016
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Waste Code:	F003 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438
Document ID:	NYC1448122
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	GF3013
Trans2 State ID:	Not reported
Generator Ship Date:	920124
Trans1 Recv Date:	920124
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920203
Part A Recv Date:	920206
Part B Recv Date:	920221
Generator EPA ID:	NYD980642326
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NCD077840148
Waste Code:	F005 - UNKNOWN
Quantity:	00027
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD980642326
Facility Name:	NYCTA
Facility Address:	65 COMMERCIAL AVENUE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA
Mailing Contact:	NYCTA
Mailing Address:	370 JAY STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-383-2438

Click this hyperlink while viewing on your computer to access
481 additional NY_MANIFEST: record(s) in the EDR Site Report.

CT MANIFEST:

Manifest No:	Not reported
Waste Occurence:	Not reported
UNNA:	Not reported
Hazard Class:	Not reported
US Dot Description:	Not reported
No of Containers:	Not reported
Container Type:	Not reported
Quantity:	Not reported
Weight/Volume:	Not reported
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	Not reported
DEO Who Last Modified Record:	Not reported
Manifest No:	Not reported
Waste Occurence:	Not reported
EPA Waste Code:	Not reported
Recycled Waste?:	Not reported
Date Record Was Last Modified:	Not reported
DEO Who Last Modified Record:	Not reported
Year:	2002
Manifest ID:	CTF1003031
TSDF EPA ID:	CTD021816889

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	01/07/02
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	01/09/02
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	Not reported
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	01/07/02
Date Received:	01/09/02
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2001
Manifest ID:	CTF0964138
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	10/31/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	/ /
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	Not reported
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	10/31/01

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Date Received:	11/13/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2001
Manifest ID:	CTF0964087
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	07/19/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	/ /
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	07/19/01
Date Received:	07/27/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2001
Manifest ID:	CTF0964077
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	06/21/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	07/02/01
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	06/21/01
Date Received:	07/02/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2001
Manifest ID:	CTF1003063
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	09/19/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	10/04/01
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	Not reported
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	09/19/01
Date Received:	10/04/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2001
Manifest ID:	CTF1003024
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	11/20/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	/ /

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	Not reported
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	11/20/01
Date Received:	11/30/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2001
Manifest ID:	CTF1003016
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	10/09/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	10/15/01
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	Not reported
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	10/09/01
Date Received:	10/15/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2001
Manifest ID:	CTF1003011
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

TSDF Telephone:	Not reported
Transport Date:	08/16/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	08/20/01
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	08/16/01
Date Received:	08/20/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2001
Manifest ID:	CTF0901819
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	03/20/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	03/21/01
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	03/20/01
Date Received:	03/21/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Year:	2001
Manifest ID:	CTF0964158
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	02/08/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	02/16/01
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	Not reported
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	02/08/01
Date Received:	02/16/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2001
Manifest ID:	CTF1003057
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC
TSDF Address:	136 GRACEY AVE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	08/30/01
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	09/07/01
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	Not reported
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	08/30/01
Date Received:	09/10/01
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2000
Manifest ID:	CTF0901983
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address:	136 GRACEY AVE.
TSDF City,St,Zip:	MERIDEN, CT 06451
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	08/29/00
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	09/01/00
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	08/29/00
Date Received:	09/01/00
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2000
Manifest ID:	CTF0901976
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address:	136 GRACEY AVE.
TSDF City,St,Zip:	MERIDEN, CT 06451
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	08/25/00
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	09/01/00
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	08/25/00
Date Received:	09/01/00
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2000
Manifest ID:	CTF0901959
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address:	136 GRACEY AVE.
TSDF City,St,Zip:	MERIDEN, CT 06451
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	07/19/00
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	07/27/00
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	07/19/00
Date Received:	07/27/00
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2000
Manifest ID:	CTF0901932
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address:	136 GRACEY AVE.
TSDF City,St,Zip:	MERIDEN, CT 06451
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	05/11/00
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	05/17/00
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	05/11/00
Date Received:	05/17/00
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2000
Manifest ID:	CTF0901912
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address:	136 GRACEY AVE.
TSDF City,St,Zip:	MERIDEN, CT 06451
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	03/16/00
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	03/21/00
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	Not reported
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	03/16/00
Date Received:	03/21/00
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2000
Manifest ID:	CTF0901881
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

TSDF Address:	136 GRACEY AVE.
TSDF City,St,Zip:	MERIDEN, CT 06451
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	02/17/00
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	02/22/00
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	02/17/00
Date Received:	02/22/00
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2000
Manifest ID:	CTF0901850
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address:	136 GRACEY AVE.
TSDF City,St,Zip:	MERIDEN, CT 06451
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	01/13/00
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	/ /
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	01/13/00
Date Received:	02/01/00

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2000
Manifest ID:	CTF0901846
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address:	136 GRACEY AVE.
TSDF City,St,Zip:	MERIDEN, CT 06451
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	01/05/00
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	01/10/00
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	01/05/00
Date Received:	01/11/00
Last modified date:	04/27/04
Last modified by:	IG
Comments:	Not reported
Year:	2000
Manifest ID:	CTF0964243
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address:	136 GRACEY AVE.
TSDF City,St,Zip:	MERIDEN, CT 06451
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	10/06/00
Transporter EPA ID:	NJD003812047
Transporter Name:	ALLSTATE POWER VAC INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	10/17/00
Trans 2 EPA ID:	NJD003812047
Trans 2 Name:	ALLSTATE POWER VAC INC
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYD980642326
Gererator Phone:	7182434227

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Generator Address: Not reported
Generator City,State,Zip: Not reported
Generator Country: Not reported
Special Handling: Not reported
Discrepancies: No
Date Shipped: 10/06/00
Date Received: 10/18/00
Last modified date: 04/27/04
Last modified by: IG
Comments: Not reported

Click this hyperlink while viewing on your computer to access
8 additional CT MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:
Manifest Code: 001026635JJK
EPA ID: NYD980642326
Date Shipped: 20070504
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 070504
Date Trans2 Transported Waste: Not reported
Date TSDF Received Waste: 070504
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 275
Unit: G
Hand Code: H14

Manifest Code: 001029882JJK
EPA ID: NYD980642326
Date Shipped: 20070301
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 070301
Date Trans2 Transported Waste: Not reported
Date TSDF Received Waste: 070301
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 2874
Unit: P

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Hand Code: H14

Manifest Code: NJA5075986
EPA ID: NYD980642326
Date Shipped: 20040127
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040127
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040127
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 03100422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5009788
EPA ID: NYD980642326
Date Shipped: 20040219
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040219
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040219
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 03300422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5074157
EPA ID: NYD980642326
Date Shipped: 20040319
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040319

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040319
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 04280421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5075212
EPA ID: NYD980642326
Date Shipped: 20040414
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040414
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040414
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 05030422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5077065
EPA ID: NYD980642326
Date Shipped: 20040512
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040512
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040512
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 05270421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5077168
EPA ID: NYD980642326
Date Shipped: 20040602
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040602
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040602
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 06170421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5005020
EPA ID: NYD980642326
Date Shipped: 20040720
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040720
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040720
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 08090422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5082790
EPA ID: NYD980642326
Date Shipped: 20040803
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Date Trans1 Transported Waste: 040803
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040803
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 09030422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5209436
EPA ID: NYD980642326
Date Shipped: 20040927
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040927
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040927
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 11030421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5114450
EPA ID: NYD980642326
Date Shipped: 20041012
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 041012
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 041012
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 12030425
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5210719
EPA ID: NYD980642326
Date Shipped: 20041118
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 041118
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 041118
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 12150435
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5111686
EPA ID: NYD980642326
Date Shipped: 20041222
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 041222
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 041222
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 01280525
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5241772
EPA ID: NYD980642326
Date Shipped: 20060202
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 060202
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 060202
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 03170621
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5313825
EPA ID: NYD980642326
Date Shipped: 20060310
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 060310
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 060310
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 05050621
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5312624
EPA ID: NYD980642326
Date Shipped: 20060502
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 060502
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 060502
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 06210625
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5311497
EPA ID: NYD980642326
Date Shipped: 20060606
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 060606
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 060606
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 07200621
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5311697
EPA ID: NYD980642326
Date Shipped: 20060719
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 060719
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 060719
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 08310625
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5345725
EPA ID: NYD980642326
Date Shipped: 20060815
TSDF EPA ID: NJD002200046

NYCT-CROSSTOWN ANNEX (Continued) **1000140970**

Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Date Trans1 Transported Waste:	060815
Date Trans2 Transported Waste:	000000
Date TSDF Received Waste:	060815
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Data Entry Number:	09210621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

F52 **65 COMMERCIAL ST/BKLYN** **LTANKS** **S100146732**
NE **65 COMMERCIAL STREET** **HIST LTANKS** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.128 mi.
675 ft. **Site 5 of 5 in cluster F**

Relative:
Equal

Actual:
12 ft.

LTANKS:

Site ID:	208696
Spill Date:	01/18/91
Facility Addr2:	Not reported
Facility ID:	9011113
Program Number:	9011113
SWIS:	2401
Region of Spill:	2
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	01/18/91
CID:	14
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/30/04
Remediation Phase:	0
Date Entered In Computer:	02/01/91
Spill Record Last Update:	01/30/04
Spille Namer:	Not reported
Spiller Company:	NYCTA
Spiller Phone:	(718) 739-7535
Spiller Extention:	Not reported
Spiller Address:	90-25 161ST STREET
Spiller City,St,Zip:	JAMAICA, NY

65 COMMERCIAL ST/BKLYN (Continued) **S100146732**

Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9011113
DER Facility ID:	173146
Site ID:	208696
Operable Unit ID:	951320
Operable Unit:	01
Material ID:	431206
Material Code:	0013
Material Name:	Lube Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	208696
Operable Unit ID:	951320
Operable Unit:	01
Material ID:	431204
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9011113
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported

65 COMMERCIAL ST/BKLYN (Continued) **S100146732**

Notifier Extension:	Not reported
Spill Date:	01/18/1991
Spill Time:	15:00
Reported to Department Date:	01/18/91
Reported to Department Time:	16:25
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NYCTA
Spiller Address:	90-25 161ST STREET
Spiller City,St,Zip:	JAMAICA, NY
Facility Contact:	Not reported
Facility Phone:	(718) 739-7535
Facility Extention:	Not reported
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	02/01/91
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	12/27/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	DIESEL
Class Type:	DIESEL
Times Material Entry In File:	10625
CAS Number:	Not reported
Last Date:	19940728
Material Class Type:	Petroleum
Quantity Spilled:	0

65 COMMERCIAL ST/BKLYN (Continued) **S100146732**

Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	LUBE OIL
Class Type:	LUBE OIL
Times Material Entry In File:	295
CAS Number:	Not reported
Last Date:	19940728
Material:	LUBRICATING OIL
Class Type:	LUBRICATING OIL
Times Material Entry In File:	292
CAS Number:	Not reported
Last Date:	Not reported
DEC Remarks:	01/18/91: WILL PUMP OUT OIL. 11/16/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/16/94. transfered from Hale to Tibbe on 12/27/00. tanks repaired/replaced/upgraded. investigation ongoing.
Spill Cause:	3) 5K DIESEL TANKS IN 1) UNDERGROUND CONCRETE VAULT, 25 INCHES OF WATER OIL DISCOVERED 2 INCHES OF OIL ON WATER),2ND VAULT CONTAINED LUBE OIL,1120 GAL TANK, 2) 550 GAL WASTE OIL,SAME CONDITION.

H53 **STS CYRIL & METHODIOS RC SCH** **UST** **U004077750**
East **96 DUPONT ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.130 mi.
685 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
15 ft.

UST:

UST:

Facility Id:	2-360686
Region:	STATE
Expiration Date:	10/23/07
Renewal Date:	06/05/02
Total Capacity:	3000
Facility Type:	Not reported
Mailing Company:	STS CYRIL & METHODIUS RC SCH
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	150 DUPONT STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	(718) 389-4424
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	150 DUPONT ST
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222
Owner Phone:	(718) 389-4424
Owner Company:	STS CYRIL & METHODIUS RC SCH
Emergency Contact:	JOSEPH MIETELSKI
Emergency Phone:	(718) 389-4424
Operator:	JOSEPH MIETELSKI
Operator Phone:	(718) 389-4424

STS CYRIL & METHODIOS RC SCH (Continued) **U004077750**

Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial
UTM X:	588156.81256
UTM Y:	4509912.55159
Site Type Name:	School
Site Type Status:	Active
Comments:	Not reported
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Underground, vaulted, with access
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	06/01/67
Capacity Gallons:	3000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Double-Walled (Underground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Vapor Well
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Exempt Suction Piping
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

H54 **STS CYRIL & METHODIOS RC SCH** **HIST UST** **U000407087**
East **96 DUPONT ST** **N/A**
1/8-1/4 **BKLYN, NY 11222**
0.130 mi.
685 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
15 ft.

HIST UST:

PBS Number:	2-360686
SPDES Number:	Not reported
Emergency Contact:	JOSEPH MIETELSKI
Emergency Telephone:	(718) 389-4424
Operator:	JOSEPH MIETELSKI
Operator Telephone:	(718) 389-4424
Owner Name:	STS CYRIL & METHODIUS RC SCH

STS CYRIL & METHODIOS RC SCH (Continued) **U000407087**

Owner Address:	119 EAGLE ST
Owner City,St,Zip:	BKLYN, NY 11222
Owner Telephone:	(718) 389-4424
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	STS CYRIL & METHODIUS RC SCH
Mailing Address:	119 EAGLE ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BKLYN, NY 11222
Mailing Contact:	Not reported
Mailing Telephone:	(718) 389-4424
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	96 DUPONT ST
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	10/01/1997
Expiration Date:	10/23/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	19670601
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/access)
Leak Detection:	Vapor Well
Overfill Prot:	Product Level Gauge
Dispenser:	Suction

STS CYRIL & METHODIOS RC SCH (Continued) **U000407087**

Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

I55 **VINYL BINDED PRODUCTS CORP** **FINDS** **1000441500**
SSE **99 GREENS ST** **MANIFEST** **NYD001544907**
1/8-1/4 **NEW YORK, NY 10012** **RCRA-NonGen**
0.131 mi.
694 ft. **Site 1 of 2 in cluster I**

Relative:
Equal

Actual:
12 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID:	NYO3073779
Manifest Status:	Completed copy
Trans1 State ID:	NYJA004
Trans2 State ID:	Not reported
Generator Ship Date:	830722
Trans1 Recv Date:	830722
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830722
Part A Recv Date:	030729
Part B Recv Date:	030729
Generator EPA ID:	NYD001544907
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00875
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported

VINYL BINDED PRODUCTS CORP (Continued) **1000441500**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001544907
Facility Name:	VINYL BONDED PRODUCTS
Facility Address:	99 GREENE ST
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	VINYL BONDED PRODUCTS
Mailing Contact:	HARRY D ELBAUM
Mailing Address:	99 GREENE ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10012
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-966-6024

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	VINYL BINDED PRODUCTS CORP
Facility address:	99 GREENS ST NEW YORK, NY 10012
EPA ID:	NYD001544907
Mailing address:	GREENE ST NEW YORK, NY 10012
Contact:	HARRY - ELDBAUM
Contact address:	GREENE ST NEW YORK, NY 10012
Contact country:	US
Contact telephone:	(212) 966-6024
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

VINYL BINDED PRODUCTS CORP (Continued) **1000441500**

Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency:	06/29/1983
Facility name:	VINYL BINDED PRODUCTS CORP
Classification:	Not a generator, verified

Hazardous Waste Summary:

Waste code:	NONE
Waste name:	None

Violation Status: No violations found

I56 **OSCAR'S SERVICE STATION INC** **UST** **U003128222**
South **193 FRANKLIN ST** **HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.139 mi.
733 ft. **Site 2 of 2 in cluster I**

Relative:
Lower

Actual:
11 ft.

UST:

UST:

Facility Id:	2-600769
Region:	STATE
Expiration Date:	07/07/02
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	OSCAR'S SERVICE STATION
Mailing Title:	Not reported
Mailing Contact:	MILTON CORNWALL
Mailing Address:	193 FRANKLIN AVE
Mailing Address 2:	Not reported
Mailing City:	GREEN POINT
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	414 RUTLAND RD
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11203
Owner Phone:	Not reported
Owner Company:	MILTON S. CORNWALL
Emergency Contact:	MILTON CORNWALL

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Emergency Phone:	Not reported
Operator:	MILTON CORNWALL
Operator Phone:	Not reported
Owner City:	BROOKLYN
Owner Sub Type:	Private Resident
UTM X:	588001.48290
UTM Y:	4509647.68280
Site Type Name:	Retail Gasoline Sales
Site Type Status:	Unregulated
Comments:	Not reported
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	05/01/92
Next Test Date:	/ /
Date Tank Closed:	07/01/98
Tank Number:	002
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	550
Material Name:	Gasoline

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	05/01/92
Next Test Date:	/ /
Date Tank Closed:	07/01/98

Tank Number:	003
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	05/01/92

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Next Test Date:	/ /
Date Tank Closed:	07/01/98

Tank Number:	004
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	05/01/92
Next Test Date:	/ /
Date Tank Closed:	07/01/98

Tank Number:	005
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	05/01/92
Next Test Date:	/ /
Date Tank Closed:	07/01/98

Tank Number:	006
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	06/01/69
Capacity Gallons:	500
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	05/01/92
Next Test Date:	/ /
Date Tank Closed:	07/01/98

Tank Number:	007
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Active Status:	Inactive
Install Date:	06/01/69
Capacity Gallons:	500
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	05/01/92
Next Test Date:	/ /
Date Tank Closed:	07/01/98

Tank Number:	008
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	06/01/69
Capacity Gallons:	500
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	05/01/92
Next Test Date:	/ /
Date Tank Closed:	07/01/98

HIST UST:

PBS Number:	2-600769
SPDES Number:	Not reported
Emergency Contact:	MILTON CORNWALL
Emergency Telephone:	(718) 383-4830
Operator:	MILTON CORNWALL
Operator Telephone:	(718) 383-4830
Owner Name:	MILTON S. CORNWALL
Owner Address:	414 RUTLAND RD
Owner City,St,Zip:	BROOKLYN, NY 11203
Owner Telephone:	(718) 383-4830
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Name:	OSCAR'S SERVICE STATION
Mailing Address:	193 FRANKLIN AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	GREEN POINT, NY 11222
Mailing Contact:	MILTON CORNWALL
Mailing Telephone:	(718) 383-4830
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	193 FRANKLIN ST
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	08/11/1997
Expiration Date:	07/07/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	05/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	07/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	05/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	07/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	05/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	07/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	05/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	07/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	05/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	07/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19690601
Capacity (gals):	500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	05/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	07/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19690601
Capacity (gals):	500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None

OSCAR'S SERVICE STATION INC (Continued) **U003128222**

Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	05/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	07/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	008
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19690601
Capacity (gals):	500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	05/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	07/01/1998
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

57
South
1/8-1/4
0.145 mi.
765 ft.

LIQUI MARK CORP-71 GREEN ST
71 GREEN ST
BROOKLYN, NY 11222

FINDS **1000911978**
MANIFEST **NY0000374363**
RCRA-NonGen

Relative:
Lower

Actual:
9 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

LIQUI MARK CORP-71 GREEN ST (Continued) **1000911978**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NY MANIFEST:

Document ID:	NYB4866849
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	940830
Trans1 Recv Date:	940830
Trans2 Recv Date:	940902
TSD Site Recv Date:	940912
Part A Recv Date:	950309
Part B Recv Date:	941007
Generator EPA ID:	NY0000374363
Trans1 EPA ID:	OHD009865825
Trans2 EPA ID:	Not reported
TSDF ID:	GAD093380814
Waste Code:	F003 - UNKNOWN
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported

LIQUI MARK CORP-71 GREEN ST (Continued) **1000911978**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NY0000374363
Facility Name:	LIQUIMARK
Facility Address:	71 GREEN ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	LIQUIMARK
Mailing Contact:	ANDREW SOSNICK
Mailing Address:	19 CLAY ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	0

Document ID:	NYB4866795
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	940830
Trans1 Recv Date:	940830
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940901
Part A Recv Date:	950309
Part B Recv Date:	940926
Generator EPA ID:	NY0000374363
Trans1 EPA ID:	OHD009865825
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00075
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	94
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported

LIQUI MARK CORP-71 GREEN ST (Continued) **1000911978**

Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NY0000374363
Facility Name:	LIQUIMARK
Facility Address:	71 GREEN ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	LIQUIMARK
Mailing Contact:	ANDREW SOSNICK
Mailing Address:	19 CLAY ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	0

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	LIQUI MARK
Facility address:	71 GREEN ST BROOKLYN, NY 11222
EPA ID:	NY0000374363
Mailing address:	SWALM ST WESTBURY, NY 115904820
Contact:	-
Contact address:	SWALM ST WESTBURY, NY 115904820
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

LIQUI MARK CORP-71 GREEN ST (Continued) **1000911978**

Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 06/22/1997
Facility name: LIQUI MARK
Classification: Not a generator, verified

Date form received by agency: 07/07/1994
Facility name: LIQUI MARK
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/02/1994
Date achieved compliance: 07/25/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

LIQUI MARK CORP-71 GREEN ST (Continued) **1000911978**

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Corrective Action for SWMUs
Date violation determined: 06/02/1994
Date achieved compliance: 08/01/1995
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 06/02/1994
Date achieved compliance: 08/30/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 06/02/1994
Date achieved compliance: 07/25/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

LIQUI MARK CORP-71 GREEN ST (Continued) **1000911978**

Area of violation: Generators - Pre-transport
Date violation determined: 06/02/1994
Date achieved compliance: 07/24/1994
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 06/24/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 02/14/1997
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/14/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/01/1995
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/02/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 08/30/1994
Evaluation lead agency: EPA

Evaluation date: 06/02/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Corrective Action for SWMUs
Date achieved compliance: 08/01/1995
Evaluation lead agency: EPA

Evaluation date: 06/02/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/24/1994
Evaluation lead agency: EPA

Evaluation date: 06/02/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 08/30/1994
Evaluation lead agency: EPA

Evaluation date: 06/02/1994

LIQUI MARK CORP-71 GREEN ST (Continued) **1000911978**

Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Records/Reporting
Date achieved compliance:	07/25/1994
Evaluation lead agency:	EPA
Evaluation date:	06/02/1994
Evaluation:	SIGNIFICANT NON-COMPLIER
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	06/02/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	08/30/1994
Evaluation lead agency:	EPA
Evaluation date:	06/02/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	08/30/1994
Evaluation lead agency:	EPA
Evaluation date:	06/02/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/25/1994
Evaluation lead agency:	EPA

J58 **HARTE & CO INC** **FINDS** **1000396818**
NE **77 COMMERCIAL ST** **RCRA-NonGen** **NYD095759981**
1/8-1/4 **BROOKLYN, NY 11222**
0.154 mi.
811 ft. **Site 1 of 8 in cluster J**

Relative:
Equal

Actual:
12 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	HARTE & CO INC
Facility address:	77 COMMERCIAL ST BROOKLYN, NY 112221005
EPA ID:	NYD095759981
Mailing address:	COMMERCIAL ST BROOKLYN, NY 11222
Contact:	-
Contact address:	COMMERCIAL ST BROOKLYN, NY 11222
Contact country:	US

HARTE & CO INC (Continued) **1000396818**

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 07/08/1999
Facility name: HARTE & CO INC
Classification: Not a generator, verified

Date form received by agency: 10/09/1980
Facility name: HARTE & CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 12/27/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/10/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

J59 NE 1/8-1/4 0.154 mi. 811 ft. | **BULOVA CLOCK DIVISION**
77 COMMERCIAL STREET
BROOKLYN, NY 11222 | **UST** | **U004081907**
N/A

Site 2 of 8 in cluster J

Relative: Equal

Actual: 12 ft.

UST:

UST:

Facility Id:	2-601397
Region:	STATE
Expiration Date:	11/04/08
Renewal Date:	/ /
Total Capacity:	3000
Facility Type:	Not reported
Mailing Company:	BULOVA CORPORATION
Mailing Title:	VICE PRESIDENT - OPERATIONS
Mailing Contact:	ROBERT A. WEBER
Mailing Address:	ONE BULOVA AVENUE
Mailing Address 2:	Not reported
Mailing City:	WOODSIDE
Mailing State:	NY
Mailing Zip Code:	11377
Mailing Phone No:	(718) 204-3300
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	110 WILLIAM STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	10038
Owner Phone:	(212) 341-5900
Owner Company:	NEW YORK CITY INDUSTRIAL DEVELOPMENT AGENCY
Emergency Contact:	R.A. WEBER
Emergency Phone:	(718) 204-3300
Operator:	BULOVA CORPORATION
Operator Phone:	(718) 204-3300
Owner City:	NEW YORK
Owner Sub Type:	Corporate or Commercial
UTM X:	588107.09955
UTM Y:	4510067.55439
Site Type Name:	Manufacturing (Other than Chemical)/Processing
Site Type Status:	Active
Comments:	Not reported
Program Type:	PBS
Tank Number:	001-A
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	15000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating

BULOVA CLOCK DIVISION (Continued) **U004081907**

Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	Painted/Asphalt Coating
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Vent Whistle
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	02/01/98
Next Test Date:	/ /
Date Tank Closed:	04/15/03

Tank Number:	1
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/80
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Gravity
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	12/01/80

J60 NE 1/8-1/4 0.154 mi. 811 ft. | **77 COMMERCIAL STREET**
77 COMMERCIAL ST
BROOKLYN, NY

Site 3 of 8 in cluster J

NY Spills | **S103574974**
NY Hist Spills | **N/A**

Relative: Equal

Actual: 12 ft.

NY Spills:

Site ID:	164785
Facility Addr2:	Not reported
Facility ID:	9811015
Spill Number:	9811015
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	12/02/98
Reported to Dept:	12/02/98
CID:	14
Spill Cause:	Housekeeping
Water Affected:	Not reported
Spill Source:	Non Major Facility > 1,100 gal
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/02/99
Remediation Phase:	0
Date Entered In Computer:	12/02/98
Spill Record Last Update:	07/02/99
Spiller Name:	ANDREW BELFER
Spiller Company:	77 COMMERCIAL STREET
Spiller Address:	77 COMMERCIAL ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(516) 482-1970
Contact Name:	ANDREW BELFER
Contact Phone:	(516) 482-1970
DEC Region:	2
Program Number:	9811015
DER Facility ID:	117348
Site ID:	164785
Operable Unit ID:	1068400
Operable Unit:	01
Material ID:	557994
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	164785

77 COMMERCIAL STREET (Continued) **S103574974**

Operable Unit ID: 1068400
Operable Unit: 01
Material ID: 557993
Material Code: 0002
Material Name: #4 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Groundwater
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9811015 TANKS TO BE REMOVED AS WELL AS SOIL CONTAMINATION-WILL NOTIFY DEC PRIOR TO DOING SAME. END CallerRemark - 9811015

NY Hist Spills:
Region of Spill: 2
Spill Number: 9811015
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 12/02/1998 12:00
Reported to Dept Date/Time: 12/02/98 14:23
SWIS: 61
Spiller Name: 77 COMMERCIAL STREET
Spiller Contact: ANDREW BELFER
Spiller Phone: (516) 482-1970
Spiller Contact: ANDREW BELFER
Spiller Phone: (516) 482-1970
Spiller Address: 77 COMMERCIAL ST
Spiller City,St,Zip: BROOKLYN, NY
Spill Cause: Housekeeping
Reported to Dept: Groundwater
Water Affected: Not reported
Spill Source: 04
Spill Notifier: Other
PBS Number: 2-601297
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 07/02/99
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 12/02/98
Date Spill Entered In Computer Data File: Not reported

77 COMMERCIAL STREET (Continued) **S103574974**

Update Date:	07/02/99
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#4 FUEL OIL
Class Type:	#4 FUEL OIL
Times Material Entry In File:	1751
CAS Number:	Not reported
Last Date:	19941205
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929

DEC Remarks: DEC Sigona) met on-site with property owner. Also, received a copy of site assessment by Flour Daniel GTI, who assessed the site for potential buyer Bulova Corporation). Soil Mechanics supervised cleaning of oil-water separator which contained free product. Also, a gasoline 550 gallon UST was found to be improperly closed. Tank being removed on 12/28/98. Soil mechanics sent proposal to install five monitoring wells. DEC Sigona) sent letter approving the site investigation plan.DEC sigona) reviewed a series of investigatory and remedial reports prepared for the DEC by Soil Mechanics Enviornmental Services from December 1998 to June 1999. The site has been cleanup to a level slightly above groundwater standards. But because of the industrial setting in Greenpoint, the cleanup is acceptable. see reports) A letter was sent to Belfer Realty Development, dated July 2, 1999.

Remark: TANKS TO BE REMOVED AS WELL AS SOIL CONTAMINATION-WILL NOTIFY DEC PRIOR TO DOING SAME.

J61 **BULOVA CORPORATION** **LTANKS** **S105998104**
NE **77 COMMERCIAL STREET** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.154 mi.
811 ft. **Site 4 of 8 in cluster J**

Relative:
Equal

Actual:
12 ft.

LTANKS:

Site ID:	137163
Spill Date:	02/05/03
Facility Addr2:	Not reported
Facility ID:	0211097
Program Number:	0211097
SWIS:	2401

BULOVA CORPORATION (Continued) **S105998104**

Region of Spill:	2
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	02/05/03
CID:	14
Spill Cause:	Tank Test Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Tank Tester
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/09/03
Remediation Phase:	0
Date Entered In Computer:	02/05/03
Spill Record Last Update:	01/07/04
Spille Namer:	BOB WEBER
Spiller Company:	BULOVA CORPORATION
Spiller Phone:	(718) 204-3277
Spiller Extention:	Not reported
Spiller Address:	77 COMMERCIAL STREET
Spiller City,St,Zip:	BROOKLYN, NY 11222-
Spiller County:	001
Spiller Contact:	PHIL FAZIN
Spiller Phone:	(516) 375-5890
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	0211097
DER Facility ID:	117348
Site ID:	137163
Operable Unit ID:	862135
Operable Unit:	01
Material ID:	514458
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	137163
Spill Tank Test:	1528007
Tank Number:	1
Tank Size:	15000
Test Method:	03
Leak Rate:	0.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/01/04
Test Method:	Horner EZ Check I or II
DEC Memo:	Not reported

BULOVA CORPORATION (Continued) **S105998104**

Remarks: Not reported

J62 **MANHOLE 4284** **NY Spills** **S103936626**
NE **COMMERCIAL ST / BOX ST** **NY Hist Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.154 mi.
811 ft. **Site 5 of 8 in cluster J**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	70871
Facility Addr2:	Not reported
Facility ID:	9900977
Spill Number:	9900977
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	04/26/99
Reported to Dept:	04/26/99
CID:	371
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/11/99
Remediation Phase:	0
Date Entered In Computer:	04/26/99
Spill Record Last Update:	06/14/00
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9900977
DER Facility ID:	67173
Site ID:	70871
Operable Unit ID:	1075746
Operable Unit:	01
Material ID:	304518
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00

MANHOLE 4284 (Continued) **S103936626**

Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9900977 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Con ed e2mis notes: Found 2 qts of unknown oil on 100 gal of water in mh. NO other oil filled equipment in hole. Lab Seq #99-04239 <1.00ppm S.Pace 49874. Env. Ops. reports <1.0ppm cleanup complete and tag removed. END DECRemark - 9900977
Remarks: Start CallerRemark - 9900977 2 qts unknown petro on 100 gals water ---sample taken - clean up pending results -- con ed 124435. END CallerRemark - 9900977

NY Hist Spills:

Region of Spill:	2
Spill Number:	9900977
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/26/1999 10:10
Reported to Dept Date/Time:	04/26/99 11:09
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/11/99
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	04/26/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/14/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

MANHOLE 4284 (Continued) **S103936626**

Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Con ed e2mis notes: Found 2 qts of unknown oil on 100 gal of water in mh. NO other oil filled equipment in hole. Lab Seq 99-04239 <1.00ppm S.Pace 49874. Env. Ops. reports <1.0ppm cleanup complete and tag removed.
Remark:	2 qts unknown petro on 100 gals water ---sample taken - clean up pending results -- con ed 124435.

J63 **FORMER UNITED FEATHER & DOWN INC.** **HIST UST** **U001841906**
NE **77 COMMERCIAL STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.154 mi.
811 ft. **Site 6 of 8 in cluster J**

Relative:
Equal

Actual:
12 ft.

HIST UST:

PBS Number:	2-601397
SPDES Number:	Not reported
Emergency Contact:	ANDREW BELFER
Emergency Telephone:	(516) 482-1970
Operator:	ANDREW BELFER
Operator Telephone:	(516) 482-1970
Owner Name:	77 COMMERCIAL, LLC
Owner Address:	C/O BELFER REALTY & DEVELOPMENT CO.
Owner City,St,Zip:	GREAT NECK, NY 11021
Owner Telephone:	(516) 482-1970
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	77 COMMERCIAL, LLC
Mailing Address:	C/O BELFER REALTY & DEVELOPMENT CO.
Mailing Address 2:	80 CUTTER MILL ROAD
Mailing City,St,Zip:	GREAT NECK, NY 11021
Mailing Contact:	ANDREW BELFER
Mailing Telephone:	(516) 482-1970
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	77 COMMERCIAL STREET
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	03/01/1999
Expiration Date:	02/11/2004
Renew Flag:	False

FORMER UNITED FEATHER & DOWN INC. (Continued) **U001841906**

Renewal Date:	Not reported
Total Capacity:	15000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	15000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge, Vent Whistle
Dispenser:	Suction
Date Tested:	02/01/1998
Next Test Date:	02/01/2003
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	1
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19801201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Gravity

FORMER UNITED FEATHER & DOWN INC. (Continued) **U001841906**

Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	12/01/1980
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

J64 **BULOVA CLOCK DIVISION** **AST** **A100293411**
NE **77 COMMERCIAL STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.154 mi.
811 ft. **Site 7 of 8 in cluster J**

Relative:
Equal

Actual:
12 ft.

AST:

AST:

Region:	STATE
Facility Id:	2-601397
UTM X:	588107.09955
UTM Y:	4510067.55439
Expiration Date:	11/04/08
Renewal Date:	/ /
Total Capacity:	3000
Facility Type:	Not reported
Site Type Name:	Manufacturing (Other than Chemical)/Processing
Site Type Status:	Active
Mailing Company:	BULOVA CORPORATION
Mailing Title:	VICE PRESIDENT - OPERATIONS
Mailing Contact:	ROBERT A. WEBER
Mailing Address:	ONE BULOVA AVENUE
Mailing Address 2:	Not reported
Mailing City:	WOODSIDE
Mailing State:	NY
Mailing Zip Code:	11377
Mailing Phone No:	(718) 204-3300
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	110 WILLIAM STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	10038
Owner Phone:	(212) 341-5900
Owner Company:	NEW YORK CITY INDUSTRIAL DEVELOPMENT AGENCY
Emergency Contact:	R.A. WEBER
Emergency Phone:	(718) 204-3300
Operator:	BULOVA CORPORATION
Operator Phone:	(718) 204-3300
Owner City:	NEW YORK
Owner Sub Type:	Corporate or Commercial
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	In Service
Tank Model:	Not reported

BULOVA CLOCK DIVISION (Continued) **A100293411**

Pipe Model:	Not reported
Active Status:	Active
Install Date:	10/30/03
Capacity Gallons:	3000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	Epoxy Liner
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	Painted/Asphalt Coating
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Diking (Aboveground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Impervious Barrier/Concrete Pad (A/G)
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Exempt Suction Piping
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Vent Whistle
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

J65 **COMMERCIAL ST/BOX&CLAY ST** **NY Spills** **S102141971**
NE **COMMERCIAL ST / BOX ST** **NY Hist Spills** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
0.154 mi.
813 ft. **Site 8 of 8 in cluster J**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	88003
Facility Addr2:	Not reported
Facility ID:	8905639
Spill Number:	8905639
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	TOMASELLO
Referred To:	Not reported
Spill Date:	09/01/89
Reported to Dept:	09/08/89
CID:	Not reported
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	11/06/01
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False

COMMERCIAL ST/BOX&CLAY ST (Continued) **S102141971**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/06/01
Remediation Phase:	0
Date Entered In Computer:	09/11/89
Spill Record Last Update:	11/06/01
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	8905639
DER Facility ID:	80563
Site ID:	88003
Operable Unit ID:	930847
Operable Unit:	01
Material ID:	446054
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 8905639 OIL ON STREET & IN VEGETATION, WITH SAND SPREAD ON TOP, COULD BE FROM TRAFFIC ACCIDENT/SADDLE TANK SPILL. END CallerRemark - 8905639

NY Hist Spills:

Region of Spill:	2
Spill Number:	8905639
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	09/01/1989 12:00
Reported to Dept Date/Time:	09/08/89 13:30
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12

COMMERCIAL ST/BOX&CLAY ST (Continued) **S102141971**

Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	11/06/01
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/06/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	09/11/89
Date Spill Entered In Computer Data File:	Not reported
Update Date:	11/06/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	50
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	11/06/01: MF-R9 NO FURTHER INFO IN FILE. POSSIBLE TRAFFIC ACCIDENT OVER 12 YEARS AGO. NO FURTHER ACTION POSSIBLE. **********COMPUTER FILE**********
Remark:	OIL ON STREET IN VEGETATION, WITH SAND SPREAD ON TOP, COULD BE FROM TRAFFIC ACCIDENT/SADDLE TANK SPILL.

K66 **M C N DESIGN LLC** **AST** **A100177742**
SSW **61-65 GREEN STREET** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.154 mi.
813 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
8 ft.

AST:

AST:

Region:	STATE
Facility Id:	2-114456
UTM X:	587900.31948
UTM Y:	4509633.99282
Expiration Date:	06/05/06
Renewal Date:	/ /
Total Capacity:	2000
Facility Type:	Not reported

M C N DESIGN LLC (Continued) **A100177742**

Site Type Name:	Other
Site Type Status:	Active
Mailing Company:	MINC PLATFORM LLC
Mailing Title:	Not reported
Mailing Contact:	LAURA L. SMITH
Mailing Address:	61-65 GREEN STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	(718) 349-2890
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	61-65 GREEN STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222
Owner Phone:	(718) 349-2890
Owner Company:	MINC PLATFORM LLC
Emergency Contact:	LAURA L. SMITH
Emergency Phone:	(917) 676-2954
Operator:	MCN DESIGN LLC
Operator Phone:	(718) 349-2890
Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	/ /
Capacity Gallons:	2000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Other
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Exempt Suction Piping
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported

M C N DESIGN LLC (Continued) **A100177742**

Tightness Test Method: Testing Not Required
Date Tested: / /
Next Test Date: / /
Date Tank Closed: / /

L67 **ELECTRICAL PRECISION METE** **FINDS** **1000181232**
South **214 FRANKLIN ST** **RCRA-NonGen** **NYD061478335**
1/8-1/4 **BROOKLYN, NY 11222**
0.175 mi.
923 ft. **Site 1 of 4 in cluster L**

Relative:
Equal

Actual:
12 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	ELECTRICAL PRECISION METE
Facility address:	214 FRANKLIN ST BROOKLYN, NY 11222
EPA ID:	NYD061478335
Mailing address:	FRANKLIN ST BROOKLYN, NY 11222
Contact:	-
Contact address:	FRANKLIN ST BROOKLYN, NY 11222
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste
Handler accessibilty indicator:	Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

ELECTRICAL PRECISION METE (Continued) **1000181232**

Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 12/31/1979
Facility name: ELECTRICAL PRECISION METE
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/21/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

K68 SSW 1/8-1/4 0.177 mi. 935 ft. **LUMBER EXCHANGE TERMINAL** **NY Spills** **S105142571**
171 WEST ST **NY Hist Spills** **N/A**
BROOKLYN, NY

Site 2 of 2 in cluster K

Relative: Lower

Actual: 7 ft.

NY Spills:
Site ID: 171888
Facility Addr2: Not reported
Facility ID: 0106864
Spill Number: 0106864
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: DJEATON
Referred To: Not reported
Spill Date: 10/02/01
Reported to Dept: 10/02/01
CID: 14
Spill Cause: Unknown
Water Affected: EAST RIVER
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/06/05
Remediation Phase: 0
Date Entered In Computer: 10/02/01
Spill Record Last Update: 12/06/05
Spiller Name: STEVE STULMAN
Spiller Company: LUMBER EXCHANGE TERMINAL
Spiller Address: 171 WEST ST
Spiller City,St,Zip: BROOKLYN, NY
Spiller Company: 001
Spiller Phone: (718) 383-5000
Contact Name: MIMI SOTIRIOU

LUMBER EXCHANGE TERMINAL (Continued) **S105142571**

Contact Phone:	(212) 340-9779
DEC Region:	2
Program Number:	0106864
DER Facility ID:	144663
Site ID:	171888
Operable Unit ID:	843927
Operable Unit:	01
Material ID:	531708
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
DEC Memo:	Start DECRemark - 0106864 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ROMMEL" 10/2/01: K.Goertz called back Ms.Sotiriou. Her company performed a phase 2 investigation. The property is over 20 acres in area. Several borings and monitoring wells were installed. Of all the soil samples and gw samples collected, only one came back with contaminant concentrations above standards and that was napthalene at 18 ppb in the groundwater. All other results met standards and all soil samples met TAGM 4046. (KG) 4/12/04-Vought-Spill transferred from Tipple/Goertz to Rommel as per Rommel. 12/06/05 - Based on contact by Goertz and information obtained from the party that reported the spill, the spill was closed this date. DE END DECRemark - 0106864
Remarks:	Start CallerRemark - 0106864 SOIL SAMPLES TAKEN AT ABOVE LOCATION REVEAL CONTAMINATION. PROPERTY OWNER TO BE ADVISED OF RESULTS. END CallerRemark - 0106864

NY Hist Spills:

Region of Spill:	2
Spill Number:	0106864
Investigator:	TIPPLE/GOERTZ
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/02/2001 12:00
Reported to Dept Date/Time:	10/02/01 16:27
SWIS:	61
Spiller Name:	LUMBER EXCHANGE TERMINAL
Spiller Contact:	STEVE STULMAN
Spiller Phone:	(718) 383-5000
Spiller Contact:	MIMI SOTIRIOU
Spiller Phone:	(212) 340-9779
Spiller Address:	171 WEST ST
Spiller City,St,Zip:	BROOKLYN, NY
Spill Cause:	Unknown
Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Other

LUMBER EXCHANGE TERMINAL (Continued) **S105142571**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/02/01
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/04/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/2/01: K.Goert called back Ms.Sotiriou. Her company performed a phase 2 investigation. The property is over 20 acres in area. Several borings and monitoring wells were installed. Of all the soil samples and gw samples collected, only one cameback with contaminant concentrations above standards and that was napthalene at 18 ppb in the groundwater. All other results met standards and all soil samples met TAGM 4046. KG)
Remark: SOIL SAMPLES TAKEN AT ABOVE LOCATION REVEAL CONTAMINATION. PROPERTY OWNER TO BE ADVISED OF RESULTS.

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69 **132-140 GREEN STREET** **LTANKS** **S104950908**
SE **132-140 GREEN STREET** **HIST LTANKS** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
0.181 mi.
958 ft.

Relative:
Higher

Actual:
13 ft.

LTANKS:
Site ID: 91808
Spill Date: 02/03/01
Facility Addr2: Not reported
Facility ID: 0011967
Program Number: 0011967
SWIS: 3101
Region of Spill: 2

132-140 GREEN STREET (Continued) **S104950908**

Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	02/06/01
CID:	08
Spill Cause:	Tank Overfill
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/11/03
Remediation Phase:	0
Date Entered In Computer:	02/06/01
Spill Record Last Update:	04/11/03
Spille Namer:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller County:	999
Spiller Contact:	RAYMOND
Spiller Phone:	(917) 523-3075
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	0011967
DER Facility ID:	82488
Site ID:	91808
Operable Unit ID:	833328
Operable Unit:	01
Material ID:	542254
Material Code:	0002
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

132-140 GREEN STREET (Continued) **S104950908**

HIST LTANKS:

Region of Spill:	2
Spill Number:	0011967
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	02/03/2001
Spill Time:	13:00
Reported to Department Date:	02/06/01
Reported to Department Time:	17:08
SWIS:	62
Spiller Contact:	RAYMOND
Spiller Phone:	(917) 523-3075
Spiller Extention:	Not reported
Spiller Name:	UNK
Spiller Address:	UNK
Spiller City,St,Zip:	UNK, NY
Facility Contact:	UNK
Facility Phone:	(000) 000-0000
Facility Extention:	Not reported
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	02/06/01
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	02/07/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0

132-140 GREEN STREET (Continued) **S104950908**

Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: PTC INVESTIGATED. PRESSURED WASH TOMORROW. ALLIED TRANSPORTATION DELIVERED FOR HESS. HE WAS NOTIFIED TODAY AT 1200HRS.
Spill Cause: SPILL INSIDE AND OUTSIDE A RESIDENCE UNK QUANTITY PETROLEUM TANK CLEANERS RESPONDED AND ACCESSED THE SITUATION AND WILL BE BACK TOMORROW FOR CLEAN UP. NO CALLBACK NECESSARY

M70
East
1/8-1/4
0.185 mi.
978 ft.

1079 MANHATTEN AVE
BROOKLYN, NY

NY Spills **S104650683**
NY Hist Spills **N/A**

Site 1 of 2 in cluster M

Relative:
Higher

Actual:
15 ft.

NY Spills:
Site ID: 135230
Facility Addr2: Not reported
Facility ID: 0001371
Spill Number: 0001371
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: JHOCONNE
Referred To: Not reported
Spill Date: 05/03/00
Reported to Dept: 05/03/00
CID: 14
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Vessel
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/23/03
Remediation Phase: 0
Date Entered In Computer: 05/03/00
Spill Record Last Update: 04/23/03
Spiller Name: Not reported
Spiller Company: CON ED
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: CALLER
Contact Phone: Not reported
DEC Region: 2

(Continued) **S104650683**

Program Number:	0001371
DER Facility ID:	116107
Site ID:	135230
Operable Unit ID:	823024
Operable Unit:	01
Material ID:	289602
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0001371 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Duplicate of spill # 0001377. END DECRemark - 0001371
Remarks:	Start CallerRemark - 0001371 contractor was digging and hit a 55 gallon drum rupturing it. no of which had been cleaned up END CallerRemark - 0001371

NY Hist Spills:

Region of Spill:	2
Spill Number:	0001371
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/03/2000 17:31
Reported to Dept Date/Time:	05/03/00 18:10
SWIS:	61
Spiller Name:	CON ED
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	10
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /

(Continued) **S104650683**

Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 05/03/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 05/04/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 55
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: contractor was digging and hit a 55 gallon drum rupturing it. no of which had been cleaned up

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M71 **1071 MANHATTAN AVENUE** **NY Spills** **S103560499**
East **1071 MANHATTAN AVENUE** **NY Hist Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.188 mi.
991 ft. **Site 2 of 2 in cluster M**

Relative:
Higher

Actual:
15 ft.

NY Spills:
Site ID: 129143
Facility Addr2: Not reported
Facility ID: 9313337
Spill Number: 9313337
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: CAENGELH
Referred To: Not reported
Spill Date: 02/07/94
Reported to Dept: 02/11/94
CID: 14
Spill Cause: Other
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Federal Government
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/23/03

1071 MANHATTAN AVENUE (Continued) **S103560499**

Remediation Phase:	0
Date Entered In Computer:	02/14/94
Spill Record Last Update:	04/23/03
Spiller Name:	Not reported
Spiller Company:	CON-ED
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9313337
DER Facility ID:	111355
Site ID:	129143
Operable Unit ID:	995363
Operable Unit:	01
Material ID:	388720
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9313337 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ENGLEHARDT" See also spill #9313255 for notes. END DECRemark - 9313337
Remarks:	Start CallerRemark - 9313337 CON-ED WORKING ON HER ST ALL WEEK OIL HAS BEEN LEAKING, INTO HER BASEMENT ALL WEEK - CON-ED IS USING STEAM ON IT. END CallerRemark - 9313337

NY Hist Spills:

Region of Spill:	2
Spill Number:	9313337
Investigator:	ENGLEHARDT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/07/1994 12:00
Reported to Dept Date/Time:	02/11/94 12:45
SWIS:	61
Spiller Name:	CON-ED
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Other
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	09
Spill Notifier:	Federal Government

1071 MANHATTAN AVENUE (Continued) **S103560499**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/14/94
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/18/98
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: See also spill 9313255.
Remark: CON-ED WORKING ON HER ST ALL WEEK OIL HAS BEEN LEAKING, INTO HER BASEMENT ALL WEEK - CON-ED IS USING STEAM ON IT.

L72 **MANHATTAN #4276** **NY Spills** **S103827614**
South **HURON ST / FRANKLIN ST** **NY Hist Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.189 mi.
997 ft. **Site 2 of 4 in cluster L**

Relative:
Equal

Actual:
12 ft.

NY Spills:
Site ID: 75481
Facility Addr2: Not reported
Facility ID: 9813151
Spill Number: 9813151
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: JHOCONNE
Referred To: Not reported
Spill Date: 01/26/99
Reported to Dept: 01/26/99
CID: 281

MANHOLE #4276 (Continued) **S103827614**

Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/18/02
Remediation Phase:	0
Date Entered In Computer:	01/26/99
Spill Record Last Update:	10/18/02
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	MIKE CESARE
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	9813151
DER Facility ID:	70648
Site ID:	75481
Operable Unit ID:	1073606
Operable Unit:	01
Material ID:	309885
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9813151 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" e2mis no. 122-676: 26-JAN-1999 1500HRS BANKHEAD FLUSH DEPT REPORTS FOUND 2 QTS UNKNOWN OIL ON 100 GALLONS WATER IN MH 4276 IT IS CONTAINED AND NO SEWERS OR WATERWAYS AFFECTED A SAMPLE WAS TAKEN AND TAG HUNG. IT WILL BE ON A 4 TO 6 HR TURNAROUND FOUND ON A REGULAR CLEAN UPCAN NOT SEE SEWER CONNECTION. UPDATE 1/27/99 0105HRS - RESULTS RECD CHEM LAB - LAB SEQ # 99-00820 AS <1PPM. UPDATE - 1/27/99 - J. LIPORI #11179, FLUSH MECHANIC REPORTS THAT CLEAN UP COMPLETED WITH SLIX AS OF 1130HRS. STOP TAG # 11849 REMOVED. NO LEAKING COMPANY EQUIPMENT. INCIDENT IS CLOSED. END DECRemark - 9813151
Remarks:	Start CallerRemark - 9813151 ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION. UNKNOWN WHO IS RESPONSIBLE. TESTING BEING DONE ON MATERIAL. CLEAN UP TO FOLLOW. CON EDISON # 122676. NO CALL BACK REQUESTED. END CallerRemark - 9813151

NY Hist Spills:

Region of Spill:	2
Spill Number:	9813151
Investigator:	O'CONNELL

MANHOLE #4276 (Continued) **S103827614**

Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	01/26/1999 15:00
Reported to Dept Date/Time:	01/26/99 16:03
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	MIKE CESARE
Spiller Phone:	(212) 580-6763
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/26/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/27/99
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported

MANHOLE #4276 (Continued) **S103827614**

Remark: ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION. UNKNOWN WHO IS RESPONSIBLE. TESTING BEING DONE ON MATERIAL. CLEAN UP TO FOLLOW. CON EDISON 122676. NO CALL BACK REQUESTED.

L73
South
1/8-1/4
0.189 mi.
997 ft.

MANHOLE 7489 **NY Spills** **S103938462**
HURRON ST/FRANKLIN AVE **NY Hist Spills** **N/A**
BROOKLYN, NY

Site 3 of 4 in cluster L

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	113375
Facility Addr2:	Not reported
Facility ID:	9903026
Spill Number:	9903026
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	CAENGELH
Referred To:	Not reported
Spill Date:	06/16/99
Reported to Dept:	06/16/99
CID:	382
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/18/00
Remediation Phase:	0
Date Entered In Computer:	06/16/99
Spill Record Last Update:	06/07/00
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	RICHARD ROACH
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	9903026
DER Facility ID:	98939
Site ID:	113375
Operable Unit ID:	1077618
Operable Unit:	01
Material ID:	302953
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00

MANHOLE 7489 (Continued) **S103938462**

Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9903026 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ENGELHARDT" Con ed e2mis notes: Found 3 gallons unknown oil on 200 gallons water in mh. <1ppm, cleanup completed, and tag removed. Incident is closed.END DECRemark - 9903026
Remarks: Start CallerRemark - 9903026 3 gal spill on 200 gals of water. contained in manhole. sample still pending. con ed 125-583 END CallerRemark - 9903026

NY Hist Spills:
Region of Spill: 2
Spill Number: 9903026
Investigator: ENGELHARDT
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 06/16/1999 09:40
Reported to Dept Date/Time: 06/16/99 10:32
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: ( ) -
Spiller Contact: RICHARD ROACH
Spiller Phone: (212) 580-6763
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/18/00
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/16/99
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/07/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported

MANHOLE 7489 (Continued) **S103938462**

Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	3
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Con ed e2mis notes: Found 3 gallons unknown oil on 200 gallons water in mh. <1ppm, cleanup completed, and tag removed. Incident is closed.
Remark:	3 gal spill on 200 gals of water. contained in manhole. sample still pending. con ed 125-583

L74 **NY Spills** **S106016810**
South **FRANKILIN ST / HURON ST** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.189 mi.
997 ft. **Site 4 of 4 in cluster L**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	62611
Facility Addr2:	Not reported
Facility ID:	0304748
Spill Number:	0304748
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	08/05/03
Reported to Dept:	08/05/03
CID:	205
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/11/04
Remediation Phase:	0
Date Entered In Computer:	08/05/03
Spill Record Last Update:	02/11/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999

(Continued) **S106016810**

Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0304748
DER Facility ID:	60684
Site ID:	62611
Operable Unit ID:	871560
Operable Unit:	01
Material ID:	568505
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0304748 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" See spill # 9604494 (JHO) E2MIS 149650 8/5/03 08:35 HRS. D.MASIELLO #37672 OF CONSTRUCTION MANAGEMENT REPORTS THAT DURING DIGGING OF TEST PIT IN STREET AT 08:25 HRS. FOUND SOIL CONTAMINATED WITH UNKNOWN AMOUNT OF UNKNOWN OIL. DIGGING WAS STOPPED ONCE OIL WAS FOUND -- AMOUNT OF AFFECTED SOIL UNKNOWN AS OF THIS TIME. CREWS WERE ON SITE TO LOCATE AND IDENTIFY FACILITIESFOR A CITY PROJECT. CHEM LAB WAS NOTIFIED AND WILL RESPOND TO TAKE A SOIL SAMPLES. PIT IS COVERED WITH STEEL PLATES. CREWS WILL FILL PIT WITH CLEAN FILL AND RESTORE ROADWAY TO ORIGINAL CONDITION PENDING TEST RESULTS AND CLEANUP. Lab Sequence Number: 03-06482-001 TOTAL PCB 38 ug/Kg (ppb) TPH Method 8100 6530 ppm Lab Sequence Number: 03-06482-002 Benzene 3.28 ug/L (ppb) 8/18/03 The resuslts of the soil samples from the test pit indicate high level of petroleum contaminant and all otherorganics non detect or less than regulatory limits. The test pit was backfilled and street restored. Since this a interference project near our #7 abandoned fuel pipe lines. All previously known spills will be cleaned up during the removal of pipe line and as per guidance provided by DEC. The status of the spill is being changed to REMG - Remediation plan to be prepared. 9/24/03 Bharat Mukhi spoke to Jane O' Connell from DEC and requested that this spill could be merged with another open spill (DEC spill No. 9604494) from the same location. She agreed to that. This spill is being closed. As stated above the work plan to remove pipe line #7 is in progress and Spills along that pipe line will be addressed at that time. END DECRemark - 0304748

Remarks: Start CallerRemark - 0304748 test pit has contaminated soil in it. con ed 149650. END CallerRemark - 0304748

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75 East 1/8-1/4 0.189 mi. 1000 ft. | **EAGLE ST & MANHATTAN AVE.** | **NY Spills** **S102147733**
EAGLE ST / MANHATTAN AVE | **NY Hist Spills** **N/A**
BROOKLYN, NY

Relative: Higher

Actual: 15 ft.

NY Spills:

Site ID:	211474
Facility Addr2:	Not reported
Facility ID:	9313255
Spill Number:	9313255
Facility Type:	ER
SWIS:	2401

EAGLE ST & MANHATTAN AVE. (Continued) **S102147733**

Region of Spill:	2
Investigator:	CAENGELH
Referred To:	Not reported
Spill Date:	02/08/94
Reported to Dept:	02/08/94
CID:	Not reported
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/23/03
Remediation Phase:	0
Date Entered In Computer:	02/11/94
Spill Record Last Update:	04/23/03
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9313255
DER Facility ID:	175245
Site ID:	211474
Operable Unit ID:	991705
Operable Unit:	01
Material ID:	388641
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Sewer
Oxygenate:	False

DEC Memo: Start DECRemark - 9313255 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ENGELHARDT" 2/8/94, 5:00 PM: At site. Sewage was backing up into basement of 6 apartment buildings. DEP investigated yesterday and found a solid slug of #6oil in the manhole at corner of Eagle & Manhattan. Con Ed, MEG and a construction contractor are on-site. Con Ed to conduct pressure-decay test at 10:00 PM to determine if leak is theirs (pipeline no. 7 runs adjacent to sewer line). Con Ed to sample of oil - frozen block. Blockage is thought to be #6 oil and is north of manhole. OK'd pumping out manhole that is filled with sewage due to blockage, and pumping this into clear manhole in an effort to clear the sewer line of sewage so that steam can be injected to mobilize the oil. This is having little effect. 6600 gallons removed and watre level in vault only dropped about a foot. In 100 feet of 12" diameter pipe there is only

EAGLE ST & MANHATTAN AVE. (Continued) **S102147733**

500+ gallons. At about 8:30 PM Con Ed noticed low-pour oil coming into the manhole on Eagle & Manhattan. Con Ed began excavating at this corner - MEG vacing out manhole. Sometime around 10:15 PM Con Ed was going to switch oil in pipeline back from low-pour (which had been pumped into the line to shut itdown) back to high pour because they need to use Ravenswood for energy generation. Left scene about 10;15 PM. MEG was to have 2nd vac truck arrive. They were also to have "trash pump" arrive in order to pump the sewage from the backed up manholeto a downstream manhole. (CAE) 2/9/94, 9:45 AM: Con Ed still on scene as well as MEG and construction contractor. Excavation now to top of pipe. Oil is now seeping into the trench. Oil no longer seeping into sewage manhole, but there is about 10-20 gallons of solidified oil caked in the bottom of the manhole. When repair is complete MEG will inject hot water to soften the oil in the sewer line and remove via vac truck. MEG has been pumping sewer - 2 x 5000 gallon loads reduced backup sizeably. Now continuously vacing out - sewer manhole that was full is now empty. No one noticed a big plug of oil coming down the sewer at any time and MEG says they did not break though the blockage, just that they finally removed enough sewage to empty the vault. (CAE) 2/9/94, 4:00 PM: Con Ed still has not found leak, but there was a considerable quantity of oil flowing into the trench. The pipe was exposed halfway, but the bottom is still buried. (CAE) 5:30 PM: returned to scene. Con Ed did not find leak in original excavation (on Manhattan Ave. north of Eagle St.). Are continuing to excavate southwest (around corner). Sewer still being pumped out by MEG. (CAE) 2/10/94, 10:45 AM: still had not found leak. They are going to putlow-pour oil back into line to try to find leak. So far 600 gallons of oil removed and almost 4 roll-offs of contaminated soil. Sewer was cleared last night by MEG with high-pressure steam. Found a small log coated with oil that was blocking sewer.(CAE) 2/11/94, 8:10 AM: Con Ed located and clamped leak at 3 AM. Are getting ready to do pressure test. Con Ed will clean up as much as they can. (CAE) 2/15/94: oil is again clogging sewer causing backup into basement of building at north endof block. Con Ed dug two test pits - oil contaminated but no flow found. Doing pressure decay test to determine if there is another leak. (CAE) 2/16/94, 11:40 AM: Pressure decay test last night revealed no leak. To date removed 6 full roll-offs,7th is half-full, and 4500 gallons of oil/water mixture. 3/29/94: End point sampling of spill - took 5 samples with Mariela Gonzalez (Con Ed Remediation): Sample 1 - mild petrol odor (oil & grease, SVOCs) Sample 2 - no visual or olfactory contamination (O&G) Sample 3 - " " " " " (O&G, SVOCs) Sample 4 - visually saturated with oil (no analysis) Sample 5 - appears to be clean backfill (O&G) There was some residual oil on some of the old brick wall inside the trench and someon the sheeting but most had been removed. Several feet of soil/gravel had been backfilled already. Con Ed said this was so that workers could work becuase there was so much water on the bottom of the trench. John Mitchell (Con Ed UT) said this was done routinely at all pipeline spills. Told him that in the future we either need to do sampling before backfill or we need to bring equipment capable of doing sampling through the backfill. (CAE) 10/10/95: This is additional information about material spilled from the translation of the old spill file: LOW POUR OIL. 5/3/00: During construction activities by NYCDDC contractor, fuel oil contamination was uncovered on Manhattan Ave just north of Eagle St (spill # 0001377). This led toCon Ed conducting expedited tightness testing of section of pipeline no. 7 between Manhattan Avenue at Newtown Creek to the intersection of Eagle Street and Franklin Ave. (JHO) Following completion of the tightness test, an excavation was completed from the initial repair site (Eagle St/Manhattan Ave corner) north along Manhattan Ave to Dupont St. Contaminated soil was removed, and post-excavation soil samples were collected. In addition, 4 monitoring wells were installed for collection ofground water samples. (JHO) 6/8/01: Con Ed submits Summary of Investigation and Remediation Report, which includes

EAGLE ST & MANHATTAN AVE. (Continued) **S102147733**

analytical results for soil and groundwater samples. Soil and gw results indicate no residual dissolved-phase contamination exceeding guidance values/standards, however one of the wells exhibits 0.01' of product during one of the gauging events. DEC requests assitional monitoring and gw sampling. However, wells were paved over, so 2 new wells were installed to replace them. (JHO) 2/22/02: First set of gw samples, as well as additional soil samples (collected during installation of 2 new wells) submitted - results indicate no residual contamination above guidance values/standards. No free product noted in either well. (JHO) 4/12/02: Second set of gw sampling data submitted. No VOCs above gw standards, 6 SVOCs slightly above standards. However, no correlation between gw and soil (no detectable concentrations in soil). (JHO) 1/29/03: Closure request and Remediation Certification received from Con Ed. (JHO) 4/23/03: Closure request and Remediation Certificate approved. (JHO) END DECRemark - 9313255

Remarks: Start CallerRemark - 9313255 HOLE IN OIL LINE - CON-ED ON SCENE - DEC ALREADY ON SCENE - USCG OFF - GAMACHE (212)668-7920. END CallerRemark - 9313255

NY Hist Spills:

Region of Spill:	2
Spill Number:	9313255
Investigator:	ENGELHARDT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/08/1994 23:05
Reported to Dept Date/Time:	02/08/94 22:17
SWIS:	61
Spiller Name:	CON ED
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/11/94
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/16/98

EAGLE ST & MANHATTAN AVE. (Continued) **S102147733**

Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	10/10/95: This is additional information about material spilled from the translation of the old spill file: LOW POUR OIL.
Remark:	HOLE IN OIL LINE - CON-ED ON SCENE - DEC ALREADY ON SCENE - USCG OFF - GAMACHE 212)668-7920.

N76 **GREENPOINT HOTEL** **UST** **U001831977**
ENE **1109 MANHATTAN AVENUE** **HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.191 mi.
1009 ft. **Site 1 of 2 in cluster N**

Relative:
Higher

Actual:
15 ft.

UST:

UST:

Facility Id:	2-083526
Region:	STATE
Expiration Date:	01/27/04
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	GREENPOINT HOTEL
Mailing Title:	Not reported
Mailing Contact:	ROBERTI POLANCO
Mailing Address:	1109 MANHATTAN AVE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	(718) 389-4743
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	17 BATTERY PLACE
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	10004
Owner Phone:	(212) 293-8420
Owner Company:	PRAXIS HOUSING INITIATIVES, INC
Emergency Contact:	SUGIN JORGENSEN
Emergency Phone:	(212) 678-4820

GREENPOINT HOTEL (Continued) **U001831977**

Operator:	ROBERT POLANCO
Operator Phone:	(718) 389-4747
Owner City:	NEW YORK
Owner Sub Type:	Corporate or Commercial
UTM X:	588244.07340
UTM Y:	4509988.40323
Site Type Name:	Other
Site Type Status:	Unregulated
Comments:	Not reported
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	5000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	Epoxy Liner
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	Painted/Asphalt Coating
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Float Vent Valve
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Submersible
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	02/01/03

HIST UST:

PBS Number:	2-083526
SPDES Number:	Not reported
Emergency Contact:	SUGIN JORGENSEN
Emergency Telephone:	(212) 678-4820
Operator:	ROBERT POLANCO
Operator Telephone:	(718) 389-4747
Owner Name:	PRAXIS HOUSING INITIATIVES, INC
Owner Address:	17 BATTERY PLACE
Owner City,St,Zip:	NEW YORK, NY 10004
Owner Telephone:	(212) 293-8420

GREENPOINT HOTEL (Continued) **U001831977**

Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	GREENPOINT HOTEL
Mailing Address:	1109 MANHATTAN AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11222
Mailing Contact:	ROBERTI POLANCO
Mailing Telephone:	(718) 389-4743
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	1109 MANHATTAN AVENUE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	02/01/1999
Expiration Date:	01/27/2004
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Epoxy Liner
Pipe External:	Painted/Asphalt Coating
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Float Vent Valve
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	12/27/1987
Missing Data for Tank:	No Missing Data

GREENPOINT HOTEL (Continued) **U001831977**

Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

N77 **1109 MANHATTAN AVE** **NY Spills** **S102402131**
ENE **1109 MANHATTAN AVE** **NY Hist Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.191 mi.
1009 ft. **Site 2 of 2 in cluster N**

Relative:
Higher

Actual:
15 ft.

NY Spills:

Site ID:	143939
Facility Addr2:	Not reported
Facility ID:	9608561
Spill Number:	9608561
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	MCTIBBE
Referred To:	Not reported
Spill Date:	10/09/96
Reported to Dept:	10/09/96
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/22/96
Remediation Phase:	0
Date Entered In Computer:	10/09/96
Spill Record Last Update:	07/02/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9608561
DER Facility ID:	122719
Site ID:	143939
Operable Unit ID:	1039775
Operable Unit:	01
Material ID:	569632
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported

1109 MANHATTAN AVE (Continued) **S102402131**

Material FA: Petroleum
Quantity: 100.00
Units: Gallons
Recovered: 0.00
Resource Affected: Sewer
Oxygenate: False
DEC Memo: Start DECRemark - 9608561 Prior to Sept, 2004 data translation this spill Lead DEC Field was "TIBBE" handled by nyc dep. END DECRemark - 9608561
Remarks: Start CallerRemark - 9608561 NOT CLEANED UP YET! ALL EMERGENCY AGENCIES ARE BEING NOTIFIED AT THIS TIME END CallerRemark - 9608561

NY Hist Spills:
Region of Spill: 2
Spill Number: 9608561
Investigator: TIBBE
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 10/09/1996 14:18
Reported to Dept Date/Time: 10/09/96 14:38
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: In Sewer
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Citizen
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/09/96
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/18/96
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported

1109 MANHATTAN AVE (Continued) **S102402131**

Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	100
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	NOT CLEANED UP YET ALL EMERGENCY AGENCIES ARE BEING NOTIFIED AT THIS TIME

78
SSE
1/8-1/4
0.192 mi.
1011 ft.

FRANKLIN / HURON STREETS **NY Spills** **S103272959**
FRANKLIN / HURON STREETS **NY Hist Spills** **N/A**
BROOKLYN, NY

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	193525
Facility Addr2:	Not reported
Facility ID:	9613704
Spill Number:	9613704
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	KATZ
Referred To:	Not reported
Spill Date:	02/21/97
Reported to Dept:	02/21/97
CID:	282
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/18/97
Remediation Phase:	0
Date Entered In Computer:	02/21/97
Spill Record Last Update:	04/04/03
Spiller Name:	MR SUDOL
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Spiller Phone:	(718) 802-5178
Contact Name:	MR SUDOL
Contact Phone:	(718) 802-5178
DEC Region:	2

FRANKLIN / HURON STREETS (Continued) **S103272959**

Program Number:	9613704
DER Facility ID:	161348
Site ID:	193525
Operable Unit ID:	1041284
Operable Unit:	01
Material ID:	338809
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9613704 THEY JUST FOUND OIL ON TOP OF THE GROUND.ABOUT 5 FEET ROUND IN SIZE IT MAY BE FROM A FUEL LINE BUT HAS NOT BEEN CONFIRMED. NYFD WAS ON THE SCENE AND LEFT. END CallerRemark - 9613704

NY Hist Spills:

Region of Spill:	2
Spill Number:	9613704
Investigator:	KATZ
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/21/1997 17:50
Reported to Dept Date/Time:	02/21/97 20:15
SWIS:	61
Spiller Name:	CON ED
Spiller Contact:	MR SUDOL
Spiller Phone:	(718) 802-5178
Spiller Contact:	MR SUDOL
Spiller Phone:	(718) 802-5178
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003-
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/18/97

FRANKLIN / HURON STREETS (Continued) **S103272959**

Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/21/97
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/08/98
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#6 FUEL OIL
Class Type:	#6 FUEL OIL
Times Material Entry In File:	2190
CAS Number:	Not reported
Last Date:	19940728

DEC Remarks: 2/21/97: Ken Sudol - Control Center. Mr. Bell is on-site supervisor. Closed street. Two 5 wet stains.. Steve Romero - customer called in oil on ground. Field crews said it looks like asphalt leaching temporary asphalt laid down. John MitchellUnderground Transmissions - MEG expected to arrive on site @2100 hrs. John Mitchell checked 4 monitoring wells around pipeline - found no oil in them. John Michell 2045 hrs): temporary asphalt weeping 5 spots. Wells all OK - pumped out earlier today. Pressure decay test on pipeline on 2/20 passed. Crew to monitor thoughout the night. 2/25/97: John Mitchell - false alarm.

Remark: THEY JUST FOUND OIL ON TOP OF THE GROUND.ABOUT 5 FEET ROUND IN SIZE IT MAY BE FROM A FUEL LINE BUT HAS NOT BEEN CONFIRMED. NYFD WAS ON THE SCENE AND LEFT.

79
South
1/8-1/4
0.196 mi.
1033 ft.

CONS0LIDATED EDISON CO OF NY
66 HURON ST.
BROOKLYN, NY

MANIFEST **1007943684**
N/A

Relative:
Lower

Actual:
9 ft.

CT MANIFEST:

Manifest No:	Not reported
Waste Occurence:	Not reported
UNNA:	Not reported
Hazard Class:	Not reported
US Dot Description:	Not reported
No of Containers:	Not reported
Container Type:	Not reported
Quantity:	Not reported
Weight/Volume:	Not reported
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	Not reported
DEO Who Last Modified Record:	Not reported
Manifest No:	Not reported
Waste Occurence:	Not reported
EPA Waste Code:	Not reported
Recycled Waste?:	Not reported

CONS0LIDATED EDISON CO OF NY (Continued) **1007943684**

Date Record Was Last Modified:	Not reported
DEO Who Last Modified Record:	Not reported
Year:	1997
Manifest ID:	CTF0387162
TSDF EPA ID:	CTD000604488
TSDF Name:	CLEAN HARBORS OF CONNECTICUT, INC.
TSDF Address:	51 BRODERICK RD
TSDF City,St,Zip:	BRISTOL, CT 06010
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	06/10/97
Transporter EPA ID:	MAD039322250
Transporter Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	/ /
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
Generator EPA ID:	NYP004006604
Gererator Phone:	Not reported
Generator Address:	Not reported
Generator City,State,Zip:	Not reported
Generator Country:	Not reported
Special Handling:	Not reported
Discrepancies:	Not reported
Date Shipped:	06/10/97
Date Received:	/ /
Last modified date:	04/26/04
Last modified by:	IG
Comments:	Not reported

80
East
1/8-1/4
0.200 mi.
1054 ft.

DUPONT ASSOC **AST** **U003385898**
127 DUPONT ST **HIST AST** **N/A**
BROOKLYN, NY 11222

Relative:
Higher

Actual:
15 ft.

AST:

AST:

Region:	STATE
Facility Id:	2-150843
UTM X:	588271.29715
UTM Y:	4509927.52971
Expiration Date:	12/23/91
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Site Type Name:	Unknown
Site Type Status:	Unregulated
Mailing Company:	DUPONT ASSOC
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	32 COURT ST

DUPONT ASSOC (Continued) **U003385898**

Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11201
Mailing Phone No:	(718) 855-0740
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	32 COURT ST
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11201
Owner Phone:	(718) 855-0740
Owner Company:	DUPONT ASSOC
Emergency Contact:	WM L HIGGINS
Emergency Phone:	(718) 287-5500
Operator:	CARMAN
Operator Phone:	(718) 855-0740
Owner City:	BROOKLYN
Owner Sub Type:	Not reported
Program Type:	PBS

Tank Number:	001
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	4000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Not reported
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

DUPONT ASSOC (Continued) **U003385898**

HIST AST:

PBS Number:	2-150843
SWIS Code:	6101
Operator:	CARMAN
Facility Phone:	(718) 855-0740
Facility Addr2:	127 DUPONT ST
Facility Type:	Not reported
Emergency:	WM L HIGGINS
Emergency Tel:	(718) 287-5500
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	DUPONT ASSOC
Owner Address:	32 COURT ST
Owner City,St,Zip:	BROOKLYN, NY 11201
Federal ID:	Not reported
Owner Tel:	(718) 855-0740
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	DUPONT ASSOC
Mailing Address:	32 COURT ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11201
Mailing Telephone:	(718) 855-0740
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Certification Flag:	False
Certification Date:	Not reported
Expiration:	12/23/1991
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (Gal):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported

DUPONT ASSOC (Continued) **U003385898**

Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

81
South
1/8-1/4
0.203 mi.
1072 ft.

CON ED - IN FRONT OF
204 FRANKLIN ST
BROOKLYN, NY

NY Spills **S107657493**
N/A

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	360686
Facility Addr2:	Not reported
Facility ID:	0514059
Spill Number:	0514059
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	GDBREEN
Referred To:	Not reported
Spill Date:	03/08/06
Reported to Dept:	03/08/06
CID:	14
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/24/06
Remediation Phase:	0
Date Entered In Computer:	03/08/06
Spill Record Last Update:	03/31/06
Spiller Name:	ERT DESK
Spiller Company:	CON EDISON
Spiller Address:	204 FRANKLIN ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Spiller Phone:	(212) 580-8383
Contact Name:	ERT DESK'
Contact Phone:	(212) 580-8383

CON ED - IN FRONT OF (Continued) **S107657493**

DEC Region:	2
Program Number:	0514059
DER Facility ID:	310871
Site ID:	360686
Operable Unit ID:	1117811
Operable Unit:	01
Material ID:	2108318
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0514059 3/24/06 This spill is being closed based on report in eDocs link. (SKA) END DECRemark - 0514059
Remarks:	Start CallerRemark - 0514059 contamination due to excavation of a old fuel line. no to the 5 questions. 163249 END CallerRemark - 0514059

O82 **VAULT #VS3484** **NY Spills** **S106126571**
SSW **WEST ST / HURON ST** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.205 mi.
1082 ft. **Site 1 of 2 in cluster O**

Relative:
Lower

Actual:
8 ft.

NY Spills:

Site ID:	158451
Facility Addr2:	Not reported
Facility ID:	0308816
Spill Number:	0308816
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	11/19/03
Reported to Dept:	11/19/03
CID:	205
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/22/03
Remediation Phase:	0
Date Entered In Computer:	11/19/03
Spill Record Last Update:	03/02/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported

VAULT #VS3484 (Continued) **S106126571**

Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0308816
DER Facility ID:	133893
Site ID:	158451
Operable Unit ID:	874993
Operable Unit:	01
Material ID:	498731
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	8.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0308816 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" e2mis no. 151-195: 11/19/03 08:50 HRS. FOUND APPROX. 8 GAL. UNKNOWN OIL ON APPROX. 300 GAL. WATER IN VS-34 (FEEDER 6B44). NO SUMP PUMP. SPILLAPPEARS TO BE CONTAINED. LIQUID SAMPLE TAKEN. FOUND OIL LEVEL AT 25 (NORMAL LEVEL) AND HE WILL BE PRESSURE TESTING THE TRANSFORMER. CLEANUP PENDING PCB RESULTS FROM CHEM LAB. ****** TRANSFORMER INFORMATION FROM E.C.C. WAREHOUSE ****** Serial ID:E376869, MFG Code: GE, Installation Date 06/28/2001, Manufacture Date: Not available Sample Date: 08/06/1998, Lab Seq No: 98-08261, PCB Parts Per Million: 14 11/19/03 09:20 HRS. -- J. LYONS REPORTS HE PRESSURE-TESTED TRANSFORMER FOR 1/2 HOUR ANDIT HELD PRESSURE. LSN# 09387, MATRIX: OIL, GRAB TOTAL PCB 18 PPM. STRUCTURE DBL. WASHED WITH BIO-GEN 70. SUMP FOUND SEALED IN STRUCTURES. TAG #30090 REMOVED. CLEANUP COMPLETE. END DECRemark - 0308816

Remarks: Start CallerRemark - 0308816 8 GALLONS ON 300 GALLONS WATER. CON ED #151195. PRESSURE TESTED TRANSFORMER. TRANSFORMER NOT LEAKING. END CallerRemark - 0308816

Site ID:	158452
Facility Addr2:	Not reported
Facility ID:	0402182
Spill Number:	0402182
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	05/27/04
Reported to Dept:	05/27/04
CID:	407
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended

VAULT #VS3484 (Continued) **S106126571**

UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/14/04
Remediation Phase:	0
Date Entered In Computer:	05/27/04
Spill Record Last Update:	09/14/04
Spiller Name:	ERT DESK
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Spiller Phone:	(212) 580-8383
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0402182
DER Facility ID:	133893
Site ID:	158452
Operable Unit ID:	883915
Operable Unit:	01
Material ID:	555146
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False

DEC Memo: Start DECRemark - 0402182 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" e2mis no. 153605: APPROX. 1 QT OF TRANSFORMER DIELECTRIC FLUID ON APPROX. 345 GAL'S OF WATER AND ON UNIT. SPILL IS CONTAINED. CLEANUP WILL BEPENDING UNIT DEENERGIZATION. NETWORK CREW REQUESTED TO PRESSURE TEST UNIT. SERIAL# E376869, MFG- GE, INSTALL DATE- 6/28/2001, PCB HIST.- 14 PPM 8/10/98. Lab Sequence Number: 04-04162-001: PCBs < 1ppm 6/14/04 180HRS SELEDDSOE #1 NETW REPORTSUNIT WAS DRAINED OF 355 GALLONS OF OIL PLATE ON UNIT READS 355 GALLONS. ALSO UNIT HAS BEEN REMOVED. TAG REMAINS PENDING CLEANUP. 6/14/04 2000HRS D.BANKHEAD ENVIR OPPS REPORTS CLEANUP COMPLETED DOULBED WASHED STRUCTURE USING BIO-760. FOUND SUMP SEALED. REMOVED ENVIR TAG. END DECRemark - 0402182

Remarks: Start CallerRemark - 0402182 SPILL AMOUNT 1 quart in 345 gallons of water. Cleanup pending deactivation of transformer, will also pressure test the transformer. END CallerRemark - 0402182

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

O83 SSW 1/8-1/4 0.205 mi. 1082 ft. | **TOWARDS RIVER HURON ST/ WEST ST GREENPOINT, NY** | **NY Spills** | **S107522743 N/A**

Site 2 of 2 in cluster O

Relative: Lower

Actual: 8 ft.

NY Spills:

Site ID:	359233
Facility Addr2:	Not reported
Facility ID:	0512852
Spill Number:	0512852
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SFRAHMAN
Referred To:	Not reported
Spill Date:	02/06/06
Reported to Dept:	02/06/06
CID:	409
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/10/06
Remediation Phase:	0
Date Entered In Computer:	02/06/06
Spill Record Last Update:	03/10/06
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	DANIEL WALSH
Contact Phone:	(718) 595-4625
DEC Region:	2
Program Number:	0512852
DER Facility ID:	309258
Site ID:	359233
Operable Unit ID:	1116456
Operable Unit:	01
Material ID:	2106866
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0512852 Added to drum run. 03.10.06 Sharif Rahman-On

TOWARDS RIVER (Continued) **S107522743**

Remarks: 03.07.06- Drum found-was pumped out. END DECRemark - 0512852
Start CallerRemark - 0512852 OVERPACKED DRUM THAT NEEDS TO BE PICKED UP./ END CallerRemark - 0512852

P84 **VAULT #V4191** **NY Spills** **S104509016**
ESE **FREEMAN/MANHATTAN** **NY Hist Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.206 mi.
1085 ft. **Site 1 of 2 in cluster P**

Relative:
Higher

Actual:
14 ft.

NY Spills:

Site ID:	222177
Facility Addr2:	Not reported
Facility ID:	9911834
Spill Number:	9911834
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	COMENALE
Referred To:	Not reported
Spill Date:	01/11/00
Reported to Dept:	01/11/00
CID:	252
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/04/02
Remediation Phase:	0
Date Entered In Computer:	01/11/00
Spill Record Last Update:	03/04/02
Spiller Name:	BRIAN JOYCE
Spiller Company:	VAULT #V4191
Spiller Address:	FREEMAN/MANHATTAN
Spiller City,St,Zip:	BROOKLYN, ZZ
Spiller Company:	001
Spiller Phone:	(212) 580-6763
Contact Name:	BRIAN JOYCE
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	9911834
DER Facility ID:	183730
Site ID:	222177
Operable Unit ID:	1086401
Operable Unit:	01
Material ID:	297276
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4.00

VAULT #V4191 (Continued) **S104509016**

Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9911834 NO SEWERS OR WATER WAYS AFFECTED-SPILL IS CONTAINED-SAMPLE TAKEN TAG PLACED-CLEANUP PENDING RESULTS- CON ED #129561 END CallerRemark - 9911834

NY Hist Spills:
Region of Spill: 2
Spill Number: 9911834
Investigator: COMENALE
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 01/11/2000 14:45
Reported to Dept Date/Time: 01/11/00 15:35
SWIS: 61
Spiller Name: VAULT #V4191
Spiller Contact: BRIAN JOYCE
Spiller Phone: (212) 580-6763
Spiller Contact: BRIAN JOYCE
Spiller Phone: (212) 580-6763
Spiller Address: FREEMAN/MANHATTAN
Spiller City,St,Zip: BROOKLYN
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 01/11/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 02/18/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported

VAULT #V4191 (Continued) **S104509016**

Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	4
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	DIELECTRIC FLUID
Class Type:	DIELECTRIC FLUID
Times Material Entry In File:	41
CAS Number:	Not reported
Last Date:	Not reported
DEC Remarks:	Not reported
Remark:	NO SEWERS OR WATER WAYS AFFECTED-SPILL IS CONTAINED-SAMPLE TAKEN TAG PLACED-CLEANUP PENDING RESULTS- CON ED 129561

Q85
NE
1/8-1/4
0.209 mi.
1102 ft.

M. HILLER & SON INC. **UST** **U004078912**
1133 MANHATTAN AVENUE **N/A**
BROOKLYN, NY 11222

Site 1 of 3 in cluster Q

Relative:
Higher

Actual:
13 ft.

UST:

UST:

Facility Id:	2-608268
Region:	STATE
Expiration Date:	02/12/08
Renewal Date:	/ /
Total Capacity:	2020
Facility Type:	Not reported
Mailing Company:	M. HILLER & SON INC.
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	1133 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	(718) 383-2833
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	1133 MANHATTAN AVE
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222
Owner Phone:	(718) 383-2833
Owner Company:	M. HILLER & SON INC.
Emergency Contact:	MELVIN HILLER
Emergency Phone:	(516) 295-1792
Operator:	LEONARD HILLER
Operator Phone:	(718) 383-2833
Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial
UTM X:	588195.43276
UTM Y:	4510097.77614
Site Type Name:	Other

M. HILLER & SON INC. (Continued) **U004078912**

Site Type Status:	Active
Comments:	Not reported
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Underground, vaulted, with access
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	/ /
Capacity Gallons:	2020
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

86
NE
1/8-1/4
0.210 mi.
1109 ft.

MANHOLE 4285
MANHATTEN AV / COMERCIAL
BROOKLYN, NY

NY Spills **S103936623**
NY Hist Spills **N/A**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	309988
Facility Addr2:	Not reported
Facility ID:	9900973
Spill Number:	9900973
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	04/26/99
Reported to Dept:	04/26/99
CID:	322

MANHOLE 4285 (Continued) **S103936623**

Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/11/99
Remediation Phase:	0
Date Entered In Computer:	04/26/99
Spill Record Last Update:	06/14/00
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9900973
DER Facility ID:	250230
Site ID:	309988
Operable Unit ID:	1079748
Operable Unit:	01
Material ID:	304514
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9900973 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Con ed e2mis notes: Found 2 qts of unknown oil on 10 gal of water in mh4285. Tank in hole but not leaking. Lab Sequence #99-04240 <1.00ppmEnv. ops. reports <1.0ppm cleanup complete and tag removed. END DECRemark - 9900973
Remarks:	Start CallerRemark - 9900973 2 QUARTS OF OIL ON 10 GAL OF WATER - SAMPLES HAVE BEEN TAKEN CLEAN UP PENDING RESULTS - CON ED #124430 END CallerRemark - 9900973

NY Hist Spills:

Region of Spill:	2
Spill Number:	9900973
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported

MANHOLE 4285 (Continued) **S103936623**

Notifier Phone:	Not reported
Spill Date/Time:	04/26/1999 09:30
Reported to Dept Date/Time:	04/26/99 10:35
SWIS:	61
Spiller Name:	UNK
Spiller Contact:	UNK
Spiller Phone:	( ) -
Spiller Address:	UNK
Spiller City,St,Zip:	UNK
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/11/99
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	04/26/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/14/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Con ed e2mis notes: Found 2 qts of unknown oil on 10 gal of water in mh4285. Tank in hole but not leaking. Lab Sequence 99-04240 <1.00ppm Env. ops. reports <1.0ppm cleanup complete and tag removed.
Remark:	2 QUARTS OF OIL ON 10 GAL OF WATER - SAMPLES HAVE BEEN TAKEN CLEAN UP PENDING RESULTS - CON ED 124430

P87 ESE 1/8-1/4 0.212 mi. 1119 ft.

KELLY CLEANERS
1036 MANHATTAN AVE
BROOKLYN, NY 11222

FINDS **1000293260**
MANIFEST **NYD049146186**
RCRA-NonGen

Site 2 of 2 in cluster P

Relative: Higher

Actual: 14 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID:	NJA0177484
Manifest Status:	Completed copy
Trans1 State ID:	NJSWAS284
Trans2 State ID:	Not reported
Generator Ship Date:	860206
Trans1 Recv Date:	860206
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	860206
Part A Recv Date:	860221
Part B Recv Date:	860221
Generator EPA ID:	NYD049146186
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00190
Units:	P - Pounds
Number of Containers:	003
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	86
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

KELLY CLEANERS (Continued) **1000293260**

EPA ID:	NYD049146186
Facility Name:	KELLY CLNRS
Facility Address:	1036 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	KELLY CLNRS
Mailing Contact:	KELLY CLNRS
Mailing Address:	1036 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-3718

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	KELLY CLEANERS
Facility address:	1036 MANHATTAN AVE BROOKLYN, NY 112221316
EPA ID:	NYD049146186
Mailing address:	MANHATTAN AVE BROOKLYN, NY 11222
Contact:	-
Contact address:	MANHATTAN AVE BROOKLYN, NY 11222
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste
Handler accessibilty indicator:	Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency:	07/08/1999

KELLY CLEANERS (Continued) **1000293260**

Facility name: KELLY CLEANERS
Classification: Not a generator, verified

Date form received by agency: 03/11/1985
Facility name: KELLY CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

Q88
NE
1/8-1/4
0.212 mi.
1121 ft.

MANHOLE #4294 **NY Spills** **S104790492**
MANHATEEN AV / BOX ST **NY Hist Spills** **N/A**
BROOKLYN, NY

Site 2 of 3 in cluster Q

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	79344
Facility Addr2:	Not reported
Facility ID:	0008128
Spill Number:	0008128
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	OKWUOHA
Referred To:	Not reported
Spill Date:	10/11/00
Reported to Dept:	10/11/00
CID:	257
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/14/01
Remediation Phase:	0
Date Entered In Computer:	10/11/00
Spill Record Last Update:	12/14/01
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	TED ROBICHAUD
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0008128
DER Facility ID:	73757
Site ID:	79344
Operable Unit ID:	828729
Operable Unit:	01
Material ID:	545650
Material Code:	0066A

MANHOLE #4294 (Continued) **S104790492**

Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 0008128 cleanup pending test results ref #133888 END CallerRemark - 0008128

NY Hist Spills:
Region of Spill: 2
Spill Number: 0008128
Investigator: OKWUOHA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 10/11/2000 11:00
Reported to Dept Date/Time: 10/11/00 11:27
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Contact: TED ROBICHAUD
Spiller Phone: (212) 580-6763
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/14/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/11/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 12/14/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported

MANHOLE #4294 (Continued) **S104790492**

Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Con Ed e2mis 133888 Notes: 10-11-00 1 gal unknown oil on 15gal water in manhole. Analysis returned as <1ppm PCB. 10-30-00 Cleanup completed by double washing with slix. Liquids removed by tanker, solids removed using diapers and coagulant. No leaking company equipment. Found no sump.
Remark:	cleanup pending test results ref 133888

Q89 **CON EDISON** **MANIFEST** **1010326036**
NE **MANHATTAN AVE & BOX ST** **RCRA-NonGen** **NYP004138830**
1/8-1/4 **BROOKLYN, NY 11222**
0.213 mi.
1125 ft. **Site 3 of 3 in cluster Q**

Relative:
Higher

Actual:
13 ft.

NY MANIFEST:

Document ID:	NYE1605537
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	01/04/2006
Trans1 Recv Date:	01/04/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/05/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004138830
Trans1 EPA ID:	18887JU
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	06
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported

CON EDISON (Continued) **1010326036**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP004138830
Facility Name:	CONSOLIDATED EDISON
Facility Address:	MH7662-MANHATTAN AVE & BOX ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NYE1605537
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	01/04/2006
Trans1 Recv Date:	01/04/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/05/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004138830
Trans1 EPA ID:	18887JU
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	06
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP004138830
Facility Name:	CONSOLIDATED EDISON

CON EDISON (Continued) **1010326036**

Facility Address: MH7662-MANHATTAN AVE & BOX ST
Facility City: BROOKLYN
Facility Address 2: Not reported
Country: USA
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLYN MURRAY
Mailing Address: 4 IRVING PL RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-460-2808

RCRA-NonGen:
Date form received by agency: 07/06/2006
Facility name: CON EDISON
Facility address: MANHATTAN AVE & BOX ST
BROOKLYN, NY 11222
EPA ID: NYP004138830
Mailing address: 4 IRVING PL, RM 828
NEW YORK, NY 10003
Contact: STEVEN - MARTIS
Contact address: 4 IRVING PL, RM 828
NEW YORK, NY 10003
Contact country: US
Contact telephone: (212) 580-8383
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: Unknown
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: Unknown
Underground injection activity: Unknown
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: Unknown
Used oil processor: Unknown
User oil refiner: Unknown
Used oil fuel marketer to burner: Unknown
Used oil Specification marketer: Unknown
Used oil transfer facility: Unknown
Used oil transporter: Unknown
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 07/05/2006
Facility name: CON EDISON
Classification: Unverified

CON EDISON (Continued) **1010326036**

Violation Status: No violations found

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90 SE 1/8-1/4 0.215 mi. 1136 ft. | **129 HURON ST**
129 HURON ST
BKLYN, NY 11222 | **AST** **U003391280**
HIST AST **N/A**

Relative: Higher

Actual: 14 ft.

AST:

AST:

Region:	STATE
Facility Id:	2-374687
UTM X:	588156.27190
UTM Y:	4509592.72202
Expiration Date:	10/02/12
Renewal Date:	/ /
Total Capacity:	1500
Facility Type:	Not reported
Site Type Name:	Private Residence
Site Type Status:	Active
Mailing Company:	JAVED ABIDI
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	PO BOX 942
Mailing Address 2:	Not reported
Mailing City:	FLUSHING
Mailing State:	NY
Mailing Zip Code:	11372
Mailing Phone No:	Not reported
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	PO BOX 942
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11372
Owner Phone:	Not reported
Owner Company:	JAVED ABIDI
Emergency Contact:	JAVED ABIDI
Emergency Phone:	Not reported
Operator:	JAVED ABIDI
Operator Phone:	Not reported
Owner City:	FLUSHING
Owner Sub Type:	Private Resident
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	05/10/80
Capacity Gallons:	1500
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None

129 HURON ST (Continued) **U003391280**

Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Other
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

HIST AST:

PBS Number:	2-374687
SWIS Code:	6101
Operator:	JAVED ABIDI
Facility Phone:	(718) 426-9889
Facility Addr2:	129 HURON ST
Facility Type:	APARTMENT BUILDING
Emergency:	TANVEER HAIDER
Emergency Tel:	(718) 426-9889
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	JAVED ABIDI
Owner Address:	PO BOX 942
Owner City,St,Zip:	FLUSHING, NY 11377
Federal ID:	Not reported
Owner Tel:	(718) 424-5937
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	JAVED ABIDI
Mailing Address:	PO BOX 942
Mailing Address 2:	Not reported
Mailing City,St,Zip:	FLUSHING, NY 11377
Mailing Telephone:	(718) 424-5937
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/17/1992
Expiration:	10/02/1997
Renew Flag:	False
Renew Date:	Not reported

129 HURON ST (Continued) **U003391280**

Total Capacity:	1500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	9
Overfill Protection:	Not reported
Dispenser Method:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

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91 **M & W INC.** **AST** **A100294904**
ENE **81 CLAY ST** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.225 mi.
1190 ft.

Relative:
Higher

Actual:
14 ft.

AST:

AST:

Region:	STATE
Facility Id:	2-609534
UTM X:	588263.94643
UTM Y:	4510053.07226
Expiration Date:	04/21/09
Renewal Date:	/ /
Total Capacity:	250
Facility Type:	AUTO REPAIRS
Site Type Name:	Other
Site Type Status:	Waste Oil Storer

M & W INC. (Continued) **A100294904**

Mailing Company:	M & W INC.
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	81 CLAY ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	(718) 349-6688
Mailing Email:	Not reported
Owner Title:	PRESIDENT
Owner Name:	Not reported
Owner Address:	104 CLAY ST
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222
Owner Phone:	(718) 349-6026
Owner Company:	WILSON MARTINEZ
Emergency Contact:	WILSON MARTINEZ
Emergency Phone:	(718) 349-6688
Operator:	WILSON MARTINEZ
Operator Phone:	(718) 349-6688
Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial
Program Type:	PBS

Tank Number:	001
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	11/03/03
Capacity Gallons:	250
Material Name:	Waste Oil/Used Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	Not reported
Tank Internal Protection 1:	Not reported
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Not reported
Pipe Type Name:	Not reported
Pipe External Protection 1:	Not reported
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Not reported
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Not reported
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Not reported
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Not reported
Spill Prevention:	Not reported
Tightness Test Method:	Unknown
Date Tested:	/ /

M & W INC. (Continued) **A100294904**

Next Test Date: / /
Date Tank Closed: / /

R92 **APHRODITE CLEANER** **FINDS** **1004758453**
ESE **1019 MANHATTAN AVE** **MANIFEST** **NYD987003795**
1/8-1/4 **BROOKLYN, NY 11222** **RCRA-NonGen**
0.232 mi.
1226 ft. **Site 1 of 3 in cluster R**

Relative:
Higher

Actual:
15 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID:	NYC1936629
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY
Trans2 State ID:	Not reported
Generator Ship Date:	921111
Trans1 Recv Date:	921111
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921111
Part A Recv Date:	921127
Part B Recv Date:	921120
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00050
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II

APHRODITE CLEANER (Continued) **1004758453**

Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC1827371
Manifest Status:	Completed copy
Trans1 State ID:	AP4503NY
Trans2 State ID:	Not reported
Generator Ship Date:	920924
Trans1 Recv Date:	920924
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920924
Part A Recv Date:	Not reported
Part B Recv Date:	921005
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA

APHRODITE CLEANER (Continued) **1004758453**

Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2045711
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY
Trans2 State ID:	Not reported
Generator Ship Date:	921207
Trans1 Recv Date:	921207
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921207
Part A Recv Date:	921215
Part B Recv Date:	921217
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported

APHRODITE CLEANER (Continued) **1004758453**

Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC1738664
Manifest Status:	Completed copy
Trans1 State ID:	MT9351NY
Trans2 State ID:	Not reported
Generator Ship Date:	920821
Trans1 Recv Date:	920821
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920821
Part A Recv Date:	Not reported
Part B Recv Date:	920901
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2080642
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY

APHRODITE CLEANER (Continued) **1004758453**

Trans2 State ID:	Not reported
Generator Ship Date:	930513
Trans1 Recv Date:	930513
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930513
Part A Recv Date:	930520
Part B Recv Date:	930524
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC1877861
Manifest Status:	Completed copy
Trans1 State ID:	JE4550
Trans2 State ID:	Not reported
Generator Ship Date:	921021
Trans1 Recv Date:	921021
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921021
Part A Recv Date:	921105

APHRODITE CLEANER (Continued) **1004758453**

Part B Recv Date:	921030
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2090766
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY
Trans2 State ID:	Not reported
Generator Ship Date:	930108
Trans1 Recv Date:	930108
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930108
Part A Recv Date:	930115
Part B Recv Date:	930120
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

APHRODITE CLEANER (Continued) **1004758453**

Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2306891
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY
Trans2 State ID:	Not reported
Generator Ship Date:	930527
Trans1 Recv Date:	930527
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930527
Part A Recv Date:	930609
Part B Recv Date:	930608
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

APHRODITE CLEANER (Continued) **1004758453**

Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2373726
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY
Trans2 State ID:	Not reported
Generator Ship Date:	930624
Trans1 Recv Date:	930624
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930624
Part A Recv Date:	930706
Part B Recv Date:	930706
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported

APHRODITE CLEANER (Continued) **1004758453**

Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2203929
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY
Trans2 State ID:	Not reported
Generator Ship Date:	930329
Trans1 Recv Date:	930329
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930329
Part A Recv Date:	930406
Part B Recv Date:	930407
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

APHRODITE CLEANER (Continued) **1004758453**

Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2187696
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY
Trans2 State ID:	Not reported
Generator Ship Date:	930301
Trans1 Recv Date:	930301
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930301
Part A Recv Date:	930311
Part B Recv Date:	930310
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported

APHRODITE CLEANER (Continued) **1004758453**

Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2268112
Manifest Status:	Completed copy
Trans1 State ID:	JE4550NY
Trans2 State ID:	Not reported
Generator Ship Date:	930429
Trans1 Recv Date:	930429
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930429
Part A Recv Date:	930507
Part B Recv Date:	930507
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN

APHRODITE CLEANER (Continued) **1004758453**

Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319

Document ID:	NYC2470149
Manifest Status:	Completed copy
Trans1 State ID:	HW8207NY
Trans2 State ID:	Not reported
Generator Ship Date:	930819
Trans1 Recv Date:	930819
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930819
Part A Recv Date:	930830
Part B Recv Date:	930827
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319

APHRODITE CLEANER (Continued) **1004758453**

Document ID:	NYC2539045
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	930913
Trans1 Recv Date:	930913
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930913
Part A Recv Date:	931025
Part B Recv Date:	930930
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319

Document ID:	NYC2445928
Manifest Status:	Completed copy
Trans1 State ID:	AM6252
Trans2 State ID:	Not reported
Generator Ship Date:	930723
Trans1 Recv Date:	930723

APHRODITE CLEANER (Continued) **1004758453**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930723
Part A Recv Date:	930803
Part B Recv Date:	930802
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2619472
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	931012
Trans1 Recv Date:	931012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	931012
Part A Recv Date:	931109
Part B Recv Date:	931022
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD984908202

APHRODITE CLEANER (Continued) **1004758453**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2766701
Manifest Status:	Completed copy
Trans1 State ID:	AY9381NY
Trans2 State ID:	Not reported
Generator Ship Date:	940106
Trans1 Recv Date:	940106
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940106
Part A Recv Date:	940118
Part B Recv Date:	940114
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001

APHRODITE CLEANER (Continued) **1004758453**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319
Document ID:	NYC2848915
Manifest Status:	Completed copy
Trans1 State ID:	AY9381NY
Trans2 State ID:	Not reported
Generator Ship Date:	940202
Trans1 Recv Date:	940202
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940202
Part A Recv Date:	940222
Part B Recv Date:	940210
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94
Manifest Tracking Num:	Not reported
Import Ind:	Not reported

APHRODITE CLEANER (Continued) **1004758453**

Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319

Document ID:	NYC2669365
Manifest Status:	Completed copy
Trans1 State ID:	AM6252NY
Trans2 State ID:	Not reported
Generator Ship Date:	931108
Trans1 Recv Date:	931108
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	931108
Part A Recv Date:	Not reported
Part B Recv Date:	931122
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported

APHRODITE CLEANER (Continued) **1004758453**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II
Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319

Document ID:	NYS2586150
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	AY9381NY
Trans2 State ID:	Not reported
Generator Ship Date:	931209
Trans1 Recv Date:	931209
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	931209
Part A Recv Date:	Not reported
Part B Recv Date:	940322
Generator EPA ID:	NYD987003795
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980785760
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987003795
Facility Name:	APHRODITE CLNRS II

APHRODITE CLEANER (Continued) **1004758453**

Facility Address:	1019 MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	APHRODITE CLNRS II
Mailing Contact:	EVA
Mailing Address:	1019 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-1319

Click this hyperlink while viewing on your computer to access
5 additional NY_MANIFEST: record(s) in the EDR Site Report.

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	APHRODITE CLEANER
Facility address:	1019 MANHATTAN AVE BROOKLYN, NY 11222
EPA ID:	NYD987003795
Mailing address:	MANHATTAN AVE BROOKLYN, NY 11222
Contact:	NICHOLAS - NANAS
Contact address:	MANHATTAN AVE BROOKLYN, NY 11222
Contact country:	US
Contact telephone:	718391319
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NICHOLAS NANAS
Owner/operator address:	1019 MANHATTAN AVE BROOKLYN, NY 11222
Owner/operator country:	Not reported
Owner/operator telephone:	(718) 389-1319
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown

APHRODITE CLEANER (Continued) **1004758453**

Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 05/22/1992
Facility name: APHRODITE CLEANER
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:
Waste code: D000
Waste name: Not Defined

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

R93 **APHRODITE CLEANERS** **DRYCLEANERS** **S106435613**
ESE **1019 MANHATTAN AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.232 mi.
1226 ft. **Site 2 of 3 in cluster R**

Relative:
Higher

DRYCLEANERS:
Facility ID: 2-6101-00706
Region: KINGS

Actual:
15 ft.

R94 **MTA NYCT GREEN STREET SUBSTATION** **FINDS** **1001818172**
ESE **GREEN ST & MANHATTAN AVE** **MANIFEST** **NYR000076620**
1/8-1/4 **BROOKLYN, NY 11222** **RCRA-NonGen**
0.232 mi.
1226 ft. **Site 3 of 3 in cluster R**

Relative:
Higher

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
15 ft.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

corrective action activities required under RCRA.

NY MANIFEST:

Document ID:	NJA4135779
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	11/08/2002
Trans1 Recv Date:	11/08/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/15/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000076620
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	H10376
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00040
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	02
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYR000076620
Facility Name:	NYCTA GREEN STREET SUB STA
Facility Address:	GREEN ST & MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA GREEN STREET SUB STA
Mailing Contact:	DENNIS ORSINI
Mailing Address:	370 JAY STREET ROOM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4227
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	2007-02-01
Trans1 Recv Date:	2007-02-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-02-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000076620
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MID980991566
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	07
Manifest Tracking Num:	000081600JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111
EPA ID:	NYR000076620
Facility Name:	NYCTA GREEN STREET SUB STA
Facility Address:	GREEN ST & MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA GREEN STREET SUB STA
Mailing Contact:	DENNIS ORSINI
Mailing Address:	370 JAY STREET ROOM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4227
Document ID:	06

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

Manifest Status:	000081411JJK
Trans1 State ID:	NYR000076620
Trans2 State ID:	Not reported
Generator Ship Date:	MID980991566
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD054126164
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	2
Number of Containers:	DM
Container Type:	600
Handling Method:	P
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYR000076620
Facility Name:	NYCTA GREEN STREET SUB STA
Facility Address:	GREEN ST & MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA GREEN STREET SUB STA
Mailing Contact:	DENNIS ORSINI
Mailing Address:	370 JAY STREET ROOM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4227

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

Document ID:	06
Manifest Status:	000081411JJK
Trans1 State ID:	NYR000076620
Trans2 State ID:	Not reported
Generator Ship Date:	MID980991566
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD054126164
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	3
Number of Containers:	DM
Container Type:	300
Handling Method:	P
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYR000076620
Facility Name:	NYCTA GREEN STREET SUB STA
Facility Address:	GREEN ST & MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA GREEN STREET SUB STA
Mailing Contact:	DENNIS ORSINI
Mailing Address:	370 JAY STREET ROOM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4227

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

Document ID:	06
Manifest Status:	000245069JJK
Trans1 State ID:	NYR000076620
Trans2 State ID:	Not reported
Generator Ship Date:	WIR000000356
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	PAD146714878
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	DM
Container Type:	5
Handling Method:	G
Specific Gravity:	1
Waste Code:	R
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYR000076620
Facility Name:	NYCTA GREEN STREET SUB STA
Facility Address:	GREEN ST & MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA GREEN STREET SUB STA
Mailing Contact:	DENNIS ORSINI
Mailing Address:	370 JAY STREET ROOM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4227

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

Document ID:	06
Manifest Status:	000245069JJK
Trans1 State ID:	NYR000076620
Trans2 State ID:	Not reported
Generator Ship Date:	WIR000000356
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	PAD146714878
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	1
Number of Containers:	CM
Container Type:	21000
Handling Method:	P
Specific Gravity:	1
Waste Code:	R
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYR000076620
Facility Name:	NYCTA GREEN STREET SUB STA
Facility Address:	GREEN ST & MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA GREEN STREET SUB STA
Mailing Contact:	DENNIS ORSINI
Mailing Address:	370 JAY STREET ROOM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4227

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

Document ID:	07
Manifest Status:	000081600JJK
Trans1 State ID:	NYR000076620
Trans2 State ID:	Not reported
Generator Ship Date:	MID980991566
Trans1 Recv Date:	Not reported
Trans2 Recv Date:	NJD054126164
TSD Site Recv Date:	Not reported
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	N
Trans1 EPA ID:	N
Trans2 EPA ID:	N
TSDF ID:	N
Waste Code:	N
Quantity:	Not reported
Units:	3
Number of Containers:	DM
Container Type:	600
Handling Method:	P
Specific Gravity:	1
Waste Code:	T
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	Not reported
Specific Gravity:	Not reported
Year:	Not reported
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYR000076620
Facility Name:	NYCTA GREEN STREET SUB STA
Facility Address:	GREEN ST & MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA GREEN STREET SUB STA
Mailing Contact:	DENNIS ORSINI
Mailing Address:	370 JAY STREET ROOM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4227

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	2/1/2007
Trans1 Recv Date:	2/1/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2/12/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000076620
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MID980991566
Waste Code:	Not reported
Quantity:	600
Units:	P - Pounds
Number of Containers:	3
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	07
Manifest Tracking Num:	000081600JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111
EPA ID:	NYR000076620
Facility Name:	NYCTA GREEN STREET SUB STA
Facility Address:	GREEN ST & MANHATTAN AVE
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	NYCTA GREEN STREET SUB STA
Mailing Contact:	DENNIS ORSINI
Mailing Address:	370 JAY STREET ROOM 819
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11201
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-243-4227

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	MTA NYCT GREEN STREET SUBSTATION
Facility address:	GREEN ST & MANHATTAN AVE BROOKLYN, NY 11222
EPA ID:	NYR000076620

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

Mailing address:	JAY ST ROOM 819 BROOKLYN, NY 11201
Contact:	HOWARD - MATZA
Contact address:	JAY ST ROOM 819 BROOKLYN, NY 11201
Contact country:	US
Contact telephone:	(718) 243-4581
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MTA NEW YORK CITY TRANSIT
Owner/operator address:	370 JAY ST ROOM 819 BROOKLY, NY 11201
Owner/operator country:	Not reported
Owner/operator telephone:	(718) 243-4581
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency:	09/20/1999
Facility name:	MTA NYCT GREEN STREET SUBSTATION
Classification:	Large Quantity Generator

Hazardous Waste Summary:

Waste code:	D000
Waste name:	Not Defined
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN

MTA NYCT GREEN STREET SUBSTATION (Continued) **1001818172**

OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

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95 ESE 1/8-1/4 0.237 mi. 1249 ft.

182 FREEMAN ST/BKLYN
182 FREEMAN STREET
NEW YORK CITY, NY

NY Spills **S102141722**
NY Hist Spills **N/A**

Relative: Higher

Actual: 14 ft.

NY Spills:

Site ID:	83583
Facility Addr2:	Not reported
Facility ID:	9008163
Spill Number:	9008163
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	FINGER
Referred To:	Not reported
Spill Date:	10/26/90
Reported to Dept:	10/26/90
CID:	Not reported
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	06/07/95
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/07/95
Remediation Phase:	0
Date Entered In Computer:	11/05/90
Spill Record Last Update:	06/07/95
Spiller Name:	Not reported
Spiller Company:	WHALECO OIL CO
Spiller Address:	1 COFFEY STREET
Spiller City,St,Zip:	BROOKLYN, NY 11231
Spiller Company:	001
Spiller Phone:	(718) 852-7000
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9008163
DER Facility ID:	76905
Site ID:	83583
Operable Unit ID:	948802
Operable Unit:	01
Material ID:	431998

182 FREEMAN ST/BKLYN (Continued) **S102141722**

Material Code: 0001
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 40.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9008163 BROKEN METER ON DELIVERY TRUCK, FUEL SPILLED ONTO BLACK TOP AREA,SPILLCREW ENROUTE TO COMPLETE CLEAN UP. END CallerRemark - 9008163

NY Hist Spills:
Region of Spill: 2
Spill Number: 9008163
Investigator: FINGER
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 10/26/1990 08:00
Reported to Dept Date/Time: 10/26/90 08:21
SWIS: 61
Spiller Name: WHALECO OIL CO
Spiller Contact: Not reported
Spiller Phone: (718) 852-7000
Spiller Address: 1 COFFEY STREET
Spiller City,St,Zip: BROOKLYN, NY 11231
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 08
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 06/07/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/07/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 11/05/90
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/07/95
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported

182 FREEMAN ST/BKLYN (Continued) **S102141722**

Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	40
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	Not reported
Remark:	BROKEN METER ON DELIVERY TRUCK, FUEL SPILLED ONTO BLACK TOP AREA,SPILLCREW ENROUTE TO COMPLETE CLEAN UP.

S96 **74 INDIA** **AST** **U003392428**
SSE **74 INDIA ST** **HIST AST** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.238 mi.
1258 ft. **Site 1 of 2 in cluster S**

Relative:
Higher

Actual:
15 ft.

AST:

AST:

Region:	STATE
Facility Id:	2-366099
UTM X:	588080.65437
UTM Y:	4509503.17297
Expiration Date:	07/08/07
Renewal Date:	06/04/02
Total Capacity:	5000
Facility Type:	Not reported
Site Type Name:	Apartment Building/Office Building
Site Type Status:	Active
Mailing Company:	LIDIA MANAGEMENT CORP
Mailing Title:	Not reported
Mailing Contact:	ANTHONY PISTILLI
Mailing Address:	37-08 28TH AVENUE
Mailing Address 2:	#300
Mailing City:	ASTORIA
Mailing State:	NY
Mailing Zip Code:	11103
Mailing Phone No:	(718) 204-1600
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	37-08 28TH AVENUE #300
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11103
Owner Phone:	(718) 204-1600
Owner Company:	ASTRAL APARTMENTS
Emergency Contact:	JOSEPH PISTILLI
Emergency Phone:	(718) 204-1600

74 INDIA (Continued) **U003392428**

Operator:	JOSEPH PISTILLI
Operator Phone:	(718) 204-1600
Owner City:	ASTORIA
Owner Sub Type:	Corporate or Commercial
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	/ /
Capacity Gallons:	5000
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	Wrapped
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Other
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

HIST AST:

PBS Number:	2-366099
SWIS Code:	6101
Operator:	JOSEPH PISTILLI
Facility Phone:	(718) 726-9455
Facility Addr2:	74 INDIA ST
Facility Type:	APARTMENT BUILDING
Emergency:	JOSEPH PISTILLI
Emergency Tel:	(718) 726-9455
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MICHAEL PISTILLI
Owner Address:	PO BOX 4008
Owner City,St,Zip:	COLLEGE POINT, NY 11356
Federal ID:	Not reported

74 INDIA (Continued) **U003392428**

Owner Tel:	(718) 726-9455
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	MICHAEL PISTILLI
Mailing Address:	PO BOX 4008
Mailing Address 2:	Not reported
Mailing City,St,Zip:	COLLEGE POINT, NY 11356
Mailing Telephone:	(718) 726-9455
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/11/1997
Expiration:	10/15/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	6
Tank Containment:	Diking
Leak Detection:	9
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

S97 **LOT 1,TAXBLOCK 2532** **NY Spills** **S106970369**
South **200 FRANKLIN STREET** **E DESIGNATION** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.239 mi.
1261 ft. **Site 2 of 2 in cluster S**

Relative:
Higher

Actual:
15 ft.

NY Spills:

Site ID:	350603
Facility Addr2:	Not reported
Facility ID:	0505566
Spill Number:	0505566
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	AXDORONO
Referred To:	Not reported
Spill Date:	08/05/05
Reported to Dept:	08/05/05
CID:	14
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/24/07
Remediation Phase:	0
Date Entered In Computer:	08/05/05
Spill Record Last Update:	11/15/07
Spiller Name:	JAN CHMIELEWSKI
Spiller Company:	INTERNATIONAL DYE STRIPPI
Spiller Address:	200 FRANKLIN STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(718) 383-7720
Contact Name:	JAN CHMIELEWSKI
Contact Phone:	(718) 383-7720
DEC Region:	2
Program Number:	0505566
DER Facility ID:	297080
Site ID:	350603
Operable Unit ID:	1108161
Operable Unit:	01
Material ID:	2098093
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
DEC Memo:	Start DECRemark - 0505566 Sangesland found no historical spills or PBS on site.

LOT 1,TAXBLOCK 2532 (Continued) **S106970369**

Property Shark says legal address is: 194-200 Franklin St, Brooklyn, NY 11222 Contaminated Soil Letter sent to: Property Owner Int'l Stripping & Dye Company 200 Franklin St Brooklyn, NY 11222 8/10/2005 Sangesland spoke with Carolyn Cadalaso of Advanced Cleanup Technology. She asked what work was needed. She was told a letter went out to the building owner (she will try to get a copy through the owner).Advanced Cleanup Tech completed a Phase 2 report on the site. Sangesland asked her to review the DEC letter, prepare a work plan to resolve the contamination and then submit a package to Mr. Koon Tang. 10/31/05 - Carla Sullivan wrote in her email: "...The three gasoline USTs, filled with concrete, were removed. The tanks were found tight, and the concrete vault and surrounding soils were found free of contamination and set at 7 feet below grade.The contamination is below 8' bgs. Apparently, the tanks were installed in a dirty "hole". All work is being conducted within the confines of the building, and due to structural concerns, not all of the contaminated soil can be removed. The depth of the contamination is in the GW at 15' bgs, GW will be treated with 2,000 pounds of ORC." - KST 10/31/05 - send Carla Sullivan an email asking for RI Report and a RAP for the contaminated soil and GW. - KST 11/01/05: This spill case transferred from K. Tang to J. Kolleeny. Reviewed ACT Phase II report which indicated closed gasoline tanks impacted soil and groundwater; reviewed 10/14/05 work plan letter from Laurel Env'tal stating that closed tanks will be removed and ORC applied to groundwater. Spoke with Carla Sullivanand Scott Yanuck of Laurel - working inside existing site building, they removed concrete-filled tanks and encountered substantial contaminated soil starting at 8 feet below grade. Contaminated soil will be removed to extent possible without endangering building, end-point soil samples will be collected, ORC will be applied to water table, and 2 wells will be installed inside building. JK of DEC sent email to Ms. Sullivan (cc'ed Yanuck) requesting that wells be gauged to determine water tableelevations & GW flow direction, and sampled, and that a summary report be prepared and submitted with soil and groundwater data and recommendations for further investigation/remediation as necessary. - J. Kolleeny 12/22/05: Received remediation report summarizing remedial activities at site (tank removal, soil excavation, application of ORC), and requesting spill closure, via email on 12/21/05. Entered report into eDocs on 12/22/05. Report will be reviewed. - J. Kolleeny 01/06/06: In response to email from Scott Yanuck of Laurel Env'tal inquiring about status of my report review, I sent him an email on 1/4/06 with preliminary review observations, stating: I looked quickly at the report, and usually in a case like this, with some residual soil contamination and a downgradient well with 1,800 ppb of benzene and 3,570 ppb total BTEX, we would require follow-up groundwater monitoring to evaluate effectiveness of ORC that was applied, and request installation of an off-site well to delineate leading edge of the plume. I understand and appreciate that Laurel did a lot of source removal work and applied a lot of ORC, but I want to see that plume is stable (not migrating), with groundwater contaminant levels decreasing,before I can close out spill. As of 1/6/06, have not received any response from S. Yanuck. - J. Kolleeny 01/24/06: Received email from S. Yanuck of Laurel Env'tal on 1/23/06 asking if DEC has made a decision on Remedial Corrective Action Report and request for spill closure, and stating that if spill is to remain open, they will collect another round of GW samples from existing wells, but they would strongly prefer not to install off-site well. I sent email reply on 1/24/06 saying that K. Tang agreed spill cannot be closed yet, and reiterating need for an off-site well to delineate leading edge of plume. Sent letter on 1/24/06 to Mr. Jan Chmielewski of 200 Franklin LLC, with copy to S. Yanuck, requesting installation of off-site well across Franklin Street to the west, plus at least 2 rounds of groundwater monitoring; asked that a work plan be submitted. - J. Kolleeny 02/03/06: Received email from S. Yanuck of Laurel Env'tal stating that off-site

LOT 1,TAXBLOCK 2532 (Continued) **S106970369**

well would be installed on Monday Feb.6th, with attached copy of sidewalk permit and site plan showing proposed well location. I emailed back that proposed well location looked good, and stated that soil should be screened with PID during installation, and at least one soilsample collected, probably at groundwater interface. Scott did not respond. - J. Kolleeny 02/24/06: Sent email to Scott Yanuck of Laurel Env'tal asking if off-site well was installed as planned, and if he has any data, including field observations, PID readings, etc., to report. - J. Kolleeny 02/27/06: S. Yanuck of Laurel sent email late on 2/24/06 (at 8:19 pm) saying well was installed, no PID reading or odor in soil, very low VOCs in GW; he will forward over a letter report early nextweek. - JK 2/28/06: Received letter report from S. Yanuck, via email, with groundwater sampling results for new off-site well MW-4 and 3 existing wells. Data show contaminant levels stayed much the same in on-site wells MW-3 (total BTEX just under 4 ppm) and MW-1 (total BTEX about 1 ppm), and low exceedances for benzene (9 ppb) and MTBE (27 ppb) in off-site well MW-4. Laurel argues that plume is stable and has not migrated; they request spill closure. Changed spill priority status to P2, since site is in monitoring phase. - J. Kolleeny 03/06/06: Received email from S. Yanuck asking if I'd made a decision regarding request for spill closure. I sent email response saying that spill cannot be closed yet and noting that my letter of January 24, 2006 required at least two quarterly rounds of groundwater monitoring to establish that remedial actions were effective (i.e., resulting in decreasing trend of dissolved contamination) and that plume is stable and not migrating. I pointedout that the Feb. 6th groundwater results show contamination on-site has not decreased, and low levels of benzene and MTBE in well MW-4 suggest edge of plume extends off-site. Said I would send out a response letter in next day or so. - J. Kolleeny03/07/06: Sent letter to Jan Chmielewski of 200 Franklin LLC (the RP), with cc to Scott Yanuck of Laurel, responding to latest groundwater report, stating that spill cannot be closed at this time, requesting water levels measurements to determine up-to-date groundwater flow direction, and another round of GW sampling within 3 months. - J. Kolleeny 03/13/06: Received email from Scott Yanuck of Laurel Envt'l with attached letter stating that they have surveyed the new well MW-4 top of casing,taken depth to water measurements from all four wells and determined up-to-date groundwater flow direction, and attached the updated groundwater flow map as requested in my 3/7/06 letter, and they will schedule another quarterly groundwater samplingevent. - J. Kolleeny 03/14/06: Sent email to Scott Yanuck saying new groundwater flow map is ok, but doesn't show water table contours as requested. He sent email reply that he will work on drawing in inferred contour lines, but that there is notenough data for Surfer (a program that takes water elevation data to generate water table contour maps) to work with. - J. Kolleeny 05/26/06: Received electronic copy of May '06 Groundwater Monitoring Report via email from Scott Yanuck of LaurelEnv'tal. - JK 06/02/06: Received hard copy of May '06 groundwater monitoring report. Will review. - JK 06/14/06: Reviewed report, groundwater contaminant levels in wells MW-1 and MW-3 have declined substantially, but significant contaminationremains. Issued letter to RP (and copied Scott Yanuck) asking for another round of quarterly sampling, plus a sensitive receptor survey, indoor air monitoring and soil gas sampling from beneath earthen floor of site building. - JK 08/14/06: Received work plan for groundwater monitoring and sensitive receptor survey (soil gas and indoor air sampling) dated Aug. 4, 2006 from Scott Yanuck, Laurel Envt'l (in eDocs). Plan involves round of groundwater sampling, and sampling soil gas at two locations 2 feet below earthen floor, plus indoor and outdoor (for background) air samples. I sent email okaying plan on 8/14/06. - J. Kolleeny 10/05/06: Received email on 9/26/06 from Scott Yanuck of Laurel Envt'l with report attached summarizing round of groundwater sampling, indoor/outdoor air sampling, and soil vapor sampling at the site in August 2006. After

LOT 1,TAXBLOCK 2532 (Continued) **S106970369**

preliminary review of report, I sent email to Scott on 10/3/06 noting that the groundwater results only provide data for BTEX + MTBE,whereas earlier sampling rounds were analyzed for full range of gasoline-related VOCs. Scott sent email reply that he would ask the lab to re-evaluate data from the GC runs, if possible. I replied that was fine, and that if they can provide data forall VOCs, I'd like Scott to revise data table to include line for total VOCs, in addition to total BTEX. Also asked for revised figure showing two soil vapor sampling locations, and for clarification of soil vapor sample nomenclature, since samplesare named "SV North" and "SG-4." - J. Kolleeny 10/06/06: Received email from Scott Yanuck late on 10/5/06 with revised report, including groundwater results for all gasoline VOCs (revised Table I), fig. 3 showing soil gas sampling locations, andrevised Table II with soil gas samples labelled "SV North" and "SV South." Table I still lacks line for total VOCs, which I requested on two occasions. Report is in eDocs. - J. Kolleeny 10/20/06: Issued reply letter (in eDocs) to Laurel Environmental report dated 9/26/06. My letter notes that indoor air sampling and sub-slab soil gas sampling suggest no serious impact to indoor air from the spill, but also states that the spill cannot be closed at this time, due to rebound of contamination in well MW-1 and change in groundwater flow direction, which suggests plume is not adequately delineated to the south. I stated that contaminant levels in MW-1 warrant additional monitoring and possibly additional remediation, and I requested installation of an additional monitoring well immediately south of former tank location (i.e., inside building), or if that isn't feasible, in sidewalk along India Street south of site building. - J. Kolleeny 11/03/06: Received email from Scott Yanuck of Laurel Envt'l with work plan dated Oct. 31, 2006 for installation of requested additional well and possible replacement of damaged well MW-1 (in eDocs). Work plan also discussed 3 possible approaches for additional remediation, but says a finalchoice will be made after well installation and latest groundwater data. I sent email approving plan with modifications: 1. Proposed well MW-5 should be installed as close as possible to location of end-point soil sample EP-S. During well installation, soil should be screened with a PID; a sample from interval with highest PID reading and a sample from just above water table should be submitted for laboratory analysis of gasoline-related VOCs. 2. After installation of new well(s), groundwater samples should be collected from all existing wells and analyzed for gasoline-related VOCs (i.e., not simply for BTEX compounds). DEC will refrain from commenting on three remedial strategies mentioned in work plan until one of these strategies is formally proposed, based on results of upcoming round of groundwater sampling. - J. Kolleeny 02/09/07: Reviewed Laurel Envt'l report dated Jan. 30, 2007 with proposed additional remedial activities, plus revised text and figs submittedon Feb. 6 and 9, 2007 (in eDocs). Report presents results of additional borings and wells installed at site in Nov. 2006, with soil and groundwater data showing significant residual soil contamination in two areas and increases in groundwater contaminant levels in wells MW-1 & MW-3 (significant GW contam. also in new wells MW-5 & MW-6, minor contam. in MW-8 & MW-10). Laurel proposes additional soil excavation in two areas, plus installation of 4 injection wells to apply ozone to groundwater, to oxidize hydrocarbons and increase dissolved O2 to stimulate biorem. I sent letter approving plan to RP Jan Chmielewski by mail and to Scott Yanuck of Laurel by email, on 2/9/07. - J. Kolleeny 02/28/07: Visited site with Ainura Doronova (new employee in training) to observe excavation of contaminated soil as proposed in additional remedial activities plan. Arrived at 11:00 A.M., they were digging with backhoe inside the building, and fairly strong odors were evident; workers were wearinghalf-face respirators with cartridges. Met with Scott Yanuck of Laurel Envt'l and Jan Chmielewski, owner. They had dug down about 7-8 feet and intended to go to 13-14 feet, where they expect water table to be. Stockpile of removed contaminated soilhad PID

LOT 1,TAXBLOCK 2532 (Continued) **S106970369**

readings of 300-400 ppm. Took 2 photos (in eDocs image folder). - J. Kolleeny 03/02/07: Received email on 3/1/07 from Scott Yanuck regarding on-going remediation work: "We stayed late yesterday and finished the excavation and endpoint sampling - samples were taken from all four sidewalls at a depth of 10' - 12'; PID readings were all well below 50 parts per million on these samples. Got bottom as clean as possible, but never hit groundwater even down to 14.5', which was the extent of reach on the extendahoe backhoe. We will be installing the injection and monitoring wells tomorrow." - J. Kolleeny 05/24/07: Received email on 5/23/07 from Scott Yanuck of Laurel Env'tal with attached Report On Additional Remedial Activities, dated 5/22/07 (in eDocs). Report summarizes excavation of an additional 182 tons of contaminated soil performed in February-March '07, with end-point soil sample results showing almost no petroleum-related compounds detected, and no TAGM 4046 exceedances. Also summarizes installation of 8 1-inch ozone injection wells, with ozone injection beginning on March 22, 2007. Report states that quarterly GW monitoring commenced on May 18, 2007. Scott's email states that GW results will be availablenext week. I sent email reply stating: "Thanks for report. Please include north arrow on site plans for future reports. Also, would it be possible to sample more of 1-inch ozone injection wells during future GW sampling events? It makes me uneasywhen wells with contamination are destroyed and replacement wells are installed some distance away from original well - if sampling of new wells shows much lower contaminant levels, I'm not sure if results are truly representative, or if some quirkof subsurface geology has resulted in new well "missing" GW contamination. Could wells IP-6, IP-5 and IP-1 be added to list of wells being sampled for next event? If sample results suggest that they are redundant of other wells being sampled, theycould be dropped from list for subsequent sampling events." - J. Kolleeny 05/25/07: Received email reply from Scott Yanuck late on 5/24/07: "Will make sure north arrow is added on future reports. I don't think that it will be a problem to add additional wells for sampling in the next round....I am hopeful that we can close after next round if everything looks OK." - J. Kolleeny 06/13/07: Received Groundwater and Ozone Injection System Monitoring report by Laurel Environmental, dated June 11, 2007 (in eDocs). Report states that ozone injection system began operating on 3/22/07, and that weekly or bi-weekly sites visits are conducted to confirm that ozone is reaching groundwater, rather than air above injection wells. Report alsopresents results of 5/18/07 groundwater sampling event, along with past GW data. Results show significant decreases in contaminant levels: MW-1 went from 10,000 ug/L total VOCs on 11/6/06 to 392 ppb total VOCs on 5/18/07 (benzene went from 3,500 ppbto 150 ppb), MW-3 went from 1,410 ug/L total VOCs on 11/6/06 (280 ppb benzene) to 734 ppb total VOCs on 5/18/07 (benzene 120 ppb), MW-8 went from 57 ppb total VOCs to 0 ppb. Report states that another quarterly sampling event will be performed. No DEC response required. I noticed mistake in Table 1 - GW data, incorrect sampling dates for well MW-8; emailed to Scott Yanuck of Laurel, who sent corrected table (in eDocs). - J. Kolleeny 08/07/2007: This spill case was transferred to A. Doronova. -AD 08/25/2007: Received Groundwater and Ozone Injection System Monitoring Report submitted by Laurel Env. dated August 22, 2007. The report states: The ozone system has been running nearly continuously since begining of the operation on March 22, 2007. The injection of ozone was rotated between the eight injection points, with four points receiving ozone at one time. During weekly monitoring of levels of DO, dissolved ozone, ozone headspace and ambient ozone, elevated levels of DO and dissolved ozone were detected at each site visit. On August 1, 2007 a round of GW samples was collected from the three on-site and two off-site wells. The results of groundwater sampling indicated that total concentration of VOCs in each monitoring wells were below 1,000 ppb. The labdata show increasing of total VOCs in MW-1 from 392 ppb (05/2007) to 444 ppb (08/2007); decrease of total

LOT 1,TAXBLOCK 2532 (Continued) **S106970369**

VOCs in MW-3 from 734 ppb to 357 ppb and same ND level for wells - MW-2 and MW-8. Injection points were sampled for the first time and showed following concentrations of total VOCs: O ppb for IP-1; 144 ppb for IP-2 and 251 ppb for IP-3. The GW flow direction was to the west during reported round of surveying. Based on the results of this monitoring round Laurel Env. states that GW quality continuing to improve with time at the site and requests to close this spill case. AD 09/06/2007: Received an email from S. Yanuck. He proposed to install one temporary monitoring well across the Franklin Street to investigate if there is any off-site plume migration. Sent an email with well installation approval and saying that, if no any petroleum contamination will be detected in a newly installed well, case closure request might be approved. AD09/24/2007: Received an email and e-copy of a letter report from S. Yanuck of LEA regarding installation of one temporary well across Franklin Street. A groundwater sample was collected for VOCs. The report states that no VOCs were detected in the collected sample. Based on the result of this sampling event and on the data of previous monitoring rounds LEA requests a closure of this spill case. AD 09/24/2007: Issued a NFA letter addressed to Simon Whitley of Complete Management Services (site owner) cc: to J. Kolleeny; S. Yanuck and file. This decision was made based on submitted analytical data and remedial actions performed at the site. In addition, this site is listed as "E" restricted by NYCDEP, so future mitigation work such as:- removal of any additional contaminated soil found during pre-construction excavation at the site; - installation of vapor barrier beneath new slab; - installation of sub-slab depressurisation system; will be required at the site by the NYCDEP in conjunction with the construction of the proposed building. AD END DECRemark - 0505566

Remarks: Start CallerRemark - 0505566 FOUND CONTAMINATED SOIL : DURING TESTING END CallerRemark - 0505566

E DESIGNATION:

Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	3001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	R6
All Components2:	Not reported

LOT 1,TAXBLOCK 2532 (Continued) **S106970369**

Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	200 FRANKLIN LLC
Lot Area:	000009500
Total Building Floor Area:	00000009500
Commercial Floor Area:	00000009500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000009500
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00002
Lot Frontage:	0100.00
Lot Depth:	0095.00
Building Frontage:	0100.00
Building Depth:	0095.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000056250
Total Assessed Value:	00000183150
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1949
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.43
Borough Code:	3
Borough Tax Block And Lot:	3025320001
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995964
Y Coordinate:	0206054
Zoning Map:	12C
Sanborn Map:	304 037
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005

LOT 1,TAXBLOCK 2532 (Continued) **S106970369**

Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	1
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	563
Census Block:	3001
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R6
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	R6
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G2
Land Use Category:	10
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	200 FRANKLIN LLC
Lot Area:	000009500
Total Building Floor Area:	00000009500
Commercial Floor Area:	00000009500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000009500
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00002
Lot Frontage:	0100.00
Lot Depth:	0095.00
Building Frontage:	0100.00
Building Depth:	0095.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	3

LOT 1,TAXBLOCK 2532 (Continued) **S106970369**

Basement Type Grade:	5
Land Assessed Value:	00000056250
Total Assessed Value:	00000183150
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1949
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	02.43
Borough Code:	3
Borough Tax Block And Lot:	3025320001
Condominium Number:	00000
Census Tract 2:	0563
X Coordinate:	0995964
Y Coordinate:	0206054
Zoning Map:	12C
Sanborn Map:	304 037
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

T98 **TRANSFORMER MANHOLE** **NY Spills** **S103938456**
NE **MANHATTAN AVE / COMMERCIAL** **NY Hist Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.242 mi.
1278 ft. **Site 1 of 13 in cluster T**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	79259
Facility Addr2:	Not reported
Facility ID:	9903019
Spill Number:	9903019
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	06/16/99
Reported to Dept:	06/16/99
CID:	205
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False

TRANSFORMER MANHOLE (Continued) **S103938456**

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/18/00
Remediation Phase: 0
Date Entered In Computer: 06/16/99
Spill Record Last Update: 06/07/00
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: CALLER
Contact Phone: Not reported
DEC Region: 2
Program Number: 9903019
DER Facility ID: 73682
Site ID: 79259
Operable Unit ID: 1081948
Operable Unit: 01
Material ID: 302946
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 2.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9903019 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" con ed e2mis notes: Found 2 gallons unknown oil on 700 gallons water in Tm. Cleanup pending test results. <1.00 ppm, env ops reports <1.0ppm cleanup complete. Tag removed. Incident closed. END DECRemark - 9903019
Remarks: Start CallerRemark - 9903019 SPILL IN MANHOLE FROM UNKNOWN SOURCE. CON ED #125580 END CallerRemark - 9903019

NY Hist Spills:
Region of Spill: 2
Spill Number: 9903019
Investigator: O'CONNELL
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 06/16/1999 09:10
Reported to Dept Date/Time: 06/16/99 09:51
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: ( ) -

TRANSFORMER MANHOLE (Continued) **S103938456**

Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/18/00
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/16/99
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/07/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 2
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: con ed e2mis notes: Found 2 gallons unknown oil on 700 gallons water in Tm. Cleanup pending test results. <1.00 ppm, env ops reports <1.0ppm cleanup complete. Tag removed. Incident closed.
Remark: SPILL IN MANHOLE FROM UNKNOWN SOURCE. CON ED 125580

T99 **MANHATTAN AVE & ASH ST** **NY Spills** **S102150664**
NE **MANHATTAN AVE / ASH ST** **NY Hist Spills** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.242 mi.
1278 ft. **Site 2 of 13 in cluster T**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	129717
Facility Addr2:	Not reported
Facility ID:	9506372
Spill Number:	9506372
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	KSTANG
Referred To:	Not reported
Spill Date:	08/23/95
Reported to Dept:	08/23/95
CID:	Not reported
Spill Cause:	Unknown
Water Affected:	NEWTOWN CREEK
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	08/23/95
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/23/95
Remediation Phase:	0
Date Entered In Computer:	09/26/95
Spill Record Last Update:	09/30/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9506372
DER Facility ID:	111817
Site ID:	129717
Operable Unit ID:	1017201
Operable Unit:	01
Material ID:	364339
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Start DECRemark - 9506372 Prior to Sept, 2004 data translation this spill Lead

MANHATTAN AVE & ASH ST (Continued) **S102150664**

DEC Field was "TANG" END DECRemark - 9506372
Remarks: Start CallerRemark - 9506372 SHEEN 10' WIDE - COAST GUARD IS SENDING TEAM TO CHECK ON - CALLED CG, SHEEN NON RECOVERABLE - FOUND A DRUM OF OIL LEAKING, ALSO FOUND THE RESPONSIBLE PARTY - LEAK STOPPED END CallerRemark - 9506372

NY Hist Spills:

Region of Spill:	2
Spill Number:	9506372
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	08/23/1995 14:20
Reported to Dept Date/Time:	08/23/95 14:43
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Surface Water
Water Affected:	NEWTOWN CREEK
Spill Source:	12
Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	08/23/95
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/23/95
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	09/26/95
Date Spill Entered In Computer Data File:	Not reported
Update Date:	/ /
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0

MANHATTAN AVE & ASH ST (Continued) **S102150664**

Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: SHEEN 10 WIDE - COAST GUARD IS SENDING TEAM TO CHECK ON - CALLED CG, SHEEN NON RECOVERABLE - FOUND A DRUM OF OIL LEAKING, ALSO FOUND THE RESPONSIBLE PARTY - LEAK STOPPED

T100
NE
1/8-1/4
0.242 mi.
1278 ft.

MH 4285
MANHATTAN AVE/COMMERCIAL
BROOKLYN, NY

NY Spills **S103936709**
NY Hist Spills **N/A**

Site 3 of 13 in cluster T

Relative:
Equal

Actual:
12 ft.

NY Spills:
Site ID: 252695
Facility Addr2: Not reported
Facility ID: 9901074
Spill Number: 9901074
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: CAENGELH
Referred To: Not reported
Spill Date: 04/27/99
Reported to Dept: 04/28/99
CID: 270
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/13/02
Remediation Phase: 0
Date Entered In Computer: 04/28/99
Spill Record Last Update: 06/13/02
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: CALLER
Contact Phone: Not reported
DEC Region: 2
Program Number: 9901074
DER Facility ID: 207004
Site ID: 252695
Operable Unit ID: 1075868

MH 4285 (Continued) **S103936709**

Operable Unit: 01
Material ID: 304611
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: Gallons
Recovered: 1.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9901074 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ENGELHARDT" CON ED E2MIS NOTES Approx 1/2 pt. unknown oil on approx. 10 gals. of water found in MH #4285. Sample taken on 4-6 hr. priority turnaround and tag #05102 placed. Note: Sample submitted under prior incident #124430, which was cleaned up on 4-27-99 at 13:00hrs. This spill found at 18:00hrs and should have been reported yesterday as a new incident. Lab Seq. # 99-04325 <1.0ppm PCB4-28-99 11:00hrs. Cleanup complete and tag removed. 4/28/99 12:53 hrs -- Notified S.Romero of CIG END DECRemark - 9901074
Remarks: Start CallerRemark - 9901074 1/2 pt of material on 10 gal water 124510 less than 1ppm pcb END CallerRemark - 9901074

NY Hist Spills:
Region of Spill: 2
Spill Number: 9901074
Investigator: ENGELHARDT
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 04/27/1999 18:00
Reported to Dept Date/Time: 04/28/99 13:03
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False

MH 4285 (Continued) **S103936709**

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/28/99
Date Spill Entered In Computer Data File: Not reported
Update Date: 07/17/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 1
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: CON ED E2MIS NOTES Approx 1/2 pt. unknown oil on approx. 10 gals. of water found in MH 4285. Sample taken on 4-6 hr. priority turnaround and tag 05102 placed. Note: Sample submitted under prior incident 124430, which was cleaned up on 4-27-99 at 13:00hrs. This spill found at 18:00hrs and should have been reported yesterday as a new incident. Lab Seq. 99-04325 <1.0ppm PCB 4-28-99 11:00hrs. Cleanup complete and tag removed.
Remark: 1/2 pt of material on 10 gal water 124510 less than 1ppm pcb

---

101 East 1/8-1/4 0.243 mi. 1282 ft.

166 EAGLE ST
166 EAGLE ST
BKLYN, NY

NY Spills **S102141424**
NY Hist Spills **N/A**

Relative: Higher

Actual: 13 ft.

NY Spills:
Site ID: 88485
Facility Addr2: Not reported
Facility ID: 9108314
Spill Number: 9108314
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: WILSON
Referred To: Not reported
Spill Date: 11/04/91
Reported to Dept: 11/04/91
CID: 14
Spill Cause: Human Error
Water Affected: Not reported
Spill Source: Tank Truck
Spill Notifier: Responsible Party
Cleanup Ceased: 05/25/95

166 EAGLE ST (Continued) **S102141424**

Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/25/95
Remediation Phase:	0
Date Entered In Computer:	11/08/91
Spill Record Last Update:	05/25/95
Spiller Name:	Not reported
Spiller Company:	BAERENKLAU
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9108314
DER Facility ID:	80927
Site ID:	88485
Operable Unit ID:	958642
Operable Unit:	01
Material ID:	420472
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9108314 DRIVER TRIPPED WITH NOZZLE IN HAND-INVOLUNTARILY RELEASED FUEL TO PAVEMENT. APPLIED SPEEDY-DRY. WILL PICK UP & DISPOSE. END CallerRemark - 9108314

NY Hist Spills:

Region of Spill:	2
Spill Number:	9108314
Investigator:	WILSON
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/04/1991 14:11
Reported to Dept Date/Time:	11/04/91 14:11
SWIS:	61
Spiller Name:	BAERENKLAU
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported

166 EAGLE ST (Continued) **S102141424**

Spill Cause:	Human Error
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	08
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	05/25/95
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/25/95
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	11/08/91
Date Spill Entered In Computer Data File:	Not reported
Update Date:	05/25/95
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	5
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	Not reported
Remark:	DRIVER TRIPPED WITH NOZZLE IN HAND-INVOLUNTARILY RELEASED FUEL TO PAVEMENT. APPLIED SPEEDY-DRY. WILL PICK UP DISPOSE.

T102 **GREENPOINT MFG** **FINDS** **1000790825**
NE **1155 MANHATTAN AVENUE** **MANIFEST** **NYD987023132**
1/8-1/4 **BROOKLYN, NY 11222** **RCRA-NonGen**
0.243 mi.
1284 ft. **Site 4 of 13 in cluster T**

Relative:
Lower

Actual:
11 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

GREENPOINT MFG (Continued) **1000790825**

corrective action activities required under RCRA.

NY MANIFEST:

Document ID:	PAC7496635
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	921211
Trans1 Recv Date:	921211
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921214
Part A Recv Date:	921224
Part B Recv Date:	921229
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY

GREENPOINT MFG (Continued) **1000790825**

Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7496646
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	921211
Trans1 Recv Date:	921211
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921214
Part A Recv Date:	921224
Part B Recv Date:	921229
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	F003 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	04000
Units:	P - Pounds
Number of Containers:	008
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK

GREENPOINT MFG (Continued) **1000790825**

Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574

Document ID:	PAC7496650
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	921211
Trans1 Recv Date:	921211
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921214
Part A Recv Date:	921224
Part B Recv Date:	921229
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402

GREENPOINT MFG (Continued) **1000790825**

Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7496661
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	921211
Trans1 Recv Date:	921211
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921214
Part A Recv Date:	921224
Part B Recv Date:	921229
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00300
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00500
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00500
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported

GREENPOINT MFG (Continued) **1000790825**

Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574

Document ID:	PAC7989951
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0278
Trans2 State ID:	Not reported
Generator Ship Date:	930218
Trans1 Recv Date:	930218
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930219
Part A Recv Date:	Not reported
Part B Recv Date:	930302
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132

GREENPOINT MFG (Continued) **1000790825**

Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989940
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0278
Trans2 State ID:	Not reported
Generator Ship Date:	930218
Trans1 Recv Date:	930218
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930219
Part A Recv Date:	930308
Part B Recv Date:	930302
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00800
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.

GREENPOINT MFG (Continued) **1000790825**

Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989704
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0015
Trans2 State ID:	Not reported
Generator Ship Date:	930630
Trans1 Recv Date:	930630
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930701
Part A Recv Date:	930714
Part B Recv Date:	930712
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD071629976
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00275
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels

GREENPOINT MFG (Continued) **1000790825**

Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	01200
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00900
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989936
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	PAAH0067
Generator Ship Date:	930219
Trans1 Recv Date:	930219
Trans2 Recv Date:	930222
TSD Site Recv Date:	930222
Part A Recv Date:	930317
Part B Recv Date:	930304
Generator EPA ID:	NYD987023132

GREENPOINT MFG (Continued) **1000790825**

Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	NJD054126164
TSDF ID:	PAD085690592
Waste Code:	P121 - ZINC CYANIDE
Quantity:	00075
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00164
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989925
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0278
Trans2 State ID:	Not reported
Generator Ship Date:	930218
Trans1 Recv Date:	930218
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930219
Part A Recv Date:	930308
Part B Recv Date:	930302

GREENPOINT MFG (Continued) **1000790825**

Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989866
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0069
Trans2 State ID:	Not reported
Generator Ship Date:	930305
Trans1 Recv Date:	930305
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930308
Part A Recv Date:	930317
Part B Recv Date:	930324
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD986609949
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	01250

GREENPOINT MFG (Continued) **1000790825**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	025
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989796
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	930115
Trans1 Recv Date:	930115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930115
Part A Recv Date:	930129
Part B Recv Date:	930127
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	F003 - UNKNOWN
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported

GREENPOINT MFG (Continued) **1000790825**

Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00060
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989800
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	930115
Trans1 Recv Date:	930115
Trans2 Recv Date:	Not reported

GREENPOINT MFG (Continued) **1000790825**

TSD Site Recv Date:	930115
Part A Recv Date:	930129
Part B Recv Date:	930127
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00600
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402

GREENPOINT MFG (Continued) **1000790825**

Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989811
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	930115
Trans1 Recv Date:	930115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930115
Part A Recv Date:	930129
Part B Recv Date:	930127
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132

GREENPOINT MFG (Continued) **1000790825**

Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989310
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	930430
Trans1 Recv Date:	930430
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930503
Part A Recv Date:	930519
Part B Recv Date:	930517
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00050
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	04000
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.

GREENPOINT MFG (Continued) **1000790825**

Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574

Document ID:	PAC7989332
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	930430
Trans1 Recv Date:	930430
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930503
Part A Recv Date:	930519
Part B Recv Date:	930517
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels

GREENPOINT MFG (Continued) **1000790825**

Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989343
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	930430
Trans1 Recv Date:	930430
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930503
Part A Recv Date:	930519
Part B Recv Date:	930517
Generator EPA ID:	NYD987023132

GREENPOINT MFG (Continued) **1000790825**

Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD085690592
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00850
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	MIA3260414
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	XP51XA
Trans2 State ID:	T291HANJ
Generator Ship Date:	930617
Trans1 Recv Date:	930617
Trans2 Recv Date:	930627
TSD Site Recv Date:	930628
Part A Recv Date:	Not reported
Part B Recv Date:	930813
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	NJD054126164
TSDF ID:	MID000724831
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00010
Units:	Y - Cubic yards* (.85 tons)

GREENPOINT MFG (Continued) **1000790825**

Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989354
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	930430
Trans1 Recv Date:	930430
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930503
Part A Recv Date:	930519
Part B Recv Date:	930517
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported

GREENPOINT MFG (Continued) **1000790825**

Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAC7989715
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0015
Trans2 State ID:	Not reported
Generator Ship Date:	930630
Trans1 Recv Date:	930630
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930701
Part A Recv Date:	930714
Part B Recv Date:	930712
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD071629976
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported

GREENPOINT MFG (Continued) **1000790825**

Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574
Document ID:	PAE0402264
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PAAH0067
Trans2 State ID:	Not reported
Generator Ship Date:	930910
Trans1 Recv Date:	930910
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930913
Part A Recv Date:	Not reported
Part B Recv Date:	931007
Generator EPA ID:	NYD987023132
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00800
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00600
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

GREENPOINT MFG (Continued) **1000790825**

Waste Code:	Not reported
Quantity:	00800
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD987023132
Facility Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Facility Address:	2 LAFAYETTE ST RM 402
Facility City:	NEW YORK
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Contact:	GREENPOINT MANUFACTURING & DESIGN CENTER
Mailing Address:	2 LAFAYETTE DR - RM 402
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-566-1574

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	PENSATO INDUSTRIES
Facility address:	1155 MANHATTAN AVE BROOKLYN, NY 11222
EPA ID:	NYD987023132
Mailing address:	MANHATTAN AVE BROOKLYN, NY 11222
Contact:	ANTONIO - PENSATO
Contact address:	MANHATTAN AVE BROOKLYN, NY 11222
Contact country:	US
Contact telephone:	(718) 383-8896
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

GREENPOINT MFG (Continued) **1000790825**

Owner/Operator Summary:

Owner/operator name:	ANTONIO PENSATO
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1990
Owner/Op end date:	Not reported

Owner/operator name:	ANTONIO PENSATO
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1990
Owner/Op end date:	Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency:	12/06/2005
Facility name:	PENSATO INDUSTRIES
Classification:	Small Quantity Generator

Date form received by agency:	10/19/1994
Facility name:	PENSATO INDUSTRIES
Site name:	GREENPOINT MANUFACTURING & DES
Classification:	Not a generator, verified

Date form received by agency:	03/31/1994
Facility name:	PENSATO INDUSTRIES
Site name:	GREENPOINT MANUFACTURING AND DESIGN CTR
Classification:	Large Quantity Generator

Date form received by agency:	12/04/1992

GREENPOINT MFG (Continued) **1000790825**

Facility name: PENSATO INDUSTRIES
Site name: GREENPOINT MANUFACTURING & DES
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

T103 **S & G WOODWORKING INC** **MANIFEST** **1008892201**
NE **1155 MANHATTAN AVE - MAIN FLOO** **RCRA-CESQG** **NYR000135772**
1/8-1/4 **BROOKLYN, NY 11222**
0.243 mi.
1284 ft. **Site 5 of 13 in cluster T**

Relative:
Lower

NY MANIFEST:
No Manifest Records Available

Actual:
11 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2006
Facility name: S & G WOODWORKING INC
Facility address: 1155 MANHATTAN AVE - MAIN FLOO
BROOKLYN, NY 11222
EPA ID: NYR000135772
Mailing address: MANHATTAN AVE - MAIN FLOOR
BROOKLYN, NY 11222
Contact: MOSHE - GRANIT
Contact address: MANHATTAN AVE - MAIN FLOOR
BROOKLYN, NY 11222
Contact country: US
Contact telephone: (718) 389-5602
Telephone ext.: 19
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

S & G WOODWORKING INC (Continued) **1008892201**

hazardous waste

Owner/Operator Summary:

Owner/operator name:	S&G WOODWORKING INC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1983
Owner/Op end date:	Not reported

Owner/operator name:	MOSHE GRANIT-S&G WOODWORKING INC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1983
Owner/Op end date:	Not reported

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency:	12/07/2005
Facility name:	S & G WOODWORKING INC
Classification:	Small Quantity Generator

Violation Status: No violations found

T104 NE 1/8-1/4 0.243 mi. 1284 ft. | **GREENPOINT MANUFACTURING & DESIGN CENTER**
1155-1205 MANHATTAN AVENUE
BROOKLYN, NY 11222 | **UST** | **U004078414**
N/A

Site 6 of 13 in cluster T

Relative: Lower

Actual: 11 ft.

UST:

UST:

Facility Id:	2-601464
Region:	STATE
Expiration Date:	04/29/98
Renewal Date:	/ /
Total Capacity:	20000
Facility Type:	Not reported
Mailing Company:	CITY OF NY DEPT. OF GENERAL SERVICES DIV.OFREAL PR
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	2 LAFAYETTE STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip Code:	10007
Mailing Phone No:	(212) 442-0529
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	2 LAFAYETTE STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	10007
Owner Phone:	(212) 442-0529
Owner Company:	CITY OF NY DEPT. OF GENERAL SERVICES DIV.OFREAL PR
Emergency Contact:	LORI FIERSTEIN
Emergency Phone:	(212) 442-0529
Operator:	LORI FIERSTEIN
Operator Phone:	(212) 442-0529
Owner City:	NEW YORK
Owner Sub Type:	Not reported
UTM X:	588221.15877
UTM Y:	4510155.18412
Site Type Name:	Unknown
Site Type Status:	Active
Comments:	11-14-07 Received check from Greenpoint Mfg & Design Center for $160 with nothing else in the envelope and no PBS No. Unable to contact entity by phone so returned check, with letter, to them at address on check - 1155 Manhattan Ave, Brooklyn, NY11222. nl
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Underground, vaulted, with access
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	5200
Material Name:	#2 Fuel Oil
Percentage:	100.00

GREENPOINT MANUFACTURING & DESIGN CENTER (Continued) **U004078414**

Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	04/01/93

T105 **OLD GAS STATION** **NY Spills** **S106017877**
NE **1160 MANHATTAN AVE** **N/A**
1/8-1/4 **GREEN POINT, NY**
0.243 mi.
1284 ft. **Site 7 of 13 in cluster T**

Relative:
Lower

Actual:
11 ft.

NY Spills:

Site ID:	294462
Facility Addr2:	Not reported
Facility ID:	0306004
Spill Number:	0306004
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JMKRIMGO
Referred To:	Not reported
Spill Date:	09/06/03
Reported to Dept:	09/06/03
CID:	204
Spill Cause:	Deliberate
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Citizen
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. No DEC Response. No corrective action required.
Spill Closed Dt:	09/24/03
Remediation Phase:	0
Date Entered In Computer:	09/06/03
Spill Record Last Update:	12/08/06

OLD GAS STATION (Continued) **S106017877**

Spiller Name:	HENRY SUDOL
Spiller Company:	OLD GAS STATION AT
Spiller Address:	1160 MANHATTEN AVENUE
Spiller City,St,Zip:	GREEN POINT, NY
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	REFUSED
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0306004
DER Facility ID:	238311
Site ID:	294462
Operable Unit ID:	874583
Operable Unit:	01
Material ID:	503242
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0306004 Prior to Sept, 2004 data translation this spill Lead DEC Field was "KRIMGOLD" 9/6/03. J. Krimgold visit the site. Workers braking a concrete pavement for a new construction. No evidence of an old (abandoned) gas stationwas found. PBS and Spills DB search also didn't reveal info. about gas station at this site. END DECRemark - 0306004

Remarks: Start CallerRemark - 0306004 WORK BEING DONE AT ABOVE LOCATION UNKNOWN IF HE HAS THE PROPER PERMITS END CallerRemark - 0306004

T106 **GREENPOINT MANUFACTURING & DESIGN CENTER** **AST** **U003074980**
NE **1155-1205 MANHATTAN AVENUE** **HIST UST** **N/A**
1/8-1/4 **BROOKLYN, NY 11222** **HIST AST**
0.243 mi.
1284 ft. **Site 8 of 13 in cluster T**

Relative:
Lower

Actual:
11 ft.

AST:

AST:

Region:	STATE
Facility Id:	2-601464
UTM X:	588221.15877
UTM Y:	4510155.18412
Expiration Date:	04/29/98
Renewal Date:	/ /
Total Capacity:	20000
Facility Type:	Not reported
Site Type Name:	Unknown
Site Type Status:	Active
Mailing Company:	CITY OF NY DEPT. OF GENERAL SERVICES DIV.OFREAL PR
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	2 LAFAYETTE STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY

GREENPOINT MANUFACTURING & DESIGN CENTER (Continued) **U003074980**

Mailing Zip Code:	10007
Mailing Phone No:	(212) 442-0529
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	2 LAFAYETTE STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	10007
Owner Phone:	(212) 442-0529
Owner Company:	CITY OF NY DEPT. OF GENERAL SERVICES DIV.OFREAL PR
Emergency Contact:	LORI FIERSTEIN
Emergency Phone:	(212) 442-0529
Operator:	LORI FIERSTEIN
Operator Phone:	(212) 442-0529
Owner City:	NEW YORK
Owner Sub Type:	Not reported
Program Type:	PBS

Tank Number:	002
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	/ /
Capacity Gallons:	20000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

HIST UST:

PBS Number:	2-601464
SPDES Number:	Not reported
Emergency Contact:	LORI FIERSTEIN

GREENPOINT MANUFACTURING & DESIGN CENTER (Continued) **U003074980**

Emergency Telephone:	(212) 442-0529
Operator:	LORI FIERSTEIN
Operator Telephone:	(212) 442-0529
Owner Name:	CITY OF NY DEPT. OF GENERAL SERVICES DIV.OFREAL PR
Owner Address:	2 LAFAYETTE STREET
Owner City,St,Zip:	NEW YORK, NY 10007
Owner Telephone:	(212) 442-0529
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	CITY OF NY DEPT. OF GENERAL SERVICES DIV.OFREAL PR
Mailing Address:	2 LAFAYETTE STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10007
Mailing Contact:	Not reported
Mailing Telephone:	(212) 442-0529
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	1155 MANHATTAN AVENUE
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	04/29/1993
Expiration Date:	04/29/1998
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	20000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	5200
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported

GREENPOINT MANUFACTURING & DESIGN CENTER (Continued) **U003074980**

Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	04/01/1993
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

HIST AST:

PBS Number:	2-601464
SWIS Code:	6101
Operator:	LORI FIERSTEIN
Facility Phone:	(212) 442-0529
Facility Addr2:	1155 MANHATTAN AVENUE
Facility Type:	Not reported
Emergency:	LORI FIERSTEIN
Emergency Tel:	(212) 442-0529
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	CITY OF NY DEPT. OF GENERAL SERVICES DIV.OFREAL PR
Owner Address:	2 LAFAYETTE STREET
Owner City,St,Zip:	NEW YORK, NY 10007
Federal ID:	Not reported
Owner Tel:	(212) 442-0529
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	CITY OF NY DEPT. OF GENERAL SERVICES DIV.OFREAL PR
Mailing Address:	2 LAFAYETTE STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10007
Mailing Telephone:	(212) 442-0529
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	04/29/1993
Expiration:	04/29/1998
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	20000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61

GREENPOINT MANUFACTURING & DESIGN CENTER (Continued) **U003074980**

Town or City Code:	01
Region:	2
Tank ID:	002
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	20000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Not reported
Leak Detection:	Not reported
Overfill Protection:	Not reported
Dispenser Method:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

T107 **1160 MANHATTAN AVE** **UST** **U004044945**
NE **1160 MANHATTAN AVENUE** **N/A**
1/8-1/4 **BROOKLYN, NY 11222**
0.243 mi.
1284 ft. **Site 9 of 13 in cluster T**

Relative:
Lower

Actual:
11 ft.

UST:

UST:

Facility Id:	2-609279
Region:	STATE
Expiration Date:	10/06/08
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	SSC RENOVATIONS CORP.
Mailing Title:	Not reported
Mailing Contact:	HENRY SUDOL
Mailing Address:	1160 MANHATTAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	(718) 416-0793
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	1160 MANHATTAN AVE.

1160 MANHATTAN AVE (Continued) **U004044945**

Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222
Owner Phone:	(718) 416-0793
Owner Company:	HENRY SUDOL
Emergency Contact:	HENRY SUDOL
Emergency Phone:	(917) 769-8268
Operator:	HENRY SUDOL
Operator Phone:	(718) 416-0793
Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial
UTM X:	588202.30579
UTM Y:	4510144.70959
Site Type Name:	Apartment Building/Office Building
Site Type Status:	Unregulated
Comments:	Not reported
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	551
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	09/20/03
Tank Number:	002
Tank Location Name:	Underground
Tank Status:	Closed - Removed

1160 MANHATTAN AVE (Continued) **U004044945**

Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	/ /
Capacity Gallons:	551
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	None
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	09/20/03

T108 **MANHATTAN AVE & ASH ST** **NY Spills** **S106721600**
NE **MANHATTAN AVE / ASH ST** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.243 mi.
1284 ft. **Site 10 of 13 in cluster T**

Relative:
Lower

Actual:
11 ft.

NY Spills:

Site ID:	333338
Facility Addr2:	Not reported
Facility ID:	0408568
Spill Number:	0408568
Facility Type:	ER
SWIS:	3101
Region of Spill:	2
Investigator:	SFRAHMAN
Referred To:	Not reported
Spill Date:	10/27/04
Reported to Dept:	11/03/04
CID:	407
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended

MANHATTAN AVE & ASH ST (Continued) **S106721600**

UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/13/06
Remediation Phase:	0
Date Entered In Computer:	11/03/04
Spill Record Last Update:	02/13/06
Spiller Name:	Not reported
Spiller Company:	TULLY CONTRACTORS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0408568
DER Facility ID:	268571
Site ID:	333338
Operable Unit ID:	1095493
Operable Unit:	01
Material ID:	575628
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0408568 Con Ed e2mis no. 156097: On NOV 3, 2004 at 14:45 hours, EH&S representative W. Murphy #76378 reports the following: Mr. Crossman indicated that on 10/27/04, at approximately 1030 hours, he was on location at ManhattanAve. n/o Ash St. in Brooklyn to install a rectifier. The area n/o Ash St. on Manhattan Ave. is the site of an ongoing NYC public improvement project utilizing Tully Construction. While on location, Mr. Crossman observed a crew - believed to be fromTully Construction - excavating at the site of a possible water main break at the NE corner of Manhattan Ave. & Ash St. Mr. Crossman noted that soil from a 6'x 6'x 4' excavation was black in color; he noted that the soil had no odor. Mr. Crossman spoke with a member of the Tully crew who indicated that, based on his experience and observations, the "entire area" was oil contaminated. On 11/2/04 at approximately 1000 hours, Mr. Crossman returned to the location to connect A/C power to the rectifier and noted that a trench had been dug, anodes buried, and the trench filled. He reported his observations to Gas EH&S William Murphy (#76378) at 1120 hours. Subsequent investigation revealed that, after Crossman's initial visit on 10/27, Tully was contracted by Con Edison to excavate and bury anodes at a location on the east side of Manhattan Ave. approximately 150' n/o the water leak excavation. On 11/03/04 Murphy visited the location and spoke with M&C Construction Representative John O'Hora (#11367) and Gas Corrosion Supervisor John Dimiceli ((#48440). O'Hora indicated that the public improvement project had begun about 6 weeks earlier and that he was assigned to monitor the contractor for Con Edison. He also indicated that heobserved the contractor dig the anode trench (8 to 9' deep x 30' and an additional 30' length 2 - 3 ' deep for access to AC supply). O'Hora indicated that he observed no contamination and that the contractor had not made any reports to him of contamination. Gas

MANHATTAN AVE & ASH ST (Continued) **S106721600**

Corrosion Supervisor Dimiceli indicated that he had seen no oil contamination in the anode trench. While on location, Murphy examined an excavation to the transmission feeders and a second excavation and observed no obvious contamination. The anode trench was back-filled. The excavation for the water leak was back-filled. END DECRemark - 0408568

Remarks: Start CallerRemark - 0408568 Con ed NOT responsible, Noitced possible soil contamination. END CallerRemark - 0408568

U109 **145 WEST STREET** **LTANKS** **S101341059**
SSW **145 WEST STREET** **HIST LTANKS** **N/A**
1/8-1/4 **BROOKLYN, NY**
0.245 mi.
1291 ft. **Site 1 of 5 in cluster U**

Relative:
Lower

Actual:
11 ft.

LTANKS:

Site ID:	176037
Spill Date:	09/29/94
Facility Addr2:	Not reported
Facility ID:	9408663
Program Number:	9408663
SWIS:	2401
Region of Spill:	2
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	09/29/94
CID:	14
Spill Cause:	Tank Test Failure
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Tank Tester
Cleanup Ceased:	12/02/94
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/02/94
Remediation Phase:	0
Date Entered In Computer:	11/01/94
Spill Record Last Update:	12/02/94
Spille Namer:	Not reported
Spiller Company:	COMMERCIAL BLDG COOP APTS
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	145 WEST STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9408663
DER Facility ID:	147953
Site ID:	176037
Operable Unit ID:	1002784
Operable Unit:	01
Material ID:	378091

145 WEST STREET (Continued) **S101341059**

Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	176037
Spill Tank Test:	1543192
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/01/04
Test Method:	Unknown
DEC Memo:	Not reported
Remarks:	Not reported

Site ID:	176036
Spill Date:	09/21/94
Facility Addr2:	Not reported
Facility ID:	9408283
Program Number:	9408283
SWIS:	2401
Region of Spill:	2
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	09/22/94
CID:	14
Spill Cause:	Tank Test Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Tank Tester
Cleanup Ceased:	12/02/94
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/02/94
Remediation Phase:	0
Date Entered In Computer:	10/31/94
Spill Record Last Update:	03/03/00
Spille Namer:	Not reported
Spiller Company:	UNKNOWN
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported

145 WEST STREET (Continued) **S101341059**

Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9408283
DER Facility ID:	147953
Site ID:	176036
Operable Unit ID:	1005855
Operable Unit:	01
Material ID:	377721
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	176036
Spill Tank Test:	1543162
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/01/04
Test Method:	Unknown
DEC Memo:	Not reported
Remarks:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9408663
Investigator:	O'DOWD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	09/29/1994
Spill Time:	10:30
Reported to Department Date:	09/29/94
Reported to Department Time:	11:53
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	COMMERCIAL BLDG COOP APTS
Spiller Address:	145 WEST STREET
Spiller City,St,Zip:	BROOKLYN, NEW YORK
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Test Failure

145 WEST STREET (Continued) **S101341059**

Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Tank Tester
PBS Number: Not reported
Cleanup Ceased: 12/02/94
Cleanup Meets Standard: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/02/94
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/01/94
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 12/02/94
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 12/02/94: CLOSED OUT 20K TANK, TOOK SOIL SAMPLES BELOW STARS.
Spill Cause: TO PUMP TANK OUT VIA NOTIFIER

Region of Spill: 2
Spill Number: 9408283
Investigator: MARTINKAT
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spill Date: 09/21/1994
Spill Time: 12:00
Reported to Department Date: 09/22/94
Reported to Department Time: 08:16

145 WEST STREET (Continued) **S101341059**

SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Cleanup Ceased:	12/02/94
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/02/94
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	10/31/94
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	03/03/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	0
Test Method:	Not reported
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	12/02/94: CLOSED OUT 20K TANK, TOOK SOIL SAMPLES, BELOW STARS. SEE O DOWD S FILES: 9408663
Spill Cause:	TTF- WILL RECOMMEND REPAIRS

U110 SSW 1/8-1/4 0.245 mi. 1291 ft.

Relative: Lower

Actual: 11 ft.

HUXLEY ENVELOPE CORP
145 WEST ST
BROOKLYN, NY 11222

Site 2 of 5 in cluster U

FINDS **1000282563**
UST **NYD002017481**
AST
HIST UST
MANIFEST
HIST AST
RCRA-NonGen

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

UST:

UST:

Facility Id:	2-054739
Region:	STATE
Expiration Date:	12/30/96
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Mailing Company:	HUXLEY ENVELOPE CORPORATION
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	35 SOUTH SERVICE ROAD
Mailing Address 2:	Not reported
Mailing City:	PLAINSVIEW
Mailing State:	NY
Mailing Zip Code:	11803
Mailing Phone No:	(515) 752-2481
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	35 SOUTH SERVICE ROAD
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11803
Owner Phone:	(515) 752-2481
Owner Company:	HUXLEY ENVELOPE CORPORATION
Emergency Contact:	BAL RAMDEO
Emergency Phone:	(718) 389-7800
Operator:	BAL RAMDEO
Operator Phone:	(718) 389-7800
Owner City:	PLAINSVIEW
Owner Sub Type:	Corporate or Commercial
UTM X:	587885.79758
UTM Y:	4509488.22250
Site Type Name:	Manufacturing (Other than Chemical)/Processing
Site Type Status:	Unregulated
Comments:	Not reported
Program Type:	PBS

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Tank Number:	001
Tank Location Name:	Underground
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	09/01/70
Capacity Gallons:	20000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	09/01/89
Next Test Date:	/ /
Date Tank Closed:	10/01/94

AST:

AST:

Region:	STATE
Facility Id:	2-054739
UTM X:	587885.79758
UTM Y:	4509488.22250
Expiration Date:	12/30/96
Renewal Date:	/ /
Total Capacity:	0
Facility Type:	Not reported
Site Type Name:	Manufacturing (Other than Chemical)/Processing
Site Type Status:	Unregulated
Mailing Company:	HUXLEY ENVELOPE CORPORATION
Mailing Title:	Not reported
Mailing Contact:	Not reported
Mailing Address:	35 SOUTH SERVICE ROAD
Mailing Address 2:	Not reported
Mailing City:	PLAINSVIEW
Mailing State:	NY
Mailing Zip Code:	11803
Mailing Phone No:	(515) 752-2481
Mailing Email:	Not reported

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	35 SOUTH SERVICE ROAD
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11803
Owner Phone:	(515) 752-2481
Owner Company:	HUXLEY ENVELOPE CORPORATION
Emergency Contact:	BAL RAMDEO
Emergency Phone:	(718) 389-7800
Operator:	BAL RAMDEO
Operator Phone:	(718) 389-7800
Owner City:	PLAINSVIEW
Owner Sub Type:	Corporate or Commercial
Program Type:	PBS

Tank Number:	002
Tank Location Name:	Aboveground on crib, rack, or cradle
Tank Status:	Tank Converted to Non-Regulated Use
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/94
Capacity Gallons:	10000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Diking (Aboveground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Vent Whistle
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /

HIST UST:

PBS Number:	2-054739
SPDES Number:	Not reported
Emergency Contact:	BAL RAMDEO
Emergency Telephone:	(718) 348-0597
Operator:	BAL RAMDEO
Operator Telephone:	(718) 389-7800

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Owner Name:	HUXLEY ENVELOPE CORPORATION
Owner Address:	35 SOUTH SERVICE ROAD
Owner City,St,Zip:	PLAINSVIEW, NY 11803
Owner Telephone:	(515) 752-2481
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	HUXLEY ENVELOPE CORPORATION
Mailing Address:	35 SOUTH SERVICE ROAD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	PLAINSVIEW, NY 11803
Mailing Contact:	Not reported
Mailing Telephone:	(515) 752-2481
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	145 WEST STREET
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	10/25/1994
Expiration Date:	12/30/1996
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	10000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19700901
Capacity (gals):	20000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Dispenser:	Suction
Date Tested:	09/01/1989
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/01/1994
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

NY MANIFEST:

Document ID:	NJA0533287
Manifest Status:	Completed copy
Trans1 State ID:	S58112603
Trans2 State ID:	Not reported
Generator Ship Date:	881021
Trans1 Recv Date:	881021
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881024
Part A Recv Date:	881102
Part B Recv Date:	881102
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NJD982281016
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NJA0551047
Manifest Status:	Completed copy
Trans1 State ID:	S5811
Trans2 State ID:	Not reported
Generator Ship Date:	881214
Trans1 Recv Date:	881214
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881215
Part A Recv Date:	881220
Part B Recv Date:	881223
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NJD982281016
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	88
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800

Document ID:	NYB5005305
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	920430
Trans1 Recv Date:	920430
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920507
Part A Recv Date:	Not reported
Part B Recv Date:	920526
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	125
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Document ID:	NYB5864679
Manifest Status:	Completed copy
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	920312
Trans1 Recv Date:	920312
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920313
Part A Recv Date:	Not reported
Part B Recv Date:	920325
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800

Document ID:	NJA0632202
Manifest Status:	Completed copy
Trans1 State ID:	S58112603
Trans2 State ID:	Not reported
Generator Ship Date:	890419
Trans1 Recv Date:	890419

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890419
Part A Recv Date:	890427
Part B Recv Date:	890427
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NJD982281016
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB5832405
Manifest Status:	Completed copy
Trans1 State ID:	ET4521
Trans2 State ID:	Not reported
Generator Ship Date:	920120
Trans1 Recv Date:	920120
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920124
Part A Recv Date:	920203
Part B Recv Date:	920206
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	125
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB4035582
Manifest Status:	Completed copy
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	921207
Trans1 Recv Date:	921207
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921208
Part A Recv Date:	921215
Part B Recv Date:	921222
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	123
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB5006079
Manifest Status:	Completed copy
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	920813
Trans1 Recv Date:	920813
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920814
Part A Recv Date:	Not reported
Part B Recv Date:	920827
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00086
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	134
Year:	92
Manifest Tracking Num:	Not reported
Import Ind:	Not reported

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB4036302
Manifest Status:	Completed copy
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	930208
Trans1 Recv Date:	930208
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930210
Part A Recv Date:	930218
Part B Recv Date:	930226
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	121
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800

Document ID:	NYB4036761
Manifest Status:	Completed copy
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	930413
Trans1 Recv Date:	930413
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930414
Part A Recv Date:	Not reported
Part B Recv Date:	930427
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	134
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB2088126
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PA7603
Trans2 State ID:	Not reported
Generator Ship Date:	891109
Trans1 Recv Date:	891109
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891120
Part A Recv Date:	891124
Part B Recv Date:	891205
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800

Document ID:	NYA7056747
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	890821
Trans1 Recv Date:	890821
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890823
Part A Recv Date:	890828
Part B Recv Date:	890920
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	89
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB2078730
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	900301
Trans1 Recv Date:	900301
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900305
Part A Recv Date:	900321
Part B Recv Date:	900320
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB2080107
Manifest Status:	Completed copy
Trans1 State ID:	IA7667

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Trans2 State ID:	Not reported
Generator Ship Date:	901025
Trans1 Recv Date:	901025
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	901029
Part A Recv Date:	901109
Part B Recv Date:	901113
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	134
Year:	90
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB2079171
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	900507
Trans1 Recv Date:	900507
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900509
Part A Recv Date:	900625

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Part B Recv Date:	900627
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00090
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	140
Year:	90
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800

Document ID:	NYB2058741
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	900720
Trans1 Recv Date:	900720
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900723
Part A Recv Date:	900821
Part B Recv Date:	900910
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Quantity:	00080
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	134
Year:	90
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB2079855
Manifest Status:	Completed copy
Trans1 State ID:	PA6703
Trans2 State ID:	Not reported
Generator Ship Date:	900912
Trans1 Recv Date:	900912
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900913
Part A Recv Date:	901003
Part B Recv Date:	901003
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	134

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Year:	90
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB4009131
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	930824
Trans1 Recv Date:	930824
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930829
Part A Recv Date:	931008
Part B Recv Date:	930927
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00160
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	134
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800

Document ID:	NYA7048854
Manifest Status:	Completed copy
Trans1 State ID:	ET4521
Trans2 State ID:	Not reported
Generator Ship Date:	931103
Trans1 Recv Date:	931103
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	931103
Part A Recv Date:	931118
Part B Recv Date:	931124
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	134
Year:	93
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800
Document ID:	NYB2092320
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	IA7667
Trans2 State ID:	Not reported
Generator Ship Date:	901129
Trans1 Recv Date:	901129
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	901203
Part A Recv Date:	910111
Part B Recv Date:	910115
Generator EPA ID:	NYD002017481
Trans1 EPA ID:	NYD057722258
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057722258
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD002017481
Facility Name:	HUXLEY ENVELOPE CORP
Facility Address:	145 WEST ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Country:	USA
Mailing Name:	HUXLEY ENVELOPE CORP
Mailing Contact:	HUXLEY ENVELOPE CORP
Mailing Address:	145 WEST STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-389-7800

Click this hyperlink while viewing on your computer to access
13 additional NY_MANIFEST: record(s) in the EDR Site Report.

HIST AST:

PBS Number:	2-054739
SWIS Code:	6101
Operator:	BAL RAMDEO
Facility Phone:	(718) 389-7800
Facility Addr2:	145 WEST STREET
Facility Type:	MANUFACTURING
Emergency:	BAL RAMDEO
Emergency Tel:	(718) 348-0597
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	HUXLEY ENVELOPE CORPORATION
Owner Address:	35 SOUTH SERVICE ROAD
Owner City,St,Zip:	PLAINSVIEW, NY 11803
Federal ID:	Not reported
Owner Tel:	(515) 752-2481
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	HUXLEY ENVELOPE CORPORATION
Mailing Address:	35 SOUTH SERVICE ROAD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	PLAINSVIEW, NY 11803
Mailing Telephone:	(515) 752-2481
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/25/1994
Expiration:	12/30/1996
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	10000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Town or City: NEW YORK CITY
County Code: 61
Town or City Code: 01
Region: 2

Tank ID: 002
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status: In Service
Install Date: 19941201
Capacity (Gal): 10000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: 0
Tank External: 01
Pipe Location: Aboveground
Pipe Type: STEEL/IRON
Pipe Internal: None
Pipe External: 00
Tank Containment: 08
Leak Detection: 00
Overfill Protection: 46
Dispenser Method: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

RCRA-NonGen:
Date form received by agency: 01/01/2006
Facility name: HUXLEY ENVELOPE CORP
Facility address: 145 WEST ST
BROOKLYN, NY 112221501
EPA ID: NYD002017481
Mailing address: WEST ST
BROOKLYN, NY 11222
Contact: -
Contact address: WEST ST
BROOKLYN, NY 11222
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No

HUXLEY ENVELOPE CORP (Continued) **1000282563**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 07/08/1999
Facility name: HUXLEY ENVELOPE CORP
Classification: Not a generator, verified

Date form received by agency: 07/09/1986
Facility name: HUXLEY ENVELOPE CORP
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/13/1990
Date achieved compliance: 08/13/1990
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/01/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/13/1990
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 08/13/1990
Evaluation lead agency: State

T111
NE
1/8-1/4
0.245 mi.
1295 ft.

MANHATTAN AVE. RECYCLING CORP.
1166 MANHATTAN AVE.
BROOKLYN, NY 11222

SWF/LF **S105841735**
N/A

Site 11 of 13 in cluster T

Relative:
Lower

Actual:
11 ft.

SWF/LF:

Flag:	INACTIVE
Secondary Addr:	Not reported
Region Code:	2
Phone Number:	0
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	JULIAN FILIPONE; PRESIDENT
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - regulated
Activity Number:	24T54
Active:	No
East Coordinate:	588200
North Coordinate:	4510200
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	2-6101-00069
Authorization Date:	Not reported
Expiration Date:	Not reported

T112
NE
1/8-1/4
0.245 mi.
1295 ft.

1166 MANHATTAN AVE
1166 MANHATTAN AVE
BROOKLYN, NY

NY Spills **S102144097**
NY Hist Spills **N/A**

Site 12 of 13 in cluster T

Relative:
Lower

Actual:
11 ft.

NY Spills:

Site ID:	222685
Facility Addr2:	Not reported
Facility ID:	8603247
Spill Number:	8603247
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	CSCUIPYL
Referred To:	Not reported
Spill Date:	08/14/86
Reported to Dept:	08/14/86
CID:	14
Spill Cause:	Deliberate
Water Affected:	NONE
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	08/14/86

1166 MANHATTAN AVE (Continued) **S102144097**

Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	08/14/86
Remediation Phase:	0
Date Entered In Computer:	09/10/86
Spill Record Last Update:	02/17/88
Spiller Name:	Not reported
Spiller Company:	JULLIAN FILIPONE
Spiller Address:	1116 MANHATTAN AVE
Spiller City,St,Zip:	BROOKLYN, NY 11222
Spiller Company:	001
Spiller Phone:	(718) 389-8948
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	8603247
DER Facility ID:	184138
Site ID:	222685
Operable Unit ID:	900518
Operable Unit:	01
Material ID:	476076
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	222685
Operable Unit ID:	900518
Operable Unit:	01
Material ID:	476077
Material Code:	0630A
Material Name:	NONENE
Case No.:	Not reported
Material FA:	Other
Quantity:	0.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
DEC Memo:	Start DECRemark - 8603247 Prior to Sept, 2004 data translation this spill Lead DEC Field was "CUIPYLO" END DECRemark - 8603247
Remarks:	Start CallerRemark - 8603247 UNLINED W.O. PIT END CallerRemark - 8603247

NY Hist Spills:

Region of Spill:	2
Spill Number:	8603247
Investigator:	CUIPYLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported

1166 MANHATTAN AVE (Continued) **S102144097**

Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	08/14/1986 09:00
Reported to Dept Date/Time:	08/14/86 09:00
SWIS:	61
Spiller Name:	JULLIAN FILIPONE
Spiller Contact:	Not reported
Spiller Phone:	(718) 389-8948
Spiller Address:	1116 MANHATTAN AVE
Spiller City,St,Zip:	BROOKLYN 11222
Spill Cause:	Deliberate
Reported to Dept:	Groundwater
Water Affected:	NONE
Spill Source:	01
Spill Notifier:	DEC
PBS Number:	Not reported
Cleanup Ceased:	08/14/86
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	08/14/86
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	09/10/86
Date Spill Entered In Computer Data File:	Not reported
Update Date:	02/17/88
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	WASTE OIL
Class Type:	WASTE OIL
Times Material Entry In File:	9509
CAS Number:	Not reported
Last Date:	19940927
Material Class Type:	Hazardous Material
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	NONENE

1166 MANHATTAN AVE (Continued) **S102144097**

Class Type: NONENE
Times Material Entry In File: 1
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Not reported
Remark: UNLINED W.O. PIT

T113
NE
1/8-1/4
0.245 mi.
1295 ft.

NEW YORK RECYCLERS; INC.(MANHATTAN AVE)
1166-68 MANHATTAN AVENUE
BROOKLYN, NY 11222

Site 13 of 13 in cluster T

SWF/LF **S105841916**
N/A

Relative:
Lower

Actual:
11 ft.

SWF/LF:
Flag: INACTIVE
Secondary Addr: Not reported
Region Code: 2
Phone Number: 7183492540
Owner Name: Not reported
Owner Type: Not reported
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: Not reported
Owner Email: Not reported
Owner Phone: Not reported
Contact Name: TIMOTHY FULTON
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Email: Not reported
Contact Phone: Not reported
Activity Desc: C&D processing - registered
Activity Number: 24WE7
Active: No
East Coordinate: 588210
North Coordinate: 4510151
Accuracy Code: Not reported
Regulatory Status: Not reported
Waste Type: Not reported
Authorization #: None
Authorization Date: Not reported
Expiration Date: Not reported

U114
South
1/8-1/4
0.249 mi.
1315 ft.

COMMERCIAL SITE
32-42 INDIA ST
BROOKLYN, NY

Site 3 of 5 in cluster U

NY Spills **S108957288**
N/A

Relative:
Lower

Actual:
11 ft.

NY Spills:
Site ID: 390593
Facility Addr2: Not reported
Facility ID: 0709505
Spill Number: 0709505
Facility Type: ER
SWIS: 2401

COMMERCIAL SITE (Continued) **S108957288**

Region of Spill:	2
Investigator:	rvketani
Referred To:	Not reported
Spill Date:	12/03/07
Reported to Dept:	12/03/07
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Remediation Phase:	1
Date Entered In Computer:	12/03/07
Spill Record Last Update:	01/23/08
Spiller Name:	FRED BARILLA
Spiller Company:	COMMERCIAL SITE
Spiller Address:	32-42 INDIA ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Spiller Phone:	(631) 589-6353
Contact Name:	FRED BARILLA
Contact Phone:	(631) 589-6353
DEC Region:	2
Program Number:	0709505
DER Facility ID:	340190
Site ID:	390593
Operable Unit ID:	1147695
Operable Unit:	01
Material ID:	2138147
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False

DEC Memo: Start DECRemark - 0709505 12/3/07 - Raphael Ketani. I spoke to Fred Barilla at P.W. Grosser Consulting (631) 589-6353. He said that PWGC did an investigation because the site is going to be turned into a residential property and DEP gave it an "E" designation. They did a subsurface investigation and a geophysical investigation. Three anomalies - suspect USTs - were detected. Two of the anomalies had contaminated soil in their vicinities. Seven borings were performed. The commercial buildingwill be demolished. I asked Mr. Barilla whether he had any data. He said he had soil and groundwater data. I asked him for copies of all of the data and any figures and pictures so that DEC can evaluate the conditions at the property. I told himthat DEC will determine whether the investigation has been complete enough for the site conditions. He said he will send all of the documents. I also asked for the owner's

COMMERCIAL SITE (Continued) **S108957288**

information. He said he will send it to DEC. The site is in the western part of Greenpoint, Brooklyn, probably a couple of blocks from the East River. 12/5/07 - Raphael Ketani. Today, Mr. Barilla sent me the soil and groundwater analyticals. 12/6/07 - Raphael Ketani. I reviewed the soil and groundwater data. Borings B-1 and B-3 to B-6 were almost completely non-detect for soil VOCs. B-2 had the dirtiest results. There were 9 VOC exceedences and many other high hits where no standard was available. Boring B-7 had 8 VOC hits with one exceedence. Borings B-3,B-4 and B-6 had SVOC exceedences. However, they were not particularly high (13,000 ppb maximum) and consisted of the same benzo series species, with a few associated combustion products. All of the other analytes for these borings and the other borings were non-detect. Regarding groundwater analyticals, wells B-2GW, B-6GW, and B-7GW had, for the most part, the same hits and exceedences. The highest hits were as follows:
B-2 B-6 B-7 1,2,4 trimethylbenzene 160 510
600 1,3,5 trimethylbenzene 52 160 120 total xylenes
960 2230 170 toluene 280 630 "U"
ethylbenzene 180 400 48 naphthalene150 32 53
(all other SVOCs were "U", except for low hits of 2-methylnaphthalene)
Boring logs for B-2 and B-7 indicate PID detectections of up to 1906 ppm total volatiles for the interval from 5’ to 15’, with some low level contamination detected from 0’ to 5’. I contacted Mr. Barilla and told him that the DEC will require more remediation work for the soil, groundwater and any tanks that are found. He said he understood. I sent a letter describing the work that needed to be done to the architect. The DEP and Mr. Barilla were "c-c’d."
The owner is: Miriam Chan, 32 Tower LLC, c/o James W. Chen, JWC Architect, PLLC, 19 W. 21 Street, Ste 604, New York, 10010, (212) 253-0855. DEP contact: Terrell Estesen, NYCDEP, Office of Environmental Planning and Assessment, 59-19 Junction Blvd., 11th Floor, Elmhurst, NY, 11373-5108, (718) 595-4473. Mr. Barilla’s address is: Fred Barilla, P.W. Grosser Consulting, 630 Johnson Avenue, Ste 7, Bohemia, NY, 11716. 1/4/08 - Raphael Ketani. I spoke to Mr. Barilla today. He said that the Phase 2 report was finished and that he will mail it out very soon. I told him that, from the soil and groundwater analyticals that DEC has received so far, the soil will need to be excavated and the groundwater will need to be collected. I added that post excavation and collection samples will also have to be taken. He said he understood. I told him that DEC will not wait for this work to be done after the building is torn down andthe ground is excavated. I told him that the investigation work has to start as soon as possible. He said he understood DEC’s requirements. 1/11/08 - Raphael Ketani. Today I received the January 2008 Phase II Environmental Site Assessment Reportfrom PW Grosser Corp. I started my review of the Phase II. 1/23/08 - Raphael Ketani. I finished my review of the Phase II. It contained the same soil and groundwater analytical results as I had received on 12/5/07. I sent a letter on 12/6/07 tothe architect, DEP and Mr. Barilla describing the additional work that DEC was requiring to remediate the site. I also spoke to Mr. Barilla (631) 589-6353 on 1/4/08 about the additional work. I spoke to Mr. Barilla about the 12/6/07 letter. He said he is waiting to get the permits to pull the tanks from DEP. He said that once he has this permit, then the rest of the work on the site will proceed. I told him that DEC is requesting that the remediation work take place soon. He said he will lean on the DEP to give him a quick turnaround on the permit application. END DECRemark - 0709505

Remarks: Start CallerRemark - 0709505 SOIL BORING NEXT TO SUSPECTED TANK; END CallerRemark - 0709505

115 SW 1/8-1/4 0.249 mi. 1317 ft. | **DEVEN LITHOGRAPHERS, INC.**
15 HURON STREET
BROOKLYN, NY 11222 | **UST** | **U003418604**
HIST UST | **N/A**

Relative: Lower

Actual: 4 ft.

UST:

UST:

Facility Id:	2-603732
Region:	STATE
Expiration Date:	11/05/03
Renewal Date:	/ /
Total Capacity:	5000
Facility Type:	Not reported
Mailing Company:	DEVEN LITHOGRAPHERS, INC.
Mailing Title:	Not reported
Mailing Contact:	PETER F. MONTALBANO
Mailing Address:	15 HURON STREET
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	(718) 383-1700
Mailing Email:	Not reported
Owner Title:	Not reported
Owner Name:	Not reported
Owner Address:	15 HURON STREET
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222
Owner Phone:	(718) 383-1700
Owner Company:	DEVEN LITHOGRAPHERS, INC.
Emergency Contact:	PETER F. MONTALBANO
Emergency Phone:	(718) 383-1724
Operator:	EDWARD GAMBELLA II
Operator Phone:	(718) 383-1700
Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial
UTM X:	587695.83786
UTM Y:	4509540.90174
Site Type Name:	Unknown
Site Type Status:	Active
Comments:	Not reported
Program Type:	PBS
Tank Number:	011
Tank Location Name:	Underground
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	/ /
Capacity Gallons:	5000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating

DEVEN LITHOGRAPHERS, INC. (Continued) **U003418604**

Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	Painted/Asphalt Coating
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	None
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Exempt Suction Piping
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Vent Whistle
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZ Check I or II
Date Tested:	08/01/98
Next Test Date:	08/01/03
Date Tank Closed:	/ /

HIST UST:

PBS Number:	2-603732
SPDES Number:	Not reported
Emergency Contact:	PETER F. MONTALBANO
Emergency Telephone:	(718) 383-1724
Operator:	EDWARD GAMBELLA II
Operator Telephone:	(718) 383-1700
Owner Name:	DEVEN LITHOGRAPHERS, INC.
Owner Address:	15 HURON STREET
Owner City,St,Zip:	BROOKLYN, NY 11222
Owner Telephone:	(718) 383-1700
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	DEVEN LITHOGRAPHERS, INC.
Mailing Address:	15 HURON STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11222
Mailing Contact:	PETER F. MONTALBANO
Mailing Telephone:	(718) 383-1700
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	15 HURON STREET
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/17/1998
Expiration Date:	11/05/2003
Renew Flag:	False
Renewal Date:	Not reported

DEVEN LITHOGRAPHERS, INC. (Continued) **U003418604**

Total Capacity:	5000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2

Tank Id:	011
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Vent Whistle
Dispenser:	Suction
Date Tested:	08/01/1998
Next Test Date:	08/01/2003
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

U116 **VALUT 7059** **NY Spills** **S104952401**
SSW **INDIA ST/WEST ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.250 mi.
1322 ft. **Site 4 of 5 in cluster U**

Relative:
Lower

Actual:
11 ft.

NY Spills:

Site ID:	140852
Facility Addr2:	Not reported
Facility ID:	0011610
Spill Number:	0011610
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	OKWUOHA
Referred To:	Not reported
Spill Date:	01/27/01
Reported to Dept:	01/27/01
CID:	396
Spill Cause:	Unknown

VALUT 7059 (Continued) **S104952401**

Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/05/01
Remediation Phase: 0
Date Entered In Computer: 01/27/01
Spill Record Last Update: 08/13/01
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: SEAN MCKEEVER
Contact Phone: (212) 580-6763
DEC Region: 2
Program Number: 0011610
DER Facility ID: 120292
Site ID: 140852
Operable Unit ID: 833629
Operable Unit: 01
Material ID: 541917
Material Code: 0064A
Material Name: UNKNOWN MATERIAL
Case No.: Not reported
Material FA: Other
Quantity: 1.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 0011610 1 oz on 60 gal of water...samples taken clean up pending...ref # 135261. END CallerRemark - 0011610

NY Hist Spills:
Region of Spill: 2
Spill Number: 0011610
Investigator: OKWUOHA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 01/27/2001 10:00
Reported to Dept Date/Time: 01/27/01 11:06
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported

VALUT 7059 (Continued) **S104952401**

Spiller Phone:	( ) -
Spiller Contact:	SEAN MCKEEVER
Spiller Phone:	(212) 580-6763
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/05/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/27/01
Date Spill Entered In Computer Data File:	Not reported
Update Date:	08/13/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Raw Sewage
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN MATERIAL
Class Type:	UNKNOWN MATERIAL
Times Material Entry In File:	9140
CAS Number:	Not reported
Last Date:	19941109
DEC Remarks:	E2MIS Notes 1/27/00: 1 ounce of unknown oil and 60 gallons of water. Source unknown. No oil in piping. No sewers or waterways affected. No private property affected. No fire or smoke. Transformer passed pressure test. 15:25hrs. S. Zalloughi called and states status of job the same. 1-29-01 0725hrs. LSN 01-00883 1ppm -1254 Aroclor Structure was double washed and rinsed using slix and water. Cleanup completed and tag removed. Incident is closed. 1-31-01 0410 Structure recleaned using slix and water . Rain caused a sheen in structure and it was decided by the Equip. Gp to use previous lab results.
Remark:	1 o on 60 gal of water...samples taken clean up pending...ref 135261.

U117 **VAULT 5337** **NY Spills** **S104952400**
SSW **INDIA ST/ WEST ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.250 mi.
1322 ft. **Site 5 of 5 in cluster U**

Relative:
Lower

Actual:
11 ft.

NY Spills:

Site ID:	277648
Facility Addr2:	Not reported
Facility ID:	0011609
Spill Number:	0011609
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	OKWUOHA
Referred To:	Not reported
Spill Date:	01/27/01
Reported to Dept:	01/27/01
CID:	396
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/05/01
Remediation Phase:	0
Date Entered In Computer:	01/27/01
Spill Record Last Update:	08/13/01
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	SEAN MCKEEVER
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0011609
DER Facility ID:	225683
Site ID:	277648
Operable Unit ID:	833628
Operable Unit:	01
Material ID:	541916
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported

VAULT 5337 (Continued) **S104952400**

Remarks: Start CallerRemark - 0011609 1/2 pint spilled into a sump pit in the vault...samples taken clean up pending...ref # 135260. END CallerRemark - 0011609

NY Hist Spills:

Region of Spill:	2
Spill Number:	0011609
Investigator:	OKWUOHA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	01/27/2001 09:15
Reported to Dept Date/Time:	01/27/01 10:10
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	SEAN MCKEEVER
Spiller Phone:	(212) 580-6763
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/05/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/27/01
Date Spill Entered In Computer Data File:	Not reported
Update Date:	08/13/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Raw Sewage
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons

VAULT 5337 (Continued) **S104952400**

Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
DEC Remarks: E2MIS Notes 1/27/01: 1/2 pint of unknown oil in sump trap on 80 gallons of water. No smoke or fire. Historical record shows 8ppm. Transformer passed pressure test. 15:25hrs. S. Zalloughi called and stated status of job is the same. Update 1-29-01 0805hrs. LSN 01-00882 <1ppm, no aroclor 1745hrs. Flush Dept. reports cleanup completed and tag removed. Found cemented sump. 1-30-01 0740hrs. Cleanup completed by double washing structure with slix. Liquids were removed by vactor. Noleaking company equipment. Incident closed. 1-31-01 0410 Structure recleaned by Env. Ops. Rain caused a sheen in structure and it was decided by Env. Ops. and Equip. Gp to reclean structure using previous lab results.
Remark: 1/2 pint spilled into a sump pit in the vault...samples taken clean up pending...ref 135260.

118
NNE
1/4-1/2
0.262 mi.
1381 ft.

46 5TH ST/SABOROSO CO
46 5TH ST
LIC, NY

NY Spills **S102142888**
NY Hist Spills **N/A**

Relative:
Lower

Actual:
0 ft.

NY Spills:
Site ID: 262666
Facility Addr2: Not reported
Facility ID: 9201914
Spill Number: 9201914
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: MCTIBBE
Referred To: Not reported
Spill Date: 05/15/92
Reported to Dept: 05/15/92
CID: Not reported
Spill Cause: Unknown
Water Affected: E RIVER
Spill Source: Unknown
Spill Notifier: Other
Cleanup Ceased: 08/07/92
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/07/92
Remediation Phase: 0
Date Entered In Computer: 07/08/92
Spill Record Last Update: 08/20/92
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: Not reported

46 5TH ST/SABOROSO CO (Continued) **S102142888**

Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9201914
DER Facility ID:	214454
Site ID:	262666
Operable Unit ID:	969307
Operable Unit:	01
Material ID:	413200
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
Site ID:	262666
Operable Unit ID:	969307
Operable Unit:	01
Material ID:	413204
Material Code:	0286D
Material Name:	KOH
Case No.:	01310583
Material FA:	Hazardous Material
Quantity:	0.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Start DECRemark - 9201914 Prior to Sept, 2004 data translation this spill Lead DEC Field was "TIBBE" END DECRemark - 9201914
Remarks:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9201914
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/15/1992 13:00
Reported to Dept Date/Time:	05/15/92 18:25
SWIS:	63
Spiller Name:	Not reported
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown

46 5TH ST/SABOROSO CO (Continued) **S102142888**

Reported to Dept:	Surface Water
Water Affected:	E RIVER
Spill Source:	12
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	08/07/92
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/07/92
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/08/92
Date Spill Entered In Computer Data File:	Not reported
Update Date:	08/20/92
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
Material Class Type:	Nonpetroleum/Nonhazardous
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	POTASSIUM HYDROXIDE
Class Type:	POTASSIUM HYDROXIDE
Times Material Entry In File:	47
CAS Number:	01310583
Last Date:	Not reported
Material:	CAUSTIC POTASH
Class Type:	CAUSTIC POTASH
Times Material Entry In File:	0
CAS Number:	01310583
Last Date:	Not reported
Material:	POTASSIUM HYDRATE

46 5TH ST/SABOROSO CO (Continued) **S102142888**

Class Type:	POTASSIUM HYDRATE
Times Material Entry In File:	0
CAS Number:	01310583
Last Date:	Not reported
Material:	KOH
Class Type:	KOH
Times Material Entry In File:	0
CAS Number:	01310583
Last Date:	Not reported
DEC Remarks:	Not reported
Remark:	Not reported

119
ENE
1/4-1/2
0.262 mi.
1385 ft.

64 BOX ST
BROOKLYN, NY

LTANKS **S104877456**
HIST LTANKS **N/A**

Relative:
Lower

Actual:
11 ft.

LTANKS:

Site ID:	319948
Spill Date:	12/18/00
Facility Addr2:	Not reported
Facility ID:	0010491
Program Number:	0010491
SWIS:	2401
Region of Spill:	2
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	12/18/00
CID:	14
Spill Cause:	Tank Overfill
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/13/03
Remediation Phase:	0
Date Entered In Computer:	12/18/00
Spill Record Last Update:	06/13/03
Spille Namer:	MR CHATENARNIE
Spiller Company:	Not reported
Spiller Phone:	(718) 388-3256
Spiller Extention:	Not reported
Spiller Address:	64 BOX ST
Spiller City,St,Zip:	BROOKLYN, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	0010491
DER Facility ID:	257785

(Continued) **S104877456**

Site ID:	319948
Operable Unit ID:	831629
Operable Unit:	01
Material ID:	544389
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	Gallons
Recovered:	10.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	0010491
Investigator:	TIPPLE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	12/18/2000
Spill Time:	16:00
Reported to Department Date:	12/18/00
Reported to Department Time:	16:45
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	Not reported
Spiller Address:	64 BOX ST
Spiller City,St,Zip:	BROOKLYN
Facility Contact:	MR CHATENARNIE
Facility Phone:	(718) 388-3256
Facility Extention:	Not reported
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Affected Persons

(Continued) **S104877456**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Standard: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/18/00
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 12/19/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 10
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 10
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: building owner ordered too much oil spill went to sidewalk clean up is being completeed by oil man on scene now

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V120 **TM #647** **NY Spills** **S104509003**
SE **HURON ST/MANHATTEN AVE** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.265 mi.
1401 ft. **Site 1 of 2 in cluster V**

Relative:
Higher

Actual:
14 ft.

NY Spills:
Site ID: 162350
Facility Addr2: Not reported
Facility ID: 9911818
Spill Number: 9911818
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: COMENALE
Referred To: Not reported
Spill Date: 01/11/00
Reported to Dept: 01/11/00
CID: 281

TM #647 (Continued) **S104509003**

Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/04/02
Remediation Phase: 0
Date Entered In Computer: 01/11/00
Spill Record Last Update: 03/04/02
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: MARK SCHLAGEL
Contact Phone: (212) 580-6763
DEC Region: 2
Program Number: 9911818
DER Facility ID: 136996
Site ID: 162350
Operable Unit ID: 1090510
Operable Unit: 01
Material ID: 297260
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9911818 ABOVE MATERIAL DISCOVERED ON TOP OF 400 GALLONS OF WATER AT ABOVE LOCATION. SAMPLE TAKEN AND CLEAN UP IS PENDING TEST RESULTS. CON ED #129556. NO CALL BACK REQUESTED. END CallerRemark - 9911818

NY Hist Spills:
Region of Spill: 2
Spill Number: 9911818
Investigator: COMENALE
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 01/11/2000 11:45
Reported to Dept Date/Time: 01/11/00 12:50
SWIS: 61

TM #647 (Continued) **S104509003**

Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Contact: MARK SCHLAGEL
Spiller Phone: (212) 580-6763
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 01/11/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 02/18/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: ABOVE MATERIAL DISCOVERED ON TOP OF 400 GALLONS OF WATER AT ABOVE LOCATION. SAMPLE TAKEN AND CLEAN UP IS PENDING TEST RESULTS. CON ED 129556. NO CALL BACK REQUESTED.

V121 **TM 0647** **NY Spills** **S104509563**
SE **HERON STREET/MANHATTAN AV** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.265 mi.
1401 ft. **Site 2 of 2 in cluster V**

Relative:
Higher

Actual:
14 ft.

NY Spills:

Site ID:	198912
Facility Addr2:	Not reported
Facility ID:	9912516
Spill Number:	9912516
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	COMENALE
Referred To:	Not reported
Spill Date:	02/02/00
Reported to Dept:	02/02/00
CID:	389
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/26/02
Remediation Phase:	0
Date Entered In Computer:	02/02/00
Spill Record Last Update:	02/26/02
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9912516
DER Facility ID:	165547
Site ID:	198912
Operable Unit ID:	1091219
Operable Unit:	01
Material ID:	294401
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported

TM 0647 (Continued) **S104509563**

Remarks: Start CallerRemark - 9912516 caller reporting a spill of 1 quart on 400 gal of water contained in a manhole sample taken clean up pending lab results coned#129826 END CallerRemark - 9912516

NY Hist Spills:

Region of Spill:	2
Spill Number:	9912516
Investigator:	COMENALE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/02/2000 09:30
Reported to Dept Date/Time:	02/02/00 10:37
SWIS:	61
Spiller Name:	UNK
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Address:	UNK
Spiller City,St,Zip:	UNK, UN
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/02/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	02/04/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons

TM 0647 (Continued) **S104509563**

Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: caller reporting a spill of 1 quart on 400 gal of water contained in a manhole sample taken clean up pending lab results coned 129826

W122
NE
1/4-1/2
0.267 mi.
1409 ft.

NEW TOWN CREEK
1205 MANHATTAN AVE
BROOKLYN, NY

NY Spills **S104787509**
NY Hist Spills **N/A**

Site 1 of 5 in cluster W

Relative:
Lower

Actual:
11 ft.

NY Spills:
Site ID: 126091
Facility Addr2: Not reported
Facility ID: 0004808
Spill Number: 0004808
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: SMSANGES
Referred To: Not reported
Spill Date: 07/21/00
Reported to Dept: 07/21/00
CID: 14
Spill Cause: Other
Water Affected: NEW TOWN CREEK
Spill Source: Commercial/Industrial
Spill Notifier: Citizen
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/17/03
Remediation Phase: 0
Date Entered In Computer: 07/21/00
Spill Record Last Update: 12/08/06
Spiller Name: Not reported
Spiller Company: SEWAGE TRANTMENT PLANT
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001
Spiller Phone: Not reported
Contact Name: CALLER
Contact Phone: Not reported
DEC Region: 2
Program Number: 0004808
DER Facility ID: 65904
Site ID: 126091
Operable Unit ID: 825876

NEW TOWN CREEK (Continued) **S104787509**

Operable Unit: 01
Material ID: 571878
Material Code: 0062A
Material Name: RAW SEWAGE
Case No.: Not reported
Material FA: Other
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Surface Water
Oxygenate: False
DEC Memo: Start DECRemark - 0004808 Prior to Sept, 2004 data translation this spill Lead DEC Field was "SANGESLAND" END DECRemark - 0004808
Remarks: Start CallerRemark - 0004808 caller states that every couple of days the sewage treatment plant overflows raw sewage into the creek. the creek runs behind his house. caller would like a call back END CallerRemark - 0004808

NY Hist Spills:
Region of Spill: 2
Spill Number: 0004808
Investigator: SANGESLAND
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 07/21/2000 16:00
Reported to Dept Date/Time: 07/21/00 16:01
SWIS: 61
Spiller Name: SEWAGE TRANTMENT PLANT
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Other
Reported to Dept: Surface Water
Water Affected: NEW TOWN CREEK
Spill Source: 01
Spill Notifier: Citizen
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/21/00

NEW TOWN CREEK (Continued) **S104787509**

Date Spill Entered In Computer Data File: Not reported
Update Date: 07/24/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: RAW SEWAGE
Class Type: RAW SEWAGE
Times Material Entry In File: 1993
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: caller states that every couple of days the sewage treatment plant overflows raw sewage into the creek. the creek runs behind his house. caller would like a call back

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W123 **1205 MANHATTAN AVE/BKLYN** **NY Spills** **S102145624**
NE **1205 MANHATTAN AVENUE** **NY Hist Spills** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.267 mi.
1409 ft. **Site 2 of 5 in cluster W**

Relative:
Lower

Actual:
11 ft.

NY Spills:
Site ID: 69305
Facility Addr2: Not reported
Facility ID: 8909903
Spill Number: 8909903
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: WILSON
Referred To: Not reported
Spill Date: 01/16/90
Reported to Dept: 01/16/90
CID: 14
Spill Cause: Housekeeping
Water Affected: NEWTOWN CREEK
Spill Source: Commercial/Industrial
Spill Notifier: Federal Government
Cleanup Ceased: 01/16/90
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Not reported
Spill Closed Dt: 01/16/90
Remediation Phase: 0
Date Entered In Computer: 01/23/90
Spill Record Last Update: 06/24/03

1205 MANHATTAN AVE/BKLYN (Continued) **S102145624**

Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	8909903
DER Facility ID:	65904
Site ID:	69305
Operable Unit ID:	935002
Operable Unit:	01
Material ID:	443044
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 8909903 SUBSTANCE LEAKING FROM DUMPSTERS INTO CREEK. END CallerRemark - 8909903

NY Hist Spills:

Region of Spill:	2
Spill Number:	8909903
Investigator:	WILSON
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	01/16/1990 09:50
Reported to Dept Date/Time:	01/16/90 10:53
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Housekeeping
Reported to Dept:	Surface Water
Water Affected:	NEWTOWN CREEK
Spill Source:	01
Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	01/16/90
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /

1205 MANHATTAN AVE/BKLYN (Continued) **S102145624**

Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	01/16/90
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/23/90
Date Spill Entered In Computer Data File:	Not reported
Update Date:	/ /
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	01/16/90: REFERRED TO ECO S. 10/10/95: This is additional information about material spilled from the translation of the old spill file: SHEEN ON WATER.
Remark:	SUBSTANCE LEAKING FROM DUMPSTERS INTO CREEK.

W124
NE
1/4-1/2
0.267 mi.
1409 ft.

1205 MANHATTAN AVE **NY Spills** **S102143363**
1205 MANHATTAN AVE. **NY Hist Spills** **N/A**
BROOKLYN, NY

Site 3 of 5 in cluster W

Relative:
Lower

Actual:
11 ft.

NY Spills:

Site ID:	229899
Facility Addr2:	Not reported
Facility ID:	9208271
Spill Number:	9208271
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SJMILLER
Referred To:	Not reported
Spill Date:	10/14/92
Reported to Dept:	10/17/92
CID:	14
Spill Cause:	Abandoned Drums
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Citizen
Cleanup Ceased:	10/17/92
Cleanup Meets Std:	True
Last Inspection:	/ /

1205 MANHATTAN AVE (Continued) **S102143363**

Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/17/92
Remediation Phase:	0
Date Entered In Computer:	12/09/92
Spill Record Last Update:	02/24/93
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9208271
DER Facility ID:	65904
Site ID:	229899
Operable Unit ID:	971904
Operable Unit:	01
Material ID:	408863
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9208271 Prior to Sept, 2004 data translation this spill Lead DEC Field was "MILLER" END DECRemark - 9208271
Remarks:	Start CallerRemark - 9208271 DRUMS LEFT OFF OF TRUCK END CallerRemark - 9208271

Site ID:	126094
Facility Addr2:	Not reported
Facility ID:	9606677
Spill Number:	9606677
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	O'DOWD
Referred To:	Not reported
Spill Date:	08/25/96
Reported to Dept:	08/25/96
CID:	14
Spill Cause:	Unknown
Water Affected:	NEWTOWN CREEN CANAL
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False

1205 MANHATTAN AVE (Continued) **S102143363**

Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/25/96
Remediation Phase:	0
Date Entered In Computer:	08/25/96
Spill Record Last Update:	09/20/96
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	P.O. GARZON - COAST GUARD
Contact Phone:	(212) 668-7920
DEC Region:	2
Program Number:	9606677
DER Facility ID:	65904
Site ID:	126094
Operable Unit ID:	1037801
Operable Unit:	01
Material ID:	345945
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9606677 DEP RECIEVED A CALL FROM A CITIZEN WHO SPOTTED AN OIL SLICK TRAVELING DOWN THE CANAL - DEP DID CONTACT THE US COAST GUARD TO CHECK OUT THE SPILL - COAST GUARD STILL INVESTIGATING AT THIS TIME - THE COAST GUARD CALLED AT10:40AM REQUESTING A RESPONSE FROM DEC END CallerRemark - 9606677

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9208271
Investigator:	MILLER
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/14/1992 12:00
Reported to Dept Date/Time:	10/17/92 09:58
SWIS:	61
Spiller Name:	Not reported
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported

1205 MANHATTAN AVE (Continued) **S102143363**

Spill Cause: Abandoned Drums
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 07
Spill Notifier: Citizen
PBS Number: Not reported
Cleanup Ceased: 10/17/92
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/17/92
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 12/09/92
Date Spill Entered In Computer Data File: Not reported
Update Date: 02/24/93
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: DRUMS LEFT OFF OF TRUCK

Region of Spill: 2
Spill Number: 9606677
Investigator: O'DOWD
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 08/25/1996 09:45
Reported to Dept Date/Time: 08/25/96 10:24
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported

1205 MANHATTAN AVE (Continued) **S102143363**

Spiller Phone:	Not reported
Spiller Contact:	P.O. GARZON - COAST GUARD
Spiller Phone:	(212) 668-7920
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Surface Water
Water Affected:	NEWTOWN CREEN CANAL
Spill Source:	12
Spill Notifier:	Local Agency
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/25/96
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	08/25/96
Date Spill Entered In Computer Data File:	Not reported
Update Date:	09/20/96
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	SPOKE TO USCG - USCG WENT OUT AND THEY ONLY SAW PRODUCT - CONTAINED WITHIN THE BOOMS - PART OF REMEDIATION PROJECT - CLEAN OUT
Remark:	DEP RECIEVED A CALL FROM A CITIZEN WHO SPOTTED AN OIL SLICK TRAVELING DOWN THE CANAL - DEP DID CONTACT THE US COAST GUARD TO CHECK OUT THE SPILL - COAST GUARD STILL INVESTIGATING AT THIS TIME - THE COAST GUARD CALLED AT 10:40AM REQUESTING A RESPONSEFROM DEC

W125 NE 1/4-1/2 0.267 mi. 1409 ft.

1205 MANHATTAN AVE
1205 MANHATTAN AVE
BKLYN, NY

Site 4 of 5 in cluster W

NY Spills **S102141348**
NY Hist Spills **N/A**

Relative: Lower

Actual: 11 ft.

NY Spills:

Site ID:	126092
Facility Addr2:	Not reported
Facility ID:	0130038
Spill Number:	0130038
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	MXTIPPLE
Referred To:	Not reported
Spill Date:	11/30/01
Reported to Dept:	11/30/01
CID:	14
Spill Cause:	Human Error
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/30/01
Remediation Phase:	0
Date Entered In Computer:	12/05/01
Spill Record Last Update:	12/06/01
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0130038
DER Facility ID:	65904
Site ID:	126092
Operable Unit ID:	851675
Operable Unit:	01
Material ID:	526726
Material Code:	0054A
Material Name:	NATURAL GAS
Case No.:	Not reported
Material FA:	Other
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Air
Oxygenate:	False
DEC Memo:	Start DECRemark - 0130038 Prior to Sept, 2004 data translation this spill Lead

1205 MANHATTAN AVE (Continued) **S102141348**

DEC Field was "TIPPLE/VOUGHT" END DECRemark - 0130038

Remarks: Start CallerRemark - 0130038 Vapors from paint thinner were ignited by gas heater pilot light, causing an explosion and injured several people. No chemicals spilled. END CallerRemark - 0130038

Site ID:	126093
Facility Addr2:	Not reported
Facility ID:	9107152
Spill Number:	9107152
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	KSTANG
Referred To:	Not reported
Spill Date:	10/03/91
Reported to Dept:	10/03/91
CID:	14
Spill Cause:	Abandoned Drums
Water Affected:	CANAL OF EAST RIVER
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	12/09/93
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/09/93
Remediation Phase:	0
Date Entered In Computer:	10/07/91
Spill Record Last Update:	11/10/03
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9107152
DER Facility ID:	65904
Site ID:	126093
Operable Unit ID:	961388
Operable Unit:	01
Material ID:	419378
Material Code:	0058A
Material Name:	SLUDGE
Case No.:	Not reported
Material FA:	Other
Quantity:	-1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False

DEC Memo: Start DECRemark - 9107152 Prior to Sept, 2004 data translation this spill Lead

1205 MANHATTAN AVE (Continued) **S102141348**

DEC Field was "TANG" / / : REFERRED TO NYCDEP. 12/09/93: MS. KAYE ZIAS FORM NYC EDC CONFIRMED DRUMS AND LEAKING TRUCK REMOVED FROM SITE AS OF THE EARLY SUMMER OF 1993. END DECRemark - 9107152

Remarks: Start CallerRemark - 9107152 DRUMS ON SIDEWALK NEAR GUTTER. ABABDONED TRUCK IN AREA ALSO LEAKING. END CallerRemark - 9107152

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	0130038
Investigator:	TIPPLE/VOUGHT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/30/2001 11:48
Reported to Dept Date/Time:	11/30/01 15:38
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Address:	Not reported
Spiller City,St,Zip:	-
Spill Cause:	Human Error
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	09
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/30/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	12/05/01
Date Spill Entered In Computer Data File:	15:52
Update Date:	12/06/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported

1205 MANHATTAN AVE (Continued) **S102141348**

Gross Leak Rate: Not reported
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: NATURAL GAS
Class Type: NATURAL GAS
Times Material Entry In File: 73
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: Vapors from paint thinner were ignited by gas heater pilot light, causing an explosion and injured several people. No chemicals spilled.

Region of Spill: 2
Spill Number: 9107152
Investigator: TANG
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 10/03/1991 20:43
Reported to Dept Date/Time: 10/03/91 13:00
SWIS: 61
Spiller Name: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Abandoned Drums
Reported to Dept: Surface Water
Water Affected: CANAL OF EAST RIVER
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: 12/09/93
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/09/93
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/07/91
Date Spill Entered In Computer Data File: Not reported
Update Date: 12/09/93
Is Updated: False
PBS Number: Not reported

1205 MANHATTAN AVE (Continued) **S102141348**

Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Hazardous Material
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	SLUDGE
Class Type:	SLUDGE
Times Material Entry In File:	81
CAS Number:	Not reported
Last Date:	19940802
DEC Remarks:	/ / : REFERRED TO NYCDEP. 12/09/93: MS. KAYE ZIAS FORM NYC EDC CONFIRMED DRUMS AND LEAKING TRUCK REMOVED FROM SITE AS OF THE EARLY SUMMER OF 1993.
Remark:	DRUMS ON SIDEWALK NEAR GUTTER. ABABDONED TRUCK IN AREA ALSO LEAKING.

W126 **1155-1205 MANHATTAN AVE** **NY Spills** **S102146657**
NE **1155-1205 MANAHATTAN AVE** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.272 mi.
1438 ft. **Site 5 of 5 in cluster W**

Relative:
Lower

Actual:
10 ft.

NY Spills:

Site ID:	200148
Facility Addr2:	Not reported
Facility ID:	9303748
Spill Number:	9303748
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	06/23/93
Reported to Dept:	06/23/93
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/19/98
Remediation Phase:	0
Date Entered In Computer:	06/23/93
Spill Record Last Update:	11/19/98
Spiller Name:	Not reported
Spiller Company:	NYC ECO CORP.
Spiller Address:	110 WILLIAM ST
Spiller City,St,Zip:	NY, NY 10038

1155-1205 MANHATTAN AVE (Continued) **S102146657**

Spiller Company:	001
Spiller Phone:	(212) 312-3752
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9303748
DER Facility ID:	166548
Site ID:	200148
Operable Unit ID:	985474
Operable Unit:	01
Material ID:	397295
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9303748 DISCOVERED CONTAMINATED SOIL IN TANK PULL - TO TEST SOIL AND STOCKPILES - WOULD LIKE CALL BACK. END CallerRemark - 9303748

Site ID:	210590
Facility Addr2:	Not reported
Facility ID:	9302726
Spill Number:	9302726
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	05/29/93
Reported to Dept:	05/29/93
CID:	14
Spill Cause:	Unknown
Water Affected:	EAST RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	05/29/93
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/29/93
Remediation Phase:	0
Date Entered In Computer:	06/04/93
Spill Record Last Update:	11/19/98
Spiller Name:	Not reported
Spiller Company:	OHM OF OHIO
Spiller Address:	TRC CONSULTING
Spiller City,St,Zip:	ZZ
Spiller Company:	001

1155-1205 MANHATTAN AVE (Continued) **S102146657**

Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9302726
DER Facility ID:	166548
Site ID:	210590
Operable Unit ID:	981040
Operable Unit:	01
Material ID:	399840
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9302726 COMPAY ON SITE PUMPING SLUDGE INTO DRUMS, AFRAID OF WIND KNOTS DRUMS OVER AND SPILL. CALLED, CARD PHONE # TURN OUT TO BE A FUNERAL HOME - NO ACTION TAKEN. END CallerRemark - 9302726

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9303748
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/23/1993 09:00
Reported to Dept Date/Time:	06/23/93 09:45
SWIS:	61
Spiller Name:	NYC ECO CORP.
Spiller Contact:	Not reported
Spiller Phone:	(212) 312-3752
Spiller Address:	110 WILLIAM ST
Spiller City,St,Zip:	NY, NY 10038
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /

1155-1205 MANHATTAN AVE (Continued) **S102146657**

Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/19/98
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/23/93
Date Spill Entered In Computer Data File: Not reported
Update Date: 11/19/98
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: MIXED FUELS. DEC Sigona) transferred from Koon Tang on 11/18/98 DEC Sigona) sent leeter dated Nov. 19, 1998 to new owner of propertyGreenpoint Manufacturing Design Center Att: David Sweney to close the spill based upon review of groundwater monitoring data from EEA, Inc. around tank closed in place. see spill no. 9302726)
Remark: DISCOVERED CONTAMINATED SOIL IN TANK PULL - TO TEST SOIL AND STOCKPILES - WOULD LIKE CALL BACK.

Region of Spill: 2
Spill Number: 9302726
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 05/29/1993 14:09
Reported to Dept Date/Time: 05/29/93 14:41
SWIS: 61
Spiller Name: OHM OF OHIO
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: TRC CONSULTING
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: Surface Water
Water Affected: EAST RIVER

1155-1205 MANHATTAN AVE (Continued) **S102146657**

Spill Source: 01
Spill Notifier: Citizen
PBS Number: Not reported
Cleanup Ceased: 05/29/93
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/29/93
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/04/93
Date Spill Entered In Computer Data File: Not reported
Update Date: 11/19/98
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: see spill no. 9303748 Koon Tang investigated complaint reassigned to DEC Sigona when Mr. Tang transferred to Albany).
Remark: COMPAY ON SITE PUMPING SLUDGE INTO DRUMS, AFRAID OF WIND KNOTS DRUMS OVER AND SPILL. CALLED, CARD PHONE TURN OUT TO BE A FUNERAL HOME - NO ACTION TAKEN.

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127 SE 1/4-1/2 0.274 mi. 1445 ft. **UNKNOWN CUSTOMER 115 1/2 INDIA STREET BROOKLYN, NY** **NY Spills** **S106699600 N/A**

Relative: Higher

Actual: 18 ft.

NY Spills:
Site ID: 253650
Facility Addr2: Not reported
Facility ID: 0407044
Spill Number: 0407044
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: rmpiper

UNKNOWN CUSTOMER (Continued) **S106699600**

Referred To:	Not reported
Spill Date:	09/24/04
Reported to Dept:	09/24/04
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/28/05
Remediation Phase:	0
Date Entered In Computer:	09/24/04
Spill Record Last Update:	11/28/05
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	(917) 940-8510
DEC Region:	2
Program Number:	0407044
DER Facility ID:	207771
Site ID:	253650
Operable Unit ID:	890331
Operable Unit:	01
Material ID:	484886
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0407044 Prior to Sept, 2004 data translation this spill Lead DEC Field was "SAWYER" 11/18/05- DEC Piper sent info request letter to listed owners, Rudy Callegari and W. Slevin. Left message w/ current tenant (Steve Lynch) and Vijax (A. Losquadros). 11/21/05- DEC piper received call from Anthony LosQuadro of Vijax. AS per vijax, No further info on site. 11/28/05- DEC Piper spoke w/ owner of property. As per conversation Lori Callegari, there was a slight (1 cup) overfill on concrete floor in basement. FDNY cleanned up w/ minimal absorbant. Vijax replaced overfill whistle. " I am happy w/ the cleanup and Vijax." Nor further action needed. END DECRemark - 0407044

Remarks: Start CallerRemark - 0407044 Caller reports a possible spill in the basement of an unknown name customer. Customer smells oil in the basement. Callers company will look into this tomorrow. An employee was sent tonight but could not get

UNKNOWN CUSTOMER (Continued) **S106699600**

in. END CallerRemark - 0407044

128
NE
1/4-1/2
0.281 mi.
1484 ft.

ECONOMY CONTAINER SERVICE
23 ASH ST
BROOKLYN, NY 11222

SWF/LF **S105841720**
N/A

Relative:
Lower

Actual:
10 ft.

SWF/LF:

Flag:	INACTIVE
Secondary Addr:	Not reported
Region Code:	2
Phone Number:	0
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	JULIAN FILLIAPONO; MANAGER
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - regulated
Activity Number:	24T14
Active:	No
East Coordinate:	588200
North Coordinate:	4510200
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	2-6101-00085
Authorization Date:	Not reported
Expiration Date:	Not reported

X129
SSE
1/4-1/2
0.298 mi.
1573 ft.

SB 8622
111 JAVA ST
BROOKLYN, NY

Site 1 of 2 in cluster X

NY Spills **S103937571**
NY Hist Spills **N/A**

Relative:
Higher

Actual:
23 ft.

NY Spills:

Site ID:	97557
Facility Addr2:	Not reported
Facility ID:	9902079
Spill Number:	9902079
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	05/24/99
Reported to Dept:	05/24/99

SB 8622 (Continued) **S103937571**

CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/18/99
Remediation Phase:	0
Date Entered In Computer:	05/24/99
Spill Record Last Update:	06/13/00
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	JOE DEVOTI
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	9902079
DER Facility ID:	86874
Site ID:	97557
Operable Unit ID:	1076851
Operable Unit:	01
Material ID:	305596
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9902079 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" con ed e2mis notes: Found 2 pints of unknown oil on 25 gallons of water in sb 8622, took sample. pcb<=1ppm AROCLOR 1242 1PPM AROCLOR 1254 1PPM AROCLOR 1260 1PPM <1.00PPM CLEAN UP COMPLETE AND TAG REMOVED. INCIDENT IS CLOSED. END DECRemark - 9902079
Remarks:	Start CallerRemark - 9902079 2 pt spill on 25 gal of water in service box. contained. sample taken and clean up pending lab results. con ed 125-069 END CallerRemark - 9902079

NY Hist Spills:

Region of Spill:	2
Spill Number:	9902079
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported

SB 8622 (Continued) **S103937571**

Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/24/1999 10:00
Reported to Dept Date/Time:	05/24/99 11:02
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	JOE DEVOTI
Spiller Phone:	(212) 580-6763
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/18/99
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	05/24/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/13/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	con ed e2mis notes: Found 2 pints of unknown oil on 25 gallons of water in sb 8622, took sample. pcb<=1ppm AROCLOR 1242 1PPM AROCLOR 1254 1PPM AROCLOR 1260 1PPM <1.00PPM CLEAN UP COMPLETE AND TAG REMOVED. INCIDENT IS CLOSED.
Remark:	2 pt spill on 25 gal of water in service box. contained. sample taken and clean

SB 8622 (Continued) **S103937571**

up pending lab results. con ed 125-069

X130 **118 JAVA STREET** **NY Spills** **S106719610**
SSE **118 JAVE STREET** **NY Hist Spills** **N/A**
1/4-1/2 **GREENPOINT AVE-BROOKLYN, NY**
0.300 mi.
1586 ft. **Site 2 of 2 in cluster X**

Relative:
Higher

Actual:
23 ft.

NY Spills:

Site ID:	73415
Facility Addr2:	Not reported
Facility ID:	9303996
Spill Number:	9303996
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	CAMMISA
Referred To:	Not reported
Spill Date:	06/29/93
Reported to Dept:	06/29/93
CID:	Not reported
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	06/29/93
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/29/93
Remediation Phase:	0
Date Entered In Computer:	07/01/93
Spill Record Last Update:	11/13/03
Spiller Name:	Not reported
Spiller Company:	GREENPOINT INCINERATOR
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9303996
DER Facility ID:	69104
Site ID:	73415
Operable Unit ID:	982288
Operable Unit:	01
Material ID:	397531
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Pounds

118 JAVA STREET (Continued) **S106719610**

Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9303996 PRODUCES ASH ON TOP OF CAR - EYES TEAR - NOSE IRRITANT (DIXON) DOWN WIND TODAY REFERRED TO NYC DEP AIR UNIT. END CallerRemark - 9303996

NY Hist Spills:
Region of Spill: 2
Spill Number: 9303996
Investigator: CAMMISA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 06/29/1993 06:45
Reported to Dept Date/Time: 06/29/93 10:23
SWIS: 61
Spiller Name: GREENPOINT INCINERATOR
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Other
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: 06/29/93
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/29/93
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/01/93
Date Spill Entered In Computer Data File: Not reported
Update Date: 07/20/93
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum

118 JAVA STREET (Continued) **S106719610**

Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	PRODUCES ASH ON TOP OF CAR - EYES TEAR - NOSE IRRITANT DIXON) DOWN WIND TODAY REFERRED TO NYC DEP AIR UNIT.

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131 SSE 1/4-1/2 0.313 mi. 1651 ft.

BEHIND LOCATION
129 JAVA ST
BROOKLYN, NY

NY Spills **S107788577**
N/A

Relative: Higher

Actual: 26 ft.

NY Spills:

Site ID:	364671
Facility Addr2:	Not reported
Facility ID:	0602242
Spill Number:	0602242
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	HRPATEL
Referred To:	Not reported
Spill Date:	05/27/06
Reported to Dept:	05/30/06
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/31/06
Remediation Phase:	0
Date Entered In Computer:	05/30/06
Spill Record Last Update:	05/31/06
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	MARUS RESIDENCE
Contact Phone:	(347) 386-0383
DEC Region:	2
Program Number:	0602242

BEHIND LOCATION (Continued) **S107788577**

DER Facility ID:	314870
Site ID:	364671
Operable Unit ID:	1122691
Operable Unit:	01
Material ID:	2112169
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0602242 05/30/06-Hiralkumar Patel. Spoke at Marus residence. don't know what material but container is leaking in front of house. visited site. found 5 gal container leaked little oil (about 1/2 gal) on solid concrete. odor in spill area. owner had put leaking container into garbage can and was cleaning area. no further action required. case closed. END DECRemark - 0602242
Remarks:	Start CallerRemark - 0602242 CLEAN UP IS UNKNOWN. END CallerRemark - 0602242

Y132 **CONCRETE RECYCLING (NEWSPOINT)** **SWF/LF** **S105841771**
North **55-02 2ND STREET** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101**
0.314 mi.
1659 ft. **Site 1 of 3 in cluster Y**

Relative:
Lower

Actual:
2 ft.

SWF/LF:

Flag:	INACTIVE
Secondary Addr:	Not reported
Region Code:	2
Phone Number:	7180000000
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	CHARLES E.TASSLER
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - regulated
Activity Number:	41T71
Active:	No
East Coordinate:	587852
North Coordinate:	4510399
Accuracy Code:	Not reported
Regulatory Status:	Permit
Waste Type:	Not reported
Authorization #:	None
Authorization Date:	Not reported
Expiration Date:	Not reported

Y133 **ANHEUSER-BUSH** **NY Spills** **S103937037**
North **5501 2ND ST** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.316 mi.
1671 ft. **Site 2 of 3 in cluster Y**

Relative:
Lower

Actual:
2 ft.

NY Spills:

Site ID:	288311
Facility Addr2:	Not reported
Facility ID:	9901476
Spill Number:	9901476
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	MCTIBBE
Referred To:	Not reported
Spill Date:	05/05/99
Reported to Dept:	05/07/99
CID:	312
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/07/99
Remediation Phase:	0
Date Entered In Computer:	05/07/99
Spill Record Last Update:	10/16/03
Spiller Name:	Not reported
Spiller Company:	ANHEUSER-BUSH
Spiller Address:	5501 2ND ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9901476
DER Facility ID:	233541
Site ID:	288311
Operable Unit ID:	1076248
Operable Unit:	01
Material ID:	305018
Material Code:	0010A
Material Name:	HYDRAULIC OIL
Case No.:	Not reported
Material FA:	Other
Quantity:	20.00
Units:	Gallons
Recovered:	20.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9901476 Prior to Sept, 2004 data translation this spill Lead

ANHEUSER-BUSH (Continued) **S103937037**

DEC Field was "TIBBE" 14:30 caller called over and asked what they should do.
CLEANED BY RP END DECRemark - 9901476
Remarks: Start CallerRemark - 9901476 CARDBOARD BAILER BROKE A HOSE - SPILLED ONTO CONCRETE - CLEANED UP END CallerRemark - 9901476

NY Hist Spills:

Region of Spill:	2
Spill Number:	9901476
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/05/1999
Reported to Dept Date/Time:	05/07/99 14:26
SWIS:	63
Spiller Name:	ANHEUSER-BUSH
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	5501 2ND ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY 11101-
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/07/99
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	05/07/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	03/13/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	20
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	20

ANHEUSER-BUSH (Continued) **S103937037**

Unkonwn Quantity Recovered: False
Material: HYDRAULIC OIL
Class Type: HYDRAULIC OIL
Times Material Entry In File: 1846
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 14:30 caller called over and asked what they should do. CLEANED BY RP
Remark: CARDBOARD BAILER BROKE A HOSE - SPILLED ONTO CONCRETE - CLEANED UP

Y134 **QUEENS WEST** **NY Spills** **S108636035**
North **55-02 2ND STREET** **N/A**
1/4-1/2 **QUEENS, NY**
0.316 mi.
1671 ft. **Site 3 of 3 in cluster Y**

Relative:
Lower

Actual:
2 ft.

NY Spills:
Site ID: 379742
Facility Addr2: Not reported
Facility ID: 0700400
Spill Number: 0700400
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: bkfalvey
Referred To: Not reported
Spill Date: 04/06/07
Reported to Dept: 04/12/07
CID: 444
Spill Cause: Other
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: DEC
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Remediation Phase: 1
Date Entered In Computer: 04/12/07
Spill Record Last Update: 01/07/08
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: ZZ -
Spiller Company: 001
Spiller Phone: Not reported
Contact Name: BRIAN FALDEY
Contact Phone: (718) 482-7129
DEC Region: 2
Program Number: 0700400
DER Facility ID: 329236
Site ID: 379742
Operable Unit ID: 1137226
Operable Unit: 01
Material ID: 2127182

QUEENS WEST (Continued) **S108636035**

Material Code: 0022
Material Name: Waste Oil/Used Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 10.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 0700400 4/12/07 This site was inspected on 4/6/07. Photos available. Nobody on-site. No PBS registration. Believed to be five 275 gallon ASTs on-site. Four believed to contain motor fuel and one containing used oil. Used oil tank had approximately 5 inches of product in the secondary containment area. Trail of product leads from secondary containment dike to the East River. Movie available of this. Two areas, approx. 9 sq. feet each, of petroleum staining on unpaved ground. Both spills were unreported. I reported them today. None of the tanks are labeled. The motor fuels tanks do not have secondary containment. No monthly inspections or reports available. Fill ports are not labeled. DSHM inspected the siteat an earlier date. I was contacted by DOW this morning and they plan on an inspection as well. NOV was prepared for mailing. Waiting for owner and /or operator contact. bf 1/8/08 Received message from Jill Haimson of Preferred Environmentalrequesting a site meeting. office:(516)546-1100 ext.32 cell:(516)647-4211 I called her this morning and site meeting will be held 1/9/08. bf END DECRemark - 0700400
Remarks: Start CallerRemark - 0700400 UNKNOWN AMOUNT OF STAINING ON GROUND ALSO; ASSIGNED TO CALLER: END CallerRemark - 0700400

Z135 **MCGUINESS BLVD/CLAY ST** **NY Spills** **S102239538**
ENE **MCGUINESS BLVD/CLAY ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.324 mi.
1708 ft. **Site 1 of 4 in cluster Z**

Relative:
Lower

Actual:
8 ft.

NY Spills:
Site ID: 136022
Facility Addr2: Not reported
Facility ID: 9516606
Spill Number: 9516606
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: MCTIBBE
Referred To: Not reported
Spill Date: 03/24/96
Reported to Dept: 03/25/96
CID: 312
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Citizen
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/22/96

MCGUINESS BLVD/CLAY ST (Continued) **S102239538**

Remediation Phase: 0
Date Entered In Computer: 03/25/96
Spill Record Last Update: 03/23/04
Spiller Name: UNKNOWN
Spiller Company: UNKNOWN
Spiller Address: UNKNOWN
Spiller City,St,Zip: UNKNOWN, ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 9516606
DER Facility ID: 116743
Site ID: 136022
Operable Unit ID: 1027566
Operable Unit: 01
Material ID: 353118
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9516606 Prior to Sept, 2004 data translation this spill Lead DEC Field was "TIBBE" MULQUEEN INVESTIGATED. SOIL PILE DUE TO UTILITY WORK ALONG CLAY STREET (CON ED) AND WAS REMOVED BY CON ED. UNFOUNDED. END DECRemark - 9516606
Remarks: Start CallerRemark - 9516606 large dirt pile contaminated poss with oil - by pulasski bridge END CallerRemark - 9516606

NY Hist Spills:
Region of Spill: 2
Spill Number: 9516606
Investigator: TIBBE
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 03/24/1996 18:00
Reported to Dept Date/Time: 03/25/96 15:47
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: UNKNOWN
Spiller Phone: Not reported
Spiller Address: UNKNOWN
Spiller City,St,Zip: UNKNOWN
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Citizen

MCGUINESS BLVD/CLAY ST (Continued) **S102239538**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/22/96
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 03/25/96
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/26/98
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: MULQUEEN INVESTIGATED. SOIL PILE DUE TO UTILITY WORK ALONG CLAY STREET CON ED) AND WAS REMOVED BY CON ED. UNFOUNDED.
Remark: large dirt pile contaminated poss with oil - by pulasski bridge

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136
SSW
1/4-1/2
0.327 mi.
1727 ft.

COMMERCIAL PROPERTY
10 JAVA ST
BROOKLYN, NY

NY Spills **S107787586**
N/A

Relative:
Lower

Actual:
7 ft.

NY Spills:
Site ID: 362972
Facility Addr2: Not reported
Facility ID: 0600866
Spill Number: 0600866
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: HRPATEL
Referred To: Not reported
Spill Date: 04/22/06
Reported to Dept: 04/22/06
CID: 14

COMMERCIAL PROPERTY (Continued) **S107787586**

Spill Cause:	Unknown
Water Affected:	HUDSON RIVER
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/24/06
Remediation Phase:	0
Date Entered In Computer:	04/23/06
Spill Record Last Update:	04/24/06
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0600866
DER Facility ID:	313177
Site ID:	362972
Operable Unit ID:	1121041
Operable Unit:	01
Material ID:	2110526
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Start DECRemark - 0600866 04/24/06-Hiralkumar Patel. REceived spill during off hours duty. as spill was affecting river, reported to US coast guard. case closed. END DECRemark - 0600866
Remarks:	Start CallerRemark - 0600866 DEP WILL NOT RESPOND END CallerRemark - 0600866

AA137 **MANHOLE 4297** **NY Spills** **S104284571**
ENE **BOX ST / PAIDGE AVE** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.329 mi.
1739 ft. **Site 1 of 5 in cluster AA**

Relative:
Lower

Actual:
8 ft.

NY Spills:

Site ID:	233365
Facility Addr2:	Not reported
Facility ID:	9910653
Spill Number:	9910653
Facility Type:	ER
SWIS:	2401
Region of Spill:	2

MANHOLE 4297 (Continued) **S104284571**

Investigator:	CAENGELH
Referred To:	Not reported
Spill Date:	12/07/99
Reported to Dept:	12/07/99
CID:	322
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/27/02
Remediation Phase:	0
Date Entered In Computer:	12/07/99
Spill Record Last Update:	03/27/02
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9910653
DER Facility ID:	192293
Site ID:	233365
Operable Unit ID:	1089359
Operable Unit:	01
Material ID:	296129
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9910653 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ENGELHARDT" END DECRemark - 9910653
Remarks:	Start CallerRemark - 9910653 2 pts unk oil on 50 gal of water in manhole - samples have been taken - subj smells like cleaning fluids - samples have been taken for id - clean up pending results con ed #129214 END CallerRemark - 9910653

NY Hist Spills:

Region of Spill:	2
Spill Number:	9910653
Investigator:	ENGELHARDT
Caller Name:	Not reported
Caller Agency:	Not reported

MANHOLE 4297 (Continued) **S104284571**

Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	12/07/1999 12:15
Reported to Dept Date/Time:	12/07/99 13:37
SWIS:	61
Spiller Name:	UNK
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Address:	UNK
Spiller City,St,Zip:	NY
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	12/07/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	02/17/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	2 pts unk oil on 50 gal of water in manhole - samples have been taken - subj smells like cleaning fluids - samples have been taken for id - clean up pending results con ed 129214

Z138 ENE 1/4-1/2 0.330 mi. 1741 ft.

OVERSEAS ASSOC
400 MCGUINESS BLVD
BROOKLYN NY, NY

Site 2 of 4 in cluster Z

NY Spills **S102663576**
NY Hist Spills **N/A**

Relative: Lower

Actual: 7 ft.

NY Spills:

Site ID:	313699
Facility Addr2:	Not reported
Facility ID:	9706680
Spill Number:	9706680
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	LUCE
Referred To:	Not reported
Spill Date:	09/03/97
Reported to Dept:	09/04/97
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/04/97
Remediation Phase:	0
Date Entered In Computer:	09/04/97
Spill Record Last Update:	09/05/97
Spiller Name:	PAUL LEIB
Spiller Company:	OVERSEAS ASSOC
Spiller Address:	400 MCGUINESS BLVD
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(718) 383-5314
Contact Name:	PAUL LEIB
Contact Phone:	(718) 383-5314
DEC Region:	2
Program Number:	9706680
DER Facility ID:	252938
Site ID:	313699
Operable Unit ID:	1050043
Operable Unit:	01
Material ID:	332263
Material Code:	0002
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	5.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported

OVERSEAS ASSOC (Continued) **S102663576**

Remarks: Start CallerRemark - 9706680 FUEL PUMP LINE BROKE-ALL MATERIALS CONTAINED ON CONCRETE AND HAS BEEN CLEANED UP END CallerRemark - 9706680

NY Hist Spills:

Region of Spill:	2
Spill Number:	9706680
Investigator:	LUCE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	09/03/1997 12:00
Reported to Dept Date/Time:	09/04/97 12:50
SWIS:	61
Spiller Name:	OVERSEAS ASSOC
Spiller Contact:	PAUL LEIB
Spiller Phone:	(718) 383-5314
Spiller Contact:	PAUL LEIB
Spiller Phone:	(718) 383-5314
Spiller Address:	400 MCGUINESS BLVD
Spiller City,St,Zip:	BROOKLYN NY
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/04/97
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	09/04/97
Date Spill Entered In Computer Data File:	Not reported
Update Date:	09/05/97
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	5
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	5

OVERSEAS ASSOC (Continued) **S102663576**

Unkonwn Quantity Recovered: False
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: Not reported
Remark: FUEL PUMP LINE BROKE-ALL MATERIALS CONTAINED ON CONCRETE AND HAS BEEN CLEANED UP

Z139 **NY Spills** **S104648324**
ENE **CLAY ST / MCGUINNES BL** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.331 mi.
1748 ft. **Site 3 of 4 in cluster Z**

Relative:
Lower

Actual:
7 ft.

NY Spills:
Site ID: 293532
Facility Addr2: Not reported
Facility ID: 9811641
Spill Number: 9811641
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: JHOCONNE
Referred To: Not reported
Spill Date: 12/16/98
Reported to Dept: 12/16/98
CID: 266
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 02/19/03
Remediation Phase: 0
Date Entered In Computer: 12/16/98
Spill Record Last Update: 03/23/04
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 9811641
DER Facility ID: 237584
Site ID: 293532
Operable Unit ID: 1072488
Operable Unit: 01

(Continued) **S104648324**

Material ID: 311927
Material Code: 0064A
Material Name: UNKNOWN MATERIAL
Case No.: Not reported
Material FA: Other
Quantity: 1.00
Units: Gallons
Recovered: 1.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9811641 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" E2MIS NOTES 121984 P.CONTI# UG SPLICER ATTEMPTING TO DO A SECONDARY REVAMP IN SB7052 FOUND APPROX 5 GALLONS OF WATER WITH APPROX 1 GALLON OFAN UNKNOWN FLUID[WHITE IN COLOR] MIXED IN, CONTAINED TO STRUCTURE NO SEWERS OR WATERWAYS AFFECTED. WILL TAKE 2 SAMPLES [OIL ID & FLASH POINT] WITH A 4-6 HOUR TURN AROUND, STOP TAG #18944 PLACED. CLEANUP PENDING TEST RESULTS. #12255 VDC. UPDATE@1154HRS D.SHAH ERT REQUESTS THAT HE BE NOTIFIED OF FLASH POINT RESULTS. #12255 ----------UPDATE--12/17/98--1220HRS MR CONTI REPORTS TOOK 2ND SAMPLE ,AND WILL BRING IT TO CHEM LAB----G UPDATE 21046 HRS MARTA OF CHEM LAB REPORTS 1 ST SAMPLE WASSENT BACK ON 12/16 DUE TO BAD PAPER WORK & SAMPLE NOT CHILLED. REFERED HER TO R.DONAVAN FOR MORE INFORMATION. #12255 VDC. LAB RESULT RECEIVED 12/17/98 - 1735. 98-14055. <1.0 PPM. TJ - UPDATE: 12/17/98-13:05HRS-LAB RESULTS RETURNED-SEQ# 98-14056-001 FLASHPOINT RESULTS >161 UPDATE: 12/18/98 - 0630 DAN SHAH OF ERT WAS NOTIFIED OF FLASHPOINT RESULTS VIA E-MAIL. UPDATE: 12/18/98 - 1300 J. RUSSO - 58886 - ENV. OPS., REPORTS <1.0 PPM CLEANUP COMPLETE WITH SLIX AND TAG #18944 REMOVED. INCIDENT IS CLOSED. END DECRemark - 9811641
Remarks: Start CallerRemark - 9811641 UNKNOWN, WHITE LIQUID IN SERVICE BOX 7052. THERE IS A GASOLINE SMELL IN SERVICE BOX. SAMPLES TAKEN. CLEAN UP PENDING TESTS RESULTS. CON EDISON REFERENCE NUMBER 121984. END CallerRemark - 9811641

NY Hist Spills:
Region of Spill: 2
Spill Number: 9811641
Investigator: O'CONNELL
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 12/16/1998 09:50
Reported to Dept Date/Time: 12/16/98 10:49
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: ( ) -
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False

(Continued) **S104648324**

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 12/16/98
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/11/99
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Raw Sewage
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 1
Unkonwn Quantity Recovered: False
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
DEC Remarks: Not reported
Remark: UNKNOWN, WHITE LIQUID IN SERVICE BOX 7052. THERE IS A GASOLINE SMELL IN SERVICE BOX. SAMPLES TAKEN. CLEAN UP PENDING TESTS RESULTS. CON EDISON REFERENCE NUMBER 121984.

AA140 **MANHOLE 34297** **NY Spills** **S106721232**
ENE **MCGINNIS BLVD/PAIDGE AVE** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.336 mi.
1772 ft. **Site 2 of 5 in cluster AA**

Relative:
Lower

Actual:
7 ft.

NY Spills:
Site ID: 332437
Facility Addr2: Not reported
Facility ID: 0407860
Spill Number: 0407860
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: JHOCONNE
Referred To: Not reported
Spill Date: 10/15/04
Reported to Dept: 10/15/04
CID: 444
Spill Cause: Unknown
Water Affected: Not reported

MANHOLE 34297 (Continued) **S106721232**

Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/23/06
Remediation Phase:	0
Date Entered In Computer:	10/18/04
Spill Record Last Update:	10/23/06
Spiller Name:	ERT DESK
Spiller Company:	MANHOLE 34297
Spiller Address:	MCGINNIS BLVD/PAIDGE AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(212) 580-8383
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0407860
DER Facility ID:	267627
Site ID:	332437
Operable Unit ID:	1094670
Operable Unit:	01
Material ID:	574793
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0407860 10/23/06 - See e-docs for Con Ed report detailing cleanup and closure. e2mis no. 155830: 10/15/04 0958hrs - Wayne Huggins # 14764 Splicer, UG, reports while on location for pre-inspections found 4 gallons unknown oil on3000 gallons water in MH4297. Sample taken, marked E priority. Clean up pending test results ***ALSO*** have UG meet at location at time of cleanup. Incident # 155667 for same location was just completed 10/7/04. END DECRemark - 0407860

Remarks: Start CallerRemark - 0407860 on 3000 gallons of water: no to 5 questions, clean up pending test results and resources: coming off 24hour clock: coned # 155830 END CallerRemark - 0407860

AA141 **MANHOLE 4297** **NY Spills** **S106721901**
ENE **MCGINNIS BV / PAIDGE AV** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.336 mi.
1772 ft. **Site 3 of 5 in cluster AA**

Relative:
Lower

Actual:
7 ft.

NY Spills:

Site ID:	331870
Facility Addr2:	Not reported
Facility ID:	0407431
Spill Number:	0407431
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	GDBREEN
Referred To:	Not reported
Spill Date:	10/04/04
Reported to Dept:	10/04/04
CID:	41
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	12/24/04
Remediation Phase:	0
Date Entered In Computer:	10/05/04
Spill Record Last Update:	12/24/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0407431
DER Facility ID:	266914
Site ID:	331870
Operable Unit ID:	1094158
Operable Unit:	01
Material ID:	574275
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0407431 Employee REPORTS FINDING APPROX 1 GAL OF AN UNKNOWN OIL ON APPROX 3000 GALS OF WATER IN MH4297. SPILL IS CONTAINED. NO SEWERS OR

MANHOLE 4297 (Continued) **S106721901**

WATERWAYS AFFECTED. NO FIRE OR SMOKE INVOLVED. NO INJURIES. NO PRIVATE PROPERTY AFFECTED. NO SEWER CONNECTIONS. NO MOVEMENT IN THE WATER. CANNOT VERIFY THE EXISTENCE OF ANY SUMPS. TAG # 35428 PLACED IN STRUCTURE. PCB SAMPLE TAKEN. CHAIN OF CUSTODY FORM # DD17140 FILLED OUT AND MARKED 'E' PRIORITY. CLEANUP PENDING LAB RESULTS. Lab Sequence Number: 04-07955-001 - PCBs < 1 ppm
Update 10/5/04 17:00hrs. O.S. B. Bamonte reports on location with Esponda & Vega. An < 50 Astoria tanker removed 3200 gallons of liquids out of structure. After all liquids were removed, Env. Ops. crews wentinto structure to do a QVI. Upon there inspection they found uncapped cable ends. Underground and # 9 were notified about capping cable. Env. stop tag remains in place until cable ends are capped. Job incomplete at this time. UPDATE**********
10-7-04 14:10HRS ESPONDA (ENV OPS) REPORTS, U.G CAPPED PRIMARY CABLE ENDS AND DOUBLE WASHED USING BIO GEN AND SLICKS, NO SUMPS FOUND AND TAG WAS REMOVED JOB IS 100 COMPLETED END DECRemark - 0407431

Remarks: Start CallerRemark - 0407431 3000 GALLONS WATER - REF 155667 - LAB RESULTS LESS THAN ONE PPM - CLEANUP PENDING CREW END CallerRemark - 0407431

AB142 **STAR CANDLE CO.** **NY Spills** **S107416672**
NE **29-35 ASH ST** **N/A**
1/4-1/2 **BROOKLYN, NY 11222**
0.336 mi.
1774 ft. **Site 1 of 2 in cluster AB**

Relative:
Lower

Actual:
4 ft.

NY Spills:

Site ID:	355140
Facility Addr2:	Not reported
Facility ID:	0509371
Spill Number:	0509371
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SMSANGES
Referred To:	Not reported
Spill Date:	11/04/05
Reported to Dept:	11/04/05
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/22/05
Remediation Phase:	0
Date Entered In Computer:	11/04/05
Spill Record Last Update:	12/22/05
Spiller Name:	ELIZABETH READ
Spiller Company:	Not reported
Spiller Address:	29-35 ASH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(212) 421-2150
Contact Name:	ELIZABETH READ

STAR CANDLE CO. (Continued) **S107416672**

Contact Phone:	(212) 421-2150
DEC Region:	2
Program Number:	0509371
DER Facility ID:	305137
Site ID:	355140
Operable Unit ID:	1112510
Operable Unit:	01
Material ID:	2102551
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0509371 11/4/05 - Raphael Ketani. The site is located on the street just south of the Newtown Creek and west of the Pulaski Bride. I called up Elizabeth Read, Esq., of Sive Paget and Riesel, 460 Park Avenue, 10th Floor, NY, NY, 10022 ((212) 421-2150). 11/8/05 - Raphael Ketani. Elizabeth Read called me back to tell me that the owners' address is Star Candle Co., 29 Ash St., Brooklyn, 11222. 11/9/05 - Raphael Ketani. I am sending an "old soil contamination letter" to Ms.Read and to the owners. 12/5/05 - Raphael Ketani. Case transfered to Steve Sangesland at his request as he was the original case manager for a spill some years back and knows the site. 12/22/05 - Sangesland reviewed a Phase 2 report submitted by James Rhodes of PW Grosser Consulting. Report confirms that there was long term fill material on the site with some SVOC and some metals. This is all historical coal ash material. Consultant specifically stated that there was no visible sheen or leakage from the bulkhead. Color photos comfirm this. Spill Event Closed. END DECRemark - 0509371

Remarks: Start CallerRemark - 0509371 SITE WAS UNDER A DUE DIALENGENCE INVESTIGATION AND SEEMS TO BE HISTORIC. HAS NOT BEEN CLEANED UP YET END CallerRemark - 0509371

AB143 **29 ASH ST/BKLYN/UNIVERSAL** **LTANKS** **S102959956**
NE **29 ASH ST** **HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.336 mi.
1774 ft. **Site 2 of 2 in cluster AB**

Relative:
Lower

Actual:
4 ft.

LTANKS:

Site ID:	119835
Spill Date:	11/10/97
Facility Addr2:	Not reported
Facility ID:	9709313
Program Number:	9709313
SWIS:	2401
Region of Spill:	2
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	11/10/97
CID:	14
Spill Cause:	Tank Test Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Tank Tester

29 ASH ST/BKLYN/UNIVERSAL (Continued) **S102959956**

Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/03/03
Remediation Phase:	0
Date Entered In Computer:	11/10/97
Spill Record Last Update:	04/03/03
Spille Namer:	MARGARET TAVARES
Spiller Company:	Not reported
Spiller Phone:	(212) 363-3775
Spiller Extention:	Not reported
Spiller Address:	29 ASH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	MARGARET TAVARES
Spiller Phone:	(212) 363-3775
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9709313
DER Facility ID:	104081
Site ID:	119835
Operable Unit ID:	1052384
Operable Unit:	01
Material ID:	327665
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	119835
Spill Tank Test:	1545452
Tank Number:	1
Tank Size:	5000
Test Method:	03
Leak Rate:	0.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/01/04
Test Method:	Horner EZ Check I or II
DEC Memo:	Not reported
Remarks:	Not reported
Site ID:	119834
Spill Date:	12/24/87
Facility Addr2:	Not reported
Facility ID:	8708297
Program Number:	8708297
SWIS:	2401
Region of Spill:	2

29 ASH ST/BKLYN/UNIVERSAL (Continued) **S102959956**

Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	12/24/87
CID:	14
Spill Cause:	Tank Test Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Tank Tester
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/18/03
Remediation Phase:	0
Date Entered In Computer:	01/14/88
Spill Record Last Update:	09/30/03
Spille Namer:	Not reported
Spiller Company:	UNIVERSAL CHILDREN
Spiller Phone:	(718) 389-2929
Spiller Extention:	Not reported
Spiller Address:	29 ASH ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	8708297
DER Facility ID:	104081
Site ID:	119834
Operable Unit ID:	912922
Operable Unit:	01
Material ID:	463690
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	119834
Spill Tank Test:	1532814
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/01/04
Test Method:	Unknown
DEC Memo:	Not reported
Remarks:	Not reported

29 ASH ST/BKLYN/UNIVERSAL (Continued) **S102959956**

HIST LTANKS:

Region of Spill:	2
Spill Number:	9709313
Investigator:	SANGESLAND
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	11/10/1997
Spill Time:	18:30
Reported to Department Date:	11/10/97
Reported to Department Time:	18:39
SWIS:	61
Spiller Contact:	MARGARET TAVARES
Spiller Phone:	(212) 363-3775
Spiller Extention:	Not reported
Spiller Name:	Not reported
Spiller Address:	29 ASH ST
Spiller City,St,Zip:	BROOKLYN, NY
Facility Contact:	MARGARET TAVARES
Facility Phone:	(212) 363-3775
Facility Extention:	Not reported
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	11/10/97
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	06/08/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	1
Tank Size:	5000
Test Method:	Horner EZ Check
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0

29 ASH ST/BKLYN/UNIVERSAL (Continued) **S102959956**

Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 02/09/01 Reassigned from Tibbe to Sangesland. See also 8708297. 2/20/2001 Bob Olsen at Enviro-Comp submitted a report showing boring work and water samples which show high levels of volitiles. Mr. Olsen says that the problem is due to Mobil and not from his site. 2/21/2001 - Sangesland spoke to Mark Tibbe about the site. He said the site is NOT within the product plume of Mobil Greenpoint however it MAY be in the dissolved phase plume. Mark said that he told Mr. Olsen to prove the groundwater flow by installing wells on his site and prove that the groundwater flow was in that direction. There also seems to be a problem with the data, because the concentrations are not consistant in all the borings at each depth. If the problem wasfrom Mobil, there would not be such a wide range of values on a single site. Sangesland spoke to Mr. Olsen and asked him to prove his point that the problem is from Mobil by way of hydrogeology. Sangesland told Mr. Olsen to install 3 wells and identify flow direction. 5/16/2001 - Sangesland along with Rommel and DEC attorney) met at the DEC offices with Steven Gurewitsch Star Candle), Bob Olsen Enviro-Comp), James Periconi attorney). This meeting went over a series of technical options open to Star Candle to resolve the problems at the site. Problem is contaminated soil under the slab of the garage floor. Groundwater is approx. 5 ft deep. DEC suggested that the slab be opened, bad soil be excavated and the area back filled and repaved. Sidewall endpoint samples were discussed. DEC thought we had an understanding that this would be done, however 2 hours after the meeting Mr. Steven Gurewitsch called to say they would not do the work we discussed. Issue remains open.
Spill Cause: Not reported

Region of Spill: 2
Spill Number: 8708297
Investigator: SANGESLAND
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spill Date: 12/24/1987
Spill Time: 11:00
Reported to Department Date: 12/24/87
Reported to Department Time: 13:30
SWIS: 61
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: UNIVERSAL CHILDREN
Spiller Address: 29 ASH ST
Spiller City,St,Zip: BROOKLYN, NY
Facility Contact: Not reported

29 ASH ST/BKLYN/UNIVERSAL (Continued) **S102959956**

Facility Phone:	(718) 389-2929
Facility Extention:	Not reported
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Notifier:	Tank Tester
PBS Number:	2-321303
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	01/14/88
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	02/09/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	0
Test Method:	Not reported
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	/ / : ACTION UNKNOWN. 02/09/01 Reassigned from Battista to Sangesland. See also 9709313
Spill Cause:	5K TANK SYSTEM FAILURE, LEAK RATE OVER 10 GAL/HR. CONTACT: ART ECKSTEIN 718) 389-2929.

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144 East 1/4-1/2 0.337 mi. 1778 ft. **TM #2907 FREEMAN STREET / MCGINNIS BLVD BROOKLYN, NY** **NY Spills** **S108764272 N/A**

Relative: Lower

Actual: 11 ft.

NY Spills:

Site ID:	386781
Facility Addr2:	Not reported
Facility ID:	0706289
Spill Number:	0706289

TM #2907 (Continued) **S108764272**

Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	gdbreen
Referred To:	Not reported
Spill Date:	09/05/07
Reported to Dept:	09/05/07
CID:	444
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/20/07
Remediation Phase:	0
Date Entered In Computer:	09/05/07
Spill Record Last Update:	09/20/07
Spiller Name:	ERTSDESK
Spiller Company:	CON EDISON
Spiller Address:	FREEMAN AVE & MCGINNIS BL
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Spiller Phone:	(212) 580-8383
Contact Name:	ERTSDESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0706289
DER Facility ID:	336187
Site ID:	386781
Operable Unit ID:	1144011
Operable Unit:	01
Material ID:	2134296
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0706289 09/20/07 - See eDocs for Con Ed report detailing cleanup and closure. 207874. see eDocs END DECRemark - 0706289
Remarks:	Start CallerRemark - 0706289 DRIPPING AT THIS TIME: ONGOING: 207874 END CallerRemark - 0706289

AC145 **MANHOLE 4286** **NY Spills** **S107408256**
SE **MANHATTAN AVE / JAVA ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.341 mi.
1803 ft. **Site 1 of 2 in cluster AC**

Relative:
Higher

Actual:
26 ft.

NY Spills:

Site ID:	351182
Facility Addr2:	Not reported
Facility ID:	0506051
Spill Number:	0506051
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SKARAKHA
Referred To:	Not reported
Spill Date:	08/16/05
Reported to Dept:	08/17/05
CID:	74
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/11/06
Remediation Phase:	0
Date Entered In Computer:	08/17/05
Spill Record Last Update:	01/11/06
Spiller Name:	ERT DESK'
Spiller Company:	MANHOLE 4286
Spiller Address:	MANHATTAN AVE & JAVA ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(212) 580-8383
Contact Name:	ERT DESK'
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0506051
DER Facility ID:	298455
Site ID:	351182
Operable Unit ID:	1108712
Operable Unit:	01
Material ID:	2098652
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0506051 e2mis no 160532 V.FAILLA #14567 U/G REPORTS FOUND

MANHOLE 4286 (Continued) **S107408256**

APPROX 1/2 PINT OF POSSIBLE DIELECTRIC FLUID (3C-JOINT LEAKING)WAITING FOR SUPVI.TO CONFIRM.IT APPEARS TO BE CONTAINED AT THIS TIME NO SEWERS OR WATERWAYS AFFECTED. 1-SAMPLE TAKEN ON 72HR DEC PROGRAM. ENVIR TAG#26648 PLACED. CLEANUP PENDING TEST RESULT UPDATE 8-17-05 01:00HRS LAB SEQ# 05-08548-001 < 1.0 PPM UPDATE 8-17-05 ED RASA REPORTS, JOINT IS LEAKING A D-FAULT TAG 85211 WAS PLACED. END DECRemark - 0506051

Remarks: Start CallerRemark - 0506051 1/2 pint taken off the 72 hour clock default in the manhole cleanup pending the equipment being de-energized ref 160532 END CallerRemark - 0506051

AC146
SE
1/4-1/2
0.341 mi.
1803 ft.

MANHOLE 61605 **NY Spills** **S105058034**
MANHATTAN AVE/JAVA ST **NY Hist Spills** **N/A**
BROOKLYN, NY

Site 2 of 2 in cluster AC

Relative:
Higher

Actual:
26 ft.

NY Spills:

Site ID:	78386
Facility Addr2:	Not reported
Facility ID:	0102679
Spill Number:	0102679
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	06/11/01
Reported to Dept:	06/11/01
CID:	382
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/10/05
Remediation Phase:	0
Date Entered In Computer:	06/11/01
Spill Record Last Update:	03/10/05
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	PETER MCQUIRE
Contact Phone:	(212) 580-6765
DEC Region:	2
Program Number:	0102679
DER Facility ID:	72949
Site ID:	78386
Operable Unit ID:	839343
Operable Unit:	01

MANHOLE 61605 (Continued) **S105058034**

Material ID: 534793
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 0102679 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" e2mis no. 137585: Lenny Feld, Employee # 27586, of Transmission Operations Department, was on routine manhole inspections when he discovered approximately 1 pint of oil in manhole 61605, Feeder 31232. The spill is contained within the manhole. OIL SPILL CLEANUP CHECKLIST LSN No. 01-06428-001 PCB 1 PPM Source/cause of spill - FDR 31232 - CORROSION WASHED MANHOLE Name of contractor - CLEAN HARBORS Cleanup completed on Date 06/11/01 Time 19:30 On 6/22/01 TO crews removed and replaced corroded, leaking bypass line. Repairs completed. END DECRemark - 0102679
Remarks: Start CallerRemark - 0102679 1 pt oil on floor of manhole. clean up within 24-48 hours. con ed 137-585 END CallerRemark - 0102679

NY Hist Spills:
Region of Spill: 2
Spill Number: 0102679
Investigator: O'CONNELL
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 06/11/2001 09:50
Reported to Dept Date/Time: 06/11/01 11:03
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: ( ) -
Spiller Contact: PETER MCQUIRE
Spiller Phone: (212) 580-6765
Spiller Address: Not reported
Spiller City,St,Zip: -
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False

MANHOLE 61605 (Continued) **S105058034**

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/11/01
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/11/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: 1 pt oil on floor of manhole. clean up within 24-48 hours. con ed 137-585

AA147 **MANHOLE #4298** **NY Spills** **S106721141**
ENE **PAIDGE AVE/ MCGUINESS BD** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.343 mi.
1809 ft. **Site 4 of 5 in cluster AA**

Relative:
Lower

Actual:
7 ft.

NY Spills:
Site ID: 332151
Facility Addr2: Not reported
Facility ID: 0407629
Spill Number: 0407629
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: GDBREEN
Referred To: Not reported
Spill Date: 10/08/04
Reported to Dept: 10/08/04
CID: 77
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Local Agency
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Possible release with minimal potential for fire or hazard or Known

MANHOLE #4298 (Continued) **S106721141**

release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

Spill Closed Dt:	12/27/04
Remediation Phase:	0
Date Entered In Computer:	10/12/04
Spill Record Last Update:	12/27/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0407629
DER Facility ID:	267316
Site ID:	332151
Operable Unit ID:	1094408
Operable Unit:	01
Material ID:	574518
Material Code:	0065A
Material Name:	UNKNOWN NON-PETRO/NON-HAZ MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0407629 Employee REPORTS FINDING APPROX 2 PTS OF UNKNOWN OIL ON APPROX 500 GAL OF WATER IN M4258. THERE WAS NO SMOKE, FIRE, OR INJURIES RELATED TO THE SPILL, NOR WERE ANY SEWERS, WATERWAYS, OR PRIVATE PROPERTY AFFECTED. THE SOURCEAND CAUSE OF THE SPILL IS UNKNOWN. THE EXISTANCE OF ANY SUMPS, SEWER CONNECTIONS, OR SUBSTANTIAL CRACKS COULD NOT BE VERIFIED AT THIS TIME, AND THE STANDING WATER HAD NO MOVEMENT. ENV STOP TAG# 26647 WAS PLACED AND ONE LIQUID SAMPLE TAKEN ON "E" PRIORITY FOR PCB ANALYSIS ON CHAIN OF CUSTODY# DD20414. Lab Sequence Number: 04-08168-001 - Aroclor 1260 < 1.0 ppm EPA 608/8082 Update - MH# should read M4298. Advised Chemlab to reissue lab results. UPDATE 10-10-04 11:30HRS N. DREVITCH (ENVOPS) REPORTS, TANKER REMOVED ALL LIQUIDS FROM STRUCTURE AND LOADED UP. DREVITCH LEFT LOCATION FOR ANOTHER FEEDER JOB AND T. FERNANDEZ WILL ARRANGE FOR TANKER TO RETURN ON NEXT SHIFT TO COMPLETE JOB. 10/10/04 2025HRS JONES REPORTS CLEANUP COMPLETED DOULBED WASHED STRUCTURE USING BIO-GEN 760. FOUND NO SUMP REMOVED ENVIR TAG#26647. END DECRemark - 0407629

Remarks: Start CallerRemark - 0407629 found 2 pts of unknown oil on 500 gals. No to 5 questions. Con Ed Ref #155749 END CallerRemark - 0407629

AA148 **MANHOLE # 4298** **NY Spills** **S106721234**
ENE **PAIDGE AVE/MCGINNIS BLVD** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.343 mi.
1809 ft. **Site 5 of 5 in cluster AA**

Relative:
Lower

Actual:
7 ft.

NY Spills:

Site ID:	332439
Facility Addr2:	Not reported
Facility ID:	0407862
Spill Number:	0407862
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	10/15/04
Reported to Dept:	10/15/04
CID:	444
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/28/04
Remediation Phase:	0
Date Entered In Computer:	10/18/04
Spill Record Last Update:	12/28/04
Spiller Name:	ERT DESK
Spiller Company:	MANHOLE # 4298
Spiller Address:	PAIDGE AVE/MCGINNIS BLVD
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(212) 580-8383
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0407862
DER Facility ID:	267629
Site ID:	332439
Operable Unit ID:	1094672
Operable Unit:	01
Material ID:	574795
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0407862 e2mis no. 155832: 10/15/04 - 1029hrs - Wayne

MANHOLE # 4298 (Continued) **S106721234**

Huggins # 14764, Splicer, UG, reports while doing pre-isnpections found 2 gallons unknown oil on 3000 gallons water in MH4298. Clean up pending test results ***ALSO**** arrange a meet with UG at time of clean up so that they can do their secondary work. Previous incident # 155749 completed 10/10/04.
UPDATE: 18-OCT-2004 1200HRS LABARBEARA ENVIROMENTAL OPS REPORTS TANKER REMOVED 1800 GALLONS LIQUID FROM STRUCTURE. DOUBLE WASHED STRUCTURE WITH BIO GEN 760 SLICKS. NO SUMP OR SEWER IN STRUCTURE. REMOVE TAG # 34961. JOB COMPLETE 100 END DECRemark - 0407862

Remarks: Start CallerRemark - 0407862 on 3000 gallons of water: no to 5 questions: also coming off 24 hour clock: pending test results and crew END CallerRemark - 0407862

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149 SSE 1/4-1/2 0.343 mi. 1812 ft. **WITKOSKI RESIDENCE 108 KENT STREET BROOKLYN, NY** **NY Spills** **S106722411 N/A**

Relative: Higher

Actual: 24 ft.

NY Spills:

Site ID:	332863
Facility Addr2:	Not reported
Facility ID:	0408198
Spill Number:	0408198
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JMKRIMGO
Referred To:	Not reported
Spill Date:	10/25/04
Reported to Dept:	10/25/04
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/16/05
Remediation Phase:	0
Date Entered In Computer:	10/25/04
Spill Record Last Update:	03/17/05
Spiller Name:	MR. WITKOSKI
Spiller Company:	WITKOSKI RESIDENCE
Spiller Address:	108 KENT STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(718) 383-1004
Contact Name:	MR. WITKOSKI
Contact Phone:	(718) 383-1004
DEC Region:	2
Program Number:	0408198
DER Facility ID:	268088
Site ID:	332863

WITKOSKI RESIDENCE (Continued) **S106722411**

Operable Unit ID:	1095070
Operable Unit:	01
Material ID:	575199
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0408198 3/16/2005 Sangesland spoke to Mr. Witkoski. He says the spill from last October was very minor on his driveway and it is all cleaned up. Spill Closed END DECRemark - 0408198
Remarks:	Not reported

Z150 **MCGUINESS & BOX ST** **NY Spills** **S102239316**
ENE **MCGUINESS / BOX ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.344 mi.
1815 ft. **Site 4 of 4 in cluster Z**

Relative:
Lower

Actual:
7 ft.

NY Spills:

Site ID:	313944
Facility Addr2:	Not reported
Facility ID:	9515565
Spill Number:	9515565
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	03/01/96
Reported to Dept:	03/04/96
CID:	322
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/17/04
Remediation Phase:	0
Date Entered In Computer:	03/04/96
Spill Record Last Update:	12/17/04
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported

MCGUINESS & BOX ST (Continued) **S102239316**

Contact Phone:	Not reported
DEC Region:	2
Program Number:	9515565
DER Facility ID:	253136
Site ID:	313944
Operable Unit ID:	1026644
Operable Unit:	01
Material ID:	355690
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	313944
Operable Unit ID:	1026644
Operable Unit:	01
Material ID:	355689
Material Code:	0013
Material Name:	Lube Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	313944
Operable Unit ID:	1026644
Operable Unit:	01
Material ID:	355687
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False

DEC Memo: Start DECRemark - 9515565 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" 12/17/04: Con Ed submitted copy of OIL, TOXIC OR HAZARDOUS SUBSTANCE (INCLUDING PCB'S AND ASBESTOS) SPILLS AND FIRES NOTIFICATION FORM dated3/4/96, which states: "LOCATION OF SPILL/FIRE: MCGUINESS BLVD AND BOX ST., BROOKLYN BENEATH PULASKI BRIDGE. TYPE OF SPILL/FIRE AND CAUSE: M & C ARE EXCAVATING THE STREET TO INSTALL A TEST PIT FOR THE PROPOSED INSTALLATION OF THE #7 FUEL OIL LINE. THEY FOUND TIDAL WATER IN THE EXCAVATION. THE WATER WAS SAMPLED AND RESULTS WERE RETURNED ON 3/4. THE RESULTS SHOWED LIGHT LUBE 011,#2 FUEL OIL, AND HEAVY FUEL OIL.THESE MATERIALS WERE NOT SPILLED BY CON EDISON. SAMPLING AND CLEAN UP WILL CONTINUE THROUGHOUT THE PERIOD OF THE EXCAVATION. Location is within Mobil Greenpoint plume area - see spill number 8800244. Close out. (JHO) END DECRemark - 9515565

Remarks: Start CallerRemark - 9515565 con ed doing excavation in area - found tidal water and had it tested - traces of above substances found END CallerRemark -

MCGUINESS & BOX ST (Continued) **S102239316**

9515565

NY Hist Spills:

Region of Spill:	2
Spill Number:	9515565
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/01/1996 14:00
Reported to Dept Date/Time:	03/04/96 14:07
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	UNKNOWN
Spiller Phone:	Not reported
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN
Spill Cause:	Unknown
Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	03/04/96
Date Spill Entered In Computer Data File:	Not reported
Update Date:	03/26/96
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL

MCGUINESS & BOX ST (Continued) **S102239316**

Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: LUBE OIL
Class Type: LUBE OIL
Times Material Entry In File: 295
CAS Number: Not reported
Last Date: 19940728
Material: LUBRICATING OIL
Class Type: LUBRICATING OIL
Times Material Entry In File: 292
CAS Number: Not reported
Last Date: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: con ed doing excavation in area - found tidal water and had it tested - traces of above substances found

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151
ESE
1/4-1/2
0.346 mi.
1828 ft.

HALF PINT OIL IN MAN HOLE 71471
GREEN STREET / MCGUINNESS
BROOKLYN, NY

NY Spills **S108762711**
N/A

Relative:
Equal

Actual:
12 ft.

NY Spills:
Site ID: 384411
Facility Addr2: Not reported
Facility ID: 0704289
Spill Number: 0704289
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: gdbreen
Referred To: Not reported
Spill Date: 07/16/07
Reported to Dept: 07/16/07
CID: 78
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Responsible Party
Cleanup Ceased: / /

HALF PINT OIL IN MAN HOLE 71471 (Continued) **S108762711**

Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/20/07
Remediation Phase:	0
Date Entered In Computer:	07/17/07
Spill Record Last Update:	08/20/07
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0704289
DER Facility ID:	333820
Site ID:	384411
Operable Unit ID:	1141716
Operable Unit:	01
Material ID:	2131923
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Sewer
Oxygenate:	False
DEC Memo:	Start DECRemark - 0704289 08/20/07 - See eDocs for Con Ed report detailing cleanup and closure. 207051. see eDocs END DECRemark - 0704289
Remarks:	Start CallerRemark - 0704289 1/2 pint in manhole and unknnown amount in sewer. con ed #207051 Clean up in progress. NO to all five questions. END CallerRemark - 0704289

AD152 **5-35 54TH STREET** **LTANKS** **S102672486**
NNE **5-35 54TH STREET** **HIST LTANKS** **N/A**
1/4-1/2 **LONG ISLAND, NY, NY**
0.352 mi.
1857 ft. **Site 1 of 5 in cluster AD**

Relative:
Lower

Actual:
4 ft.

LTANKS:

Site ID:	225595
Spill Date:	04/22/94
Facility Addr2:	Not reported
Facility ID:	9401091
Program Number:	9401091
SWIS:	4101
Region of Spill:	2
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	04/22/94
CID:	Not reported

5-35 54TH STREET (Continued) **S102672486**

Spill Cause:	Tank Overfill
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	04/22/94
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/22/94
Remediation Phase:	0
Date Entered In Computer:	04/27/94
Spill Record Last Update:	11/26/03
Spille Namer:	Not reported
Spiller Company:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9401091
DER Facility ID:	186230
Site ID:	225595
Operable Unit ID:	998436
Operable Unit:	01
Material ID:	384862
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9401091

5-35 54TH STREET (Continued) **S102672486**

Investigator:	MARTINKAT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	04/22/1994
Spill Time:	11:50
Reported to Department Date:	04/22/94
Reported to Department Time:	11:55
SWIS:	63
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	04/22/94
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/22/94
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	04/27/94
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	/ /
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	2
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0

5-35 54TH STREET (Continued) **S102672486**

Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Spill Cause: WILL USE DRYZALL TO CLEAN UP.

AD153 **5-35 54TH AVENUE** **NY Spills** **S104495910**
NNE **5-35 54TH AVENUE** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.352 mi.
1857 ft. **Site 2 of 5 in cluster AD**

Relative:
Lower

Actual:
4 ft.

NY Spills:
Site ID: 103621
Facility Addr2: Not reported
Facility ID: 9414967
Spill Number: 9414967
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: SMMARTIN
Referred To: Not reported
Spill Date: 02/14/95
Reported to Dept: 02/14/95
CID: 07
Spill Cause: Equipment Failure
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: 02/14/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 02/14/95
Remediation Phase: 0
Date Entered In Computer: 04/06/95
Spill Record Last Update: 11/26/03
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: ***Update***, ZZ
Spiller Company: 001
Spiller Phone: Not reported
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 9414967
DER Facility ID: 91623
Site ID: 103621
Operable Unit ID: 1012397
Operable Unit: 01
Material ID: 373691

5-35 54TH AVENUE (Continued) **S104495910**

Material Code: 0001
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9414967 Prior to Sept, 2004 data translation this spill Lead DEC Field was "MARTINKAT" END DECRemark - 9414967
Remarks: Start CallerRemark - 9414967 PROBLEM WITH ANGLE ON FILL LINE CAUSING SPILL. END CallerRemark - 9414967

Site ID: 103620
Facility Addr2: Not reported
Facility ID: 9413904
Spill Number: 9413904
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: JMKRIMGO
Referred To: Not reported
Spill Date: 01/17/95
Reported to Dept: 01/17/95
CID: 07
Spill Cause: Human Error
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: 01/19/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/19/95
Remediation Phase: 0
Date Entered In Computer: 03/21/95
Spill Record Last Update: 11/26/03
Spiller Name: Not reported
Spiller Company: DRIVER
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001
Spiller Phone: Not reported
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 9413904
DER Facility ID: 91623
Site ID: 103620
Operable Unit ID: 1011421
Operable Unit: 01
Material ID: 372653
Material Code: 0001

5-35 54TH AVENUE (Continued) **S104495910**

Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: -1.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9413904 Prior to Sept, 2004 data translation this spill Lead DEC Field was "KRIMGOLD" END DECRemark - 9413904
Remarks: Start CallerRemark - 9413904 SIDEWALK EFFECTED - SPEEDY DRY APPLIED END CallerRemark - 9413904

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:
Region of Spill: 2
Spill Number: 9414967
Investigator: MARTINKAT
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 02/14/1995 11:45
Reported to Dept Date/Time: 02/14/95 12:05
SWIS: 63
Spiller Name: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 02/14/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 02/14/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/06/95
Date Spill Entered In Computer Data File: Not reported
Update Date: 04/06/95
Is Updated: False

5-35 54TH AVENUE (Continued) **S104495910**

PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: PROBLEM WITH ANGLE ON FILL LINE CAUSING SPILL.

Region of Spill: 2
Spill Number: 9413904
Investigator: KRIMGOLD
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 01/17/1995 10:00
Reported to Dept Date/Time: 01/17/95 09:15
SWIS: 63
Spiller Name: DRIVER
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Human Error
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: 01/19/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/19/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 03/21/95

5-35 54TH AVENUE (Continued) **S104495910**

Date Spill Entered In Computer Data File: Not reported
Update Date: 03/21/95
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: SIDEWALK EFFECTED - SPEEDY DRY APPLIED

AD154 **FINK BAKERY** **NY Spills** **S102239237**
NNE **535 54TH AVE** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.352 mi.
1857 ft. **Site 3 of 5 in cluster AD**

Relative:
Lower

Actual:
4 ft.

NY Spills:
Site ID: 265552
Facility Addr2: Not reported
Facility ID: 9515158
Spill Number: 9515158
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: SMMARTIN
Referred To: Not reported
Spill Date: 02/26/96
Reported to Dept: 02/26/96
CID: 07
Spill Cause: Human Error
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 02/26/96
Remediation Phase: 0
Date Entered In Computer: 02/26/96
Spill Record Last Update: 03/11/96
Spiller Name: PETER LEPORE

FINK BAKERY (Continued) **S102239237**

Spiller Company:	WHALECO FUEL OIL
Spiller Address:	1 COFFEY STREET
Spiller City,St,Zip:	BROOKLYN, NY 11231-
Spiller Company:	001
Spiller Phone:	(718) 852-7000 522
Contact Name:	PETER LEPORE
Contact Phone:	(718) 852-7000
DEC Region:	2
Program Number:	9515158
DER Facility ID:	216379
Site ID:	265552
Operable Unit ID:	1026259
Operable Unit:	01
Material ID:	355289
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	1.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9515158 Prior to Sept, 2004 data translation this spill Lead DEC Field was "MARTINKAT" END DECRemark - 9515158
Remarks:	Start CallerRemark - 9515158 cap too tight - small spill - all cleaned END CallerRemark - 9515158

NY Hist Spills:

Region of Spill:	2
Spill Number:	9515158
Investigator:	MARTINKAT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/26/1996 08:15
Reported to Dept Date/Time:	02/26/96 08:53
SWIS:	63
Spiller Name:	WHALECO FUEL OIL
Spiller Contact:	PETER LEPORE
Spiller Phone:	(718) 852-7000 522
Spiller Contact:	PETER LEPORE
Spiller Phone:	(718) 852-7000
Spiller Address:	1 COFFEY STREET
Spiller City,St,Zip:	BROKKLYN, NY 11231-
Spill Cause:	Human Error
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	07
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /

FINK BAKERY (Continued) **S102239237**

Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 02/26/96
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/26/96
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/11/96
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 1
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: cap too tight - small spill - all cleaned

AD155 **ANOROC REALTY, LLC** **UST** **1000546033**
NNE **5-35 54TH AVENUE** **AST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **LTANKS**
0.352 mi. **HIST UST**
1857 ft. **Site 4 of 5 in cluster AD** **HIST AST**
HIST LTANKS

Relative:
Lower

UST:

Actual:
4 ft.

UST:
Facility Id: 2-117277
Region: STATE
Expiration Date: 08/10/09
Renewal Date: 02/05/02
Total Capacity: 0
Facility Type: Not reported
Mailing Company: BROAWAY STAGES
Mailing Title: Not reported
Mailing Contact: ANTHONY ARGENTO
Mailing Address: 203 MESEROLE AVENUE
Mailing Address 2: Not reported
Mailing City: BROOKLYN
Mailing State: NY
Mailing Zip Code: 11222

ANOROC REALTY, LLC (Continued) **1000546033**

Mailing Phone No:	(718) 349-9093
Mailing Email:	Not reported
Owner Title:	PRESIDENT
Owner Name:	ANTHONY ANOROC
Owner Address:	203 MESEROLE AVENUE
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222
Owner Phone:	(718) 349-9093
Owner Company:	ANOROC REALTY, LLC
Emergency Contact:	ANTHONY ARGENTO
Emergency Phone:	(718) 349-9093
Operator:	ANTHONY ARGENTO
Operator Phone:	(718) 349-9093
Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial
UTM X:	588117.35498
UTM Y:	4510456.89479
Site Type Name:	Manufacturing (Other than Chemical)/Processing
Site Type Status:	Unregulated
Comments:	Not reported
Program Type:	PBS
Tank Number:	001
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/04

ANOROC REALTY, LLC (Continued) **1000546033**

Tank Number:	002
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	003
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None

ANOROC REALTY, LLC (Continued) **1000546033**

Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	004
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	005
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline

ANOROC REALTY, LLC (Continued) **1000546033**

Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	006
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	Groundwater Well
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /

ANOROC REALTY, LLC (Continued) **1000546033**

Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	007
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	008
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported

ANOROC REALTY, LLC (Continued) **1000546033**

Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	009
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	010
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported

ANOROC REALTY, LLC (Continued) **1000546033**

Active Status:	Inactive
Install Date:	12/01/61
Capacity Gallons:	550
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	None
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	011
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	06/01/76
Capacity Gallons:	2000
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	Fiberglass Liner (FRP)
Tank Internal Protection 1:	Retrofitted Sacrificial Anode
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	Retrofitted Impressed Current
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Double-Walled (Underground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	In-Tank System (ATG)
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	High Level Alarm
Type Of Overfill Prevention 2:	Not reported

ANOROC REALTY, LLC (Continued) **1000546033**

Dispenser Method:	Submersible
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZY3/EZY3 Locator Plus
Date Tested:	07/11/03
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	012
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	06/01/76
Capacity Gallons:	2000
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	Fiberglass Liner (FRP)
Tank Internal Protection 1:	Retrofitted Sacrificial Anode
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Underground/On-ground
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	Retrofitted Impressed Current
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Double-Walled (Underground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	In-Tank System (ATG)
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	High Level Alarm
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Submersible
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZY3/EZY3 Locator Plus
Date Tested:	07/11/03
Next Test Date:	/ /
Date Tank Closed:	08/01/04

Tank Number:	013
Tank Location Name:	Underground
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	06/01/80
Capacity Gallons:	8000
Material Name:	#2 Fuel Oil
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	Painted/Asphalt Coating
Tank Internal Protection 2:	Not reported

ANOROC REALTY, LLC (Continued) **1000546033**

Pipe Location Name:	Aboveground/Underground Combination
Pipe Type Name:	Galvanized Steel
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Double-Walled (Underground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Exempt Suction Piping
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Horner EZY3/EZY3 Locator Plus
Date Tested:	07/11/03
Next Test Date:	/ /
Date Tank Closed:	08/01/04

AST:

AST:

Region:	STATE
Facility Id:	2-117277
UTM X:	588117.35498
UTM Y:	4510456.89479
Expiration Date:	08/10/09
Renewal Date:	02/05/02
Total Capacity:	0
Facility Type:	Not reported
Site Type Name:	Manufacturing (Other than Chemical)/Processing
Site Type Status:	Unregulated
Mailing Company:	BROAWAY STAGES
Mailing Title:	Not reported
Mailing Contact:	ANTHONY ARGENTO
Mailing Address:	203 MESEROLE AVENUE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip Code:	11222
Mailing Phone No:	(718) 349-9093
Mailing Email:	Not reported
Owner Title:	PRESIDENT
Owner Name:	ANTHONY ANOROC
Owner Address:	203 MESEROLE AVENUE
Owner Address 2:	Not reported
Owner State:	NY
Owner Zip Code:	11222
Owner Phone:	(718) 349-9093
Owner Company:	ANOROC REALTY, LLC
Emergency Contact:	ANTHONY ARGENTO
Emergency Phone:	(718) 349-9093
Operator:	ANTHONY ARGENTO
Operator Phone:	(718) 349-9093
Owner City:	BROOKLYN
Owner Sub Type:	Corporate or Commercial

ANOROC REALTY, LLC (Continued) **1000546033**

Program Type:	PBS
Tank Number:	014
Tank Location Name:	Aboveground on crib, rack, or cradle
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Inactive
Install Date:	06/01/79
Capacity Gallons:	20000
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Vault (w/o access)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Product Level Gauge (A/G)
Type Of Overfill Prevention 2:	Not reported
Dispenser Method:	Suction
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	08/01/03

LTANKS:

Site ID:	176302
Spill Date:	07/18/97
Facility Addr2:	Not reported
Facility ID:	9704673
Program Number:	9704673
SWIS:	4101
Region of Spill:	2
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	07/18/97
CID:	07
Spill Cause:	Tank Test Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Tank Tester
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False

ANOROC REALTY, LLC (Continued) **1000546033**

Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/27/97
Remediation Phase:	0
Date Entered In Computer:	07/18/97
Spill Record Last Update:	08/27/97
Spille Namer:	GERMAN FUENTES
Spiller Company:	FINK BAKING
Spiller Phone:	(718) 392-8300
Spiller Extention:	243
Spiller Address:	5-35 54TH AVE
Spiller City,St,Zip:	LONG ISLAND CITY, ZZ
Spiller County:	001
Spiller Contact:	GERMAN FUENTES
Spiller Phone:	(718) 392-8300
Spiller Extention:	243
DEC Region:	2
Program Number:	9704673
DER Facility ID:	91623
Site ID:	Not reported
Operable Unit ID:	Not reported
Operable Unit:	Not reported
Material ID:	Not reported
Material Code:	Not reported
Material Name:	Not reported
Case No.:	Not reported
Material FA:	Not reported
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported
Site ID:	176302
Spill Tank Test:	1545216
Tank Number:	Not reported
Tank Size:	8000
Test Method:	20
Leak Rate:	0.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/01/04
Test Method:	USTest 2000/P/LL plus USTest 2000/U
DEC Memo:	Not reported
Remarks:	Not reported

HIST UST:

PBS Number:	2-117277
SPDES Number:	Not reported
Emergency Contact:	JOHN DOZIS
Emergency Telephone:	(718) 392-8300
Operator:	FINK BAKING CORP
Operator Telephone:	(718) 392-8300
Owner Name:	FINK BAKING CORP
Owner Address:	5-35 54TH AVE
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Telephone:	(718) 392-8300
Owner Type:	Corporate/Commercial

ANOROC REALTY, LLC (Continued) **1000546033**

Owner Subtype:	Not reported
Mailing Name:	FINK BAKING CORPORATION
Mailing Address:	5-35 54TH AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Contact:	JOHN DOZIS
Mailing Telephone:	(718) 392-8300
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	5-35 54TH AVE
SWIS ID:	6301
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/20/1999
Expiration Date:	06/05/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	32000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19611201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported

ANOROC REALTY, LLC (Continued) **1000546033**

Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19611201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19611201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True

ANOROC REALTY, LLC (Continued) **1000546033**

Lat/long: Not reported

Tank Id: 004
Tank Location: UNDERGROUND
Tank Status: Closed-In Place
Install Date: 19611201
Capacity (gals): 550
Product Stored: LEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: Diking
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 005
Tank Location: UNDERGROUND
Tank Status: Closed-In Place
Install Date: 19611201
Capacity (gals): 550
Product Stored: LEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: Diking
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

ANOROC REALTY, LLC (Continued) **1000546033**

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19611201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	Groundwater Well
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19611201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	008
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place

ANOROC REALTY, LLC (Continued) **1000546033**

Install Date:	19611201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	009
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19611201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	010
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19611201
Capacity (gals):	550
Product Stored:	LEADED GASOLINE

ANOROC REALTY, LLC (Continued) **1000546033**

Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	011
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19760601
Capacity (gals):	2000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Glass Liner
Tank External:	Impressed Current
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Impressed Current
Second Containment:	None
Leak Detection:	In-tank System
Overfill Prot:	High Level Alarm
Dispenser:	Suction
Date Tested:	01/01/1994
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Petro-Tite
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	012
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19760601
Capacity (gals):	2000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Glass Liner
Tank External:	Impressed Current

ANOROC REALTY, LLC (Continued) **1000546033**

Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Impressed Current
Second Containment:	None
Leak Detection:	In-tank System
Overfill Prot:	High Level Alarm
Dispenser:	Suction
Date Tested:	01/01/1994
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Petro-Tite
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	013
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19800601
Capacity (gals):	8000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	07/01/1997
Next Test Date:	07/01/2002
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	USTest 2000
Deleted:	False
Updated:	True
Lat/long:	Not reported

HIST AST:

PBS Number:	2-117277
SWIS Code:	6301
Operator:	FINK BAKING CORP
Facility Phone:	(718) 392-8300
Facility Addr2:	5-35 54TH AVE
Facility Type:	Not reported
Emergency:	JOHN DOZIS
Emergency Tel:	(718) 392-8300
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported

ANOROC REALTY, LLC (Continued) **1000546033**

Owner Name:	FINK BAKING CORP
Owner Address:	5-35 54TH AVE
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 392-8300
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	JOHN DOZIS
Mailing Name:	FINK BAKING CORPORATION
Mailing Address:	5-35 54TH AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 392-8300
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	01/20/1999
Expiration:	06/05/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	32000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	63
Town or City Code:	01
Region:	2

Tank ID:	014
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	19790601
Capacity (Gal):	20000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False

ANOROC REALTY, LLC (Continued) **1000546033**

Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

HIST LTANKS:
Region of Spill: 2
Spill Number: 9704673
Investigator: MULQUEEN
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spill Date: 07/18/1997
Spill Time: 09:30
Reported to Department Date: 07/18/97
Reported to Department Time: 10:02
SWIS: 63
Spiller Contact: GERMAN FUENTES
Spiller Phone: (718) 392-8300
Spiller Extention: 243
Spiller Name: FINK BAKING
Spiller Address: 5-35 54TH AVE
Spiller City,St,Zip: LONG ISLAND CITY
Facility Contact: GERMAN FUENTES
Facility Phone: (718) 392-8300
Facility Extention: 243
Spill Cause: Tank Test Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Notifier: Tank Tester
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Standard: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/27/97
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/18/97
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 08/27/97
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 8000
Test Method: USTest 2000

ANOROC REALTY, LLC (Continued) **1000546033**

Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported
Material Class Type:	Not reported
Quantity Spilled:	Not reported
Unkonwn Quantity Spilled:	Not reported
Units:	Not reported
Quantity Recovered:	Not reported
Unkonwn Quantity Recovered:	Not reported
Material:	Not reported
Class Type:	Not reported
Times Material Entry In File:	Not reported
CAS Number:	Not reported
Last Date:	Not reported
DEC Remarks:	8/27/97: REC D LETTER FROM ALVIN PETROLEUM STATING 2 LINES ON TOP OF TANK DEFECTIVE. LINES NOT IN USE AND WERE REMOVED, TANK PASSED TEST FROM CROMPCO. TT SENT TO PBS.
Spill Cause:	gross failure

AD156 **NY Spills** **S104650157**
NNE **535 54TH AVE** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.352 mi.
1857 ft. **Site 5 of 5 in cluster AD**

Relative:
Lower

Actual:
4 ft.

NY Spills:

Site ID:	265553
Facility Addr2:	Not reported
Facility ID:	9911921
Spill Number:	9911921
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	TOMASELLO
Referred To:	Not reported
Spill Date:	01/14/00
Reported to Dept:	01/14/00
CID:	07
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/04/03
Remediation Phase:	0
Date Entered In Computer:	01/14/00
Spill Record Last Update:	03/04/03
Spiller Name:	CALLER
Spiller Company:	PETRO OIL
Spiller Address:	171 EAST AMES CT
Spiller City,St,Zip:	PLAINVIEW, NY -
Spiller Company:	001
Spiller Phone:	Not reported

(Continued) **S104650157**

Contact Name: PETER LEPORE
Contact Phone: (718) 852-7000
DEC Region: 2
Program Number: 9911921
DER Facility ID: 216379
Site ID: Not reported
Operable Unit ID: Not reported
Operable Unit: Not reported
Material ID: Not reported
Material Code: Not reported
Material Name: Not reported
Case No.: Not reported
Material FA: Not reported
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: Not reported
DEC Memo: Not reported
Remarks: Start CallerRemark - 9911921 VENT ALARM DIDN'T WORK CLEANUP IS BEING FINISHED NOW END CallerRemark - 9911921

NY Hist Spills:
Region of Spill: 2
Spill Number: 9911921
Investigator: TOMASELLO
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 01/14/2000 07:45
Reported to Dept Date/Time: 01/14/00 09:07
SWIS: 63
Spiller Name: PETRO OIL
Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Contact: PETER LEPORE
Spiller Phone: (718) 852-7000
Spiller Address: 171 EAST AMES CT
Spiller City,St,Zip: PLAINVIEW, NY -
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

(Continued) **S104650157**

Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 01/14/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 02/18/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Not reported
Quantity Spilled: Not reported
Unkonwn Quantity Spilled: Not reported
Units: Not reported
Quantity Recovered: Not reported
Unkonwn Quantity Recovered: Not reported
Material: Not reported
Class Type: Not reported
Times Material Entry In File: Not reported
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Not reported
Remark: VENT ALARM DIDN T WORK CLEANUP IS BEING FINISHED NOW

AE157 **11TH ST CONDUIT** **NY Spills** **S106001630**
ENE **MCGUINESS BLVD/ASH ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.354 mi.
1867 ft. **Site 1 of 5 in cluster AE**

Relative:
Lower

Actual:
4 ft.

NY Spills:
Site ID: 126812
Facility Addr2: Not reported
Facility ID: 0111517
Spill Number: 0111517
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: JHOCONNE
Referred To: Not reported
Spill Date: 03/06/02
Reported to Dept: 03/06/02
CID: 233
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.

11TH ST CONDUIT (Continued) **S106001630**

Spill Closed Dt:	09/05/06
Remediation Phase:	0
Date Entered In Computer:	03/06/02
Spill Record Last Update:	09/05/06
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0111517
DER Facility ID:	109550
Site ID:	126812
Operable Unit ID:	848515
Operable Unit:	01
Material ID:	525535
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0111517 Prior to Sept, 2004 data translation this spill Lead DEC Field was "FOLEY" 03-05-02 Foley and Rodriguez inspected 11th St conduit with Gas Operations EH&S staff Lima Jones. There is one section of the conduit which has water infiltration resulting in a "muddy" area. "Mud" is orange in color, jelly like in texture and appears to be biological. It is within this area that the black substance is bubbling out of the trough. The black oily substance is noticeableonly when the trough is agitated. Current in trough is relatively strong, pushing the substance downstream. However, did not see oil collecting in trough downstream. There is also a significant amount of sediment in the trough, making it even more difficult to see. There is no sheen in the sump. Sump is murky--could not see to the bottom. END DECRemark - 0111517

Remarks: Start CallerRemark - 0111517 con ed # 141670 caller states that there is an oil type material in the conduit seems to be seeping in thru the wall samples have been taken clean up pending results on samples taken dec rep was on scene of this spill END CallerRemark - 0111517

AE158 **CHEM RELEASE** **NY Spills** **S108130804**
ENE **MCGUINNESS BLVD / ASH STREET** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.354 mi.
1867 ft. **Site 2 of 5 in cluster AE**

Relative:
Lower

Actual:
4 ft.

NY Spills:

Site ID:	370062
Facility Addr2:	Not reported
Facility ID:	0606690
Spill Number:	0606690
Facility Type:	ER
SWIS:	2401

CHEM RELEASE (Continued) **S108130804**

Region of Spill:	2
Investigator:	GDBREEN
Referred To:	Not reported
Spill Date:	09/11/06
Reported to Dept:	09/11/06
CID:	444
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/21/06
Remediation Phase:	0
Date Entered In Computer:	09/11/06
Spill Record Last Update:	12/21/06
Spiller Name:	ERTS
Spiller Company:	CON EDISON
Spiller Address:	MCGINNIS AVE/ASH AVE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Spiller Phone:	(212) 580-8383
Contact Name:	ERTS
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0606690
DER Facility ID:	319918
Site ID:	370062
Operable Unit ID:	1127883
Operable Unit:	01
Material ID:	2117490
Material Code:	0180A
Material Name:	CREOSOTE
Case No.:	08001589
Material FA:	Hazardous Material
Quantity:	300.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0606690 12/21/06 - See e-docs for Con Ed report detailing cleanup and closure. 202392. see eDocs END DECRemark - 0606690
Remarks:	Start CallerRemark - 0606690 MIXED WITH WATER; CONED# 202392 END CallerRemark - 0606690

AE159 **VAULT 1487,1429,1535,1514** **NY Spills** **S106004453**
ENE **ASH ST/MCGUINESS BLVD** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.358 mi.
1888 ft. **Site 3 of 5 in cluster AE**

Relative:
Lower

Actual:
4 ft.

NY Spills:

Site ID:	97293
Facility Addr2:	Not reported
Facility ID:	0202606
Spill Number:	0202606
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	06/11/02
Reported to Dept:	06/11/02
CID:	396
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/26/02
Remediation Phase:	0
Date Entered In Computer:	06/11/02
Spill Record Last Update:	08/26/02
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	CHARLIE MCCARTHY
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0202606
DER Facility ID:	86724
Site ID:	97293
Operable Unit ID:	855694
Operable Unit:	01
Material ID:	520455
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	2.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0202606 Prior to Sept, 2004 data translation this spill Lead

VAULT 1487,1429,1535,1514 (Continued) **S106004453**

DEC Field was "O'CONNELL" e2MIs no. 143-291: 6-11-02 1210 HRS G. PALLADINO # 46015 OS NETWORK REPORTS WHILE DOING INSPECTION (CUSTOMER COMPLAINT LOW / VOLTAGE.) IN V1487 (LEC) FDR 6B54 V1429 NO UNIT IN STRUCTURE V1535 FDR 6B52 AND V1535 FDR. 6B51. HE FOUND APPROX 2 PINT UNKNOWN OIL ON 500 GALLONS WATER BETWEEN ALL 4 STRUCTURE. STRUCTURES ARE TIED VIA WEEP HOLE. THESE TRANSF WILL BE REMOVED OR REPLACED. THIS WILLNOT GO ON 24 HRS DEMINIMIS PROGRAM DUE TO TRANSF REPLACEMENTS. ERT S. MAHONEY STATED ALL 4 STRUCTURE COULD BE PUT ON ONE INCIDENT. NETWORK CREW WILL PRESSURE TEST ALL 3 TRANSF. HISTORICAL RECORD FOR THE TRANSF ARE V4187 0-PPM LAST TESTED 12-8-99. V1535 0-PPM LAST TESTED 1-25-95 AND V1514 1- PPM LAST TESTED 9-10-98 . THERE IS/WAS NO FIRE OR SMOKE AT THIS LOCATION. THERE IS A SUMP PUMP IN STRUCTURE. SUMP PUMP IS DEFECTIVE AND THEY FOUND IT DISCONNECTED. THERE WAS NO SIGNS OF OIL IN PUMP PIPING.LIQUID SEEMS CONTAINED AT THIS TIME NO SEWERS OR WATERWAYS AFFECTED. ONLY OIL FILLED EQUIPMENT IN STRUCTURES ARE THE TRANSF. HE TOOK A LIQUID SAMPLE AND REQUESTED EMERG PRIORITY FOR PCB SAMPLE RESULTS. CLEANUP PENDING SAMPLE RESULTS AND THE REMOVALOF TRANSF. UPDATE - 11-JUN-2002 13:45 HRS. EQUIP. GROUP DEPT. OPER. SUPV. G.PALLADINO EMP# 46015 VAULT #1487 - UNIT PRESSURE TESTED & PASSED. PCB HISTORICAL <1.PPM 1996. VAULT #1429 - NO UNIT IN STRUCTURE. VAULT # 1514 - UNIT PRESSURE TESTED& PASSED. PCB HISTORICAL 1.PPM 1998. VAULT # 1535 - UNIT PRESSURE TESTED & PASSED. PCB HISTORICAL 9.PPM 1993. UPDATE @ 2002 HRS 6/11 LAB RESULTS RECEIVED SEQ #02-05441-001 @ <1PPM PCB. update @ 0530 hrs 6/13 k. hufford reports double washedstructure with bio gen 760 sump found cemented. tag #29671 removed. cleanup completed. Update - 06- 13- 02 11: 00 hrs. Cleanup completed by double washing structure with bulldog. Liquids were removed by tanker and solids were removed by vactor.No leaking company equipment. END DECRemark - 0202606

Remarks: Start CallerRemark - 0202606 2 pints on 500 gal of water..spread through out the 4 vaults. samples taken clean up pending. ref # 143291. END CallerRemark - 0202606

AE160 **5 GAL COOLANT FROM CONED VEHICLE** **NY Spills** **S108130833**
ENE **ASH STREET / MCGUINNESS BLVD** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.358 mi.
1888 ft. **Site 4 of 5 in cluster AE**

Relative:
Lower

Actual:
4 ft.

NY Spills:

Site ID:	370116
Facility Addr2:	11 STREET CONDUIT TUNNEL
Facility ID:	0606729
Spill Number:	0606729
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	GDBREEN
Referred To:	Not reported
Spill Date:	09/12/06
Reported to Dept:	09/12/06
CID:	444
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False

5 GAL COOLANT FROM CONED VEHICLE (Continued) **S108130833**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/21/06
Remediation Phase:	0
Date Entered In Computer:	09/12/06
Spill Record Last Update:	12/21/06
Spiller Name:	ERTS
Spiller Company:	CON EDISON
Spiller Address:	11TH STREET CONDUIT TUNNE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Spiller Phone:	(212) 580-8383
Contact Name:	ERTS
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0606729
DER Facility ID:	319969
Site ID:	370116
Operable Unit ID:	1127944
Operable Unit:	01
Material ID:	2117551
Material Code:	0043A
Material Name:	ANTIFREEZE
Case No.:	Not reported
Material FA:	Other
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0606729 12/21/06 - See e-docs for Con Ed report detailing cleanup and closure. 202422. see eDocs END DECRemark - 0606729
Remarks:	Start CallerRemark - 0606729 1/2 GALLON SPILLED ON BLUESTONE: CONED # 202422 END CallerRemark - 0606729

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161 South 1/4-1/2 0.366 mi. 1935 ft.

101-105 WEST STREET
101-105 WEST STREET, BROOKLYN
BROOKLYN, NY 11222

VCP **S108524782**
N/A

Relative: Higher

Actual: 13 ft.

VCP:

Program Type:	VCP
Site Code:	57559
Assessment:	Soils contaminated with metals and semi-volatile organic compounds were identified at this site. Contaminated soils have either been excavated and disposed of offsite or are covered by a concrete slab or the onsite building. Groundwater has not been impacted, however, the area is served by a public water supply. Volatile organic compounds were not detected at this site, therefore, exposures associated with soil vapor intrusion are unlikely.
Env Problems:	The contaminants of concern in soil at the site were Semi Volatile Organic Compounds (SVOCs)and heavy metals. The groundwater has not been impacted by the contaminants. In 1998, the Pase I and Phase II Environmental Site Aassessment have revealed that the contaminants of concern in soil were above TAGM 4046 RSCO. The SVOCs had excedences ranging from non detected to Benzo(a)anthracene 43ppm, benzo(a)fluoranthene 1500ppm, benzo(b)fluoranthene 41ppm, benzo(k)fluoranthene 26ppm, benzo(a)pyrene 41ppm, Chrysene 38ppm,Dibenzofuran 12ppm. Some of the havy metal excedences were Arsenic 52ppm, Selenium 5.6ppm,

101-105 WEST STREET (Continued) **S108524782**

Chromium 49ppm, Cadmium 12.5ppm, Lead 1930ppm,Zinc 1490ppm, Mercury 3.5ppm. The source was presumed to be in the fill material and also produced by uncontrolled dumping. During the remedial phase, the site has been excavated and the end point samples showed that the concentrations of the contaminats levels were very close to TAGM 4046 RSCO. The excavation has been backfilled with clean soil. The remediation was completed in 2002.

Site Desc: 101-105 West Street is located in the Greenpoint area of Brooklyn, NY 10310, Block 2556, Lot 58. The site is a 0.2-acre parcel used as a construction material storage yard. It is located between Kent Street and Java Street, on the west side of WestStreet. A commercial property borders the site to the east. The intended use of the site remains to be a construction material storage yard. The surrounding uses are mainly residential with some commercial divisions. Contamination at the site waspredominantly in the soil and represented by Semi Volatile Organic Compounds and metals, and resulted from historic fill and uncontrolled dumping of oil and oil-related products from trucks loading construction materials. The Remedial Investigationwork plan was approved in 1999 and the RI was completed in 2000. The groundwater is 8-10 feet below ground. The soil is sandy and it is covered with 3-4 feet of fill material. The Remedial Work Plan was approved in 2001 and the field remedial workwas completed in 2002. The remedy involved excavation of the entire site and off site disposal. Clean backfill material has been placed in the former excavation. Remedial work at the site is completed.

AF162 **PULASKI SVCE STATION** **FINDS** **1000158146**
ESE **321 MCGUINESS BOULEVARD** **HIST UST** **NYD095772919**
1/4-1/2 **BROOKLYN, NY 11222** **NY Spills**
0.369 mi. **NY Hist Spills**
1948 ft. **Site 1 of 2 in cluster AF** **RCRA-CESQG**

Relative:
Higher

Actual:
13 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST UST:

PULASKI SVCE STATION (Continued) **1000158146**

PBS Number:	2-600693
SPDES Number:	Not reported
Emergency Contact:	GUS KODOGIANNIS
Emergency Telephone:	(718) 389-4483
Operator:	PULASKI SERVICE CENTER
Operator Telephone:	(718) 389-4483
Owner Name:	PULASKI SERVICE STATION INC
Owner Address:	321 MCGUINNESS BLVD
Owner City,St,Zip:	BROOKLYN, NY 11222
Owner Telephone:	(718) 389-4483
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	PULASKI SERVICE STATION INC
Mailing Address:	321 MCGUINNESS BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11222
Mailing Contact:	GUS KODOGIANNIS
Mailing Telephone:	(718) 389-4483
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	321 MCGUINNESS BLVD
SWIS ID:	6101
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/28/2001
Expiration Date:	03/24/2007
Renew Flag:	False
Renewal Date:	20011113
Total Capacity:	24000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	61
Town or City:	01
Region:	2
Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19991201
Capacity (gals):	8000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground

PULASKI SVCE STATION (Continued) **1000158146**

Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	14
Overfill Prot:	High Level Alarm, Catch Basin
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	1
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19870401
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	34
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	Fiberglass Liner (FRP)
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	In-tank System
Overfill Prot:	Automatic Shut-Off
Dispenser:	Submersible
Date Tested:	03/01/1997
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	2
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19870401
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	34
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	Fiberglass Liner (FRP)
Pipe External:	Fiberglass

PULASKI SVCE STATION (Continued) **1000158146**

Second Containment:	Vault (w/access)
Leak Detection:	In-tank System
Overfill Prot:	Automatic Shut-Off
Dispenser:	Submersible
Date Tested:	03/01/1997
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	3
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19870401
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	34
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	Fiberglass Liner (FRP)
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	In-tank System
Overfill Prot:	Automatic Shut-Off
Dispenser:	Submersible
Date Tested:	03/01/1997
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	4
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19870401
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	34
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	Fiberglass Liner (FRP)
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	In-tank System
Overfill Prot:	Automatic Shut-Off

PULASKI SVCE STATION (Continued) **1000158146**

Dispenser:	Submersible
Date Tested:	03/01/1997
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

NY Spills:

Site ID:	125566
Facility Addr2:	Not reported
Facility ID:	9908882
Spill Number:	9908882
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	kkchanda
Referred To:	GW MONITORING REPORT BY 2/29/08.
Spill Date:	10/21/99
Reported to Dept:	10/21/99
CID:	14
Spill Cause:	Human Error
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	/ /
Remediation Phase:	1
Date Entered In Computer:	10/21/99
Spill Record Last Update:	01/15/08
Spiller Name:	Not reported
Spiller Company:	TULLY CONSTRUCTION
Spiller Address:	Not reported
Spiller City,St,Zip:	QUEENS, NY
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	HEDY KODOGIANNIS
Contact Phone:	(718) 389-4483
DEC Region:	2
Program Number:	9908882
DER Facility ID:	330319
Site ID:	125566
Operable Unit ID:	1087568
Operable Unit:	01
Material ID:	297982
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum

PULASKI SVCE STATION (Continued) **1000158146**

Quantity: 1000.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9908882 8/3/05 File review (KMF): 10/21/99 Rommel Notes: Spoke to Mr. Kodogiannis. At 8am leak detector went off for diesel tank. He called maintenance. Apparently, Tully Construction may have ruptured line from submersible pump to dispenser island. Piping is double walled. Breaking up concrete now. Unknown exact amount lost. Have to do inventory. Maybe 500gal because pumped diesel from 8am-3pm. Diesel turned off since 3pm. Amoco S/S between Huron and Greene St. Not registered in database. Independent Amoco. Piping should be exposed in 1hr. Invoice from Alvin Petroleum dated 10/21/99. Alvin was called on location on a diesel pump out of order. Traced out electric and found OK. Checked STP motor and leak detector, found OK. Found possible problem underground. Suggest line test. Tank installation details provided by Keith Culley, Crawford. K. Culley got the info from Jan Sienkiewicz, President of Arek Petro Corp (50 Division Place, Bklyn NY 11222 (718-486-0011, 718-486-0022 fax)). 12/22/99 NYCDEP permitted dewatering for tank installation. There are water tank waste sampling data submitted by Geologic Services Corp. for Arek.

---------- 04/12/04 TRANSFERRED FROM TIBBE TO VOUGHT. 8/3/05 Reassigned from Vought to Foley. Foley is PM for adjacent property at 305-319 McGuinness Blvd (Spill #0400807). 06/20/06: Re-assigned from Foley to Yau. (Yau)07/05/06: Prepared and sent an old spill letter to the property owner through certified mail. A site investigation report (SIR) is mandated by 08/05/06. (Yau) 07/10/06: Received invoice bills from property owner showing removal of contaminated soil and collection of groundwater samples. Waiting for laboratory results for collected samples. (Yau) 08/29/2006: Chris Tomasello called and inquired if our case file has any site investigaton report or tank closure report. Told him our file only has a tank installation report. Chris would like a copy of the installation report. After speaking to Joe, Chris must file a FOIL Request before we can send him a copy. Chris can come in and take a look if he prefers. Agreed that an investigation will be conducted since no report is available regarding the site status. (Yau) 10/16/06 Re-assigne from Yau to Chanda (Chanda) 10/31/06 Kartik Chanda of DEC called property owner(Mr. Gus Kodogiannis) to get updated information regarding this spill case. 10/31/06 Chanda receaved a phone call from Mr.Christofer (ASR) and inquired if our case file has any site investigation report or tank closure report. 11/15/06: Chanda sent a letter to the RP (Gus Kodogiannis), requireing taht a Site Investigation Report be submitted to DEC for review by 12/15/2006. 12/21/06: Chanda spoke with Mr. C. Tomasello (ASR) to get update information regarding this site. He stated that the investigation work is going and he needtime extension to submit SIR. 12/21/06: Chanda received a time extension request by email from Chris Tomasello (ASR). 12/26/06: Chanda approves the time extension request based on the reasons presented. An investigation summary report is due to March 15,2007. 3/16/07: Chanda received an electronic copy of the Site Investigation Summary Report for Pulaski service Station by email from ASR. 3/26/07: Chanda received a hard copy of the Site Investigation Summary Report for Pulaski Service Station on 3/26/07. 4/10/07: Chanda reviewed the Investigation Summary Report and has the following comments: 1. ASR is suggested that it is highly likely that the contamination detected in the site was emanated from the adjacent, up-gradient, former Getty site(i.e., at 305 McGuinness Blvd.). but, DEC's review of the report shows that the adjacent site at 305 McGuinness is not up-gradient, but cross-gradient of the subject site

PULASKI SVCE STATION (Continued) **1000158146**

based on the GW flow direction. 2. The edge of total VOC plume emanating from the adjacent site is about 100-250 ppb, while the total VOC concentration detected in MW ASR-3 of the subject site is 5,540 ppb. This shows that the contamination at the subject is not from the adjacent site. Based onthe above reasons,the Department requires the followings: 1. Delineation of soil and groundwater contamination. 2. Submit the tank tightness and pressure test perform prior to March 11, 1997, and repair work performed on the tanks and associates fuel lines prior to March 11, 1997. 4/10/07: Kartik Chanda of DEC sent a letter to RP (Gus Kodogiannis) and his consultant (Chris Tomassello), requiring that the above documents must be submitted to the Department for review by June 10, 2007.6/12/07: Chanda called to Steven Muller, ASR, to get updated information regarding the site, and left message. 6/19/07: Chanda received an investigation work plan (IWP) from Advanced Site Restoration LLC(ASR)on 6/14/07. The IWP is proposed threemonitoring well installation to delineate soil and/or groundwater contamination at the site. On 6/18/07, Chanda reviewed and approved the IWP with one additional soil boring/ monitoring well; the additional well will be determined that the contamination source come from upgradient another spill case or not. On 6/19/07, Chanda sent an approval letter to RP (Mr. Gus Kodogiannis) and his consultant (ASR), requiring that an investigation summary report be submitted to DEC for review by 8/18/07.9/6/07: Chanda received a Final Investigation Summary Report (FISR) from Advanced Site Restoration, LLC., dated July 2007. 10/16/07: Chanda reviewed the final Investigation Summary report and has the following comments: 1. The soil analyticalresults from soil borings ASR-4, ASR-5, ASR-6 and ASR-7 showed elevated levels of VOCs. The levels of BTEX concentration ranged 64 ppb to 22,900 ppb. The levels of MTBE concentrations ranged from 00 ppb to 1,200 ppb. 2. The groundwater (GW) analytical results showed elevated levels of VOCs for monitoring wells ASR-4, ASR-5, ASR-6 and ASR-7. The levels of BTEX concentrations ranged from 883 ppb to 4,860 ppb. The levels of MTBE concentrations ranged from 160 to 630 ppb. 10/24/07: Chanda visited the site and meets with RP and his consultant, Steven Muller and Richard Levato of Advanced Site Restoration, LLC(ASR).Chanda discuss about the findings of investigation. It is concluded that they will submit the Test Results on USTs and will search the sources of contamination on/off-site area. 1/14/08: Chanda received an email (see eDocs) from Steve Muller, ASR regarding the site updated information. He stated that a GW monitoring report will be submit to DEC as soon as possible for review. END DECRemark - 9908882

Remarks: Start CallerRemark - 9908882 construction work on the road ifo the gas station workers hit the underground fuel line fuel is seeping into the ground no clean up is underway at this point END CallerRemark - 9908882

NY Hist Spills:

Region of Spill:	2
Spill Number:	9908882
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/21/1999 15:00
Reported to Dept Date/Time:	10/21/99 15:16
SWIS:	61
Spiller Name:	TULLY CONSTRUCTION
Spiller Contact:	Not reported
Spiller Phone:	Not reported

PULASKI SVCE STATION (Continued) **1000158146**

Spiller Contact: HEDY KODOGIANNIS
Spiller Phone: (718) 389-4483
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Human Error
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 05
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/21/99
Date Spill Entered In Computer Data File: Not reported
Update Date: 02/11/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1000
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: construction work on the road ifo the gas station workers hit the underground fuel line fuel is seeping into the ground no clean up is underway at this point

RCRA-CESQG:
Date form received by agency: 01/01/2006
Facility name: PULASKI SVC STA
Facility address: 321 MCGUINESS BLVD
BROOKLYN, NY 112221817
EPA ID: NYD095772919
Mailing address: MCGUINESS BLVD
BROOKLYN, NY 11222

PULASKI SVCE STATION (Continued) **1000158146**

Contact: -
Contact address: MCGUINESS BLVD
BROOKLYN, NY 11222
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 07/08/1999
Facility name: PULASKI SVC STA
Classification: Not a generator, verified

Date form received by agency: 10/10/1989
Facility name: PULASKI SVC STA
Classification: Large Quantity Generator

Violation Status: No violations found

AE163 **11TH ST CONDUIT** **NY Spills** **S104282700**
ENE **460-456 MCGUINESS BLVD** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.370 mi.
1951 ft. **Site 5 of 5 in cluster AE**

Relative:
Lower

Actual:
3 ft.

NY Spills:

Site ID:	71351
Facility Addr2:	Not reported
Facility ID:	9908111
Spill Number:	9908111
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	10/04/99
Reported to Dept:	10/04/99
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/10/08
Remediation Phase:	0
Date Entered In Computer:	10/04/99
Spill Record Last Update:	01/10/08
Spiller Name:	SAME
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9908111
DER Facility ID:	67527
Site ID:	71351
Operable Unit ID:	1082399
Operable Unit:	01
Material ID:	300794
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9908111 01/10/08 - See eDocs for Con Ed report detailing

11TH ST CONDUIT (Continued) **S104282700**

cleanup and closure. END DECRemark - 9908111

Remarks: Start CallerRemark - 9908111 SPEDES VIOLATION - 17PPM OF OILY WATER MIXTURE IN A HOLDING TANK - CASE #128225 END CallerRemark - 9908111

NY Hist Spills:

Region of Spill:	2
Spill Number:	9908111
Investigator:	COMENALE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/04/1999 09:00
Reported to Dept Date/Time:	10/04/99 14:03
SWIS:	61
Spiller Name:	CON EDISON
Spiller Contact:	SAME
Spiller Phone:	( ) -
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003-
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	10/04/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	02/10/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False

11TH ST CONDUIT (Continued) **S104282700**

Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: SPEDES VIOLATION - 17PPM OF OILY WATER MIXTURE IN A HOLDING TANK - CASE 128225

AG164
ESE
1/4-1/2
0.370 mi.
1955 ft.

MICHAEL FERONE (BRICK) CO.
247 GREENE ST
BROOKLYN, NY 11222

SWF/LF **S105841912**
N/A

Site 1 of 2 in cluster AG

Relative:
Equal

Actual:
12 ft.

SWF/LF:
Flag: INACTIVE
Secondary Addr: Not reported
Region Code: 2
Phone Number: 7183830843
Owner Name: Not reported
Owner Type: Not reported
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: Not reported
Owner Email: Not reported
Owner Phone: Not reported
Contact Name: MICHAEL FERONE; OWNER
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Email: Not reported
Contact Phone: Not reported
Activity Desc: C&D processing - registered
Activity Number: 24W65
Active: No
East Coordinate: 588505
North Coordinate: 4509775
Accuracy Code: Not reported
Regulatory Status: Not reported
Waste Type: Not reported
Authorization #: 2-6101-00003
Authorization Date: Not reported
Expiration Date: Not reported

AH165
ESE
1/4-1/2
0.371 mi.
1961 ft.

MCGUINESS / HURON AV
BROOKLYN, NY

NY Spills **S104787332**
NY Hist Spills **N/A**

Site 1 of 2 in cluster AH

Relative:
Higher

Actual:
13 ft.

NY Spills:
Site ID: 232184
Facility Addr2: Not reported
Facility ID: 0004605
Spill Number: 0004605
Facility Type: ER

(Continued) **S104787332**

SWIS:	2401
Region of Spill:	2
Investigator:	MCTIBBE
Referred To:	Not reported
Spill Date:	07/17/00
Reported to Dept:	07/17/00
CID:	270
Spill Cause:	Traffic Accident
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/28/00
Remediation Phase:	0
Date Entered In Computer:	07/17/00
Spill Record Last Update:	12/28/00
Spiller Name:	CALLER
Spiller Company:	NYC TRANSIT
Spiller Address:	370 JAY ST
Spiller City,St,Zip:	BROOKLYN, NY -
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0004605
DER Facility ID:	191345
Site ID:	232184
Operable Unit ID:	825757
Operable Unit:	01
Material ID:	549342
Material Code:	0043A
Material Name:	ANTIFREEZE
Case No.:	Not reported
Material FA:	Other
Quantity:	4.00
Units:	Gallons
Recovered:	1.00
Resource Affected:	Sewer
Oxygenate:	False
DEC Memo:	Start DECRemark - 0004605 Prior to Sept, 2004 data translation this spill Lead DEC Field was "TIBBE" 12/28/00 - SPILL FROM RUPTURED BUS HOSE. ALL WENT INTO SEWER. POSSIBLE DEP VIOLATION. END DECRemark - 0004605
Remarks:	Start CallerRemark - 0004605 traffic accident causd spill clean up crew on the way END CallerRemark - 0004605

NY Hist Spills:

Region of Spill:	2
Spill Number:	0004605
Investigator:	TIBBE

(Continued) **S104787332**

Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/17/2000 13:00
Reported to Dept Date/Time:	07/17/00 14:41
SWIS:	61
Spiller Name:	NYC TRANSIT
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Address:	370 JAY ST
Spiller City,St,Zip:	BROOKLYN, NY -
Spill Cause:	Traffic Accident
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	07
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/28/00
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/17/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	12/28/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Hazardous Material
Quantity Spilled:	4
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	1
Unkonwn Quantity Recovered:	False
Material:	ANTIFREEZE
Class Type:	ANTIFREEZE
Times Material Entry In File:	0
CAS Number:	Not reported
Last Date:	Not reported

(Continued) **S104787332**

DEC Remarks: 12/28/00 - SPILL FROM RUPTURED BUS HOSE. ALL WENT INTO SEWER. POSSIBLE DEP VIOLATION.
Remark: traffic accident causd spill clean up crew on the way

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AG166 **FORMER WASTE TRANSFER STATION** **LTANKS** **S105995441**
ESE **247-251 GREEN ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.372 mi.
1962 ft. **Site 2 of 2 in cluster AG**

Relative:
Equal

Actual:
12 ft.

LTANKS:

Site ID:	278817
Spill Date:	03/21/02
Facility Addr2:	Not reported
Facility ID:	0112015
Program Number:	0112015
SWIS:	2401
Region of Spill:	2
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	03/21/02
CID:	14
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/27/05
Remediation Phase:	0
Date Entered In Computer:	03/21/02
Spill Record Last Update:	01/27/05
Spille Namer:	SHARIMA RYAN
Spiller Company:	Not reported
Spiller Phone:	(845) 348-6355
Spiller Extention:	Not reported
Spiller Address:	247-251 GREEN ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	SHARIMA RYAN
Spiller Phone:	(845) 348-6355
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	0112015
DER Facility ID:	226388
Site ID:	278817
Operable Unit ID:	848960
Operable Unit:	01
Material ID:	526029
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum

FORMER WASTE TRANSFER STATION (Continued) **S105995441**

Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

AI167 **MANHOLE 19726** **NY Spills** **S104787133**
North **54TH AVE / 2ND ST** **NY Hist Spills** **N/A**
1/4-1/2 **QUEENS, NY**
0.373 mi.
1968 ft. **Site 1 of 2 in cluster AI**

Relative:
Lower

Actual:
3 ft.

NY Spills:

Site ID:	263301
Facility Addr2:	Not reported
Facility ID:	0004377
Spill Number:	0004377
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	07/12/00
Reported to Dept:	07/12/00
CID:	205
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/20/04
Remediation Phase:	0
Date Entered In Computer:	07/12/00
Spill Record Last Update:	04/20/04
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	999
Spiller Phone:	Not reported

MANHOLE 19726 (Continued) **S104787133**

Contact Name: CALLER
Contact Phone: Not reported
DEC Region: 2
Program Number: 0004377
DER Facility ID: 214636
Site ID: 263301
Operable Unit ID: 826922
Operable Unit: 01
Material ID: 549116
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 25.00
Units: Gallons
Recovered: 0.00
Resource Affected: Sewer
Oxygenate: False
DEC Memo: Start DECRemark - 0004377 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" DEC Inspector notes: 7/12/00: During routine maintenance check of manhole found approx. 25 gallons oil from unknown source. There is 345 kV feeder in manhole, but no known leaks. OIl appears old - weathered. Corporate tanker (over 50 ppm) is on-site, but waiting for Clean Harbors to respond. S&TO is responsible organization. Chem Lab has taken samples. Located on NY Waterway property. (JHO) e2mis no. 132330: FDR Q35L&M and discovered 25 gallons of what appears to be old oil on top of 1,000 gallons of water inside MH 19726. Clean up pending lab results. Lab Seq # 00-06729 PCB <1 ppm Clean Harbors reported to location and double washed manhole. MAnhole was treated as 50-499ppm PCB since the lab reports were not ready. Con Ed tanker removed liquids from manhole. FOUND OIL ON 2" CAP ON FEEDER Q35L. INSTALLED TIFLON AND NIPPLE AND RE-INSTALLED2" CAP. END DECRemark - 0004377
Remarks: Start CallerRemark - 0004377 25 gallons on 1000 gallons water. con ed # 132330 END CallerRemark - 0004377

NY Hist Spills:
Region of Spill: 2
Spill Number: 0004377
Investigator: O'CONNELL
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 07/12/2000 09:45
Reported to Dept Date/Time: 07/12/00 11:11
SWIS: 63
Spiller Name: CON ED
Spiller Contact: Not reported
Spiller Phone: ( ) -
Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Address: 4 IRVING
Spiller City,St,Zip: MANHATTAN, NY
Spill Cause: Unknown
Reported to Dept: In Sewer

MANHOLE 19726 (Continued) **S104787133**

Water Affected: Not reported
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/12/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 07/12/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 25
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: 25 gallons on 1000 gallons water. con ed 132330

AI168
North
1/4-1/2
0.373 mi.
1968 ft.

MANHOLE 19726
54TH AV / 2ND ST
QUEENS, NY

Site 2 of 2 in cluster AI

NY Spills **S104283386**
NY Hist Spills **N/A**

Relative:
Lower

Actual:
3 ft.

NY Spills:
Site ID: 322635
Facility Addr2: Not reported
Facility ID: 9909015
Spill Number: 9909015
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: CAENGELH
Referred To: Not reported
Spill Date: 10/25/99

MANHOLE 19726 (Continued) **S104283386**

Reported to Dept:	10/25/99
CID:	312
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/06/04
Remediation Phase:	0
Date Entered In Computer:	10/25/99
Spill Record Last Update:	02/06/04
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9909015
DER Facility ID:	259913
Site ID:	322635
Operable Unit ID:	1083627
Operable Unit:	01
Material ID:	298114
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9909015 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ENGELHARDT" e2mis no. 128633: 5 gallons of unknown oil on top of 1800 gallons water inside mh 19726. Chem lab reports 99-11222 <1.00ppm PCB and 99-11224 <0.00092 ppm benzene. Source/cause of spill. NO LEAK FOUND X Removed/recovered liquid/solids. X Removed visible traces of oil. X Other : PUMPED OUT MANHOLE INTO CON ED TANKER Cleanup completed on 12/2/99 END DECRemark - 9909015
Remarks:	Start CallerRemark - 9909015 5GAL UNK ON 1800GAL OF WATER - MANHOLE LOCATED IN PARKING LOT OF A FERRY SERVICE - CASE #128633 END CallerRemark - 9909015

NY Hist Spills:

Region of Spill:	2
Spill Number:	9909015
Investigator:	ENGELHARDT
Caller Name:	Not reported
Caller Agency:	Not reported

MANHOLE 19726 (Continued) **S104283386**

Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/25/1999 10:00
Reported to Dept Date/Time:	10/25/99 10:56
SWIS:	63
Spiller Name:	Not reported
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	10/25/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	10/26/99
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	5
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	5GAL UNK ON 1800GAL OF WATER - MANHOLE LOCATED IN PARKING LOT OF A FERRY SERVICE - CASE 128633

169 East 1/4-1/2 0.374 mi. 1976 ft. | **POLYSTYRENE RECYCLING; INC.**
220 DUPONT STREET
BROOKLYN, NY 11222 | **SWRCY** | **S105842285**
N/A

Relative: Lower

Actual: 9 ft.

SWRCY:

Region:	2
Facility Address 2:	Not reported
Phone Number:	2125862717
Owner Type:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	CHRIS MCGRATH
Contact Address:	Not reported
Contact Address 2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Source separated solid waste recyclables
Activity Number:	24M83
Active:	No
East Coordinate:	588600
North Coordinate:	4509900
Accuracy Code:	Not reported
Regulatory Status:	Permit
Permit #:	2-6101-00024
Auth. Date:	Not reported
Expiration Date:	Not reported
Waste Types:	Not reported

AF170 ESE 1/4-1/2 0.377 mi. 1988 ft. | **315 MCGUINESS BLVD**
315 MCGUINESS BLVD
BROOKLYN, NY | **NY Spills**
NY Hist Spills | **S104495324**
N/A

Site 2 of 2 in cluster AF

Relative: Higher

Actual: 13 ft.

NY Spills:

Site ID:	311934
Facility Addr2:	Not reported
Facility ID:	9111459
Spill Number:	9111459
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SULLIVAN
Referred To:	Not reported
Spill Date:	01/13/92
Reported to Dept:	02/06/92
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	08/19/92
Cleanup Meets Std:	True

315 MCGUINESS BLVD (Continued) **S104495324**

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/19/92
Remediation Phase: 0
Date Entered In Computer: 02/12/92
Spill Record Last Update: 03/23/05
Spiller Name: Not reported
Spiller Company: TANNESE REALTY
Spiller Address: 55 JEFFREY PLACE
Spiller City,St,Zip: MANHASSET, NY 11040
Spiller Company: 001
Spiller Phone: Not reported
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 9111459
DER Facility ID: 251625
Site ID: 311934
Operable Unit ID: 965186
Operable Unit: 01
Material ID: 416495
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Pounds
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9111459 3/23/05 See spill file #0400807. Tank closure report submitted by EMS in 8/02. NFA letter issued by K. O'Dowd on 8/19/92.(KMF) END DECRemark - 9111459
Remarks: Start CallerRemark - 9111459 SOIL BORING SHOWED PRODUCT, SHEEN DETECTED IN OTHER WELL. END CallerRemark - 9111459

NY Hist Spills:
Region of Spill: 2
Spill Number: 9111459
Investigator: SULLIVAN
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 01/13/1992 12:00
Reported to Dept Date/Time: 02/06/92 11:11
SWIS: 61
Spiller Name: TANNESE REALTY
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: 55 JEFFREY PLACE
Spiller City,St,Zip: MANHASSET, NY 11040

315 MCGUINESS BLVD (Continued) **S104495324**

Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	05
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	08/19/92
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/19/92
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/12/92
Date Spill Entered In Computer Data File:	Not reported
Update Date:	08/20/92
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	SOIL BORING SHOWED PRODUCT, SHEEN DETECTED IN OTHER WELL.

171
East
1/4-1/2
0.386 mi.
2038 ft.

242 EAGLE ST
BROOKLYN, NY

NY Spills **S106004821**
N/A

Relative:
Lower

Actual:
11 ft.

NY Spills:

Site ID:	247407
Facility Addr2:	Not reported
Facility ID:	0203069
Spill Number:	0203069
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JBVOUGHT

(Continued) **S106004821**

Referred To:	Not reported
Spill Date:	06/23/02
Reported to Dept:	06/23/02
CID:	14
Spill Cause:	Abandoned Drums
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/02/02
Remediation Phase:	0
Date Entered In Computer:	06/23/02
Spill Record Last Update:	08/06/02
Spiller Name:	Not reported
Spiller Company:	UNK -
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0203069
DER Facility ID:	203147
Site ID:	247407
Operable Unit ID:	853906
Operable Unit:	01
Material ID:	520897
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	110.00
Units:	Gallons
Recovered:	110.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0203069 Prior to Sept, 2004 data translation this spill Lead DEC Field was "VOUGHT" Drum Emptied 8/02/2002 REF#9930008 PIN#01036 END DECRemark - 0203069

Remarks: Start CallerRemark - 0203069 2 55 gal drums -moved out of the street and now sitting on the sidewalk - the drums are not leaking END CallerRemark - 0203069

AJ172 **54-08 VERNON BLVD/QUEENS** **NY Spills** **S102662552**
NNE **54-08 VERNON BLVD** **NY Hist Spills** **N/A**
1/4-1/2 **QUEENS, NY**
0.388 mi.
2049 ft. **Site 1 of 3 in cluster AJ**

Relative:
Lower

Actual:
5 ft.

NY Spills:

Site ID:	67977
Facility Addr2:	Not reported
Facility ID:	9103109
Spill Number:	9103109
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	06/17/91
Reported to Dept:	06/18/91
CID:	Not reported
Spill Cause:	Equipment Failure
Water Affected:	NEWTOWN CREEK
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Remediation Phase:	1
Date Entered In Computer:	07/10/91
Spill Record Last Update:	04/02/03
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9103109
DER Facility ID:	64879
Site ID:	67977
Operable Unit ID:	957146
Operable Unit:	01
Material ID:	425569
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
DEC Memo:	Start DECRemark - 9103109 Prior to Sept, 2004 data translation this spill Lead

54-08 VERNON BLVD/QUEENS (Continued) **S102662552**

DEC Field was "O'CONNELL" 10/10/95: This is additional information about material spilled from the translation of the old spill file: SHEEN. 9/17/97: SPILL TRANSFERRED TO O'CONNELL. APPENDIX B SITE NO. 26. ACTUAL CALLER REMARKS ARE AS FOLLOWS: 20" PIPELINE LEAKING #6 F.O. GROUNDWATER & SURFACE WATER AFFECTED. PIPELINE IS NOW FILLED WITH LOW-POUR OIL, WILL REPLACE THE LEAKING SECTION BY FRIDAY. CON ED FOREMAN MR. GERRY MATERAZZO ON SCENE COORDINATING CONTAINMENT & CLEAN-UP. END DECRemark - 9103109

Remarks: Start CallerRemark - 9103109 20' PIPELINE LEAKING #6FO, GROUNDWATER & SURFACE WATER AFFECTED, PIPELINE IS NOW AFFECTED WITH LOW POUR OIL,WILL REPLACE THE LEAKING SECTION,CON ED FOREMAN(MR.MATERAZZO) COORDINATING CLEAN UP. END CallerRemark - 9103109

NY Hist Spills:

Region of Spill:	2
Spill Number:	9103109
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/17/1991 12:00
Reported to Dept Date/Time:	06/18/91 10:30
SWIS:	63
Spiller Name:	CON ED
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	Groundwater
Water Affected:	NEWTOWN CREEK
Spill Source:	01
Spill Notifier:	Local Agency
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/10/91
Date Spill Entered In Computer Data File:	Not reported
Update Date:	11/21/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported

54-08 VERNON BLVD/QUEENS (Continued) **S102662552**

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: SHEEN. 9/17/97: SPILL TRANSFERRED TO O CONNELL. ACTUAL CALLER REMARKS ARE AS FOLLOWS: 20 PIPELINE LEAKING 6 F.O. GROUNDWATER SURFACEWATER AFFECTED. PIPELINE IS NOW FILLED WITH LOW-POUR OIL, WILL REPLACE THE LEAKING SECTION BY FRIDAY. CON ED FOREMAN MR. GERRY MATERAZZO ON SCENE COORDINATING CONTAINMENT CLEAN-UP. 6/3/98: ORIGINALLY ASSIGNED TO KOON TANG,REASSIGNED TO O CONNELL
Remark: 20 PIPELINE LEAKING 6FO, GROUNDWATER SURFACE WATER AFFECTED, PIPELINE IS NOW AFFECTED WITH LOW POUR OIL,WILL REPLACE THE LEAKING SECTION,CON ED FOREMAN MR.MATERAZZO) COORDINATING CLEAN UP.

AJ173 **54TH AVA & VERNON BLVD** **NY Spills** **S103569976**
NNE **54TH AVE / VERNON BLVD** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.389 mi.
2054 ft. **Site 2 of 3 in cluster AJ**

Relative:
Lower

Actual:
5 ft.

NY Spills:
Site ID: 164476
Facility Addr2: Not reported
Facility ID: 9609179
Spill Number: 9609179
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: O'DOWD
Referred To: Not reported
Spill Date: 10/23/96
Reported to Dept: 10/23/96
CID: 270
Spill Cause: Other
Water Affected: Not reported
Spill Source: Tank Truck
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/27/97
Remediation Phase: 0
Date Entered In Computer: 10/23/96
Spill Record Last Update: 03/27/97

54TH AVA & VERNON BLVD (Continued) **S103569976**

Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 9609179
DER Facility ID: 138691
Site ID: 164476
Operable Unit ID: 1037264
Operable Unit: 01
Material ID: 344908
Material Code: 0064A
Material Name: UNKNOWN MATERIAL
Case No.: Not reported
Material FA: Other
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9609179 CALLER SAYS THAT THERE IS A COMPRESSOR ON THE SIDE WALK LEAKING OIL END CallerRemark - 9609179

NY Hist Spills:
Region of Spill: 2
Spill Number: 9609179
Investigator: O'DOWD
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 10/23/1996 08:30
Reported to Dept Date/Time: 10/23/96 08:47
SWIS: 63
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Other
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 08
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /

54TH AVA & VERNON BLVD (Continued) **S103569976**

Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/27/97
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/23/96
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/27/97
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Raw Sewage
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
DEC Remarks: 3/27/97 WENT TO SITE. COULDN T CONFIRM REPORT. BEHIND LIRR. WORKERS DOING WORK IN STREET ON WATER LINES, STREET DUG UP.
Remark: CALLER SAYS THAT THERE IS A COMPRESSOR ON THE SIDE WALK LEAKING OIL

174
ESE
1/4-1/2
0.393 mi.
2076 ft.

CON ED MANHOLE 4313
MC GUINNESS / HURON ST
BROOKLYN, NY

NY Spills **S102147047**
NY Hist Spills **N/A**

Relative:
Equal

Actual:
12 ft.

NY Spills:
Site ID: 160772
Facility Addr2: Not reported
Facility ID: 9307736
Spill Number: 9307736
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: CAENGELH
Referred To: Not reported
Spill Date: 09/24/93
Reported to Dept: 09/24/93
CID: Not reported
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: DEC
Cleanup Ceased: 05/26/95
Cleanup Meets Std: True

CON ED MANHOLE 4313 (Continued) **S102147047**

Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/26/95
Remediation Phase:	0
Date Entered In Computer:	09/29/93
Spill Record Last Update:	09/25/97
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Company:	Not reported
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9307736
DER Facility ID:	135742
Site ID:	160772
Operable Unit ID:	986248
Operable Unit:	01
Material ID:	393985
Material Code:	0017A
Material Name:	PCB OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
DEC Memo:	Start DECRemark - 9307736 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ENGELHARDT" END DECRemark - 9307736
Remarks:	Start CallerRemark - 9307736 NOTICED WHILE DRIVING BY PUMPING DIELECTRIC FLUID FROM VAULT INTO TANKER TRUCK. END CallerRemark - 9307736

NY Hist Spills:

Region of Spill:	2
Spill Number:	9307736
Investigator:	ENGELHARDT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	09/24/1993 15:30
Reported to Dept Date/Time:	09/24/93 17:20
SWIS:	61
Spiller Name:	CON EDISON
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown

CON ED MANHOLE 4313 (Continued) **S102147047**

Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	DEC
PBS Number:	Not reported
Cleanup Ceased:	05/26/95
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/26/95
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	09/29/93
Date Spill Entered In Computer Data File:	Not reported
Update Date:	09/25/97
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	50
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	PCB OIL
Class Type:	PCB OIL
Times Material Entry In File:	1229
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	Not reported
Remark:	NOTICED WHILE DRIVING BY PUMPING DIELECTRIC FLUID FROM VAULT INTO TANKER TRUCK.

175
SE
1/4-1/2
0.394 mi.
2079 ft.

169 KENT ST
169 KENT ST
BROOKLYN, NY

NY Spills **S108765248**
N/A

Relative:
Higher

Actual:
30 ft.

NY Spills:

Site ID:	387252
Facility Addr2:	Not reported
Facility ID:	0750854
Spill Number:	0750854
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	hrpatel
Referred To:	Not reported

169 KENT ST (Continued) **S108765248**

Spill Date:	09/17/07
Reported to Dept:	09/17/07
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	09/19/07
Remediation Phase:	0
Date Entered In Computer:	09/17/07
Spill Record Last Update:	09/19/07
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Spiller Phone:	(646) 621-4725
Contact Name:	GABRIEL BERRIZIN
Contact Phone:	(646) 621-4725
DEC Region:	2
Program Number:	0750854
DER Facility ID:	336670
Site ID:	387252
Operable Unit ID:	1144464
Operable Unit:	01
Material ID:	2134763
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0750854 09/19/07-Hiralkumar Patel. visited site. met Mr. Berrizin. no petroleum odor noticed in basement as well as upstair at ground floor. Mr. Berrizin was smelling oil at time of visit, so used PID. measured 650 ppb in basementand 150 ppb in lobby upstair using PID. as per Mr. Berrizin, building uses gas heating system. no sign of oil tank, stain or seepage through wall. non-petroleum odor may be due to insufficient ventilation. asked Mr. Berrizin to contact NYC DOH for air testing. END DECRemark - 0750854
Remarks:	Start CallerRemark - 0750854 Caller says there has been a strong petroleum smell in his building for about 3 weeks. Smell is strongest in early morning. He wakes up with headache. END CallerRemark - 0750854

176 South 1/4-1/2 0.394 mi. 2081 ft. | **WAREHOUSE FIRE**
GREENPOINT / WEST STREET
BROOKLYN, NY | **NY Spills** | **S107787825**
N/A

Relative: Equal

Actual: 12 ft.

NY Spills:

Site ID:	363380
Facility Addr2:	Not reported
Facility ID:	0601198
Spill Number:	0601198
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SFRAHMAN
Referred To:	Not reported
Spill Date:	05/02/06
Reported to Dept:	05/02/06
CID:	444
Spill Cause:	Other
Water Affected:	EAST RIVER
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/18/06
Remediation Phase:	0
Date Entered In Computer:	05/02/06
Spill Record Last Update:	05/18/06
Spiller Name:	WATCH COMMANDER
Spiller Company:	WAREHOUSE FIRE
Spiller Address:	GREENPOINT & WEST STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(718) 422-8700
Contact Name:	WATCH COMMANDER
Contact Phone:	(718) 422-8700
DEC Region:	2
Program Number:	0601198
DER Facility ID:	313562
Site ID:	Not reported
Operable Unit ID:	Not reported
Operable Unit:	Not reported
Material ID:	Not reported
Material Code:	Not reported
Material Name:	Not reported
Case No.:	Not reported
Material FA:	Not reported
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported
DEC Memo:	Start DECRemark - 0601198 05/05/06 Sharif Rahman- No petroleum product was

WAREHOUSE FIRE (Continued) **S107787825**

involved with the fire, as per current info available from FD & Coast guard.
END DECRemark - 0601198

Remarks: Start CallerRemark - 0601198 SOME IS GOING INTO WATER : IT IS A 7 ALARM FIRE AND COAST GUARD IS IN WATER: END CallerRemark - 0601198

AK177 **24 PAIGE AVENUE** **NY Spills** **S102149356**
ENE **24 PAIGE AVENUE** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.394 mi.
2081 ft. **Site 1 of 5 in cluster AK**

Relative:
Lower

Actual:
8 ft.

NY Spills:

Site ID:	115692
Facility Addr2:	Not reported
Facility ID:	9413588
Spill Number:	9413588
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	01/11/95
Reported to Dept:	01/12/95
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Fire Department
Cleanup Ceased:	01/12/95
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/12/95
Remediation Phase:	0
Date Entered In Computer:	02/01/95
Spill Record Last Update:	08/04/06
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9413588
DER Facility ID:	100794
Site ID:	115692
Operable Unit ID:	1011152
Operable Unit:	01
Material ID:	372334
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum

24 PAIGE AVENUE (Continued) **S102149356**

Quantity: -1.00
Units: Pounds
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9413588 REPORTING PERSON HAD NO INFO- HE RECEIVES ADDRESS RIGHT BE SHELL IN FACILITY- NO IDEA WHAT CAUSED SPILL OR HOW MUCH PRODUCT. REFER TO SPILL #9413568 END CallerRemark - 9413588

NY Hist Spills:
Region of Spill: 2
Spill Number: 9413588
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 01/11/1995 17:00
Reported to Dept Date/Time: 01/12/95 08:13
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Fire Department
PBS Number: Not reported
Cleanup Ceased: 01/12/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/12/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/01/95
Date Spill Entered In Computer Data File: Not reported
Update Date: 12/04/95
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

24 PAIGE AVENUE (Continued) **S102149356**

Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	REPORTING PERSON HAD NO INFO- HE RECEIVES ADDRESS RIGHT BE SHELL IN FACILITY- NO IDEA WHAT CAUSED SPILL OR HOW MUCH PRODUCT. REFER TO SPILL 9413568

178
SSE
1/4-1/2
0.395 mi.
2085 ft.

116 GREENPOINT AVE
116 GREENPOINT AVE
BROOKLYN, NY

NY Spills **S104193269**
NY Hist Spills **N/A**

Relative:
Higher

Actual:
26 ft.

NY Spills:

Site ID:	62114
Facility Addr2:	Not reported
Facility ID:	9904990
Spill Number:	9904990
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	07/27/99
Reported to Dept:	07/27/99
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/30/99
Remediation Phase:	0
Date Entered In Computer:	07/27/99
Spill Record Last Update:	07/30/99
Spiller Name:	Not reported
Spiller Company:	PAINT CONTRACTORS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2

116 GREENPOINT AVE (Continued) **S104193269**

Program Number: 9904990
DER Facility ID: 60255
Site ID: 62114
Operable Unit ID: 1079426
Operable Unit: 01
Material ID: 301308
Material Code: 0055A
Material Name: PAINT
Case No.: Not reported
Material FA: Other
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9904990 caller reports spill to ground, and nothing further. END CallerRemark - 9904990

NY Hist Spills:
Region of Spill: 2
Spill Number: 9904990
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 07/27/1999 10:20
Reported to Dept Date/Time: 07/27/99 10:20
SWIS: 61
Spiller Name: PAINT CONTRACTORS
Spiller Contact: Not reported
Spiller Phone: ( ) -
Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 07
Spill Notifier: Local Agency
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 07/30/99
Corrective Action Plan Submitted: / /

116 GREENPOINT AVE (Continued) **S104193269**

Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/27/99
Date Spill Entered In Computer Data File: Not reported
Update Date: 07/30/99
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: PAINT
Class Type: PAINT
Times Material Entry In File: 431
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10:50 CALLED MS. GRAAM PAINT SPILLED ONTO THE STREET. UNKNOWN AMOUNT. NYCPD AT SCENE. NYCDEP UNIT AT SCENE. DEC referred to dep ha mat. no action to be taken by DEC. DEC Sigona) called DEP Seidenberg) who informed DEC that DEP Baldwin) supervised the cleanup of paint which spilled in the street. The paint was spilled when two 55 gallon drums fell off the truck. The paint contractor hired a ha mat contractor to cleanup paint and drums. see spill no. 9904989
Remark: caller reports spill to ground, and nothing further.

AH179 **VACANT AREA/FORMER GETTY** **NY Spills** **S106385221**
ESE **305-319 MCGUINNESS BLVD** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.395 mi.
2087 ft. **Site 2 of 2 in cluster AH**

Relative:
Higher

Actual:
13 ft.

NY Spills:
Site ID: 210812
Facility Addr2: Not reported
Facility ID: 0400807
Spill Number: 0400807
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: WXSUN
Referred To: TO SUBMIT A REVISED RAP BY 12/30/06.
Spill Date: 04/23/04
Reported to Dept: 04/23/04
CID: 14
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Other
Cleanup Ceased: 08/02/05
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended

VACANT AREA/FORMER GETTY (Continued) **S106385221**

UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Remediation Phase:	4
Date Entered In Computer:	04/23/04
Spill Record Last Update:	11/14/06
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	RACHEL ATAMAN
Contact Phone:	(631) 462-5866
DEC Region:	2
Program Number:	0400807
DER Facility ID:	174780
Site ID:	210812
Operable Unit ID:	882839
Operable Unit:	01
Material ID:	492044
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	True
Site ID:	210812
Operable Unit ID:	882839
Operable Unit:	01
Material ID:	2106582
Material Code:	1213A
Material Name:	MTBE (METHYL-TERT-BUTYL ETHER)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	0.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Not reported
Oxygenate:	True

DEC Memo: Start DECRemark - 0400807 send Cont. Soil Ltr 5/21/04 Assigned to Foley. Rommel 5/21/04 Contaminated soil letter sent by Sangesland on 5/4/04. Rommel received call from Rachel Ataman (631-462-5866) from Hydrotech who said we should have received report. Requested she resend. 5/21/04 Rachel Ataman, Hydrotech, did phase 1, phase 2 and delineation work. Will be sending reports. Working on Remediation Plan. 5/25/04 Received Phase II site assessment(Hydrotech, 4/20/04) and supplemental Phase II letter report(Hydrotech, 5/7/04). Will be sending remediation work plan when it is complete. 6/14/04 Received Remedial Action Plan prepared 6/9/04 by Hydrotech. 7/1/04 Phase II and supplemental site assessment reviewed. VOCs identified in soils around the concrete pad and within the drywells. No levels of any VOCs or SVOCs above TAGM were detected around the floor drain or hydraulic lifts. 6/13/06: Sun approves Supplemtal Remedial Action PLan

VACANT AREA/FORMER GETTY (Continued) **S106385221**

(RAP) dated April 10, 2006and letter report dated June 2, 2006 submitted by Hydro Tech. The approved RAP is to inject 810 pounds of ORC into 40 injection points. The injection points will be situated over 3 rows, each row will have 15 points. The points will be 5 feet apart and the rows will be 17 feet apart, THe rows will be situated on site and along the sidewalk of McGuinness Blvd and Huron Street. (Sun) 7/2/04 RAP reviewed and conditionally approved. Requested two additional well locations, one south(area of SP-11) and one west(area of MW-1) of concrete patch. 7/7/04 Spoke to R. Ataman, Hydrotech. Excavation to begin Thursday 7/8/04. 1/5/05 Spoke to R. Ataman, Hydrotech. Will send groundwater investigation report this week. To alsocheck with owner on property fencing. 1/19/05 Spoke to R. Ataman, Hydrotech. Will be sending groundwater results out tomorrow. 1/21/05 Received Quarterly Status Report (Sept-Nov 2004) from HydroTech. It does not appear from the report that the Remedial Action(as approved on 7/2/04) was implemented. Total BTEX in groundwater ranged from 48ppb(MW-1) to 22590ppb(MW-4). MTBE ranged from ND(MW-1) to 510ppb(MW-3). See spill #9111459, PBS 2-146595. Previously operated as a Getty station(as 315 McGuinness). 3/25/05 STIP issued(certified) and due back on 4/18/05. 4/14/05 STIP returned undeliverable. 4/29/05 Requested that ECO Deo Read III attempt to deliver stip to 390 Berry St. 5/18/05 Site visit. Spoke to Bill, Project Manager from Superior Construction (cell 347-242-1268). Obtained owner info: Isaac Hagar, 217 Havermayer St, Brooklyn NY 11211(718-599-8600). Requested ECO Lakeman attempt to deliver stip to 217 Havemayer Street. Stip due 6/9/05. 5/23/05 Spoke to M. Robbins, Hydro Tech. They are still consultant for Mr. Isaac Hagar. Faxed him a copy of 5/19/05 letter. He will coordinate with Mr. Hagar. 5/24/05 ECO Lakeman attempted delivery at 217 Havemayer and was unable to locate Mr. Hagar. Requested M. Robbins of Hydrotech forward the letter to Mr. Hagar. 5/26/05 Mailed letter to 217 Havemayer by certified mail(7004 1160 0001 8318 4170). 5/27/05 Received Remedial Action Report(HydroTech, 9/10/03) and Quarterly Status Report for 12/04-2/05(HydroTech, 4/11/05). 840 tons of petroleum contaminated soil was excavated in the central and northern portions of the site. The excavation was approximately 65' wide, 36' long, and was extended below the water table. Groundwater was encountered at 4-6'bgs. A total of 1500lbs of ORC was injected into the excavation sidewalls and bottom. Endpoint samples taken from area of excavation ranged from ND to 781040ppb(EP-5) total VOCs. Appears that most of the soil contamination is along the northand eastern sides of excavation(along Huron and McGuinness). No bottom samples taken. Groundwater samples collected on 2/16/05 from six on-site wells. Total VOCs ranged from 13ppb (MW-4) to 12906ppb(MW-6). 6/1/05 Spoke to ECO Chris Valenty.He issued stipulation letter to Mr. Isaac Hagar on 5/20/05. 6/16/05 Email from M. Robbins, Hydrotech. He met with Mr. Hagar who signed Hydrotech's proposal to perform the work described in DEC's most recent letter. Mr. Hagar has not yet paid Hydrotech. M. Robbins gave the stip to Mr. Hagar and told him to sign it. He said he would review it with his lawyer and give it back to M. Robbins next week. 7/7/05 Email from M. Robbins- Hydrotech will be starting field work next week. They will need a letter to obtain sidewalk permits. 8/8/05 Email from R. Ataman, HydroTech. Will install MW south of MW-7. 8/9/05 STIP effective. Investigation summary report due 10/8/05. RAP due 12/7/05. 9/14/05 Received vapor barrier/ventilation system design from HydroTech. 12/9/05 Received report for installation of 6 monitoring wells and 2 samples taken from beneath the building foundation. Only contaminated soil encountered above RSCO, during well installation, was for benzene(166ppb) at SP-6A, 6-8'bgs. Concentrations of VOCs in groundwater were as high as 77724ppb(MW-3) and 51756ppb(MW-2), in the sidewalk to the north, and also in the sidewalk along McGuinness Blvd in MW-5 at 57074ppb. Lower levels of VOCs were detected in the northwest corner of the site, in MW-1, at 7674ppb, and to the east, in MW-4 and MW-6, at 8366ppb and

VACANT AREA/FORMER GETTY (Continued) **S106385221**

14152ppb respectively. In summary, 841 tons of contaminated soil was removed. ORC was injected into the sidewalls and bottom of the tank excavation as a slurry. No VOCs were identified in the two samples collected from excavation. Benzene was the only contaminant detected in soil, in the boring east of the site. HydroTech expects that the elevated concentrations in MWs crossgradientand downgradient of the site will decrease over time due to source removal and ORC injection. Total VOC concentrations decreased from 22710ppb(8/04) to 13ppb(2/05) in former MW-4 and from 4355ppb(8/04) to 1950ppb(2/05) in former MW-2. 12/21/05 Spoke to Rachel Ataman and followed up with email. In order to fully delineate and get a better estimate of the contaminant plume, additional monitoring wells are warranted. Based upon those results and the next quarterly round, a remedial action plan can be submitted. Requested they submit a plan for the additional investigation prior to beginning any field work. 2/27/06 Spoke to R. Ataman, Hyrotech. Report for supplemental investigation condcuted in Jan 2006 submitted via email. Monitoring well MW-8 was installed on the sidewalk along the north side of Huron Street, adjacent to an Exxon gasoline station. Monitoring wells MW-10 through MW-12 were installed into the median in the middle of McGuinness Blvd. MW-10 is located to the south of Huron Street. Monitoring well MW-11 and MW-12 are located to the north of Huron Street downgradient of the Exxon Station. The depth to water ranges from 5.90 feet in MW-4 to 7.26 feet in MW-11. 3/20/06 Spoke to Caroline Cadalso, AdvancedCleanup Technologies(631-293-4992 X21). They are the consultant for Norfolk Bank, the lender for the owner. Inquired about the status of the spill. 4/11/06 Received supplemental RAP for ORC injection prepared by HydroTech. The Area of Concern isthe dissolved phase VOC plume present beneath the northern portion of the site and approximately 50 feet downgradient of the site.The total VOCs are at 8,366ppb in MW-4(located on the northeast corner of the Site) to 77,724 ppb in MW-3(north of theSite on the southern sidewalk of Huron Street). Propose to inject 810 pounds of ORC powder and 874 gallons of water; 20 pounds of ORC powder and 22 gallons of water per hole. Following the injection of the ORC slurry, a groundwater monitoring program will be implemented conducting gauging and sampling on a monthly basis. Samples will be obtained from each well and analyzed for dissolved oygen, dissolved iron and manganese, Redox potential and pH. Additional samples will be obtained from each well on a quarterly basis and analyzed for BTEX and MTBE. 5/3/06 Provided comments on RAP via email to R. Ataman, HydroTech. Requested more information regarding the length of the plume, contaminant mass sorbed to the soil, hydraulic conductivity,radius of influence, and groundwater data used to calculate oxygen demand. I also requested looking into placement of wells outside of the treatment zone to determine the effectiveness of the injections and to ensure groundwater is being treated andnot just migrating. 11/14/06-Sun: Kris Almskog (631-589-6353)of P.W. Grosser Consulting is the new consultant for the RP. He informed DEC today that he recently installed some monitoring wells inside the building and performed quarterly monitoring and sampling of the groundwater. He will submit a revised remedial action plan to RP and DEC for approval. (Sun) END DECRemark - 0400807

Remarks: Start CallerRemark - 0400807 saw no tanks but did do soil samples and they came back over the DEC limit for contamination. No clean up yet need DEC to help with the clean up decisions. They aren't sure where to start or how to go about doing it. END CallerRemark - 0400807

AK180 **MOTIVA ENTERPRISES, LLC** **MOSF UST** **S102633646**
ENE **25 PAIDGE AVENUE** **MOSF AST** **N/A**
1/4-1/2 **BROOKLYN, NY 11222** **MOSF**
0.397 mi.
2097 ft. **Site 2 of 5 in cluster AK**

Relative:
Lower

Actual:
9 ft.

MOSF UST:

Facility ID:	2-1540
SWIS Code:	61
Facility Town:	NEW YORK
Contact Phone:	(718) 383-4066
Emerg Contact:	J.J. ROGERS
Emergency Telephone:	(718) 383-4066
CBS Number:	2-000209
SPDES Num:	0-006131
Total Tanks:	11
Total Capacity:	2244400
Avg Throughput:	1176000
License Stat:	1
Facility Status:	ACTIVE FACILITY
Facility Type:	STORAGE TERMINAL/PETROLEUM DISTRIBUTOR
Prod Xfer Options:	ACD
Expiration Date:	03/31/2004
Applic Rcvd:	02/24/1999
Operator:	M.A. D'ANTONIO
Owner Name:	MOTIVA ENTERPRISES, LLC
Owner Address:	1100 LOUISIANA STREET
Owner City,St,Zip:	HOUSTON, TX 77002-
Owner Telephone:	(713) 277-8000
Owner Type:	Corporate/Commercial
Owner Status:	2
Owner Mark:	Second Owner
Mail To Name:	MOTIVA ENTERPRISES, LLC
Mail To Address:	25 PAIDGE AVENUE
Mail To Address 2:	Not reported
Mail City,St,Zip:	BROOKLYN, NY 11222-
Mail To Contact:	M.A. D'ANTONIO/DAVID BIER
Mail To Telephone:	(718) 383-4066
Legal Agent Name:	Not reported
Legal Agent Address:	Not reported
Legal Agent City,St,Zip:	Not reported
Date Filed:	Not reported

Tank ID:	36
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Install Date:	01/31
Capacity (Gal):	25000
Product:	EMPTY
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	8
Leak Detection:	Groundwater Well
Overfill Protection:	Float Vent Valve

MOTIVA ENTERPRISES, LLC (Continued) **S102633646**

Dispenser:	Submersible
Test Date:	Not reported
Date Closed:	12/90
Latitude:	40|44|00
Longitude:	73|57|00
Status of Data:	Complete
Inspected Date:	06/09/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	37
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Install Date:	01/31
Capacity (Gal):	25000
Product:	EMPTY
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	8
Leak Detection:	Groundwater Well
Overfill Protection:	Float Vent Valve
Dispenser:	Submersible
Test Date:	Not reported
Date Closed:	12/90
Latitude:	40|44|00
Longitude:	73|57|00
Status of Data:	Complete
Inspected Date:	06/09/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	39
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Install Date:	01/31
Capacity (Gal):	25000
Product:	EMPTY

MOTIVA ENTERPRISES, LLC (Continued) **S102633646**

Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	8
Leak Detection:	Groundwater Well
Overfill Protection:	Float Vent Valve
Dispenser:	Submersible
Test Date:	Not reported
Date Closed:	12/90
Latitude:	40|44|00
Longitude:	73|57|00
Status of Data:	Complete
Inspected Date:	06/09/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	C
Tank Location:	UNDERGROUND
Install Date:	12/57
Capacity (Gal):	4000
Product:	DIESEL
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	Other
Leak Detection:	Groundwater Well
Overfill Protection:	None
Dispenser:	Suction
Test Date:	10/92
Date Closed:	00/00
Latitude:	40|44|00
Longitude:	73|57|00
Status of Data:	Complete
Inspected Date:	06/09/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported

MOTIVA ENTERPRISES, LLC (Continued) **S102633646**

Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	D
Tank Location:	UNDERGROUND
Install Date:	12/72
Capacity (Gal):	4000
Product:	DIESEL
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	Other
Leak Detection:	Groundwater Well
Overfill Protection:	None
Dispenser:	Suction
Test Date:	10/92
Date Closed:	00/00
Latitude:	40|44|00
Longitude:	73|57|00
Status of Data:	Complete
Inspected Date:	06/09/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	E
Tank Location:	UNDERGROUND
Install Date:	12/72
Capacity (Gal):	3000
Product:	EMPTY
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	Groundwater Well
Overfill Protection:	None
Dispenser:	Suction

MOTIVA ENTERPRISES, LLC (Continued) **S102633646**

Test Date:	Not reported
Date Closed:	00/00
Latitude:	40|44|00
Longitude:	73|57|00
Status of Data:	Complete
Inspected Date:	06/09/1999
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

MOSF:

Facility ID:	2-1540
Program Type:	MOSF
Dec Region:	2
Expiration Date:	2010/03/31
Tank Status:	Active
UTMX:	588556.2385
UTMY:	4510228.372

MOSF AST:

MOSF Number:	2-1540
SWIS Code:	61
Facility Town:	NEW YORK
Facility Phone:	(718) 383-4066
Emergency Contact Name:	J.J. ROGERS
Emergency Contact Phone:	(718) 383-4066
Total Tanks:	11
Total Capacity:	2244400
Daily Throughput:	1176000
License Status:	MOSF AST
Facility Type:	STORAGE TERMINAL/PETROLEUM DISTRIBUTOR
Product Transfer Operation:	ACD
Facility Status:	ACTIVE FACILITY
Operator Name:	M.A. D'ANTONIO
Owner Name:	MOTIVA ENTERPRISES, LLC
Owner Address:	1100 LOUISIANA STREET
Owner City,St,Zip:	HOUSTON, TX 77002-
Owner Phone:	(713) 277-8000
Owner Type:	Corporate/Commercial
Owner Status:	2
Owner Mark:	Second Owner
Mailing Name:	MOTIVA ENTERPRISES, LLC
Mailing Address:	25 PAIDGE AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11222-
Mailing Contact:	M.A. D'ANTONIO/DAVID BIER
Mailing Phone:	(718) 383-4066
Legal Agent Name:	Not reported
Legal Agent Address:	Not reported
Legal Agent City,St,Zip:	Not reported

MOTIVA ENTERPRISES, LLC (Continued) **S102633646**

LIC Expires:	03/31/2004

Tank ID:	F
Tank Location:	ABOVEGROUND
Install Date:	12/86
Product:	NOS 1,2, OR 4 FUEL OIL
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	8
Leak Detection:	None
Overfill Protection:	24
Dispensing Mthd:	Suction
Test Date:	Not reported
Date Closed:	00/00
Status of Data:	Complete
Capacity (gal):	550
Lat/Long:	40|44|00 / 73|57|00
Federal ID:	Not reported
Inspected Date:	06/09/1999
Inspector:	AS
Renew Date:	12/11/1998
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/1999
Date License Application Received:	02/24/1999
Chemical Bulk Storage Number:	2-000209
Pollution Discharge Elimination System Num:	0-006131
Date Legal Agent Filed with Secretary of State:	Not reported

Tank ID:	G
Tank Location:	ABOVEGROUND
Install Date:	06/88
Product:	EMPTY
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispensing Mthd:	Suction
Test Date:	Not reported

MOTIVA ENTERPRISES, LLC (Continued) **S102633646**

Date Closed:	12/90
Status of Data:	Complete
Capacity (gal):	550
Lat/Long:	40|44|00 / 73|57|00
Federal ID:	Not reported
Inspected Date:	06/09/1999
Inspector:	AS
Renew Date:	12/11/1998
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/1999
Date License Application Received:	02/24/1999
Chemical Bulk Storage Number:	2-000209
Pollution Discharge Elimination System Num:	0-006131
Date Legal Agent Filed with Secretary of State:	Not reported

Tank ID:	41
Tank Location:	ABOVEGROUND
Install Date:	01/48
Product:	UNLEADED GASOLINE
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	2
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Sacrificial Anode
Second Contain:	8
Leak Detection:	Groundwater Well
Overfill Protection:	24
Dispensing Mthd:	Suction
Test Date:	09/96
Date Closed:	Not reported
Status of Data:	Complete
Capacity (gal):	88200
Lat/Long:	40|44|00 / 73|57|00
Federal ID:	Not reported
Inspected Date:	06/09/1999
Inspector:	AS
Renew Date:	12/11/1998
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/1999
Date License Application Received:	02/24/1999
Chemical Bulk Storage Number:	2-000209
Pollution Discharge Elimination System Num:	0-006131
Date Legal Agent Filed with Secretary of State:	Not reported

MOTIVA ENTERPRISES, LLC (Continued) **S102633646**

Tank ID:	42
Tank Location:	ABOVEGROUND
Install Date:	01/48
Product:	UNLEADED GASOLINE
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	2
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Sacrificial Anode
Second Contain:	8
Leak Detection:	Groundwater Well
Overfill Protection:	24
Dispensing Mthd:	Suction
Test Date:	09/96
Date Closed:	Not reported
Status of Data:	Complete
Capacity (gal):	88200
Lat/Long:	40|44|00 / 73|57|00
Federal ID:	Not reported
Inspected Date:	06/09/1999
Inspector:	AS
Renew Date:	12/11/1998
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/1999
Date License Application Received:	02/24/1999
Chemical Bulk Storage Number:	2-000209
Pollution Discharge Elimination System Num:	0-006131
Date Legal Agent Filed with Secretary of State:	Not reported

Tank ID:	43
Tank Location:	ABOVEGROUND
Install Date:	01/50
Product:	UNLEADED GASOLINE
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	2
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Sacrificial Anode
Second Contain:	8
Leak Detection:	Groundwater Well
Overfill Protection:	24
Dispensing Mthd:	Suction
Test Date:	09/96
Date Closed:	Not reported
Status of Data:	Complete

MOTIVA ENTERPRISES, LLC (Continued) **S102633646**

Capacity (gal):	88200
Lat/Long:	40|44|00 / 73|57|00
Federal ID:	Not reported
Inspected Date:	06/09/1999
Inspector:	AS
Renew Date:	12/11/1998
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/1999
Date License Application Received:	02/24/1999
Chemical Bulk Storage Number:	2-000209
Pollution Discharge Elimination System Num:	0-006131
Date Legal Agent Filed with Secretary of State:	Not reported

Click this hyperlink while viewing on your computer to access
9 additional NY_AST_MOS: record(s) in the EDR Site Report.

MOSF:

Facility ID:	2-1540
Program Type:	MOSF
Dec Region:	2
Expiration Date:	2010/03/31
Tank Status:	Active
UTMX:	588556.2385
UTMY:	4510228.372

AK181 **PULASKI BRIDGE** **NY Spills** **S106968774**
ENE **25 PAIDGE AVENUE** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.397 mi.
2097 ft. **Site 3 of 5 in cluster AK**

Relative:
Lower

Actual:
9 ft.

NY Spills:

Site ID:	347604
Facility Addr2:	Not reported
Facility ID:	0503096
Spill Number:	0503096
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SMSANGES
Referred To:	Not reported
Spill Date:	06/14/05
Reported to Dept:	06/14/05
CID:	14
Spill Cause:	Traffic Accident
Water Affected:	NEW TOWN CREEK
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended

PULASKI BRIDGE (Continued) **S106968774**

UST Trust:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/15/05
Remediation Phase:	0
Date Entered In Computer:	06/14/05
Spill Record Last Update:	08/04/06
Spiller Name:	JIM DELELEON
Spiller Company:	MOTIVA ENTERPRISES
Spiller Address:	25 PAIGGE4 AVE
Spiller City,St,Zip:	BROOKLYN, NY 11222
Spiller Company:	001
Spiller Phone:	(917) 682-1189
Contact Name:	JIM DELELEON
Contact Phone:	(917) 682-1189
DEC Region:	2
Program Number:	0503096
DER Facility ID:	215870
Site ID:	347604
Operable Unit ID:	1105308
Operable Unit:	01
Material ID:	1502686
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	7000.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
Site ID:	347604
Operable Unit ID:	1105308
Operable Unit:	01
Material ID:	1502685
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	950.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False

DEC Memo: Not reported

Remarks: Start CallerRemark - 0503096 THIS IS JUST A DRILL!!!!!. VEHICLE THAT HIT THE TRUCK HAD EXPLOSIVES ON IT. THE TRUCK WITH EXPLOSIVE SROSSED THE CENTER LINE AND HIT MOTIVAS TRACTOR TRAILER AND CAUSED IT TO FLIP AND SPILL THE PRODUCTS. END CallerRemark- 0503096

AK182
ENE
1/4-1/2
0.397 mi.
2097 ft.

Relative:
Lower

Actual:
9 ft.

MOTIVA ENTERPRISES LLC
25 PAIDGE AVENUE
BROOKLYN, NY 11222

Site 4 of 5 in cluster AK

CBS UST
CBS AST
LTANKS
NY Spills
AIRS
NY Hist Spills
HIST LTANKS
CBS

S103559501
N/A

CBS UST:

UST_CBS Number:	2-000209
Region:	STATE
ICS No:	2-167909
PBS No:	Not reported
MOSF No:	2-1540
Facility Tel:	(718) 383-4066
Town:	NEW YORK CITY
Operator:	MOTIVA ENTERPRISES LLC
Emergency Contact:	MARIO D'ANTONIO
Emergency Contact Phone:	(718) 383-4066
Certification Date:	11/15/2000
Expiration Date:	11/30/2002
Owner Name:	MOTIVA ENTERPRISES, LLC
Owner Address:	1100 LOUISIANA STREET, SUITE 2200
Owner City,St,Zip:	HOUSTON, TX 77002
Owner Tele:	(718) 383-4066
Owner Type:	Corporate/Commercial
Total Tanks:	4
Facility Type:	RETAIL GASOLINE SALES
Mail To Name:	MOTIVA ENTERPRISES LLC
Mail To Contact:	MARIO D'ANTONIO
Mail To Address:	25 PAIDGE AVENUE
Mail To Address 2:	Not reported
Mail To City,St,Zip:	BROOKLYN, NY 11222
Facility Status:	ACTIVE FACILITY
Mail To Telephone:	(718) 383-4066
SPDES No:	Not reported
Owner Subtype:	Not reported

Tank Number:	52
Date Entered:	04/25/1991
Capacity:	4000
Chemical:	Xylene (mixed)
Tank Closed:	Not reported
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Install Date:	12/90
CAS No:	1330207
Substance:	More than one Hazardous Substance on DEC List
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Internal:	None
Pipe External:	None
Leak Detection:	Vapor Well
2nd Containmt:	Double-Walled
Overfill Protection:	Float Vent Valve
Haz Percent:	20

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Pipe Containment:	None
Tank Error Status:	No Missing Data
Tank Secret:	False
Date Entered:	10:10:26
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6101
Pipe Type:	STEEL/IRON
Cert Flag:	False
Is it There:	False
Is Updated:	False
Owners Mark:	Second Owner
Lat/Long:	40|44|15 / 73|57|20
Renew Date:	08/05/92
Deliquent:	False
Total Capacity:	24014
Date Expired:	11/30/94
Flag:	C
Case No:	Not reported
Federal Amt:	True
Pipe Flag:	False
Reserve Flag:	True

CBS AST:

CBS Number:	2-000209
Region:	STATE
ICS Number:	2-167909
PBS Number:	Not reported
MOSF Number:	2-1540
Telephone:	(718) 383-4066
Facility Town:	NEW YORK CITY
Operator:	MOTIVA ENTERPRISES LLC
Emrgncy Contact:	MARIO D'ANTONIO
Emrgncy Phone:	(718) 383-4066
Expiration Date:	11/30/2002
Owner Name:	MOTIVA ENTERPRISES, LLC
Owner Address:	1100 LOUISIANA STREET, SUITE 2200
Owner City,St,Zip:	HOUSTON, TX 77002
Owner Telephone:	(718) 383-4066
Owner type:	Corporate/Commercial
Facility Type:	RETAIL GASOLINE SALES
Mail Name:	MOTIVA ENTERPRISES LLC
Mail Contact Addr:	25 PAIDGE AVENUE
Mail Contact Addr2:	Not reported
Mail Contact Contact:	MARIO D'ANTONIO
Mail Contact City,St,Zip:	BROOKLYN, NY 11222
Mail Phone:	(718) 383-4066
SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Owner Sub Type:	Not reported

Tank Id:	54
Date Entered:	11/16/1993
Capacity (Gal):	5014
Chemical:	Xylene (mixed)
Tank Closed:	Not reported
Tank Status:	In Service

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Tank Type:	Steel/carbon steel
Install Date:	10/93
Certified Date:	11/15/2000
CAS Number:	1330207
Substance:	More than one Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND
Intrnl Protection:	None
Extrnl Protection:	Painted/Asphalt Coating,Impressed Current
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	3
Pipe Containment:	None
Tank Containment:	Diking
Leak Detection:	None
Overfill Protection:	High Level Alarm,Fiberglass
Haz Percent:	47
Total Tanks:	4
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	6101
Lat/Long:	40|44|15 / 73|57|20
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	08/05/92
Is it There:	F
Deliquent:	F
Date Expired:	11/30/94
Owner Mark:	2
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	08/04/2000
Total Capacity of All Active Tanks(gal):	24014

Tank Id:	51
Date Entered:	11/30/1990
Capacity (Gal):	5000
Chemical:	Xylene (mixed)
Tank Closed:	Not reported
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Install Date:	10/90
Certified Date:	11/15/2000
CAS Number:	1330207
Substance:	More than one Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Intrnl Protection:	None
Extrnl Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Pipe Containment:	Diking
Tank Containment:	Diking
Leak Detection:	None
Overfill Protection:	High Level Alarm
Haz Percent:	55
Total Tanks:	4
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	6101
Lat/Long:	40|44|15 / 73|57|20
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	08/05/92
Is it There:	F
Deliquent:	F
Date Expired:	11/30/94
Owner Mark:	2
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	08/04/2000
Total Capacity of All Active Tanks(gal):	24014

Tank Id:	9
Date Entered:	07/03/1996
Capacity (Gal):	10000
Chemical:	Xylene (mixed)
Tank Closed:	Not reported
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Install Date:	04/95
Certified Date:	11/15/2000
CAS Number:	1330207
Substance:	More than one Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Intrnl Protection:	None
Extrnl Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	1
Pipe Containment:	Diking
Tank Containment:	Diking
Leak Detection:	Concrete Pad w/channels
Overfill Protection:	High Level Alarm
Haz Percent:	44
Total Tanks:	4
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	6101
Lat/Long:	40|44|15 / 73|57|20

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	08/05/92
Is it There:	F
Deliquent:	F
Date Expired:	11/30/94
Owner Mark:	2
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	08/04/2000
Total Capacity of All Active Tanks(gal):	24014

LTANKS:

Site ID:	264922
Spill Date:	05/23/90
Facility Addr2:	Not reported
Facility ID:	9002114
Program Number:	9002114
SWIS:	2401
Region of Spill:	2
Investigator:	LXZIELIN
Referred To:	Not reported
Reported to Dept:	05/23/90
CID:	14
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Remediation Phase:	1
Date Entered In Computer:	05/30/90
Spill Record Last Update:	01/02/08
Spille Namer:	MARIO D'ANTONIO
Spiller Company:	MOTIVA ENTERPRISES
Spiller Phone:	(718) 383-4066
Spiller Extention:	Not reported
Spiller Address:	1100 LOUISIANA STREET
Spiller City,St,Zip:	HOUSTON, TX 77000-2
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9002114
DER Facility ID:	215870
Site ID:	264922
Operable Unit ID:	940222
Operable Unit:	01

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Material ID:	436878
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

Site ID:	264920
Spill Date:	07/25/87
Facility Addr2:	Not reported
Facility ID:	8703522
Program Number:	8703522
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	07/30/87
CID:	14
Spill Cause:	Tank Overfill
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	07/30/87
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/30/87
Remediation Phase:	0
Date Entered In Computer:	07/31/87
Spill Record Last Update:	10/28/03
Spille Namer:	Not reported
Spiller Company:	ISLAND TRANSPORTATION
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	8703522
DER Facility ID:	215870
Site ID:	264920
Operable Unit ID:	907408
Operable Unit:	01
Material ID:	469754
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

NY Spills:

Site ID:	264921
Facility Addr2:	Not reported
Facility ID:	8905525
Spill Number:	8905525
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	09/05/89
Reported to Dept:	09/06/89
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/26/98
Remediation Phase:	0

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Date Entered In Computer: 09/06/89
Spill Record Last Update: 10/28/03
Spiller Name: Not reported
Spiller Company: CENTURY PETROLEUM
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001
Spiller Phone: (718) 383-2070
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 8905525
DER Facility ID: 215870
Site ID: 264921
Operable Unit ID: 933179
Operable Unit: 01
Material ID: 559419
Material Code: 0015A
Material Name: MOTOR OIL
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 8905525 LEAKING VALVES ON TRUCK, SPILL HAS BEEN CONTAINED & CLEANED UP. END CallerRemark - 8905525

Site ID: 185816
Facility Addr2: Not reported
Facility ID: 8709990
Spill Number: 8709990
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: SIGONA
Referred To: Not reported
Spill Date: 02/19/88
Reported to Dept: 02/26/88
CID: 14
Spill Cause: Equipment Failure
Water Affected: Not reported
Spill Source: Major Facility > 400,000 gal
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/28/03
Remediation Phase: 0
Date Entered In Computer: 03/01/88
Spill Record Last Update: 10/28/03

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Spiller Name: MARIO D'ANTONIO
Spiller Company: MOTIVA ENTERPRISE
Spiller Address: 1100 LOUISIANA STREET
Spiller City,St,Zip: HOUSTON, TX 77002-
Spiller Company: 001
Spiller Phone: (718) 383-4066
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 8709990
DER Facility ID: 215870
Site ID: 185816
Operable Unit ID: 915415
Operable Unit: 01
Material ID: 461779
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Groundwater
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 8709990 OIL FOUND IN OBSERVATION WELL SITE #4, (PAD USED IN WELL FOUND TRACE OF OIL 2/26/88). END CallerRemark - 8709990

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

AIRS:

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00001
Process Id: E05EI
Contaminant Name/cas: 100414
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 1.72000002
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00001
Process Id: E05EI
Contaminant Name/cas: 108883
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 22.2999992
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00001
Process Id: E05EI
Contaminant Name/cas: 110543

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 27.3999996
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00001
Process Id: E05EI
Contaminant Name/cas: 1330207
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 8.60000038
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00001
Process Id: E05EI
Contaminant Name/cas: 1634044
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 204.100006
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00001
Process Id: E05EI
Contaminant Name/cas: 71432
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 15.3999996
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00001
Process Id: E05EI
Contaminant Name/cas: VOC
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.71089001
Unit: TON

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00VRU
Process Id: VRUFP
Contaminant Name/cas: 100414
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 46.5999984
Unit: LB

County Fips: 36047
DEC Id: 2610100105

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Emission Unit Id: U00VRU
Process Id: VRUFP
Contaminant Name/cas: 108883
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 593.299987
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00VRU
Process Id: VRUFP
Contaminant Name/cas: 110543
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 681.799987
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00VRU
Process Id: VRUFP
Contaminant Name/cas: 1330207
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 239.5
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00VRU
Process Id: VRUFP
Contaminant Name/cas: 1634044
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 5364.2998
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00VRU
Process Id: VRUFP
Contaminant Name/cas: 71432
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 369.700012
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: U00VRU
Process Id: VRUFP
Contaminant Name/cas: VOC
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 16.81225
Unit: TON

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UADTNK
Process Id: ADTFP
Contaminant Name/cas: 100414
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 4.1999998
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UADTNK
Process Id: ADTFP
Contaminant Name/cas: 108883
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 13.5
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UADTNK
Process Id: ADTFP
Contaminant Name/cas: 110543
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 3.40000009
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UADTNK
Process Id: ADTFP
Contaminant Name/cas: 1330207
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 8.6999998
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UADTNK
Process Id: ADTFP
Contaminant Name/cas: 1634044
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 5.05000019
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UADTNK
Process Id: ADTFP
Contaminant Name/cas: 71432
Epa Control Code: Not reported
Contol Eff: Not reported

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Emissions: 1.77999997
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UADTNK
Process Id: ADTFP
Contaminant Name/cas: VOC
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.47718499
Unit: TON

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UFAC01
Process Id: E02EI
Contaminant Name/cas: 7439921
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.0004
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UFAC01
Process Id: E02EI
Contaminant Name/cas: CO
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.03220999
Unit: TON

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UFAC01
Process Id: E02EI
Contaminant Name/cas: NOX
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.03834999
Unit: TON

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UFAC01
Process Id: E02EI
Contaminant Name/cas: PM10-PRI
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.00291
Unit: TON

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UFAC01
Process Id: E02EI

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Contaminant Name/cas: SO2
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.00023
Unit: TON

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UFAC01
Process Id: E02EI
Contaminant Name/cas: VOC
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.002105
Unit: TON

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UGTANK
Process Id: GDTFP
Contaminant Name/cas: 100414
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 18
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UGTANK
Process Id: GDTFP
Contaminant Name/cas: 108883
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 234
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UGTANK
Process Id: GDTFP
Contaminant Name/cas: 110543
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 288
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UGTANK
Process Id: GDTFP
Contaminant Name/cas: 1330207
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 90
Unit: LB

County Fips: 36047

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

DEC Id: 2610100105
Emission Unit Id: UGTANK
Process Id: GDTFP
Contaminant Name/cas: 1634044
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 2142
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UGTANK
Process Id: GDTFP
Contaminant Name/cas: 71432
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 162
Unit: LB

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UGTANK
Process Id: GDTFP
Contaminant Name/cas: VOC
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 7.4612998
Unit: TON

County Fips: 36047
DEC Id: 2610100105
Emission Unit Id: UFAC01
Process Id: E02EI
Contaminant Name/cas: PM25-PRI
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.0029144
Unit: TON

County Fips: Not reported
DEC Id: 2610100105
Emission Unit Id: Not reported
Process Id: Not reported
Contaminant Name/cas: Not reported
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: Not reported
Unit: Not reported

NY Hist Spills:
Region of Spill: 2
Spill Number: 8905525
Investigator: SULLIVAN
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 09/05/1989 23:00
Reported to Dept Date/Time: 09/06/89 03:48
SWIS: 61
Spiller Name: CENTURY PETROLEUM
Spiller Contact: Not reported
Spiller Phone: (718) 383-2070
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 03
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/26/98
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 09/06/89
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/26/98
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 400
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: 10 W 40 MOTOR OIL. DEC SIGONA REASSIGNED SPILL FROM SULLIVAN
Remark: LEAKING VALVES ON TRUCK, SPILL HAS BEEN CONTAINED CLEANED UP.

Region of Spill: 2
Spill Number: 8709990

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/19/1988 09:00
Reported to Dept Date/Time:	02/26/88 15:00
SWIS:	61
Spiller Name:	SHELL OIL
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	25 PAIDGE AVENUE
Spiller City,St,Zip:	BROOKLYN
Spill Cause:	Unknown
Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	03
Spill Notifier:	Responsible Party
PBS Number:	2-1540
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	03/01/88
Date Spill Entered In Computer Data File:	Not reported
Update Date:	07/18/96
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	0
Test Method:	Not reported
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	11/14/94: HANDEX OPERATING RECOVERY SYSTEM FOR SHELL. MONTHLY REPORTS SENT TO DEC. 07/26/94 REPORT MW-2 HAS 0.56 FEET PRODUCT, MW-26 HAS 0.06 FEET, MW-15

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

HAS FILM).
Remark: OIL FOUND IN OBSERVATION WELL SITE 4, PAD USED IN WELL FOUND TRACE OF OIL 2/26/88).

HIST LTANKS:

Region of Spill:	2
Spill Number:	9002114
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	05/23/1990
Spill Time:	17:36
Reported to Department Date:	05/23/90
Reported to Department Time:	08:50
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	SHELL
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Major Facility 400,000 gallons
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	05/30/90
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	01/26/98
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Spill Cause:	SITE WELL TEST, WELL 2 .13, WELL 4 .004, WELL 9 FILM, WELL 5, WELL 17, WELL 19 .09, WELL 20 FILM.

Region of Spill:	2
Spill Number:	8703522
Investigator:	Not reported
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	07/25/1987
Spill Time:	02:00
Reported to Department Date:	07/30/87
Reported to Department Time:	11:30
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	ISLAND TRANSPORTATION
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	07/30/87
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported

MOTIVA ENTERPRISES LLC (Continued) **S103559501**

Spill Closed Dt: 07/30/87
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/31/87
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 07/31/87
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 10
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: TANK TRUCKER OVERFILLED HIS VEHICLE. SPILL WENT THROUGH DRAIN ON PLATFORM TO THE OIL SEPARATOR. CLEANED-UP.

CBS:
CBS Number: 2-000209
Program Type: CBS
Dec Region: 2
Expiration Date: 2008/11/30
UTMX: 588556.5929
UTMY: 4510161.659

AL183 **MANHOLE 713204** **NY Spills** **S106719406**
ESE **MCGUINESS BLVD/ INDIA ST.** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.404 mi.
2134 ft. **Site 1 of 4 in cluster AL**

Relative:
Higher

Actual:
13 ft.

NY Spills:
Site ID: 123847
Facility Addr2: Not reported
Facility ID: 0402792
Spill Number: 0402792
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: JHOCONNE
Referred To: Not reported
Spill Date: 06/14/04
Reported to Dept: 06/14/04
CID: 444
Spill Cause: Unknown
Water Affected: Not reported

MANHOLE 713204 (Continued) **S106719406**

Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/03/05
Remediation Phase:	0
Date Entered In Computer:	06/14/04
Spill Record Last Update:	01/03/05
Spiller Name:	ERT DESK
Spiller Company:	MANHOLE 713204
Spiller Address:	MCGUINESS BLVD/ INDIA ST.
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(212) 580-8383
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0402792
DER Facility ID:	107336
Site ID:	123847
Operable Unit ID:	886386
Operable Unit:	01
Material ID:	490406
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0402792 e2mis no. 153838: APPX 3 GALS OF UNK OIL ON APPX 2000 GALS OF WATER IN THE STRUCTURE. TOOK 2 LIQUID SAMPLES. LSN: 04-04613-001 - PCBs < 1 ppm LSN: 04-04614-001 - Analysis indicates the presence of a substance similarto a dielectric fluid. Clean Harbors power washed structure and removed 3200 gallons of material. Cleanup completed on 7/29/04. Cause of spill unknown. END DECRemark - 0402792
Remarks:	Start CallerRemark - 0402792 2000 GALLONS OF WATER(ON THIS), NO TO THE 5 QUESTIONS ABOUT WATERWAYS... END CallerRemark - 0402792

AL184 **MANHOLE 71304** **NY Spills** **S104652969**
ESE **MCGUINNESS BL/INDIA ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.404 mi.
2134 ft. **Site 2 of 4 in cluster AL**

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	299651
Facility Addr2:	Not reported
Facility ID:	0002190
Spill Number:	0002190
Facility Type:	ER

MANHOLE 71304 (Continued) **S104652969**

SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	05/22/00
Reported to Dept:	05/22/00
CID:	382
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/24/04
Remediation Phase:	0
Date Entered In Computer:	05/22/00
Spill Record Last Update:	03/24/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	BILL MURPHY
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0002190
DER Facility ID:	242402
Site ID:	299651
Operable Unit ID:	824101
Operable Unit:	01
Material ID:	550562
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	6.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0002190 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" e2mis no. 131520: There is approx. 6 gallons of unknown oil and 5,000 gallons of water in manhole. Cleanup pending samples results. SampleID No. 00-05044 PCB 1 ppm PUMPED OUT MH WITH CON ED TANKER ON 5/30/00. SOURCE OF SPILL UNKNOWN. END DECRemark - 0002190
Remarks:	Start CallerRemark - 0002190 6 gals oil on 5000 gals of water contained in manhole. clean up pending. con ed 131-520. manhole contains 2 feeders 61 and 63 END CallerRemark - 0002190

NY Hist Spills:

Region of Spill:	2

MANHOLE 71304 (Continued) **S104652969**

Spill Number:	0002190
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/22/2000 09:00
Reported to Dept Date/Time:	05/22/00 09:47
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Contact:	BILL MURPHY
Spiller Phone:	(212) 580-6763
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	05/22/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	05/22/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	6
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported

MANHOLE 71304 (Continued) **S104652969**

Last Date: 19940929
DEC Remarks: Not reported
Remark: 6 gals oil on 5000 gals of water contained in manhole. clean up pending. con ed 131-520. manhole contains 2 feeders 61 and 63

AL185 **MANHOLE #71304** **NY Spills** **S106011538**
ESE **MCGUINNESS BLVD/INDIA ST** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.404 mi.
2134 ft. **Site 3 of 4 in cluster AL**

Relative:
Higher

Actual:
13 ft.

NY Spills:

Site ID:	99683
Facility Addr2:	Not reported
Facility ID:	0211464
Spill Number:	0211464
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	02/16/03
Reported to Dept:	02/18/03
CID:	252
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Remediation Phase:	1
Date Entered In Computer:	02/18/03
Spill Record Last Update:	08/19/04
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	KEVIN MCARDLE
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0211464
DER Facility ID:	88555
Site ID:	99683
Operable Unit ID:	862632
Operable Unit:	01
Material ID:	511251
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum

MANHOLE #71304 (Continued) **S106011538**

Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 0211464 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" END DECRemark - 0211464
Remarks: Start CallerRemark - 0211464 CREW WAS LOOKING FOR A LEAK ON THE RUN OF A FEEDER. UPON SEARCHING MANHOLES OIL WAS DISCOVERED. INVESTIGATION TO CONTINUE. END CallerRemark - 0211464

AL186
ESE
1/4-1/2
0.404 mi.
2134 ft.

AUTO BODY SHOP
300 MCGUINNES BLVD
BROOKLYN, NY

NY Spills **S102560255**
NY Hist Spills **N/A**

Site 4 of 4 in cluster AL

Relative:
Higher

Actual:
13 ft.

NY Spills:
Site ID: 185700
Facility Addr2: Not reported
Facility ID: 9613105
Spill Number: 9613105
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: KSTANG
Referred To: Not reported
Spill Date: 02/05/97
Reported to Dept: 02/05/97
CID: 14
Spill Cause: Human Error
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Citizen
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Remediation Phase: 1
Date Entered In Computer: 02/05/97
Spill Record Last Update: 06/16/06
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: UNKNOWN
Contact Phone: (000) 000-0000
DEC Region: 2
Program Number: 9613105
DER Facility ID: 155320
Site ID: 185700
Operable Unit ID: 1044637

AUTO BODY SHOP (Continued) **S102560255**

Operable Unit:	01
Material ID:	561114
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Sewer
Oxygenate:	False
DEC Memo:	Start DECRemark - 9613105 Prior to Sept, 2004 data translation this spill Lead DEC Field was "MULQUEEN" 06/16/06: This spill is transferred from Mike Mulqueen to Mr. Koon Tang. END DECRemark - 9613105
Remarks:	Start CallerRemark - 9613105 Caller states the body shop owners are pouring used motor oil into a tank that is leaking and has been leaking and no action is taken to correct the problem. caller was an elderly male calling from a pay phone. call back number and name can not be verified. END CallerRemark - 9613105

NY Hist Spills:

Region of Spill:	2
Spill Number:	9613105
Investigator:	MULQUEEN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/05/1997 09:00
Reported to Dept Date/Time:	02/05/97 11:00
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Contact:	UNKNOWN
Spiller Phone:	(000) 000-0000
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Human Error
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /

AUTO BODY SHOP (Continued) **S102560255**

Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/05/97
Date Spill Entered In Computer Data File: Not reported
Update Date: 02/06/97
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: Caller states the body shop owners are pouring used motor oil into a tank that is leaking and has been leaking and no action is taken to correct the problem. caller was an elderly male calling from a pay phone. call back number and name can not be verified.

AK187 **MANHOLE#MH4299** **NY Spills** **S106867107**
ENE **PAIDGE AVE / CLAY STREET** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.407 mi.
2148 ft. **Site 5 of 5 in cluster AK**

Relative:
Lower

Actual:
9 ft.

NY Spills:
Site ID: 338499
Facility Addr2: Not reported
Facility ID: 0412885
Spill Number: 0412885
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: SKARAKHA
Referred To: Not reported
Spill Date: 03/09/05
Reported to Dept: 03/09/05
CID: 408
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

MANHOLE#MH4299 (Continued) **S106867107**

Willing Responsible Party. Corrective action taken.

Spill Closed Dt:	06/22/05
Remediation Phase:	0
Date Entered In Computer:	03/09/05
Spill Record Last Update:	08/04/06
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0412885
DER Facility ID:	273841
Site ID:	338499
Operable Unit ID:	1100445
Operable Unit:	01
Material ID:	580736
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0412885 e2mis no 157525 3/9/05 - 1645hrs - James Sullivan # 85560 Mech A Maintenance Services reports found clear water in MH4299. While pumping structure noticed oil on water. Disconnected pump and secured sewer (with oil packs) that was a block away from structure which had not been affected by either the water or oil. Did see 1/2 gallon of unknown oil on curb line of street along with 1 gallon unknown oil on 50 gallons water in structure. No sewers or waterways appear to be affected. Sample to be taken from structure. #9 has been dispatched to location to cut service. Env. Ops OS notified and crews dispatched to location to clean up street as 50-499. Clean up of structure pending sample results. A crew will remain on location until results are received. Update - 1719hrs M. Lacker OS reports env. stop tag # 31669 placed. Chain of custody # DD05234. Crew will bring sample to chemlab.
UPDATE - 3/9/05 - 1845HRS WILLIAMS REPORTS HE HAS CHECKED CATCH BASIN AND DOES NOT APPEAR TO BE AFFECTED BY SPILL. HE ALSO STATES STREET APPEARS DRY - NO OIL SEEN ALONG CURB. HE DOES SEE 2 SMALL LOCATIONS WHERE WATER IS SITTING AND IS FREEZING AT THIS TIME. CREWS WILL REMAIN ON LOCATION UNTIL SAMPLE RESULTS COME BACK AND TANKER WILL BE ORDERED TO CLEAN THE STRUCTURE AND THE STREET. SPILL IS CONTAINED. Lab Sequence Number: 05-02098-001 - Aroclor 1260 < 1.0 ppm
UPDATE - 2120HRS RESULTS RECD. <50 TANKER ORDERED WILL BE DISPATCHED 11PM - ENV. OPS CREW WILLCLEAN AFFECTED AREA OF STREET NOW AND MIDNITE CREW WILL BE DISPATCHED TO LOCATION TO CLEAN STRUCTURE. UPDATE 10-MAR-2005 03:20 HRS. ENVIR. OPER. MECH-A J.IOCCO EMP# 31669 REPORTS: DBL. ASTORIA TANKER REMOVED ALL LIQUID FROM STRUCTURE. ENVIR. CREW THEN DBL WASHED STRUCTURE WITH BIO-GEN 760. NO SUMP IN STRUCTURE, ENVIR. TAG# 31669 REMOVED. THIS CLEANUP IS 100 COMPLETE. END DECRemark - 0412885

Remarks: Start CallerRemark - 0412885 They have 1/2 gallon of unknown petroleum on 50 gallons of water. con ed #157525, there is also 1/2 gallon of unknown oil on the sidewalk. END CallerRemark - 0412885

188
SE
1/4-1/2
0.410 mi.
2165 ft.

203 JAVA ST.
203 JAVA ST
BROOKLYN, NY

LTANKS **S100560362**
HIST LTANKS **N/A**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	177715
Spill Date:	06/10/93
Facility Addr2:	Not reported
Facility ID:	9303193
Program Number:	9303193
SWIS:	2401
Region of Spill:	2
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	06/10/93
CID:	14
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	06/10/93
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/10/93
Remediation Phase:	0
Date Entered In Computer:	06/11/93
Spill Record Last Update:	07/19/93
Spille Namer:	Not reported
Spiller Company:	WASHCYSHYN REC.
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9303193
DER Facility ID:	149323
Site ID:	177715
Operable Unit ID:	981368
Operable Unit:	01
Material ID:	396785
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil

203 JAVA ST. (Continued) **S100560362**

Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9303193
Investigator:	TANG.
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	06/10/1993
Spill Time:	11:45
Reported to Department Date:	06/10/93
Reported to Department Time:	12:07
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	WASHCYSHYN REC.
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	06/10/93
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

203 JAVA ST. (Continued) **S100560362**

Spill Closed Dt: 06/10/93
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/11/93
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 07/19/93
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: SPILL ON DIRT FLOOR CELLAR) - SORBENT APPLIED - TANK SIHING DIRECTLY ON DIRT.

AM189 **QUEENS WEST TENNISPORT** **NY Spills** **S106004541**
North **51-24 2ND STREET** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.411 mi.
2168 ft. **Site 1 of 2 in cluster AM**

Relative:
Lower

Actual:
4 ft.

NY Spills:
Site ID: 250373
Facility Addr2: Not reported
Facility ID: 0230011
Spill Number: 0230011
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: rvketani
Referred To: Not reported
Spill Date: 02/01/02
Reported to Dept: 06/13/02
CID: 07
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Other
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

QUEENS WEST TENNISPORT (Continued) **S106004541**

Spill Closed Dt:	07/06/06
Remediation Phase:	0
Date Entered In Computer:	06/13/02
Spill Record Last Update:	07/06/06
Spiller Name:	BRADLEY MULLNER
Spiller Company:	Not reported
Spiller Address:	51-24 2ND STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Spiller Phone:	(212) 420-8119
Contact Name:	BRADLEY MULLNER
Contact Phone:	(212) 420-8119
DEC Region:	2
Program Number:	0230011
DER Facility ID:	205217
Site ID:	250373
Operable Unit ID:	864435
Operable Unit:	01
Material ID:	509650
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False

DEC Memo: Start DECRemark - 0230011 Prior to Sept, 2004 data translation this spill Lead DEC Field was "SAWYER" 1/8/04-Vought-15000 gallon #2 fuel oil tank on property. Spill transferred from Vought to Austin. 12/16/05- Spill transferred from Piper to Vought. 01/27/04 - Sawyer - Spill transferred from Austin to Sawyer. 05/17/06-Vought-Spill transferred from DEC Vought to DEC Ketani as per DEC Austin. 6/7/06 - Raphael Ketani. I reviewed the case record for the site, including the Phase I and Phase II reports written by JLC and the May 10, 2002 Phase II Site Investigation Report prepared by AKRF Inc. I found that the site has high concentrations of some PAHs. Though this looks like historical fill. VOCs were very low. The last contactwas a letter dated January 31, 2003 written by Mark A. Chertok to Lou Oliva requesting closure of the case. I tried calling Mr. Chertok (212) 421-2150 to find out whether any other investigations had taken place on the site since January 2003, but could only leave a voice mail message. 6/15/06 - Raphael Ketani. I received a call from a legal assistant at Sive Paget & Riesel, P.C. She said that the reports I had were all of the information for the site. She said that there were no other investigations and asked that the case be closed. I spoke to Ioana Munteanu-Ramnic (DER Region 2 Enviro. Engnr.) about the site and she that she believed a 10,000 gal. tank had been discovered when the bulkhead on the west side of the site had been replaced. 6/16/06 - Raphael Ketani. I called up Steve Zahn (Region 2 Program Manager in Marine Resources) and he said he was aware of the bulkhead replacement, but not about the tank. He said he will ask around his unit and see whether anyoneis familiar with the discovery of a tank. I called up Mr. Chertok and asked him about the tank. He said that a lot of tanks had been discovered in the phase I and phase II parts of Queens West through work by the Voluntary Program, but the Tennisport is phase IV. He said he will check his records and let me know if something was on the site. 6/19/06 - Raphael Ketani. I received the following e-mail from Andrew Walker of Region 2 Marine Resources: Hi Raphael, Steve had me check ourpermit

QUEENS WEST TENNISPORT (Continued) **S106004541**

file regarding whether we had any knowledge of an old storage tank being on the site and its removal. From my review of the file, it appears that the only portions of the project we were aware of was shoreline stabilization, a stormwater pipe, and dewatering. As far as I could see, nothing indicated a storage tank. Let me know if you need any further info. Drew Andrew C. Walker Marine Biologist, NYS DEC, Region 2 47-40 21st Street Long Island City, NY 11101 acwalker@gw.dec.state.ny.us Phone: (718) 482-4061 6/27/06 - Raphael Ketani. I viewed the northwest corner of the site. The construction company exposed a large (5000 gal.?) tank in the vicinity of TMW-3. The tank had a hole at the top that may have been formed by the backhoe hitting it or by the tank folding in the middle. I called up Mr. Chertok and asked him what was going to happen with the tank and whether it was clean. He said he will get back to me. The soil and water analyticals had only 1 VOChit and a number of SVOC hits that were below TAGM. 6/28/06 - Raphael Ketani. Ms. Christine Leas (212) 421-2150, representing the law firm for the construction project, called to say that what I saw is a riveted conduit, not a tank. I left a message for her stating that I will go to the site and view the object up close. She called me back and said that Steve Cantor, an engineer for the project, will meet me at the site and help explain the structure. She said he is a substitute engineeras Larry Ford and Peter Torpor (718) 786-2034 are out right now. I visited the site with Mr. Cantor and took a number of pictures. I also met Al Boehm, P.E. and project engineer, of Spearin Preston & Burrows, Inc. who explained that the structurewas a coal conveying pipe. I could see wires inside the pipe which was about 6 feet in diameter. There were, also, old pilings from when the end of the pipe was next to the water. There was also a pool of green flow tracing dye on one side of the pipe. I told Mr. Boehm and Mr. Cantor that the dye needed to be cleaned up. 6/29/06 - Raphael Ketani. I left a message for Ms. Leas that the green flow tracing dye has to be cleaned up and an official letter sent to this effect before I will closethe spill case.
7/6/06 - Raphael Ketani. I received e-mailed pictures from Ms. Leas of the testing dye before and after it reacted with the sunlight and evaporated. Based upon the dye letter, the phase I and phase II reports produced by JLC, thephase II SIR produced by AKRF, and other documentation in the case file, I am closing the case. Ms. Leas asked for a case closed letter. I will send one. END DECRemark - 0230011

Remarks: Start CallerRemark - 0230011 Reported total SVOC carcinogens at 55,531 ppm at 6'-8' soil sample. Information discovered in review of AKRF Phase II report. END CallerRemark - 0230011

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190 **1 POLICE PLAZA/MANHATTAN** **NY Spills** **S102141693**
NE **1 POLICE PLAZA** **NY Hist Spills** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.411 mi.
2171 ft.

Relative:
Lower

Actual:
0 ft.

NY Spills:

Site ID:	128020
Facility Addr2:	Not reported
Facility ID:	9007099
Spill Number:	9007099
Facility Type:	ER
SWIS:	3101
Region of Spill:	2
Investigator:	WEISSMAN
Referred To:	Not reported
Spill Date:	09/27/90
Reported to Dept:	09/28/90
CID:	08

1 POLICE PLAZA/MANHATTAN (Continued) **S102141693**

Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates a file or hazard. (Highly Improbable)
Spill Closed Dt:	11/12/97
Remediation Phase:	0
Date Entered In Computer:	10/09/90
Spill Record Last Update:	11/12/97
Spiller Name:	Not reported
Spiller Company:	NYC POLICE HEADQUARTERS
Spiller Address:	1 POLICE PLAZA
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Spiller Phone:	(212) 374-7650
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9007099
DER Facility ID:	279312
Site ID:	128020
Operable Unit ID:	944531
Operable Unit:	01
Material ID:	434523
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9007099 DISCOVERED FUEL IN MANWAY, PETROLEUM CONSTRUCTION CORP TO CLEAN UP & REPAIR, PUMP FREE PRODUCT INTO DRUM, WILL USE RAGS TO CLEAN UP SPILL, WILL DISPOSE OF.10/4/93 LEAK FROM TRUCK DURING FILLING(93080 END CallerRemark -9007099

NY Hist Spills:

Region of Spill:	2
Spill Number:	9007099
Investigator:	WEISSMAN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	09/27/1990 11:00
Reported to Dept Date/Time:	09/28/90 08:56
SWIS:	62

1 POLICE PLAZA/MANHATTAN (Continued) **S102141693**

Spiller Name:	NYC POLICE HEADQUARTERS
Spiller Contact:	Not reported
Spiller Phone:	(212) 374-7650
Spiller Address:	1 POLICE PLAZA
Spiller City,St,Zip:	NEW YORK, N.Y.
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	02
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates a file or hazard. (Highly Improbable)
Spill Closed Dt:	11/12/97
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	10/09/90
Date Spill Entered In Computer Data File:	Not reported
Update Date:	11/12/97
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	25
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	DISCOVERED FUEL IN MANWAY, PETROLEUM CONSTRUCTION CORP TO CLEAN UP REPAIR, PUMP FREE PRODUCT INTO DRUM, WILL USE RAGS TO CLEAN UP SPILL, WILL DISPOSE OF.10/4/93 LEAK FROM TRUCK DURING FILLING 93080

AM191 **52-00 2ND ST/QU'NS/NORVAL** **LTANKS** **S100144917**
North **52000 2ND ST** **HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.411 mi.
2172 ft. **Site 2 of 2 in cluster AM**

Relative:
Lower

Actual:
3 ft.

LTANKS:

Site ID:	282042
Spill Date:	12/17/87
Facility Addr2:	Not reported
Facility ID:	8708085
Program Number:	8708085
SWIS:	4101
Region of Spill:	2
Investigator:	VRNATTAN
Referred To:	Not reported
Reported to Dept:	12/18/87
CID:	Not reported
Spill Cause:	Tank Test Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Tank Tester
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Spill Class:	Known release with minimal potential for fire or hazard. No DEC Response. No corrective action required.
Spill Closed Dt:	12/29/05
Remediation Phase:	0
Date Entered In Computer:	01/13/88
Spill Record Last Update:	12/29/05
Spille Namer:	Not reported
Spiller Company:	NORVAL INC
Spiller Phone:	(718) 392-4500
Spiller Extention:	Not reported
Spiller Address:	52-00 2ND ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	8708085
DER Facility ID:	228959
Site ID:	282042
Operable Unit ID:	913647
Operable Unit:	01
Material ID:	463482
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False

52-00 2ND ST/QU'NS/NORVAL (Continued) **S100144917**

Site ID:	282042
Spill Tank Test:	1532728
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/01/04
Test Method:	Unknown
DEC Memo:	Not reported
Remarks:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	8708085
Investigator:	BATTISTA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	12/17/1987
Spill Time:	17:00
Reported to Department Date:	12/18/87
Reported to Department Time:	08:36
SWIS:	63
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NORVAL INC
Spiller Address:	52-00 2ND ST
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Facility Contact:	Not reported
Facility Phone:	(718) 392-4500
Facility Extention:	Not reported
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Notifier:	Tank Tester
PBS Number:	2-348422
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /

Date Region Sent Summary to Central Office: / /

52-00 2ND ST/QU'NS/NORVAL (Continued) **S100144917**

Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	01/13/88
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	07/18/96
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	0
Test Method:	Not reported
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	DIESEL
Class Type:	DIESEL
Times Material Entry In File:	10625
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	Not reported
Spill Cause:	2) 4K TANKS SYPHONED TOGETHER, UNKNOWN LEAK RATE, WILL EXCAVATE, ISOLATE AND RETEST. CONTACT: JOE, SAL 718) 392-4500.

AJ192 **NY Spills** **S104951338**
NNE **53RD AVE/VERNON BLVD** **NY Hist Spills** **N/A**
1/4-1/2 **QUEENS, NY**
0.412 mi.
2177 ft. **Site 3 of 3 in cluster AJ**

Relative:
Lower

Actual:
8 ft.

NY Spills:

Site ID:	294103
Facility Addr2:	Not reported
Facility ID:	0011955
Spill Number:	0011955
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	KMFOLEY
Referred To:	Not reported
Spill Date:	02/06/01
Reported to Dept:	02/06/01
CID:	396
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/16/01
Remediation Phase:	0

(Continued) **S104951338**

Date Entered In Computer: 02/06/01
Spill Record Last Update: 10/11/01
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: BILL MURPHY
Contact Phone: (212) 580-6763
DEC Region: 2
Program Number: 0011955
DER Facility ID: 238006
Site ID: 294103
Operable Unit ID: 833318
Operable Unit: 01
Material ID: 542243
Material Code: 0064A
Material Name: UNKNOWN MATERIAL
Case No.: Not reported
Material FA: Other
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 0011955 Prior to Sept, 2004 data translation this spill Lead DEC Field was "FOLEY" Gas reports odorous soil which may contain an unknown oil in excavation he called for chemist at 1045 hours. No free product visible. This is a 3rdparty spill found by contractor Hallen Construction. Cleanup: Since this was an excavation and a 3rd party spill we did not perform any cleanup. According to Gary Windman who attended a DEC/Con Ed Task force meeting as per Jane O'Connell we canclose these out without DEC approval. I am putting a stop time in when we backfilled the excavation. ARS END DECRemark - 0011955
Remarks: Start CallerRemark - 0011955 unknown 3rd party spill...cont found in a test pit. ref 135409. contractor is halon chemist. END CallerRemark - 0011955

NY Hist Spills:
Region of Spill: 2
Spill Number: 0011955
Investigator: FOLEY
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 02/06/2001 10:30
Reported to Dept Date/Time: 02/06/01 12:03
SWIS: 63
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: ( ) -
Spiller Contact: BILL MURPHY
Spiller Phone: (212) 580-6763
Spiller Address: Not reported

(Continued) **S104951338**

Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/16/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/06/01
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/11/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Raw Sewage
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
DEC Remarks: Gas reports odorous soil which may contain an unknown oil in excavation he called for chemist at 1045 hours. No free product visible. This is a 3rd party spill found by contractor Hallen Construction. Cleanup: Since this was an excavation and a 3rdparty spill we did not perform any cleanup. According to Gary Windman who attended a DEC/Con Ed Task force meeting as per Jane O Connell we can close these out without DEC approval. I am putting a stop time in when we backfilled the excavation.ARS
Remark: unknown 3rd party spill...cont found in a test pit. ref 135409. contractor is halon chemist.

193 SSE 1/4-1/2 0.412 mi. 2177 ft. | **140 GREENPOINT AVE**
140 GREENPOINT AVE
BROOKLYN, NY | **LTANKS** | **S102146621**
NY Hist Spills | **N/A**

Relative: Higher

Actual: 31 ft.

LTANKS:

Site ID:	174214
Spill Date:	06/15/93
Facility Addr2:	Not reported
Facility ID:	9303423
Program Number:	9303423
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	06/15/93
CID:	14
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	True
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	10/28/03
Remediation Phase:	0
Date Entered In Computer:	06/16/93
Spill Record Last Update:	10/28/03
Spille Namer:	JANICE FLATERTY
Spiller Company:	AMERADA HESS CORP
Spiller Phone:	(732) 750-6350
Spiller Extention:	Not reported
Spiller Address:	1 HESS PLAZA
Spiller City,St,Zip:	WOODBRIDGE, NJ 07095-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9303423
DER Facility ID:	146554
Site ID:	174214
Operable Unit ID:	981755
Operable Unit:	01
Material ID:	396999
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

140 GREENPOINT AVE (Continued) **S102146621**

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9303423
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/15/1993 15:00
Reported to Dept Date/Time:	06/15/93 15:23
SWIS:	61
Spiller Name:	UNK CONTRACTOR
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	05
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	06/16/93
Date Spill Entered In Computer Data File:	Not reported
Update Date:	11/29/94
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported

140 GREENPOINT AVE (Continued) **S102146621**

Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	10/10/95: This is additional information about material spilled from the translation of the old spill file: ODOR.
Remark:	ONGOING FOR DAYS/DEC RESPONDED TO SITE. TANKS REMOVED/REPLACED BY MERIT S/S. SOIL REMOVED REQUESTED ADDITIONAL TARPS TO CONTAIN VAPORS.

AN194 **RZ METAL CORP** **NY Spills** **S104952509**
ESE **247 HURON ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.415 mi.
2194 ft. **Site 1 of 3 in cluster AN**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	67947
Facility Addr2:	Not reported
Facility ID:	0011791
Spill Number:	0011791
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	CXWHITFI
Referred To:	Not reported
Spill Date:	02/01/01
Reported to Dept:	02/01/01
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/29/05
Remediation Phase:	0
Date Entered In Computer:	02/01/01
Spill Record Last Update:	03/31/06
Spiller Name:	UNK
Spiller Company:	RZ METAL CORP
Spiller Address:	247 HURON ST
Spiller City,St,Zip:	BROOKLYN, ZZ
Spiller Company:	001

RZ METAL CORP (Continued) **S104952509**

Spiller Phone:	Not reported
Contact Name:	UNK
Contact Phone:	(000) 000-0000
DEC Region:	2
Program Number:	0011791
DER Facility ID:	64852
Site ID:	67947
Operable Unit ID:	833165
Operable Unit:	01
Material ID:	542086
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0011791 assigned to C. Whitfield in acklog initiative; no files received from region. Spoke to Joel Lehrman of R & Z Metals on 12/21/05. He said the "unknown material" was a biodegradable substance, for which they paid a fine in court. He does not recall which court. He may be confusing this incident with a May 2000 spill of 25 gallons of methylene diphenyldiisocyanate that was absorbed and contained. Since there are no other resources to contact, the spill report says 0 gallons spilled, and the company is still operating in the building, I am closing the spill per guidance issued with initiative. END DECRemark - 0011791
Remarks:	Start CallerRemark - 0011791 unk material ifo the above business - will call spill response as soon as this call is terminated END CallerRemark - 0011791

NY Hist Spills:

Region of Spill:	2
Spill Number:	0011791
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/01/2001 10:55
Reported to Dept Date/Time:	02/01/01 11:04
SWIS:	61
Spiller Name:	RZ METAL CORP
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Address:	247 HURON ST
Spiller City,St,Zip:	BROOKLYN
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	DEC
PBS Number:	Not reported

RZ METAL CORP (Continued) **S104952509**

Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/01/01
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/12/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Raw Sewage
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
DEC Remarks: As a followup to previous inquiries, DEC Sigona contacted ECO s Crowley for further information on March 12, 2001 for report on ECO imnvestigation and findings. ECO Crowley did not perform any folllow-up, she indicated that a truck at the facilityhad leaked a blue material reportesdly aluminum based. Ms. Crowley did not request MSDS, and spills did not respond. The facility was asked to cleanup the contamination. No further action.
Remark: unk material ifo the above business - will call spill response as soon as this call is terminated

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195
ENE
1/4-1/2
0.417 mi.
2200 ft.

SHELL OIL CO
25 PAIDGE AV-WELS 15,16
BROOKLYN, NY

LTANKS **S102672786**
NY Hist Spills **N/A**

Relative:
Lower

Actual:
8 ft.

LTANKS:
Site ID: 264923
Spill Date: 01/11/95
Facility Addr2: Not reported
Facility ID: 9413568
Program Number: 9413568
SWIS: 2401
Region of Spill: 2
Investigator: SIGONA

SHELL OIL CO (Continued) **S102672786**

Referred To:	Not reported
Reported to Dept:	01/11/95
CID:	14
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/28/03
Remediation Phase:	0
Date Entered In Computer:	02/02/95
Spill Record Last Update:	03/22/04
Spille Namer:	MARIO D'ANTONIO
Spiller Company:	MOTIVA
Spiller Phone:	(718) 383-4066
Spiller Extention:	Not reported
Spiller Address:	1100 LOUISIANA STREET
Spiller City,St,Zip:	HOUSTON, TX 77002-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9413568
DER Facility ID:	215870
Site ID:	264923
Operable Unit ID:	1011128
Operable Unit:	01
Material ID:	372312
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

SHELL OIL CO (Continued) **S102672786**

NY Hist Spills:

Region of Spill:	2
Spill Number:	9413568
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	01/11/1995 00:01
Reported to Dept Date/Time:	01/11/95 16:30
SWIS:	61
Spiller Name:	SHELL OIL CO
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	03
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/02/95
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/23/98
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported

SHELL OIL CO (Continued) **S102672786**

Last Date: 19940929
DEC Remarks: Not reported
Remark: FOUND CONTAMINATIONIN MONITOR WELL-EXCAVATION DONE -SOIL CONTAMINATED FURTHER INVESTIGATION BEING DONE.

AN196 **APRT** **NY Spills** **S108982174**
ESE **249 HURON STREET** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.418 mi.
2209 ft. **Site 2 of 3 in cluster AN**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	392358
Facility Addr2:	Not reported
Facility ID:	0710964
Spill Number:	0710964
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	hrpatel
Referred To:	Not reported
Spill Date:	01/16/08
Reported to Dept:	01/16/08
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	01/31/08
Remediation Phase:	0
Date Entered In Computer:	01/16/08
Spill Record Last Update:	01/31/08
Spiller Name:	SHAWN DONOHUE
Spiller Company:	APRT
Spiller Address:	249 HURON STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(718) 595-5000
Contact Name:	SHAWN DONOHUE
Contact Phone:	(718) 595-5000
DEC Region:	2
Program Number:	0710964
DER Facility ID:	341956
Site ID:	392358
Operable Unit ID:	1149367
Operable Unit:	01
Material ID:	2139892
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00

APRT (Continued) **S108982174**

Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 0710964 insufficient information. case closed. END DECRemark - 0710964
Remarks: Start CallerRemark - 0710964 NO FURTHER INFO AVAILABLE END CallerRemark - 0710964

AO197 **217 INDIA STREET** **NY Spills** **S104790179**
ESE **217 INDIA STREET** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.426 mi.
2248 ft. **Site 1 of 2 in cluster AO**

Relative:
Higher

Actual:
13 ft.

NY Spills:
Site ID: 87048
Facility Addr2: Not reported
Facility ID: 0007775
Spill Number: 0007775
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: SIGONA
Referred To: Not reported
Spill Date: 10/02/00
Reported to Dept: 10/02/00
CID: 14
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: DEC
Cleanup Ceased: / /
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt: 11/14/00
Remediation Phase: 0
Date Entered In Computer: 10/02/00
Spill Record Last Update: 11/14/00
Spiller Name: SUPER
Spiller Company: APT BUILDING
Spiller Address: 363 OCEAN PARKWAY
Spiller City,St,Zip: BROOKLYN, NY
Spiller Company: 001
Spiller Phone: Not reported
Contact Name: NONE
Contact Phone: (000) 000-0000
DEC Region: 2
Program Number: 0007775
DER Facility ID: 79792
Site ID: 87048
Operable Unit ID: 828481
Operable Unit: 01
Material ID: 545301

217 INDIA STREET (Continued) **S104790179**

Material Code: 0064A
Material Name: UNKNOWN MATERIAL
Case No.: Not reported
Material FA: Other
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 0007775 caller recieved an anonymous call from subj who lives in apt building where landlord is keeping drum with an unk substance inside. 25 drums and some of the drums are open END CallerRemark - 0007775

NY Hist Spills:
Region of Spill: 2
Spill Number: 0007775
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 10/02/2000 15:00
Reported to Dept Date/Time: 10/02/00 15:00
SWIS: 61
Spiller Name: APT BUILDING
Spiller Contact: SUPER
Spiller Phone: (000) 000-0000
Spiller Contact: NONE
Spiller Phone: (000) 000-0000
Spiller Address: 363 OCEAN PARKWAY
Spiller City,St,Zip: BROOOKLYN, NY
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: DEC
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt: 11/14/00
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/02/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 11/14/00
Is Updated: False

217 INDIA STREET (Continued) **S104790179**

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Raw Sewage
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	UNKNOWN MATERIAL
Class Type:	UNKNOWN MATERIAL
Times Material Entry In File:	9140
CAS Number:	Not reported
Last Date:	19941109
DEC Remarks:	DEC Sigona contacted NYCDEP Ha Mat. DEP conducted a site inspection determined that it was a false report. The tenant is having dispute with landlord, and made false complaint. No further action required.
Remark:	caller recieved an anonymous call from subj who lives in apt building where landlord is keeping drum with an unk substance inside. 25 drums and some of the drums are open

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198
SSE
1/4-1/2
0.428 mi.
2262 ft.

MANHATTAN AV / GREENPOINT
BROOKLYN, NY

NY Spills **S104787006**
NY Hist Spills **N/A**

Relative:
Higher

Actual:
32 ft.

NY Spills:

Site ID:	203348
Facility Addr2:	Not reported
Facility ID:	0004239
Spill Number:	0004239
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	07/09/00
Reported to Dept:	07/09/00
CID:	266
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/17/01
Remediation Phase:	0
Date Entered In Computer:	07/09/00
Spill Record Last Update:	10/17/01

(Continued) **S104787006**

Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	001
Spiller Phone:	(212) 580-6763
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0004239
DER Facility ID:	169136
Site ID:	203348
Operable Unit ID:	825457
Operable Unit:	01
Material ID:	548981
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	1.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0004239 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" Con Ed e2mis Notes: 7/9/00 1qt unknwon oil on mud in manhole. Treated as 50-499ppm. 2barrels of debris removed. Double washed hole with bio-gen 760. Liquids removed by tanker, solids in barrels. 7/10/00 Sample returned 20ppm PCB. END DECRemark - 0004239
Remarks:	Start CallerRemark - 0004239 MANHOLE 4327. 1 QUARTS UNKNOWN OIL MIXED WITH MUD IN BOTTOM OF MANHOLE. NO SWERS OR WATERWAYS AFFECTED. SAMPLES TAKEN. CLEAN UP PENDING TEST RESULTS. CON EDISON REFERENCE NUMBER 132270. END CallerRemark - 0004239

NY Hist Spills:

Region of Spill:	2
Spill Number:	0004239
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/09/2000 03:30
Reported to Dept Date/Time:	07/09/00 04:26
SWIS:	61
Spiller Name:	CON EDISON
Spiller Contact:	Not reported
Spiller Phone:	(212) 580-6763
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003-
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party

(Continued) **S104787006**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/17/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/09/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/17/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 1
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Con Ed e2mis Notes: 7/9/00 1qt unknwon oil on mud in manhole. Treated as 50-499ppm. 2barrels of debris removed. Double washed hole with bio-gen 760. Liquids removed by tanker, solids in barrels. 7/10/00 Sample returned 20ppm PCB.
Remark: MANHOLE 4327. 1 QUARTS UNKNOWN OIL MIXED WITH MUD IN BOTTOM OF MANHOLE. NO SWERS OR WATERWAYS AFFECTED. SAMPLES TAKEN. CLEAN UP PENDING TEST RESULTS. CON EDISON REFERENCE NUMBER 132270.

AO199 **TWO GAL GREEN SUBSTANCE IN SB 7529** **NY Spills** **S108982122**
ESE **222 INDIA STREET** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.433 mi.
2286 ft. **Site 2 of 2 in cluster AO**

Relative:
Higher

Actual:
13 ft.

NY Spills:
Site ID: 392280
Facility Addr2: Not reported
Facility ID: 0710905
Spill Number: 0710905
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: gdbreen

TWO GAL GREEN SUBSTANCE IN SB 7529 (Continued) **S108982122**

Referred To:	Not reported
Spill Date:	01/15/08
Reported to Dept:	01/15/08
CID:	14
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Remediation Phase:	1
Date Entered In Computer:	01/15/08
Spill Record Last Update:	01/16/08
Spiller Name:	ERTSDESK
Spiller Company:	CON EDISON SB # 7529
Spiller Address:	Not reported
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	999
Spiller Phone:	(212) 580-8383
Contact Name:	ERTSDESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0710905
DER Facility ID:	341877
Site ID:	392280
Operable Unit ID:	1149298
Operable Unit:	01
Material ID:	2139818
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	2.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0710905 209485. see eDocs END DECRemark - 0710905
Remarks:	Start CallerRemark - 0710905 green substance leaking from a dumpster: pending testing as to clean up. 209485 END CallerRemark - 0710905

AN200 **262 HURON ST** **NY Spills** **S102663286**
ESE **262 HURON ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.434 mi.
2291 ft. **Site 3 of 3 in cluster AN**

Relative:
Equal

Actual:
12 ft.

NY Spills:

Site ID:	321523
Facility Addr2:	Not reported
Facility ID:	9704312
Spill Number:	9704312

262 HURON ST (Continued) **S102663286**

Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	O'DOWD
Referred To:	Not reported
Spill Date:	07/11/97
Reported to Dept:	07/11/97
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/21/98
Remediation Phase:	0
Date Entered In Computer:	07/11/97
Spill Record Last Update:	07/21/98
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	PETER BOZEWICZ
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9704312
DER Facility ID:	259008
Site ID:	321523
Operable Unit ID:	1047535
Operable Unit:	01
Material ID:	561027
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9704312 caller was drilling and testing area and came across unk petro in the groundwater-said he was drilling below the watertable because it is high in the area-unsure why he was drilling said he was checking for cleanlinessEND CallerRemark - 9704312

NY Hist Spills:

Region of Spill:	2
Spill Number:	9704312
Investigator:	O'DOWD

262 HURON ST (Continued) **S102663286**

Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/11/1997 01:00
Reported to Dept Date/Time:	07/11/97 10:07
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Contact:	PETER BOZEWICZ
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/21/98
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/11/97
Date Spill Entered In Computer Data File:	Not reported
Update Date:	07/21/98
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	SEE K.O DOWD S LETTER DATED 7/21/98.
Remark:	caller was drilling and testing area and came across unk petro in the

262 HURON ST (Continued) **S102663286**

groundwater-said he was drilling below the watertable because it is high in the area-unsure why he was drilling said he was checking for cleanliness

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AP201 **266 FREEMAN ST/BROOKLYN** **NY Spills** **S102141960**
East **266 FREEMAN STREET** **NY Hist Spills** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.436 mi.
2304 ft. **Site 1 of 2 in cluster AP**

Relative:
Lower

Actual:
11 ft.

NY Spills:

Site ID:	62941
Facility Addr2:	Not reported
Facility ID:	8905039
Spill Number:	8905039
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	08/21/89
Reported to Dept:	08/21/89
CID:	Not reported
Spill Cause:	Human Error
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Fire Department
Cleanup Ceased:	12/08/92
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/08/92
Remediation Phase:	0
Date Entered In Computer:	12/07/89
Spill Record Last Update:	12/10/92
Spiller Name:	Not reported
Spiller Company:	OK DEMOLITION
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	8905039
DER Facility ID:	60912
Site ID:	62941
Operable Unit ID:	930287
Operable Unit:	01
Material ID:	445475
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	250.00
Units:	Gallons

266 FREEMAN ST/BROOKLYN (Continued) **S102141960**

Recovered: 0.00
Resource Affected: Sewer
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 8905039 1K TANK WITH #2 FUEL OIL FELL OFF FORK LIFT, TRIED TO FLUSH SPILL INTOSEWER, DEC TO INVESTIGATE. END CallerRemark - 8905039

NY Hist Spills:
Region of Spill: 2
Spill Number: 8905039
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 08/21/1989 12:48
Reported to Dept Date/Time: 08/21/89 13:03
SWIS: 61
Spiller Name: OK DEMOLITION
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Human Error
Reported to Dept: In Sewer
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Fire Department
PBS Number: Not reported
Cleanup Ceased: 12/08/92
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/08/92
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 12/07/89
Date Spill Entered In Computer Data File: Not reported
Update Date: 12/10/92
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 250
Unkonwn Quantity Spilled: False

266 FREEMAN ST/BROOKLYN (Continued) **S102141960**

Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	WASTE OIL
Class Type:	WASTE OIL
Times Material Entry In File:	9509
CAS Number:	Not reported
Last Date:	19940927
DEC Remarks:	Not reported
Remark:	1K TANK WITH 2 FUEL OIL FELL OFF FORK LIFT, TRIED TO FLUSH SPILL INTOSEWER, DEC TO INVESTIGATE.

AQ202 **111 MILTON STREET** **LTANKS** **S102672351**
SSE **111 MILTON STREET** **HIST LTANKS** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.439 mi.
2317 ft. **Site 1 of 2 in cluster AQ**

Relative:
Higher

Actual:
20 ft.

LTANKS:

Site ID:	219109
Spill Date:	01/27/94
Facility Addr2:	Not reported
Facility ID:	9312646
Program Number:	9312646
SWIS:	2401
Region of Spill:	2
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	01/27/94
CID:	14
Spill Cause:	Tank Overfill
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	01/27/94
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/27/94
Remediation Phase:	0
Date Entered In Computer:	01/28/94
Spill Record Last Update:	09/30/04
Spille Namer:	Not reported
Spiller Company:	BAERENKLAU OIL CO.
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	740 JAMAICA AVENUE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9312646
DER Facility ID:	279871

111 MILTON STREET (Continued) **S102672351**

Site ID:	219109
Operable Unit ID:	991300
Operable Unit:	01
Material ID:	388066
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9312646
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	01/27/1994
Spill Time:	13:30
Reported to Department Date:	01/27/94
Reported to Department Time:	14:05
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	BAERENKLAU OIL CO.
Spiller Address:	740 JAMAICA AVENUE
Spiller City,St,Zip:	BROOKLYN, NY
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party

111 MILTON STREET (Continued) **S102672351**

PBS Number: Not reported
Cleanup Ceased: 01/27/94
Cleanup Meets Standard: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/27/94
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/28/94
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: PUT DOWN SPEEDY DRY - WILL CLEAN

AQ203 **NY Spills** **S104879798**
SSE **111 MILTON ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.439 mi.
2317 ft. **Site 2 of 2 in cluster AQ**

Relative:
Higher

Actual:
20 ft.

NY Spills:
Site ID: 320710
Facility Addr2: Not reported
Facility ID: 0010746
Spill Number: 0010746
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: JMKRIMGO
Referred To: Not reported
Spill Date: 12/26/00
Reported to Dept: 12/27/00
CID: 14
Spill Cause: Equipment Failure

(Continued) **S104879798**

Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/28/00
Remediation Phase:	0
Date Entered In Computer:	12/27/00
Spill Record Last Update:	01/08/01
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	MR ELVORETI
Contact Phone:	(718) 389-0219
DEC Region:	2
Program Number:	0010746
DER Facility ID:	279871
Site ID:	320710
Operable Unit ID:	831882
Operable Unit:	01
Material ID:	544633
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0010746 Prior to Sept, 2004 data translation this spill Lead DEC Field was "KRIMGOLD" Cleand up with absorb. pads. END DECRemark - 0010746
Remarks:	Start CallerRemark - 0010746 there was a water break in the house and the oil burner got flooded...oil kept flowing..unk spilledn and unk recovered. END CallerRemark - 0010746

NY Hist Spills:

Region of Spill:	2
Spill Number:	0010746
Investigator:	KRIMGOLD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	12/26/2000 21:30
Reported to Dept Date/Time:	12/27/00 21:07
SWIS:	61

(Continued) **S104879798**

Spiller Name:	SAME
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	MR ELVORETI
Spiller Phone:	(718) 389-0219
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	09
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/28/00
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	12/27/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/08/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	Cleand up with absorb. pads.
Remark:	there was a water break in the house and the oil burner got flooded...oil kept flowing..unk spilledn and unk recovered.

AP204 **EAGLE & PROVOST STS/BKLYN** **NY Spills** **S102145782**
East **EAGLE / PROVOST STS** **NY Hist Spills** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.444 mi.
2345 ft. **Site 2 of 2 in cluster AP**

Relative:
Lower

Actual:
11 ft.

NY Spills:

Site ID:	77658
Facility Addr2:	Not reported
Facility ID:	9001295
Spill Number:	9001295
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	WILSON
Referred To:	Not reported
Spill Date:	05/03/90
Reported to Dept:	05/03/90
CID:	Not reported
Spill Cause:	Abandoned Drums
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Federal Government
Cleanup Ceased:	05/03/90
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	05/03/90
Remediation Phase:	0
Date Entered In Computer:	05/11/90
Spill Record Last Update:	09/30/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9001295
DER Facility ID:	72395
Site ID:	77658
Operable Unit ID:	941113
Operable Unit:	01
Material ID:	439644
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9001295 CITIZEN DISCOVERED (6) 5GALLON CANS, NYCDEP

EAGLE & PROVOST STS/BKLYN (Continued) **S102145782**

HAZMAT, OEM NOTIFIED. END CallerRemark - 9001295

NY Hist Spills:

Region of Spill:	2
Spill Number:	9001295
Investigator:	WILSON
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/03/1990 08:00
Reported to Dept Date/Time:	05/03/90 12:18
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Abandoned Drums
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	09
Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	05/03/90
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	05/03/90
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	05/11/90
Date Spill Entered In Computer Data File:	Not reported
Update Date:	/ /
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	30
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	WASTE OIL
Class Type:	WASTE OIL
Times Material Entry In File:	9509

EAGLE & PROVOST STS/BKLYN (Continued) **S102145782**

CAS Number: Not reported
Last Date: 19940927
DEC Remarks: Not reported
Remark: CITIZEN DISCOVERED 6) 5GALLON CANS, NYCDEP HAZMAT, OEM NOTIFIED.

205
SSE
1/4-1/2
0.446 mi.
2357 ft.

137 MILTON ST
GREEN POINT, NY

NY Spills **S104649992**
NY Hist Spills **N/A**

Relative:
Higher

Actual:
25 ft.

NY Spills:

Site ID:	134869
Facility Addr2:	GREENPOINT
Facility ID:	9910488
Spill Number:	9910488
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	PLESNARSKI
Referred To:	Not reported
Spill Date:	12/01/99
Reported to Dept:	12/02/99
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.
Spill Closed Dt:	02/12/03
Remediation Phase:	0
Date Entered In Computer:	12/02/99
Spill Record Last Update:	03/09/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	MIRA HOLY
Contact Phone:	(718) 389-6516
DEC Region:	2
Program Number:	9910488
DER Facility ID:	115810
Site ID:	134869
Operable Unit ID:	1089177
Operable Unit:	01
Material ID:	295971
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported

(Continued) **S104649992**

Material FA: Other
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9910488 CALLER STATES UNK PERSON HAS BEEN POURING UNK PRODUCT (POSS AN ACID) ON HER PROPERTY CAUSING GRASS AND PLANTS TO DIE. END CallerRemark - 9910488

NY Hist Spills:
Region of Spill: 2
Spill Number: 9910488
Investigator: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 12/01/1999 12:00
Reported to Dept Date/Time: 12/02/99 12:25
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Contact: MIRA HOLY
Spiller Phone: (718) 389-6516
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 12/02/99
Date Spill Entered In Computer Data File: Not reported
Update Date: 02/15/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported

(Continued) **S104649992**

Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Raw Sewage
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN MATERIAL
Class Type:	UNKNOWN MATERIAL
Times Material Entry In File:	9140
CAS Number:	Not reported
Last Date:	19941109
DEC Remarks:	Not reported
Remark:	CALLER STATES UNK PERSON HAS BEEN POURING UNK PRODUCT POSS AN ACID) ON HER PROPERTY CAUSING GRASS AND PLANTS TO DIE.

AR206 **VAULT #7162** **NY Spills** **S106866926**
SE **GREENPOINT AVE/ LEONARD** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.447 mi.
2363 ft. **Site 1 of 2 in cluster AR**

Relative:
Higher

Actual:
29 ft.

NY Spills:

Site ID:	338189
Facility Addr2:	Not reported
Facility ID:	0412639
Spill Number:	0412639
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SKARAKHA
Referred To:	Not reported
Spill Date:	03/02/05
Reported to Dept:	03/02/05
CID:	444
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/20/05
Remediation Phase:	0
Date Entered In Computer:	03/02/05
Spill Record Last Update:	06/20/05
Spiller Name:	ERT DESK
Spiller Company:	VAULT #7162
Spiller Address:	GREENPOINT AVE/ LEONARD
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001

VAULT #7162 (Continued) **S106866926**

Spiller Phone:	(212) 580-8383
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Region:	2
Program Number:	0412639
DER Facility ID:	273522
Site ID:	338189
Operable Unit ID:	1100153
Operable Unit:	01
Material ID:	580406
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0412639 e2mis no 157429 G. PALLADINO 46015 (NET) REPORTS, FOUND 1/2 GALLON OF DIELECTRIC OIL LEAKING FROM VS7162. AT THIS TIME OIL APPEARS TO BE CONTAINED AND NO SEWERS OR WATERWAYS WERE AFFECTED. OIL WAS DISCOVERED WHILE IN PROGRESS CHANGING BANK FOR FEEDER 6B54. SECONDARY BUSHING IS DEFECTIVE AND OIL APPEARS TO BE LEAKING FROM SITE GLASS ON VS. ALSO APPROX TWO GALLONS OF WATER ONLY FOUND IN SUMP. THIS UNIT WILL NOT HAVE TO BE PRESSURE TESTED BECAUSE VS WILL BE REPLACED BECAUSE OF INTERNAL DAMAGE. HISTORICAL RECORDS INDICATE 1 PPM 9-17-02. ONE LIQUID SAMPLE WILL BE TAKEN FROM VS AND ENV STOP TAG 27688 WAS PLACED. THE STANDING WATER THAT IS PRESENT HAS NO MOVEMENT . NO SEWER CONNECTIONS NOTICED AND CAN NOT DETERMINEWHAT KIND OF SUMP THERE IS IN STRUCTURE. Lab Sequence Number: 05-01801-001 Date Approved: 3/02/2005 PCB Total <1 PPM UPDATE 03-MAR-2005 14:05 HRS. BQ&E DEPT. MECH-A K.DAVIS EMP# 16852 REPORTS: ASTORIA TANKER REMOVED 250 GALS OF OIL FROM UNIT. PLATE INDICATES UNIT CAPACITY IS 330 GALS. THERE ARE 80 GALS UNACCOUNTED FOR. UPDATE MAR 13 2005 1313HRS FLUSH OPERATIONS MECHANIC JOSEPH IOCCO , EMPLOYEE NO 56611, REPORTS STRUCTURE DBLE WASHED WITH BIO GEN 760. ALL LIQUIDS AND DEBRIS REMOVED. SUMP FOUND SEALED. ENVIRONMENTAL TAG NO. 27688 WAS REMOVED. CLEANUP IS COMPETE 100 . UPDATE 3/14/2005 02:00 HRS PER FDR REP H. BROWN THE UNIT HAS BEEN REMOVED. END DECRemark - 0412639

Remarks: Start CallerRemark - 0412639 LEAKING FROM TRANSFORMER, NO TO 4 QUESTIONS: CONED # 157429 END CallerRemark - 0412639

AR207 **155 GREENPOINT AVENUE** **NY Spills** **S102147016**
SE **155 GREENPOINT AVENUE** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.447 mi.
2363 ft. **Site 2 of 2 in cluster AR**

Relative:
Higher

Actual:
29 ft.

NY Spills:

Site ID:	151991
Facility Addr2:	Not reported
Facility ID:	9307417
Spill Number:	9307417
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	KSTANG
Referred To:	Not reported
Spill Date:	09/18/93

155 GREENPOINT AVENUE (Continued) **S102147016**

Reported to Dept:	09/18/93
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/18/03
Remediation Phase:	0
Date Entered In Computer:	09/21/93
Spill Record Last Update:	02/18/03
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9307417
DER Facility ID:	129028
Site ID:	151991
Operable Unit ID:	988496
Operable Unit:	01
Material ID:	393681
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9307417 Prior to Sept, 2004 data translation this spill Lead DEC Field was "TANG" 2/18/2003 - Closed Due To The Nature / Extent Of The Spill Report END DECRemark - 9307417
Remarks:	Start CallerRemark - 9307417 OIL SLAIN ON FLOOR, LEAKING UNDERGROUND, WILL REPLACE TANK / LINE. END CallerRemark - 9307417

NY Hist Spills:

Region of Spill:	2
Spill Number:	9307417
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported

155 GREENPOINT AVENUE (Continued) **S102147016**

Spill Date/Time:	09/18/1993 13:25
Reported to Dept Date/Time:	09/18/93 13:41
SWIS:	61
Spiller Name:	Not reported
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	09
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	09/21/93
Date Spill Entered In Computer Data File:	Not reported
Update Date:	/ /
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	Not reported
Remark:	OIL SLAIN ON FLOOR, LEAKING UNDERGROUND, WILL REPLACE TANK / LINE.

AS208 **LONG ISLAND CITY YARD** **NY Spills** **S103573244**
NNE **5-02 BORDEN AVENUE** **NY Hist Spills** **N/A**
1/4-1/2 **QUEENS, NY**
0.451 mi.
2381 ft. **Site 1 of 3 in cluster AS**

Relative:
Lower

Actual:
8 ft.

NY Spills:

Site ID:	327625
Facility Addr2:	Not reported
Facility ID:	9809086
Spill Number:	9809086
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	MMMULQUE
Referred To:	Not reported
Spill Date:	10/21/98
Reported to Dept:	10/21/98
CID:	205
Spill Cause:	Traffic Accident
Water Affected:	Not reported
Spill Source:	Railroad Car
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/17/98
Remediation Phase:	0
Date Entered In Computer:	10/21/98
Spill Record Last Update:	05/19/04
Spiller Name:	Not reported
Spiller Company:	LIRR
Spiller Address:	9359 183RD ST
Spiller City,St,Zip:	HOLIS, NY
Spiller Company:	001
Spiller Phone:	(718) 558-3097
Contact Name:	CALLER
Contact Phone:	(718) 558-3081
DEC Region:	2
Program Number:	9809086
DER Facility ID:	263742
Site ID:	327625
Operable Unit ID:	1070275
Operable Unit:	01
Material ID:	316550
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	562.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9809086 Prior to Sept, 2004 data translation this spill Lead

LONG ISLAND CITY YARD (Continued) **S103573244**

Remarks: DEC Field was "MULQUEEN" REFER TO SPILL 9809083. END DECRemark - 9809086 Start CallerRemark - 9809086 CALLER REPORTED THAT A TRAIN RAN OVER A REFUELING HOSE. SPILL CONTAINED TO YOER. CLEANUP CREW ON SCENE. PADS APPLIED. END CallerRemark - 9809086

NY Hist Spills:

Region of Spill:	2
Spill Number:	9809086
Investigator:	MULQUEEN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/21/1998 08:20
Reported to Dept Date/Time:	10/21/98 10:02
SWIS:	63
Spiller Name:	LONG ISLAND RAILROAD
Spiller Contact:	Not reported
Spiller Phone:	(718) 558-3097
Spiller Contact:	CALLER
Spiller Phone:	(718) 558-3081
Spiller Address:	9359 183RD ST
Spiller City,St,Zip:	HOLIS, NY
Spill Cause:	Traffic Accident
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	11
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/17/98
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	10/21/98
Date Spill Entered In Computer Data File:	Not reported
Update Date:	11/17/98
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	562
Unkonwn Quantity Spilled:	False

LONG ISLAND CITY YARD (Continued) **S103573244**

Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	DIESEL
Class Type:	DIESEL
Times Material Entry In File:	10625
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	REFER TO SPILL 9809083.
Remark:	CALLER REPORTED THAT A TRAIN RAN OVER A REFUELING HOSE. SPILL CONTAINED TO YOER. CLEANUP CREW ON SCENE. PADS APPLIED.

AS209 **LONG ISLAND CITY YARD** **NY Spills** **S103483987**
NNE **5-02 BORDEN AV** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.451 mi.
2381 ft. **Site 2 of 3 in cluster AS**

Relative:
Lower

Actual:
8 ft.

NY Spills:

Site ID:	254581
Facility Addr2:	Not reported
Facility ID:	9806386
Spill Number:	9806386
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	TJDEMEO
Referred To:	Not reported
Spill Date:	08/24/98
Reported to Dept:	08/24/98
CID:	365
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/08/03
Remediation Phase:	0
Date Entered In Computer:	08/24/98
Spill Record Last Update:	05/19/04
Spiller Name:	LEWIS WUNDERLICH
Spiller Company:	LIRR
Spiller Address:	9359 183RD ST
Spiller City,St,Zip:	HOLIS, NY
Spiller Company:	001
Spiller Phone:	(718) 558-3252
Contact Name:	LOU WUNDERLICH
Contact Phone:	(718) 784-6675
DEC Region:	2
Program Number:	9806386
DER Facility ID:	208512

LONG ISLAND CITY YARD (Continued) **S103483987**

Site ID: 254581
Operable Unit ID: 1063998
Operable Unit: 01
Material ID: 317545
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Start DECRemark - 9806386 Prior to Sept, 2004 data translation this spill Lead DEC Field was "DEMEO" 7/8/03 TJD No DEC file. LIRR submitted letter, dated 2/24/03, summarizing historical spills at LIC Passenger Yard. Specific to spill #9806386,LIRR states, "UST has been removed from service. Soils along this area have been removed down to the water table and disposed." Further stated in LIRR correspondence, spill #9806386 is in area of yard that has been remediated as part of Phase 1Aof yard reconstruction. Disposal documents and endpoint analysis are included with LIRR submission. Spill #9313234 is designated as primary spill for LIC passenger yard and will remain open until all phases of yard reconstruction are complete and all existing soil/groundwater contamination at property have been remediated. END DECRemark - 9806386
Remarks: Start CallerRemark - 9806386 TANK &/OR PIPING &/OR OVERFILL CAUSED SPILL THAT CONTAMINATED ABOUT 10 YARDS OF SOIL END CallerRemark - 9806386

NY Hist Spills:
Region of Spill: 2
Spill Number: 9806386
Investigator: TOMASELLO
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 08/24/1998 09:00
Reported to Dept Date/Time: 08/24/98 09:33
SWIS: 63
Spiller Name: LONG ISLAND RAILROAD
Spiller Contact: LEWIS WUNDERLICH
Spiller Phone: (718) 558-3252
Spiller Contact: LOU WUNDERLICH
Spiller Phone: (718) 784-6675
Spiller Address: 9359 183RD ST
Spiller City,St,Zip: HOLIS, NY
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /

LONG ISLAND CITY YARD (Continued) **S103483987**

Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Not reported
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 08/24/98
Date Spill Entered In Computer Data File: Not reported
Update Date: 08/26/98
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: TANK /OR PIPING /OR OVERFILL CAUSED SPILL THAT CONTAMINATED ABOUT 10 YARDS OF SOIL

AS210 **LONG ISLAND CITY PASS YAR** **NY Spills** **S103037122**
NNE **5-01 BORDEN AV** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.451 mi.
2382 ft. **Site 3 of 3 in cluster AS**

Relative:
Lower

Actual:
8 ft.

NY Spills:
Site ID: 110127
Facility Addr2: Not reported
Facility ID: 9714505
Spill Number: 9714505
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: TJDEMEO
Referred To: Not reported
Spill Date: 03/30/98
Reported to Dept: 03/30/98
CID: 211
Spill Cause: Deliberate
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: / /

LONG ISLAND CITY PASS YAR (Continued) **S103037122**

Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/08/03
Remediation Phase:	0
Date Entered In Computer:	03/30/98
Spill Record Last Update:	08/30/04
Spiller Name:	LOU WUNDERLICH
Spiller Company:	LIRR
Spiller Address:	93-59 183RD STREET
Spiller City,St,Zip:	HOLLIS, NY 11423-
Spiller Company:	001
Spiller Phone:	(718) 558-3252
Contact Name:	LOU WUNDERLICH
Contact Phone:	(718) 558-3252
DEC Region:	2
Program Number:	9714505
DER Facility ID:	96552
Site ID:	110127
Operable Unit ID:	1060283
Operable Unit:	01
Material ID:	325466
Material Code:	0013
Material Name:	Lube Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	250.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 9714505 Prior to Sept, 2004 data translation this spill Lead DEC Field was "DEMEO" DEC (SIGONA) investigated the spill on 3/30/98 at 3:30 P.M. The facility is a maintenance yard across the street from the Crab House Restaurant onBorden Avenue in Long Island City. There is track area where trains are maintained. Oil drains to separator UST. The system has major problems, overflows with product during floods, oil on floor and ground. Earlier on the day of 3/30/98 at 7:30 A.M. workers discovered that their aboveground 275 tank spilled all of its contents onto ground and track areas. The spill was caused by a broken watch glass on the tank which apparently was broken by vandals. LIRR hired Trade-Winds Environmental to perform a surface cleanup. There is an on-going groundwater remediation system in progress to remove a significant free product plume under the track maintenance facility. This area was further impacted by this surface spill which was onlycleaned up on the surface. It is unclear how much product leached under the track area. 7/8/03 TJD No DEC file. LIRR submitted letter, dated 2/24/03, summarizing historical spills at LIC Passenger Yard. Specific to spill #9714505, LIRR states: "spill located in oil-house which has been removed as part of Phase 1 reconstruction of yard. Soils along this area have been removed down to the water table and disposed." Further stated in LIRR correspondence, spill #9714505 is in area of yard that has been remediated as part of phase 1A of yard reconstruction. Disposal documents and endpoint analysis are included with LIRR submission. Spill #9313234 is designated as the primary spill for LIC passenger yard and will remain open until all phases of yard reconstruction

LONG ISLAND CITY PASS YAR (Continued) **S103037122**

project are completed and all existing soil/groundwater contamination at property have been remediated. END DECRemark - 9714505

Remarks: Start CallerRemark - 9714505 TANK WAS VANDALIZED BY UNK PERSONS / MOST OF PRODUCT DID ENTER OIL/WATER SEPERATER WHICH WILL BE PUMPED OUT END CallerRemark - 9714505

NY Hist Spills:

Region of Spill:	2
Spill Number:	9714505
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/30/1998 07:30
Reported to Dept Date/Time:	03/30/98 11:43
SWIS:	63
Spiller Name:	LONG ISLAND RAIL ROAD
Spiller Contact:	LOU WUNDERLICH
Spiller Phone:	(718) 558-3252
Spiller Contact:	LOU WUNDERLICH
Spiller Phone:	(718) 558-3252
Spiller Address:	93-59 183RD STREET
Spiller City,St,Zip:	HOLLIS, NY 11423-
Spill Cause:	Deliberate
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	03/30/98
Date Spill Entered In Computer Data File:	Not reported
Update Date:	04/09/98
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	250

LONG ISLAND CITY PASS YAR (Continued) **S103037122**

Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: LUBE OIL
Class Type: LUBE OIL
Times Material Entry In File: 295
CAS Number: Not reported
Last Date: 19940728
Material: LUBRICATING OIL
Class Type: LUBRICATING OIL
Times Material Entry In File: 292
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: DEC SIGONA) investigated the spill on 3/30/98 at 3:30 P.M. The facility is a maintenance yard across the street from the Crab House Restaurant on Borden Avenue in Long Island City. There is track area where trains are maintained. Oil drains to separator UST. The system has major problems, overflows with product during floods, oil on floor and ground. Earlier on the day of 3/30/98 at 7:30 A.M. workers discovered that their aboveground 275 tank spilled all of its contents onto ground andtrack areas. The spill was caused by a broken watch glass on the tank which apparently was broken by vandals. LIRR hired Trade-Winds Environmental to perform a surface cleanup. There is an on-going groundwater remediation system in progress toremove a significant free product plume under the track maintenance facility. This area was further impacted by this surface spill which was only cleaned up on the surface. It is unclear how much product leached under the track area.
Remark: TANK WAS VANDALIZED BY UNK PERSONS / MOST OF PRODUCT DID ENTER OIL/WATER SEPERATER WHICH WILL BE PUMPED OUT

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211 East 1/4-1/2 0.453 mi. 2394 ft. | **CONTRACTOR PROVOST STREET / EAGLE BROOKLYN, NY** | **NY Spills** | **S108636287 N/A**

Relative: Lower
Actual: 10 ft.

NY Spills:
Site ID: 380067
Facility Addr2: Not reported
Facility ID: 0700684
Spill Number: 0700684
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: smsanges
Referred To: Not reported
Spill Date: 04/18/07
Reported to Dept: 04/18/07
CID: 444
Spill Cause: Equipment Failure
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Local Agency
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False

CONTRACTOR (Continued) **S108636287**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/18/07
Remediation Phase:	0
Date Entered In Computer:	04/18/07
Spill Record Last Update:	04/18/07
Spiller Name:	WINNIE LANHAM
Spiller Company:	CONTRACTOR
Spiller Address:	PROVOST STREET& EAGLE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(718) 609-8700
Contact Name:	WINNIE LANHAM
Contact Phone:	(718) 609-8700
DEC Region:	2
Program Number:	0700684
DER Facility ID:	329551
Site ID:	380067
Operable Unit ID:	1137558
Operable Unit:	01
Material ID:	2127506
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0700684 vehicle spill - DEP supervised cleanup END DECRemark - 0700684
Remarks:	Start CallerRemark - 0700684 TRUCK GOT CAUGHT UP IN FENCE A RIPPED FUEL TANK: CLEAN UP IN PROCESS END CallerRemark - 0700684

AT212 **214 KENT STREET** **NY Spills** **S102560559**
SE **214 KENT STREET** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.463 mi.
2444 ft. **Site 1 of 3 in cluster AT**

Relative:
Higher

Actual:
14 ft.

NY Spills:

Site ID:	109895
Facility Addr2:	Not reported
Facility ID:	9700566
Spill Number:	9700566
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	CAENGELH
Referred To:	Not reported
Spill Date:	04/12/97
Reported to Dept:	04/12/97
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party

214 KENT STREET (Continued) **S102560559**

Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/17/97
Remediation Phase:	0
Date Entered In Computer:	04/12/97
Spill Record Last Update:	10/19/98
Spiller Name:	MIKE CESARE
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Spiller Phone:	(212) 580-6763
Contact Name:	MIKE CESARE
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	9700566
DER Facility ID:	96356
Site ID:	109895
Operable Unit ID:	1043310
Operable Unit:	01
Material ID:	337160
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	Gallons
Recovered:	20.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9700566 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ENGELHARDT" 4/15/97: PERFORMED MOSF INSPECTION. OIL HAD BEEN CLEANED UP FROM STATION FLOOR. END DECRemark - 9700566
Remarks:	Start CallerRemark - 9700566 LEAKING SEAL ON OIL PUMP - SPILL CONTAINED IN MOAT AND CLEANED UP END CallerRemark - 9700566

NY Hist Spills:

Region of Spill:	2
Spill Number:	9700566
Investigator:	ENGELHARDT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/12/1997 05:40
Reported to Dept Date/Time:	04/12/97 06:51
SWIS:	61
Spiller Name:	CON ED
Spiller Contact:	MIKE CESARE
Spiller Phone:	(212) 580-6763

214 KENT STREET (Continued) **S102560559**

Spiller Contact: MIKE CESARE
Spiller Phone: (212) 580-6763
Spiller Address: 4 IRVING PLACE
Spiller City,St,Zip: MANHATTAN, NY 10003-
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/17/97
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/12/97
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/19/98
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 20
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 20
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 4/15/97: PERFORMED MOSF INSPECTION. OIL HAD BEEN CLEANED UP FROM STATION FLOOR.
Remark: LEAKING SEAL ON OIL PUMP - SPILL CONTAINED IN MOAT AND CLEANED UP

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213 **LIRR** **NY Spills** **S106010583**
NNE **BORDEN AVE / VERNON BLVD** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.465 mi.
2454 ft.

Relative:
Lower

Actual:
10 ft.

NY Spills:
Site ID: 171363
Facility Addr2: Not reported
Facility ID: 0210187
Spill Number: 0210187

LIRR (Continued) **S106010583**

Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	MCTIBBE
Referred To:	Not reported
Spill Date:	01/09/03
Reported to Dept:	01/09/03
CID:	365
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/08/05
Remediation Phase:	0
Date Entered In Computer:	01/09/03
Spill Record Last Update:	06/08/05
Spiller Name:	Not reported
Spiller Company:	LIRR
Spiller Address:	93-59 183RD STREET
Spiller City,St,Zip:	HOLLIS, NY 11423-
Spiller Company:	001
Spiller Phone:	(718) 558-3081
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0210187
DER Facility ID:	144209
Site ID:	171363
Operable Unit ID:	863390
Operable Unit:	01
Material ID:	513582
Material Code:	9999
Material Name:	Other
Case No.:	Not reported
Material FA:	Other
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Impervious Surface
Oxygenate:	False
DEC Memo:	Start DECRemark - 0210187 Prior to Sept, 2004 data translation this spill Lead DEC Field was "DEMEO" 3/23/05 - Austin - Transferred from DeMeo to Tibbe - end 06/08/05: Water with a sheen discovered in containment area of an OWS. LIRR hired acontractor to pump out containment. MCT. END DECRemark - 0210187
Remarks:	Start CallerRemark - 0210187 oil/water mixture in the containment area for the oil/water separator - DEC was on site doing an inspection - they will hire a contractor to pump it out, inspect it, & make any necessary repairs END CallerRemark - 0210187

AU214 **207 BORDEN AVENUE** **NY Spills** **S102150559**
North **207 BORDEN AVENUE** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.466 mi.
2458 ft. **Site 1 of 4 in cluster AU**

Relative:
Lower

Actual:
5 ft.

NY Spills:

Site ID:	91953
Facility Addr2:	Not reported
Facility ID:	9505532
Spill Number:	9505532
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	TJDEMEO
Referred To:	Not reported
Spill Date:	08/02/95
Reported to Dept:	08/02/95
CID:	07
Spill Cause:	Human Error
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/08/03
Remediation Phase:	0
Date Entered In Computer:	09/25/95
Spill Record Last Update:	05/19/04
Spiller Name:	Not reported
Spiller Company:	LIRR
Spiller Address:	BORDEN AVENUE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9505532
DER Facility ID:	82591
Site ID:	91953
Operable Unit ID:	1020439
Operable Unit:	01
Material ID:	363528
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Sewer
Oxygenate:	False
DEC Memo:	Start DECRemark - 9505532 Prior to Sept, 2004 data translation this spill Lead

207 BORDEN AVENUE (Continued) **S102150559**

DEC Field was "DEMEO" 7/8/03 TJD No DEC file. LIRR submitted letter, dated 2/24/03, summarizing historical spills at LIC passenger yard. Specific to Spill #9505532, LIRR states it maintains no file or record of spill. Further stated, "soils along this area have been removed down to the water table and disposed". The area of yard affected by spill #9505532 is reported to have been remediated as part of Phase1A of yard reconstruction project. Disposal documents and endpoint analysis are included with LIRR petition for closure. Spill #9313234 is designated as primary spill for LIC passenger yard and will remain open until all phases of yard reconstruction are completed and all existing soil/groundwater contamination have been remediated. END DECRemark - 9505532

Remarks: Start CallerRemark - 9505532 CALLER SAY LONG ISLAND RAILROAD PUMPED OUT WELL OVER 200 GALS OF DIESEL FUEL INTO ROAD THAT WENT DOWN INTO SEWER - HE SAYS YOU CAN STILL SEE THE STAINS - ALSO REFER TO DEP IWCS END CallerRemark - 9505532

NY Hist Spills:

Region of Spill:	2
Spill Number:	9505532
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	08/02/1995 13:30
Reported to Dept Date/Time:	08/02/95 08:31
SWIS:	63
Spiller Name:	LONG ISLAND RAILROAD
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	BORDEN AVENUE
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spill Cause:	Human Error
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	09/25/95
Date Spill Entered In Computer Data File:	Not reported
Update Date:	02/22/96
Is Updated:	False
PBS Number:	Not reported

207 BORDEN AVENUE (Continued) **S102150559**

Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	DIESEL
Class Type:	DIESEL
Times Material Entry In File:	10625
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	Not reported
Remark:	CALLER SAY LONG ISLAND RAILROAD PUMPED OUT WELL OVER 200 GALS OF DIESEL FUEL INTO ROAD THAT WENT DOWN INTO SEWER - HE SAYS YOU CAN STILL SEE THE STAINS - ALSO REFER TO DEP IWCS

AT215 **NY Spills** **S104650591**
SE **266 MCGUINNESS BLVD** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.467 mi.
2466 ft. **Site 2 of 3 in cluster AT**

Relative:
Higher

Actual:
14 ft.

NY Spills:

Site ID:	315851
Facility Addr2:	Not reported
Facility ID:	0000665
Spill Number:	0000665
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	TOMASELLO
Referred To:	Not reported
Spill Date:	04/17/00
Reported to Dept:	04/17/00
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/20/00
Remediation Phase:	0
Date Entered In Computer:	04/17/00
Spill Record Last Update:	06/20/00
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported

(Continued) **S104650591**

Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: CALLER
Contact Phone: Not reported
DEC Region: 2
Program Number: 0000665
DER Facility ID: 254628
Site ID: 315851
Operable Unit ID: 822395
Operable Unit: 01
Material ID: 288906
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 0000665 caller owner of property nitified on contaminated soil by testing company. END CallerRemark - 0000665

NY Hist Spills:
Region of Spill: 2
Spill Number: 0000665
Investigator: TOMASELLO
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 04/17/2000 12:40
Reported to Dept Date/Time: 04/17/00 14:02
SWIS: 61
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: ( ) -
Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /

(Continued) **S104650591**

Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/20/00
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/17/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/20/00
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: INVESTIGATION PERFORMED AND REPORT SUBMITTED. cLSOED 6/20/2000. sEE ARCHIVE FILE.
Remark: caller owner of property nitified on contaminated soil by testing company.

AU216 **MH #19726** **NY Spills** **S103574962**
North **2ND ST / BORDEN AVE** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.467 mi.
2468 ft. **Site 2 of 4 in cluster AU**

Relative:
Lower

Actual:
4 ft.

NY Spills:
Site ID: 320734
Facility Addr2: Not reported
Facility ID: 9810995
Spill Number: 9810995
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: JHOCONNE
Referred To: Not reported
Spill Date: 12/02/98
Reported to Dept: 12/02/98
CID: 366
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /

MH #19726 (Continued) **S103574962**

Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/04/03
Remediation Phase:	0
Date Entered In Computer:	12/02/98
Spill Record Last Update:	11/12/03
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9810995
DER Facility ID:	258402
Site ID:	320734
Operable Unit ID:	1068386
Operable Unit:	01
Material ID:	314849
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 9810995 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" E2MIS 121624 DATE: 12/2/98 Logger: Louis Cook (15851) Description : On 12/2/98 Senior Electrical Tech. F. Henry(21147) of Corrosion Survey"Central Gas Operations" found an oil sheen on top of 200 gallons of water contained inside mh 19726 for fdr Q35 L&M. Cathodic protection testing was unable to be performed at this time. Oil rags were left inside the mh and no oil entered any sewersor waterways. "REFFERED TO S&TO THROUGH EMAIL NOTIFICATION" Dept/Facility SMALL OIL SPILL Con Edison Incident No. 121624 CLEANUP CHECKLIST NYSDEC Spill No. 98-10995 Name of person completing checklist: F. HEYMACH, SUPERVISOR, 69137 Con Edison Operating Department responsible for spill cleanup: TRANS OPERS (1) A small oil spill is a spill of oil containing less than 50 ppm PCBs that does not meet the criteria for a de minimis spill and satisfies either of the following conditions: ? It is totally contained in an impervious structure, such as a manhole, vault, or moat, or ? It meets all of the following criteria: - No sewer or waterway is affected, and - No private property is affected, and - No personalinjuries are involved, and - Cleanup is completed within 72 hours of the spill discovery, and - Less than 50 gallons of oil, petroleum product of any kind, or dielectric fluid is spilled. (2) Material spilled/discovered: 0 Oil (type); PCB concentration: less than 50 ppm; known / unknown. 0 Dielectric fluid; PCB concentration: less than 50 ppm; known / unknown. Environmental Detailed Incident Report If unknown PCB concentration, was sample collected? 0 Yes 0 No (3) Sample submitted foranalysis? 0 Yes Sample ID No. 0 No For what parameters? 0 PCB 0 Benzene 0 Other Parameters Copy of chain of custody form attached? 0 Yes 0 No (4) Amount spilled/discovered: If

MH #19726 (Continued) **S103574962**

leak/spill is continuing, rate (5) When was spill discovered? Date Time (6) Location of spill. (Be as precise as possible. Include cross streets, manhole numbers, equipment box numbers, etc., as appropriate.) 0 Sketch attached (7) Source/cause of spill. (Be as precise as possible. Include equipment numbers, if possible.) 0 Unknown (8) Description of area affected by spill (include dimensions as appropriate) (9) Containment/Cleanup Activities (per GEI 2.11, 2.13, 2.16, 3.2, or 3.3) 0 Sketches attached. 0 Tightened valve. 0 Placed drip plan. 0 Sealed leak. 0 Blocked nearby sewers/drains with spill kits. X Removed/recovered liquid/solids. 0 Used absorbents to remove residual fluids. 0 Removed contaminated vegetation. X Removed visible traces of oil. X Washed stained areas. 0 Excavated contaminated soil, bluestone. 0 Other : DOUBLE WASHED MANHOLE 0 See attached contractor report. (10) Identify who performed cleanup: 0 Con Edison personnel/department? D. BADILLO, SPLICER, 92724 0 Name of contractor S & D ENVIRONMENTAL 0 Contractor report attached. (11) Cleanup completed on Date 12-04-98 Time*: 10:00 *Note: If the cleanup is completed more than 72 hours after the spill was discovered, the spill is a large oil spill. (12) Con Edison personnel directing cleanup D. BADILLO, SPLICER, 92724 ENTERED BY: E MCQUEEN, 45223, 12/15/98 END DECRemark - 9810995

Remarks: Start CallerRemark - 9810995 CON ED #121624. FEEDRS Q35L&M ARE IN HOLE. UNKNOWN IF LEAKING. RESPONSIBLE ORGANIZATION NOTIFIED FOR SAMPLING & CLEANING. END CallerRemark - 9810995

NY Hist Spills:

Region of Spill:	2
Spill Number:	9810995
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	12/02/1998 10:15
Reported to Dept Date/Time:	12/02/98 11:02
SWIS:	63
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /

MH #19726 (Continued) **S103574962**

Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 12/02/98
Date Spill Entered In Computer Data File: Not reported
Update Date: 12/04/98
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 2
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: CON ED 121624. FEEDRS Q35L M ARE IN HOLE. UNKNOWN IF LEAKING. RESPONSIBLE ORGANIZATION NOTIFIED FOR SAMPLING CLEANING.

AU217 **LONG ISLAND CITY YARD** **LTANKS** **S104781977**
North **BORDEN AV / 2ND ST** **HIST LTANKS** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.467 mi.
2468 ft. **Site 3 of 4 in cluster AU**

Relative:
Lower

Actual:
4 ft.

LTANKS:
Site ID: 263635
Spill Date: 07/27/00
Facility Addr2: Not reported
Facility ID: 0005023
Program Number: 0005023
SWIS: 4101
Region of Spill: 2
Investigator: TJDEMEO
Referred To: Not reported
Reported to Dept: 07/27/00
CID: 312
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Tank Truck
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Cleanup Meets Standard: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 07/08/03
Remediation Phase: 0

LONG ISLAND CITY YARD (Continued) **S104781977**

Date Entered In Computer:	07/27/00
Spill Record Last Update:	04/30/04
Spille Namer:	Not reported
Spiller Company:	METRO OIL
Spiller Phone:	(718) 383-1400
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	BILL KEENAN
Spiller Phone:	(718) 558-3081
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	0005023
DER Facility ID:	214915
Site ID:	263635
Operable Unit ID:	827448
Operable Unit:	01
Material ID:	549765
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50.00
Units:	Gallons
Recovered:	50.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	0005023
Investigator:	SACCACIO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	07/27/2000
Spill Time:	10:30
Reported to Department Date:	07/27/00
Reported to Department Time:	12:30

LONG ISLAND CITY YARD (Continued) **S104781977**

SWIS:	63
Spiller Contact:	BILL KEENAN
Spiller Phone:	(718) 558-3081
Spiller Extention:	Not reported
Spiller Name:	METRO OIL
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	(718) 383-1400
Facility Extention:	Not reported
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	07/27/00
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	07/28/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	50
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	50
Unkonwn Quantity Recovered:	False
Material:	DIESEL
Class Type:	DIESEL
Times Material Entry In File:	10625
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	Not reported
Spill Cause:	LESS THAN 10 GAL SPILLED TO GROUND - REMAINDER IS CONTAINED IN THE CONTAINMENT AREA - BEING CLEANED UP NOW

218 North 1/4-1/2 0.468 mi. 2473 ft. | **METALS FACTORY**
261 BORDEN AVE
LONG ISLAND, NY | **NY Spills** | **S107522410**
N/A

Relative: Lower

Actual: 7 ft.

NY Spills:

Site ID:	358730
Facility Addr2:	Not reported
Facility ID:	0512415
Spill Number:	0512415
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	HRPATEL
Referred To:	Not reported
Spill Date:	01/26/06
Reported to Dept:	01/26/06
CID:	444
Spill Cause:	Other
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/03/06
Remediation Phase:	0
Date Entered In Computer:	01/26/06
Spill Record Last Update:	05/03/06
Spiller Name:	JOANNE STOTT
Spiller Company:	METALS FACTORY
Spiller Address:	261 BORDEN AVE
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller Company:	999
Spiller Phone:	(973) 560-1400
Contact Name:	JOANNE STOTT
Contact Phone:	(973) 560-1400
DEC Region:	2
Program Number:	0512415
DER Facility ID:	308721
Site ID:	Not reported
Operable Unit ID:	Not reported
Operable Unit:	Not reported
Material ID:	Not reported
Material Code:	Not reported
Material Name:	Not reported
Case No.:	Not reported
Material FA:	Not reported
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported

DEC Memo: Start DECRemark - 0512415 01/27/06-Hiralkumar Patel. Spoke with Ms. Stott (FAX:

METALS FACTORY (Continued) **S107522410**

973-560-0400) at Environmental waste management. As per Joanne this property is in use by Metal factory. Metal Factory: Hergl metal Factory Person runnig metal factory: Berry Goldsammler (718) 729-2200 Ext. 226 Owner of the Property: R. D. Management. (212) 265-4491 Main Office of management: Mr. Edward Cohen City Closet Storage 214 W 29th St New York, NY 10001-5203 (212) 736-4491 FAX: 212-736-4494AS per Joanne, the metal company is using the AST for storing solvent that they use in metal processing. the AST is open and has one 5 ft deep pit underneath it. company storing TriChloro Ethane (TCE) in tank. Environmental Waste Management has found contamination in soil underneath tank. they found PCB, Methylene Chloride, PetroChlorodene etc. Ms. Stott going to mail me the laboratory results they have for soil and water samples. they have finished delineation and once the tenant move out from property on 1st Feb, 2006, the building will be demolished and Environmental management will remove debris from site. they will do excavation and will take end point samples for investigation. Left message for Barry at hergl at 11:53AM. from the Reverse Phone Directory, the Address i found for Barry's phone (718) 729-2200 Lan Metal Products Corporation 261 Borden Ave Long Island City, NY 11101-5803 (718) 729-2200 FAX: (718) 894-4767 NO CBS RECORDS. Left message for Edwardat main office as well as for a managing person at R. D. Management. Received call from Donna at R. D. Management and she directed me Mr. Richard Birdoss, who was not in office. i left message for Richard. Received call from Richard, but i was on phone and i couldn't make it. Left message again for Richard on (914) 645-6908. talked with Richard and he told me that Mr. Al Rossi at R.D. Management hadling this property. Received call from Mr. Rossi from R.D. Management. R.D. Management has baught this property recently. the address they got from city for this site is: 2-30 51st ave. this property is in corner of borden ave and 51st ave. Mr. Rossi doesn't know about previous owner. Contact address where we can send letter:-Al Rossi R. D. Management 810 7th Ave 28th Floor New York, NY 10019 (212) 265-6600 Ext. 305 FAX: (212) 765-8449 Main owner of this property: Fe 51st Avenue LLC C/O R.D. Management 810 7th Ave New York, NY 10019 Possible Previous Owner (from property Shark) Landau Cynthia 1476 Great Plain Ave Needham MA 02492-1237 Landau, Freda 2 Borden Avenue NY NY, 11101 01/30/06-Hiralkumar Patel. left message for Ms. Stott at Environmental Waste asking lab results and site plan.Received call from Stott, and she already sent out results in mail on friday 27th Jan. and we will receive it soon. she is going to send me site plan in email soon. With the help of Reverse PHone Directory, the previous owner is: Landau Cynthia1476 Great Plain Ave Needham MA 02492-1237 PH. (781) 455-0045 (H) (617) 645-7895 (C) As per Cynthia, her father has sold out the metal facotry in Aug. 1995. and the Lan Metal Products Corporation were running this business as a tenant forlast 10 years. Cynthia has sold out the property in Aug. 2005 and as per th contract she has with current owner, whatever contamination the new owner find, that is there responsiblity to clean up. Cynthia is not responsible for cleanup. I have askedCynthia to send me copy of that clause in email. Received call from Environmental Waste Management, and they will contact the current owner and give me call back regarding the time and date of site visit. Received Lab results in mail from Environmental Waste Management. Need to review. As per the reports i got, EWMA has sent out 11 soil samples from 7 locations on 25th May, 2005 and found some SVOC and high VOC contamination in samples. but they haven't reported that to DEC in May/June.then EWMA took 27 samples from 8 locatoins on 22nd Sep., 2005. Sample no. Depth Concentration (ppm) Trichloroehtane B-1 7/7.5 41.9 B-2 3/3.5 21.1 B-3 4/4.59.04 B-5 2.5/3 14.6 B-6 3/3.5 8.66 B-7 4/4.5 13.8 B-10 4/4.5 25.5 B-11 4/4.5 25.1 01/31/06-Hiralkumar Patel. Received site plan.

METALS FACTORY (Continued) **S107522410**

02/01/06-Hiralkumar Patel. REceived email from Ms. Stott from EWMA ---------- Good morning. I wanted to confirm our site meeting for Tuesday February 7th at the above referenced Property. Please let me know what time you would like to meet. Thanks and have a good day. ---------- Emailed back confirming day. also asked to get MSDS on day of site visit. Email from Ms. Stott ---------- Let's plan on meeting at 10 am. If your schedule changes and this is no longer a good time, please let me know and we can reschedule. Thanks. ----------02/03/06-Hiralkumar Patel. send out CSL, STIP to old owner (Ms. Cynthia) and metal factory owner (Berry) through certified mail. Receipt numbers are as follow: Cynthia: 7004 1350 0004 5755 5157 Berry: 7004 1350 0004 5755 5164 also faxed to AlRossi, Berry and Ms. STott at EWMA. As per Vought, we can handover STIP to current owner on site visit on 7th Feb. 02/06/06-Hiralkumar Patel. Spoke with Mr. Eli Hertz (Cell: 9917-335-6010, FAX: 888-410-0671), President of Lan Metal Products Corporation. he probably meet us on site on 7th Feb. 02/07/06-Hiralkumar Patel. visit site with DEC Vought. met with Robert Edgar and Joanne Stott from EWMA, Eli Hertz, demolition contractor and representative of Al Rossi. - two monitoring wellson sidewalk of property. - Concrete collection pit under tank - tank size - 7'*3.5'*8.5' - property had several empty drums on different locations. - in process, metal get cleaned in TCE before dry powder coating. for cleaning, they dip metal inTCE tank, which gets heat from bottom (gas heating system). vaporized TCE cleans metal. as the vapor rises in tank, the cooling coils on top of tank condense the vapor and collect back in tank. after some time, they take out slurry from tank for disposal. once the metal get clean, it goes into oven for drying, which in the other part of building, through conveyor belt system. - tank still has TCE in it. - this factory was in service since 1954. and previous owner was using painting also at property. Mr. Hertz was running this factory last 8 years. - because there is high contamination of TCE at 7.5' near to grounwater level, Vought asked to take groundwater sample near tank. and Vought has asked Robert to do field screening during demolition. Handover CBS application form for registration of tank. Modified STIP has been sent out to Ms. Cynthia, Eli Hertz and El Rossi. Faxed to Eli Hertz, Al Rossi, Ms. Stott and Robert Edgar. 02/14/06-Hiralkumar Patel. Received Certifiedmail receipt from Eli Hertz. 02/16/06-Hiralkumar Patel. Received Certified mail receipt from Ms. Cynthia and Mr. Rossi. 03/03/06-Hiralkumar Patel. Left message for Al Rossi. he is out of office and back on monday. 03/07/06-Hiralkumar Patel. Leftmessage for Ms. Stott at EWM. Received call from Ms. Stott. they have installed two temparory monitoring wells near the tank which used to store TCE. they found some exceedence (TCE & MeCl2). she will send us RAP for approval before implementing it.03/08/06-Hiralkumar Patel. Received message from Al Rossi (Cell: 914-263-5756) from RD Management. Left message for Mr. Rossi and asked about STIP as we haven't received signed STIP from any party and deadline for this is 15th Mar. 2006. 03/13/06-Hiralkumar Patel. Received call from Ms. Stott. she was requesting time limit extension and she has already sent out letter to Department for this request. i asked her to check with her client about STIP as the deadline is 15th Mar and we haven'treceived signed STIP from any party. she will check with current owner. 03/15/06-Hiralkumar Patel. Received signed copy of STIP in email. STIP was signed on Mar. 14 2006. STIP signed by El Rossi. they will send original in mail. 03/17/06-Hiralkumar Patel. Received letter from Ms. Stott from EWMA requesting time limit extension for RAP submission. they are expecting to finish RAP by late April or early May 2006. as per the CAP sent with STIP, they need to submit RAP within 60 days of effective date of STIP. Still Randy needs to sign STIP once we receive original. so EWMA has sufficient time for RAP submission. no need to send time

METALS FACTORY (Continued) **S107522410**

extension letter. Left message for Ms. Stott informing her that they don't need any kind of letter if they plan to submit RAP by early May. 04/21/06-Hiralkumar Patel. Left message for Mr. Rossi as i haven't received original copy of signed STIP from Mr. Rossi. Left message for Ms. Stott at EWMA. received call from Ms. Stott. she will send me the original letter if she gets it. they are working on RAP and will submit soon. i asked her to fax me water sample results and she will do it. 04/25/06-Hiralkumar Patel. Discuss groundwater contamination with Randy Austin, Koon Tang and Jeffery Vought. as per Randy, we can't handle this site as this is purely chemical contaminated site and Spills program does not have regulatory authority. and as per Koon, they can't handle this site even for the same reason. Randy suggest to handover this site to either city DEP, if it is E Designated site, or to Brownfield program. As per Randy there are no vapor mitigation (vapor barrier) requirements because of lack of regulatory authority. 04/27/06-Hiralkumar Patel. Received copy of signed STIP in fax. 04/28/06-Hiralkumar Patel. Spoke to Ms. Stott. as per Ms. Stott this is not an E desingated site. suggest her to apply in Brownfield program as this is not petroleum contaminated site. and gave her Daniel Walsh's number (718) 482-4599. they will contact Mr. Walsh. 05/02/06-Hiralkumar Patel. Jeff left note on my table as i was out of office yesterday. as per Jeff's note, he received call from Rob Edgars (973-560-1400 Ext. 159) and they are not willing to do Brownfield. they request an administrative closure of this case. 05/03/06-Vought-Received closure request from EWMA Edgar as "no discharge of petroleum has occurred on the property, the Property was not a chemical bulk storage facility and there is no information indicating that a release of a reportable quantity of hazardous substances or petroleum products occurred at the property. "...the reporting of the incident and assigning of Spill Case 0512415 to the Property was an adminstrative error. EWMA respectfully requests that you correct this administrative error by rescinding Spill Case 0512415". Spill closed and no NFA sent as per DEC Austin. Vought called Rob and left message that spill number was closed. END DECRemark - 0512415

Remarks: Start CallerRemark - 0512415 DOING SOIL TESTING, FOUND CONTAMINATION, BUILDING IS DUE TO BE DEMOLISHED AND AFTER THAT HAPPENS COMPANY WILL CLEAN UP SOIL; END CallerRemark - 0512415

AT219
SE
1/4-1/2
0.469 mi.
2476 ft.

SHELL GAS STATION
KENT ST/MCGINESS BLVD
BROOKLYN, NY

NY Spills **S102961876**
NY Hist Spills **N/A**

Site 3 of 3 in cluster AT

Relative:
Higher

Actual:
14 ft.

NY Spills:

Site ID:	144585
Facility Addr2:	Not reported
Facility ID:	9709991
Spill Number:	9709991
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	CAENGELH
Referred To:	Not reported
Spill Date:	11/29/97
Reported to Dept:	11/29/97
CID:	322
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Local Agency

SHELL GAS STATION (Continued) **S102961876**

Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: No spill occured. No DEC Response. No corrective action required.
Spill Closed Dt: 11/29/97
Remediation Phase: 0
Date Entered In Computer: 11/29/97
Spill Record Last Update: 12/03/97
Spiller Name: Not reported
Spiller Company: NYC DPW - WATER DEPT
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001
Spiller Phone: Not reported
Contact Name: COMM HAUER
Contact Phone: (917) 769-1469
DEC Region: 2
Program Number: 9709991
DER Facility ID: 123225
Site ID: Not reported
Operable Unit ID: Not reported
Operable Unit: Not reported
Material ID: Not reported
Material Code: Not reported
Material Name: Not reported
Case No.: Not reported
Material FA: Not reported
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: Not reported
DEC Memo: Start DECRemark - 9709991 Prior to Sept, 2004 data translation this spill Lead DEC Field was "ENGELHARDT" END DECRemark - 9709991
Remarks: Start CallerRemark - 9709991 NYC HAS A LARGE WATERMAIN BREAK IN THE ABOVE LOCATION (12" MAIN) - THE COMMISSIONER OF EMERGENCY SERVICES IS REQUESTING A DEC RESPONSE BECAUSE HE BELIEVES THE WATER WILL ENTER AN UNDERGROUND GAS TANK AT THE ABOVE LOCATION - THE MAYORS OFFICE ALSO CCALLED / JEANNIE WILLIAMS AT 212-374-5500 AND WAMTED A CALL BACK END CallerRemark - 9709991

NY Hist Spills:
Region of Spill: 2
Spill Number: 9709991
Investigator: ENGELHARDT
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 11/29/1997 07:15
Reported to Dept Date/Time: 11/29/97 07:41
SWIS: 61
Spiller Name: NYC DPW - WATER DEPT
Spiller Contact: Not reported

SHELL GAS STATION (Continued) **S102961876**

Spiller Phone:	Not reported
Spiller Contact:	COMM HAUER
Spiller Phone:	(917) 769-1469
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	02
Spill Notifier:	Local Agency
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	No spill occured. No DEC Response. No corrective action required.
Spill Closed Dt:	11/29/97
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	11/29/97
Date Spill Entered In Computer Data File:	Not reported
Update Date:	12/03/97
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Not reported
Quantity Spilled:	Not reported
Unkonwn Quantity Spilled:	Not reported
Units:	Not reported
Quantity Recovered:	Not reported
Unkonwn Quantity Recovered:	Not reported
Material:	Not reported
Class Type:	Not reported
Times Material Entry In File:	Not reported
CAS Number:	Not reported
Last Date:	Not reported
DEC Remarks:	Not reported
Remark:	NYC HAS A LARGE WATERMAIN BREAK IN THE ABOVE LOCATION 12 MAIN) - THE COMMISSIONER OF EMERGENCY SERVICES IS REQUESTING A DEC RESPONSE BECAUSE HE BELIEVES THE WATER WILL ENTER AN UNDERGROUND GAS TANK AT THE ABOVE LOCATION - THE MAYORS OFFICE ALSO CCALLED / JEANNIE WILLIAMS AT 212-374-5500 AND WAMTED A CALL BACK

AV220 **N E C / B N S** **NY Spills** **S104952453**
NE **10-26 53RD AVE** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.469 mi.
2478 ft. **Site 1 of 2 in cluster AV**

Relative:
Lower

Actual:
6 ft.

NY Spills:

Site ID:	116725
Facility Addr2:	Not reported
Facility ID:	0011702
Spill Number:	0011702
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	TJDEMEO
Referred To:	Not reported
Spill Date:	07/01/00
Reported to Dept:	01/30/01
CID:	07
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/31/03
Remediation Phase:	0
Date Entered In Computer:	01/30/01
Spill Record Last Update:	10/31/03
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	FRED PURSINO
Contact Phone:	(212) 789-3775
DEC Region:	2
Program Number:	0011702
DER Facility ID:	89376
Site ID:	116725
Operable Unit ID:	833681
Operable Unit:	01
Material ID:	542005
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Air
Oxygenate:	False
DEC Memo:	Start DECRemark - 0011702 Prior to Sept, 2004 data translation this spill Lead

N E C / B N S (Continued) **S104952453**

DEC Field was "DEMEO" 4/25/2002 TIPPLE VISITED SITE DURING A RAIN EVENT. THERE WAS A DESTINCT SMELL OF PETROLEUM IN THE WAREHOUSE AT 2PM THIS AFTERNOON. 10/31/03 TJD No recent history. Old vapor complaint. Spill closed. END DECRemark - 0011702

Remarks: Start CallerRemark - 0011702 CALLER STATES THAT ON RAINY DAYS THE ENTIRE BUILDING SMELLS OF GAS. CALLER BELIEVES THAT THERE IS A POSSIBLE CONTAMINATION OF GROUNDWATER END CallerRemark - 0011702

NY Hist Spills:

Region of Spill:	2
Spill Number:	0011702
Investigator:	DEMEO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/01/2000 12:00
Reported to Dept Date/Time:	01/30/01 11:30
SWIS:	63
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	FRED PURSINO
Spiller Phone:	(212) 789-3775
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/30/01
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/30/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

N E C / B N S (Continued) **S104952453**

Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: CALLER STATES THAT ON RAINY DAYS THE ENTIRE BUILDING SMELLS OF GAS. CALLER BELIEVES THAT THERE IS A POSSIBLE CONTAMINATION OF GROUNDWATER

AV221
NE
1/4-1/2
0.469 mi.
2478 ft.

10-26 53RD AVENUE — **NY Spills** **S102150743**
10-26 53RD AVENUE — **NY Hist Spills** **N/A**
LONG ISLAND CITY, NY

Site 2 of 2 in cluster AV

Relative:
Lower

Actual:
6 ft.

NY Spills:
Site ID: 100704
Facility Addr2: Not reported
Facility ID: 9506878
Spill Number: 9506878
Facility Type: ER
SWIS: 4101
Region of Spill: 2
Investigator: GARDINEER
Referred To: Not reported
Spill Date: 09/06/95
Reported to Dept: 09/06/95
CID: 07
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Other
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/16/97
Remediation Phase: 0
Date Entered In Computer: 10/05/95
Spill Record Last Update: 05/02/02
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 999
Spiller Phone: Not reported
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2

10-26 53RD AVENUE (Continued) **S102150743**

Program Number: 9506878
DER Facility ID: 89376
Site ID: 100704
Operable Unit ID: 1021640
Operable Unit: 01
Material ID: 364835
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: -1.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
Site ID: 100704
Operable Unit ID: 1021640
Operable Unit: 01
Material ID: 364836
Material Code: 0030A
Material Name: LEAD
Case No.: 07439921
Material FA: Hazardous Material
Quantity: 0.00
Units: Pounds
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9506878 CALLER BE MOVING TANKS ON THIS SITE - SOIL TEST ARE SHOWING HIGH AMOUNTS OF LEAD - THIS LOT IS NEXT TO OLD REFINERY - NO ACTION BEING DONE UNTIL THEY TALK WITH DEC - PLEASE CALL REPORTING PERSON END CallerRemark - 9506878

NY Hist Spills:
Region of Spill: 2
Spill Number: 9506878
Investigator: GARDINEER
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 09/06/1995 08:49
Reported to Dept Date/Time: 09/06/95 09:49
SWIS: 63
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Other

10-26 53RD AVENUE (Continued) **S102150743**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/16/97
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/05/95
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/16/97
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Nonpetroleum/Nonhazardous
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: LEAD
Class Type: LEAD
Times Material Entry In File: 0
CAS Number: 07439921
Last Date: Not reported
DEC Remarks: REFERRED TO HAZ WASTE DIV
Remark: CALLER BE MOVING TANKS ON THIS SITE - SOIL TEST ARE SHOWING HIGH AMOUNTS OF LEAD - THIS LOT IS NEXT TO OLD REFINERY - NO ACTION BEING DONE UNTIL THEY TALK WITH DEC - PLEASE CALL REPORTING PERSON

222 East 1/4-1/2 0.470 mi. 2482 ft. | **GREEN ST & PROVOST/BKLYN**
GREEN ST / PROVOST
NEW YORK CITY, NY | **NY Spills** | **S102146147**
NY Hist Spills | **N/A**

Relative: Lower

Actual: 11 ft.

NY Spills:

Site ID:	143052
Facility Addr2:	Not reported
Facility ID:	9011235
Spill Number:	9011235
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SJMILLER
Referred To:	Not reported
Spill Date:	01/23/91
Reported to Dept:	01/23/91
CID:	Not reported
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	02/25/91
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	02/25/91
Remediation Phase:	0
Date Entered In Computer:	02/28/91
Spill Record Last Update:	09/11/06
Spiller Name:	Not reported
Spiller Company:	BUCKEYE?
Spiller Address:	P O BOX 606-JFK
Spiller City,St,Zip:	JAMAICA, NY 11430
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9011235
DER Facility ID:	122034
Site ID:	143052
Operable Unit ID:	951376
Operable Unit:	01
Material ID:	427786
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Not reported
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False

DEC Memo: Start DECRemark - 9011235 Prior to Sept, 2004 data translation this spill Lead
DEC Field was "MILLER" 02/25/91: EXXON INVESTIGATING ALONG GREEN ST WITHIN

GREEN ST & PROVOST/BKLYN (Continued) **S102146147**

Remarks: MONTH FAILED TO INDENTIFY A SUBSURFACE FLOATING PRODUCT,NEAREST TEST BORING OF EXXON WITHIN 50FT OF REPORTED BUCKEYE BORING,DEC TO CLOSELY MONITOR SITUATION. 10/10/95: This is additional information about material spilled from the translation of the old spill file: SLUDGE LIKE MATERIAL. END DECRemark - 9011235 Start CallerRemark - 9011235 BORING NEXT TO PIPELINE FOR ANODE GROUND BED(MAGNESIUM),SLUDGE LIKE MATERIAL FOUND IN (3) 20FT BORINGS, DEC (MILLER) AT SITE,1/22/91-14:00 END CallerRemark - 9011235

NY Hist Spills:

Region of Spill:	2
Spill Number:	9011235
Investigator:	MILLER
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	01/23/1991 14:00
Reported to Dept Date/Time:	01/23/91 14:01
SWIS:	61
Spiller Name:	BUCKEYE?
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	P O BOX 606-JFK
Spiller City,St,Zip:	JAMAICA, NY 11430
Spill Cause:	Unknown
Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	02/25/91
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	02/25/91
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/28/91
Date Spill Entered In Computer Data File:	Not reported
Update Date:	03/12/91
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False

GREEN ST & PROVOST/BKLYN (Continued) **S102146147**

Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 02/25/91: EXXON INVESTIGATING ALONG GREEN ST WITHIN MONTH FAILED TO INDENTIFY A SUBSURFACE FLOATING PRODUCT,NEAREST TEST BORING OF EXXON WITHIN 50FT OF REPORTED BUCKEYE BORING,DEC TO CLOSELY MONITOR SITUATION. 10/10/95: This is additional information about material spilled from the translation of the old spill file: SLUDGE LIKE MATERIAL.
Remark: BORING NEXT TO PIPELINE FOR ANODE GROUND BED MAGNESIUM),SLUDGE LIKE MATERIAL FOUND IN 3) 20FT BORINGS, DEC MILLER) AT SITE,1/22/91-14:00

AU223 **50-3519 2ND ST** **LTANKS** **S102233194**
North **50-3519 2ND ST.** **HIST LTANKS** **N/A**
1/4-1/2 **FLUSHING, NY**
0.477 mi.
2517 ft. **Site 4 of 4 in cluster AU**

Relative:
Lower

Actual:
4 ft.

LTANKS:
Site ID: 236119
Spill Date: 10/25/94
Facility Addr2: Not reported
Facility ID: 9409964
Program Number: 9409964
SWIS: 4101
Region of Spill: 2
Investigator: CAENGELH
Referred To: Not reported
Reported to Dept: 10/25/94
CID: Not reported
Spill Cause: Tank Failure
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Other
Cleanup Ceased: / /
Cleanup Meets Standard: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/04/95
Remediation Phase: 0
Date Entered In Computer: 12/27/48
Spill Record Last Update: 01/05/96
Spille Namer: Not reported
Spiller Company: UNKNOWN
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 999
Spiller Contact: BETTY ASCH
Spiller Phone: (718) 357-7317

50-3519 2ND ST (Continued) **S102233194**

Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9409964
DER Facility ID:	194511
Site ID:	236119
Operable Unit ID:	1003932
Operable Unit:	01
Material ID:	375837
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9409964
Investigator:	ENGELHARDT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	10/25/1994
Spill Time:	17:30
Reported to Department Date:	10/25/94
Reported to Department Time:	19:47
SWIS:	63
Spiller Contact:	BETTY ASCH
Spiller Phone:	(718) 357-7317
Spiller Extention:	Not reported
Spiller Name:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Failure

50-3519 2ND ST (Continued) **S102233194**

Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/04/95
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	12/27/48
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	01/05/96
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Raw Sewage
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN MATERIAL
Class Type:	UNKNOWN MATERIAL
Times Material Entry In File:	9140
CAS Number:	Not reported
Last Date:	19941109
DEC Remarks:	Not reported
Spill Cause:	SPILL INSIDE BASEMENT. PETRO OIL ON SCENE . APPLIED TEMPORARY PATCH. GOING TO NOTIFY TANK IS TO REPLACE TANK. NONE ELSE NOTIFIED DN NO CALL BACK IS REQUESTED. TANK FOR HOME HEATING.

AW224 **DITMAS OIL-LONG ISLAND CITY** **MOSF AST** **1000545042**
NE **53-02 11TH ST.** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101**
0.483 mi.
2551 ft. **Site 1 of 2 in cluster AW**

Relative:
Lower

Actual:
6 ft.

MOSF AST:

MOSF Number:	2-2020
SWIS Code:	63
Facility Town:	NEW YORK CITY
Facility Phone:	(718) 782-4200
Emergency Contact Name:	GEORGE ESAYAN
Emergency Contact Phone:	(718) 782-4200
Total Tanks:	0

DITMAS OIL-LONG ISLAND CITY (Continued) **1000545042**

Total Capacity:	0
Daily Throughput:	0
License Status:	MOSF AST
Facility Type:	STORAGE TERMINAL/PETROLEUM DISTRIBUTOR
Product Transfer Operation:	AC
Facility Status:	INACTIVE FACILITY
Operator Name:	GEORGE ESAYAN
Owner Name:	DITMAS OIL ASSOC., INC.
Owner Address:	53-02 11TH STREET
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101-
Owner Phone:	(718) 782-4200
Owner Type:	Corporate/Commercial
Owner Status:	1
Owner Mark:	First Owner
Mailing Name:	DITMAS OIL ASSOC., INC.
Mailing Address:	53-02 11TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101-
Mailing Contact:	GEORGE ESAYAN
Mailing Phone:	(718) 782-4200
Legal Agent Name:	CARL SULFARO, ESQ.
Legal Agent Address:	2728 HENRY HUDSON PKWY SUITE #33A
Legal Agent City,St,Zip:	BRONX, NY 10463-
LIC Expires:	03/31/1991

Tank ID:	24
Tank Location:	ABOVEGROUND
Install Date:	05/34
Product:	EMPTY
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Contain:	8
Leak Detection:	Groundwater Well
Overfill Protection:	24
Dispensing Mthd:	Gravity
Test Date:	00/82
Date Closed:	03/96
Status of Data:	Major Errors
Capacity (gal):	0
Lat/Long:	40|44|22 / 73|57|15
Federal ID:	Not reported
Inspected Date:	11/20/1990
Inspector:	Not reported
Renew Date:	11/16/1994
Inspected State:	Not reported
Pipe Flag:	False
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	0
COI Date:	/ /
Date License Issued:	03/27/1990

DITMAS OIL-LONG ISLAND CITY (Continued) **1000545042**

Date License Application Received:	01/25/1995
Chemical Bulk Storage Number:	Not reported
Pollution Discharge Elimination System Num:	0-104604
Date Legal Agent Filed with Secretary of State:	06/85

Tank ID:	25
Tank Location:	ABOVEGROUND
Install Date:	05/34
Product:	EMPTY
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Contain:	8
Leak Detection:	Groundwater Well
Overfill Protection:	24
Dispensing Mthd:	Gravity
Test Date:	00/82
Date Closed:	03/96
Status of Data:	Major Errors
Capacity (gal):	0
Lat/Long:	40|44|22 / 73|57|15
Federal ID:	Not reported
Inspected Date:	11/20/1990
Inspector:	Not reported
Renew Date:	11/16/1994
Inspected State:	Not reported
Pipe Flag:	False
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	0
COI Date:	/ /
Date License Issued:	03/27/1990
Date License Application Received:	01/25/1995
Chemical Bulk Storage Number:	Not reported
Pollution Discharge Elimination System Num:	0-104604
Date Legal Agent Filed with Secretary of State:	06/85

Tank ID:	26
Tank Location:	ABOVEGROUND
Install Date:	05/34
Product:	EMPTY
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Contain:	8

DITMAS OIL-LONG ISLAND CITY (Continued) **1000545042**

Leak Detection:	Groundwater Well
Overfill Protection:	24
Dispensing Mthd:	Gravity
Test Date:	00/82
Date Closed:	03/96
Status of Data:	Major Errors
Capacity (gal):	0
Lat/Long:	40|44|22 / 73|57|15
Federal ID:	Not reported
Inspected Date:	11/20/1990
Inspector:	Not reported
Renew Date:	11/16/1994
Inspected State:	Not reported
Pipe Flag:	False
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	0
COI Date:	/ /
Date License Issued:	03/27/1990
Date License Application Received:	01/25/1995
Chemical Bulk Storage Number:	Not reported
Pollution Discharge Elimination System Num:	0-104604
Date Legal Agent Filed with Secretary of State:	06/85

Tank ID:	28
Tank Location:	ABOVEGROUND 10% OR MORE BELOW GROUND
Install Date:	07/74
Product:	EMPTY
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Contain:	Remote Impounding Area
Leak Detection:	Groundwater Well
Overfill Protection:	24
Dispensing Mthd:	Submersible
Test Date:	Not reported
Date Closed:	03/96
Status of Data:	Major Errors
Capacity (gal):	0
Lat/Long:	40|44|22 / 73|57|15
Federal ID:	Not reported
Inspected Date:	11/20/1990
Inspector:	Not reported
Renew Date:	11/16/1994
Inspected State:	Not reported
Pipe Flag:	False
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	0
COI Date:	/ /
Date License Issued:	03/27/1990

DITMAS OIL-LONG ISLAND CITY (Continued) **1000545042**

Date License Application Received:	01/25/1995
Chemical Bulk Storage Number:	Not reported
Pollution Discharge Elimination System Num:	0-104604
Date Legal Agent Filed with Secretary of State:	06/85

Tank ID:	27E
Tank Location:	ABOVEGROUND 10% OR MORE BELOW GROUND
Install Date:	05/48
Product:	EMPTY
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Contain:	Remote Impounding Area
Leak Detection:	Groundwater Well
Overfill Protection:	24
Dispensing Mthd:	Submersible
Test Date:	Not reported
Date Closed:	03/98
Status of Data:	Major Errors
Capacity (gal):	0
Lat/Long:	40|44|22 / 73|57|15
Federal ID:	Not reported
Inspected Date:	11/20/1990
Inspector:	Not reported
Renew Date:	11/16/1994
Inspected State:	Not reported
Pipe Flag:	False
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	0
COI Date:	/ /
Date License Issued:	03/27/1990
Date License Application Received:	01/25/1995
Chemical Bulk Storage Number:	Not reported
Pollution Discharge Elimination System Num:	0-104604
Date Legal Agent Filed with Secretary of State:	06/85

Click this hyperlink while viewing on your computer to access
1 additional NY_AST_MOS: record(s) in the EDR Site Report.

AX225 **FRANKLIN & NOBLE ST** **NY Spills** **S102142481**
South **FRANKLIN / NOBLE ST** **NY Hist Spills** **N/A**
1/4-1/2 **BKLYN, NY**
0.483 mi.
2552 ft. **Site 1 of 2 in cluster AX**

Relative:
Higher

Actual:
15 ft.

NY Spills:

Site ID:	80112
Facility Addr2:	Not reported
Facility ID:	9110269
Spill Number:	9110269
Facility Type:	ER

FRANKLIN & NOBLE ST (Continued) **S102142481**

SWIS:	2401
Region of Spill:	2
Investigator:	O'DOWD
Referred To:	Not reported
Spill Date:	12/31/91
Reported to Dept:	12/31/91
CID:	Not reported
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Fire Department
Cleanup Ceased:	12/31/91
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	12/31/91
Remediation Phase:	0
Date Entered In Computer:	01/07/92
Spill Record Last Update:	09/30/04
Spiller Name:	Not reported
Spiller Company:	RAD OIL
Spiller Address:	287 WILLIAM ST
Spiller City,St,Zip:	PURCHASE, NY 10577
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9110269
DER Facility ID:	74281
Site ID:	80112
Operable Unit ID:	960283
Operable Unit:	01
Material ID:	418818
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	300.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9110269 NYFD, NYCDEP ON SCENE. SANITATION SANDED. TYREE VACUUMED & SWEPT. END CallerRemark - 9110269

NY Hist Spills:

Region of Spill:	2
Spill Number:	9110269
Investigator:	O'DOWD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported

FRANKLIN & NOBLE ST (Continued) **S102142481**

Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	12/31/1991 06:00
Reported to Dept Date/Time:	12/31/91 07:37
SWIS:	61
Spiller Name:	RAD OIL
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	287 WILLIAM ST
Spiller City,St,Zip:	PURCHASE, NY 10577
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	08
Spill Notifier:	Fire Department
PBS Number:	Not reported
Cleanup Ceased:	12/31/91
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	12/31/91
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/07/92
Date Spill Entered In Computer Data File:	Not reported
Update Date:	/ /
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	300
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	Not reported
Remark:	NYFD, NYCDEP ON SCENE. SANITATION SANDED. TYREE VACUUMED SWEPT.

AX226 **79 FRANKLIN ST** **NY Spills** **S102146421**
South **79 FRANKLIN ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.483 mi.
2552 ft. **Site 2 of 2 in cluster AX**

Relative:
Higher

Actual:
15 ft.

NY Spills:

Site ID:	62594
Facility Addr2:	Not reported
Facility ID:	9301226
Spill Number:	9301226
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	CAMMISA
Referred To:	Not reported
Spill Date:	04/26/93
Reported to Dept:	04/26/93
CID:	14
Spill Cause:	Deliberate
Water Affected:	EAST RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Federal Government
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/16/97
Remediation Phase:	0
Date Entered In Computer:	04/27/93
Spill Record Last Update:	10/17/97
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9301226
DER Facility ID:	60668
Site ID:	62594
Operable Unit ID:	983137
Operable Unit:	01
Material ID:	567374
Material Code:	0010A
Material Name:	HYDRAULIC OIL
Case No.:	Not reported
Material FA:	Other
Quantity:	0.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	62594

79 FRANKLIN ST (Continued) **S102146421**

Operable Unit ID: 983137
Operable Unit: 01
Material ID: 567375
Material Code: 0022
Material Name: Waste Oil/Used Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0.00
Units: Pounds
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 9301226 ANON. NOTIF STATE THAT OIL LEAKING FROM MACHINES DRAINS INTO DROP-PANS WHICH LEAK INTO STORM DRAIN INSIDE BUILDING SUSPECT EAST RIVER AFFECTED-NO CLEAN-UP END CallerRemark - 9301226

NY Hist Spills:
Region of Spill: 2
Spill Number: 9301226
Investigator: CAMMISA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 04/26/1993 13:43
Reported to Dept Date/Time: 04/26/93 14:00
SWIS: 61
Spiller Name: SAME
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Deliberate
Reported to Dept: On Land
Water Affected: EAST RIVER
Spill Source: 01
Spill Notifier: Federal Government
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/16/97
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/27/93
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/17/97

79 FRANKLIN ST (Continued) **S102146421**

Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	WASTE OIL
Class Type:	WASTE OIL
Times Material Entry In File:	9509
CAS Number:	Not reported
Last Date:	19940927
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	HYDRAULIC OIL
Class Type:	HYDRAULIC OIL
Times Material Entry In File:	1846
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	Not reported
Remark:	ANON. NOTIF STATE THAT OIL LEAKING FROM MACHINES DRAINS INTO DROP-PANS WHICH LEAK INTO STORM DRAIN INSIDE BUILDING SUSPECT EAST RIVER AFFECTED-NO CLEAN-UP

AW227 **53 KENT AVE / N 11TH ST** **NY Spills** **S103034846**
NE **53 KENT AVE / N 11TH ST** **NY Hist Spills** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.486 mi.
2565 ft. **Site 2 of 2 in cluster AW**

Relative:
Lower

Actual:
6 ft.

NY Spills:

Site ID:	271203
Facility Addr2:	Not reported
Facility ID:	9103108
Spill Number:	9103108
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	06/16/91
Reported to Dept:	06/18/91
CID:	Not reported
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	/ /
Cleanup Meets Std:	False

53 KENT AVE / N 11TH ST (Continued) **S103034846**

Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/09/06
Remediation Phase:	0
Date Entered In Computer:	07/10/91
Spill Record Last Update:	06/09/06
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9103108
DER Facility ID:	220741
Site ID:	271203
Operable Unit ID:	953914
Operable Unit:	01
Material ID:	425568
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
DEC Memo:	Start DECRemark - 9103108 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" 06/18/91: (6) TRUCK LOADS OF 25 CUBIC YDS OF OIL SOAKED SOIL HAS BEEN TRANSPORTED & AT ASH STREET SITE. AAA IS ON SCENE TO CLEAN UP, PIPELINE HAS BEEN CLAMPED TO FIX LEAK. PIPELINE IS NOW FILLED WITH LOW-POUR OIL. Update 6/9/06 Spill closed based on final site investigation report located in eDocs App. B Site 25. (SKA) END DECRemark - 9103108
Remarks:	Start CallerRemark - 9103108 OIL CAME OUT OF A MANWAY ONTO THE ROAD,CITIZEN REPORTED SPILL TO CON ED,NYSDEC WAS NEVER FORMALLY NOTIFIED BY CON ED,20" PIPELINE FAILURE. END CallerRemark - 9103108

NY Hist Spills:

Region of Spill:	2
Spill Number:	9103108
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/16/1991 11:00
Reported to Dept Date/Time:	06/18/91 12:00
SWIS:	61
Spiller Name:	CON ED

53 KENT AVE / N 11TH ST (Continued) **S103034846**

Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	DEC
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/10/91
Date Spill Entered In Computer Data File:	Not reported
Update Date:	03/03/98
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#6 FUEL OIL
Class Type:	#6 FUEL OIL
Times Material Entry In File:	2190
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	06/18/91: 6) TRUCK LOADS OF 25 CUBIC YDS OF OIL SOAKED SOIL HAS BEEN TRANSPORTED AT ASH STREET SITE. AAA IS ON SCENE TO CLEAN UP, PIPELINE HAS BEEN CLAMPED TO FIX LEAK. PIPELINE IS NOW FILLED WITH LOW-POUR OIL.
Remark:	OIL CAME OUT OF A MANWAY ONTO THE ROAD,CITIZEN REPORTED SPILL TO CON ED,NYSDEC WAS NEVER FORMALLY NOTIFIED BY CON ED,20 PIPELINE FAILURE.

AY228 **EXXON COMPANY USA** **MOSF UST** **S102633590**
East **320 FREEMAN STREET** **MOSF AST** **N/A**
1/4-1/2 **BROOKLYN, NY 11222**
0.489 mi.
2581 ft. **Site 1 of 5 in cluster AY**

Relative:
Lower

Actual:
10 ft.

MOSF UST:

Facility ID:	2-1300
SWIS Code:	61
Facility Town:	NEW YORK CITY
Contact Phone:	(201) 474-3505
Emerg Contact:	C.P. KRAMER
Emergency Telephone:	(201) 474-3505
CBS Number:	2-000218
SPDES Num:	0-005339
Total Tanks:	0
Total Capacity:	0
Avg Throughput:	5135
License Stat:	Not reported
Facility Status:	NO LONGER A MAJOR FACILITY
Facility Type:	STORAGE TERMINAL/PETROLEUM DISTRIBUTOR
Prod Xfer Options:	CD
Expiration Date:	03/31/1992
Applic Rcvd:	02/06/1992
Operator:	C.P. KRAMER
Owner Name:	EXXON COMPANY, USA
Owner Address:	P.O. BOX 4415
Owner City,St,Zip:	HOUSTON, TX 77210-4415
Owner Telephone:	(713) 656-9216
Owner Type:	Corporate/Commercial
Owner Status:	1
Owner Mark:	First Owner
Mail To Name:	EXXON COMPANY, USA
Mail To Address:	320 FREEMAN STREET
Mail To Address 2:	Not reported
Mail City,St,Zip:	BROOKLYN, NY 11222-
Mail To Contact:	ROBERT FJELSTAD
Mail To Telephone:	(718) 389-9025
Legal Agent Name:	C.T. CORP. SYSTEM
Legal Agent Address:	277 PARK AVENUE
Legal Agent City,St,Zip:	NEW YORK, NY 10017-
Date Filed:	10/72
Tank ID:	1
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None

EXXON COMPANY USA (Continued) **S102633590**

Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	10
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	11
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN

EXXON COMPANY USA (Continued) **S102633590**

Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	12
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported

EXXON COMPANY USA (Continued) **S102633590**

Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	13
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	14
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0

EXXON COMPANY USA (Continued) **S102633590**

Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	15
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	16
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0

EXXON COMPANY USA (Continued) **S102633590**

Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	17
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True

EXXON COMPANY USA (Continued) **S102633590**

Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	18
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	19
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported

EXXON COMPANY USA (Continued) **S102633590**

Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	2
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	20
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel

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Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	21
Tank Location:	UNDERGROUND
Install Date:	01/35
Capacity (Gal):	101598
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	42
Dispenser:	Submersible
Test Date:	03/90
Date Closed:	09/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991

EXXON COMPANY USA (Continued) **S102633590**

Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	22
Tank Location:	UNDERGROUND
Install Date:	01/35
Capacity (Gal):	101598
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	03/90
Date Closed:	09/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	23
Tank Location:	UNDERGROUND
Install Date:	01/35
Capacity (Gal):	101514
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	03/90
Date Closed:	09/91

EXXON COMPANY USA (Continued) **S102633590**

Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	24
Tank Location:	UNDERGROUND
Install Date:	01/35
Capacity (Gal):	101514
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	03/90
Date Closed:	09/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	25
Tank Location:	UNDERGROUND
Install Date:	01/35
Capacity (Gal):	101556
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None

EXXON COMPANY USA (Continued) **S102633590**

Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	08/85
Date Closed:	09/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	26
Tank Location:	UNDERGROUND
Install Date:	01/49
Capacity (Gal):	101514
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	08/85
Date Closed:	09/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported

EXXON COMPANY USA (Continued) **S102633590**

COI Date: / /

Tank ID: 27
Tank Location: UNDERGROUND
Install Date: 01/49
Capacity (Gal): 101976
Product: EMPTY
Tank Status: 0
Tank Type: Steel/carbon steel
Tank Internal: Fiberglass Liner (FRP)
Tank External: None
Pipe Location: Aboveground
Pipe Type: STEEL/IRON
Pipe Internal: None
Pipe External: None
Second Contain: None
Leak Detection: None
Overfill Protection: 24
Dispenser: Submersible
Test Date: 12/87
Date Closed: 09/91
Latitude: 40|44|06
Longitude: 73|56|52
Status of Data: Complete
Inspected Date: / /
Inspector Initials: Not reported
Inspector Status: Not reported
Pipe Flag: True
License Issued: 10/23/1991
Vessel Id: Not reported
Renew Flag: True
Renew Date: 10/30/1991
Federal Id No: Not reported
COI Date: / /

Tank ID: 28
Tank Location: UNDERGROUND
Install Date: 01/49
Capacity (Gal): 101934
Product: EMPTY
Tank Status: 0
Tank Type: Steel/carbon steel
Tank Internal: Fiberglass Liner (FRP)
Tank External: Impressed Current
Pipe Location: Aboveground
Pipe Type: STEEL/IRON
Pipe Internal: None
Pipe External: None
Second Contain: None
Leak Detection: None
Overfill Protection: 24
Dispenser: Submersible
Test Date: 12/87
Date Closed: 09/91
Latitude: 40|44|06

EXXON COMPANY USA (Continued) **S102633590**

Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	3
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	4
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None

EXXON COMPANY USA (Continued) **S102633590**

Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	5
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

EXXON COMPANY USA (Continued) **S102633590**

Tank ID:	6
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	60
Tank Location:	UNDERGROUND
Install Date:	01/54
Capacity (Gal):	489006
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	09/87
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /

EXXON COMPANY USA (Continued) **S102633590**

Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	61
Tank Location:	UNDERGROUND
Install Date:	01/54
Capacity (Gal):	489006
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	11/87
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	62
Tank Location:	UNDERGROUND
Install Date:	01/54
Capacity (Gal):	500010
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None

EXXON COMPANY USA (Continued) **S102633590**

Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	02/87
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	63
Tank Location:	UNDERGROUND
Install Date:	01/54
Capacity (Gal):	500010
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	11/87
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	64

EXXON COMPANY USA (Continued) **S102633590**

Tank Location:	UNDERGROUND
Install Date:	01/54
Capacity (Gal):	500010
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	12/88
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	65
Tank Location:	UNDERGROUND
Install Date:	01/54
Capacity (Gal):	500010
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	10/87
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported

EXXON COMPANY USA (Continued) **S102633590**

Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	66
Tank Location:	UNDERGROUND
Install Date:	01/54
Capacity (Gal):	500010
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	05/90
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	67
Tank Location:	UNDERGROUND
Install Date:	01/54
Capacity (Gal):	249984
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None

EXXON COMPANY USA (Continued) **S102633590**

Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	06/88
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	68
Tank Location:	UNDERGROUND
Install Date:	01/54
Capacity (Gal):	124992
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	05/90
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	69
Tank Location:	UNDERGROUND

EXXON COMPANY USA (Continued) **S102633590**

Install Date:	01/54
Capacity (Gal):	124992
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	24
Dispenser:	Submersible
Test Date:	05/90
Date Closed:	10/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	7
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported

EXXON COMPANY USA (Continued) **S102633590**

Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	8
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	9
Tank Location:	UNDERGROUND
Install Date:	01/29
Capacity (Gal):	30000
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Contain:	None

EXXON COMPANY USA (Continued) **S102633590**

Leak Detection:	None
Overfill Protection:	None
Dispenser:	0
Test Date:	Not reported
Date Closed:	03/92
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	PB1
Tank Location:	UNDERGROUND
Install Date:	03/91
Capacity (Gal):	4000
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	Vault (w/access)
Leak Detection:	Not reported
Overfill Protection:	None
Dispenser:	Submersible
Test Date:	Not reported
Date Closed:	08/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Minor Errors
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	PB2
Tank Location:	UNDERGROUND
Install Date:	03/91

EXXON COMPANY USA (Continued) **S102633590**

Capacity (Gal):	4000
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	Vault (w/access)
Leak Detection:	Not reported
Overfill Protection:	None
Dispenser:	Submersible
Test Date:	Not reported
Date Closed:	08/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Minor Errors
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	UG1
Tank Location:	UNDERGROUND
Install Date:	01/86
Capacity (Gal):	550
Product:	UNKNOWN
Tank Status:	0
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	Other
Leak Detection:	None
Overfill Protection:	None
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	00/00
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True

EXXON COMPANY USA (Continued) **S102633590**

License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	UG2
Tank Location:	UNDERGROUND
Install Date:	03/91
Capacity (Gal):	275
Product:	EMPTY
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	Other
Leak Detection:	None
Overfill Protection:	None
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	08/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	UG3
Tank Location:	UNDERGROUND
Install Date:	12/86
Capacity (Gal):	4000
Product:	NOS 1,2, OR 4 FUEL OIL
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	Other
Leak Detection:	None

EXXON COMPANY USA (Continued) **S102633590**

Overfill Protection:	None
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	00/00
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Complete
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	VR1
Tank Location:	UNDERGROUND
Install Date:	03/91
Capacity (Gal):	0
Product:	UNLEADED GASOLINE
Tank Status:	0
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispenser:	Suction
Test Date:	Not reported
Date Closed:	08/91
Latitude:	40|44|06
Longitude:	73|56|52
Status of Data:	Major Errors
Inspected Date:	/ /
Inspector Initials:	Not reported
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	10/23/1991
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	10/30/1991
Federal Id No:	Not reported
COI Date:	/ /

MOSF AST:

MOSF Number:	2-1300
SWIS Code:	61
Facility Town:	NEW YORK CITY
Facility Phone:	(201) 474-3505

EXXON COMPANY USA (Continued) **S102633590**

Emergency Contact Name:	C.P. KRAMER
Emergency Contact Phone:	(201) 474-3505
Total Tanks:	0
Total Capacity:	0
Daily Throughput:	5135
License Status:	MOSF AST
Facility Type:	STORAGE TERMINAL/PETROLEUM DISTRIBUTOR
Product Transfer Operation:	CD
Facility Status:	NO LONGER A MAJOR FACILITY
Operator Name:	C.P. KRAMER
Owner Name:	EXXON COMPANY, USA
Owner Address:	P.O. BOX 4415
Owner City,St,Zip:	HOUSTON, TX 77210-4415
Owner Phone:	(713) 656-9216
Owner Type:	Corporate/Commercial
Owner Status:	1
Owner Mark:	First Owner
Mailing Name:	EXXON COMPANY, USA
Mailing Address:	320 FREEMAN STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11222-
Mailing Contact:	ROBERT FJELSTAD
Mailing Phone:	(718) 389-9025
Legal Agent Name:	C.T. CORP. SYSTEM
Legal Agent Address:	277 PARK AVENUE
Legal Agent City,St,Zip:	NEW YORK, NY 10017-
LIC Expires:	03/31/1992

Tank ID:	29
Tank Location:	ABOVEGROUND
Install Date:	01/62
Product:	EMPTY
Tank Status:	Temporarily Out Of Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	80
Leak Detection:	None
Overfill Protection:	24
Dispensing Mthd:	Submersible
Test Date:	11/87
Date Closed:	05/92
Status of Data:	Complete
Capacity (gal):	497028
Lat/Long:	40|44|06 / 73|56|52
Federal ID:	Not reported
Inspected Date:	/ /
Inspector:	Not reported
Renew Date:	10/30/1991
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True

EXXON COMPANY USA (Continued) **S102633590**

Status of Data:	0
COI Date:	/ /
Date License Issued:	10/23/1991
Date License Application Received:	02/06/1992
Chemical Bulk Storage Number:	2-000218
Pollution Discharge Elimination System Num:	0-005339
Date Legal Agent Filed with Secretary of State:	10/72

Tank ID:	H1
Tank Location:	ABOVEGROUND
Install Date:	01/29
Product:	NOS 1,2, OR 4 FUEL OIL
Tank Status:	Temporarily Out Of Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	18
Leak Detection:	None
Overfill Protection:	46
Dispensing Mthd:	Suction
Test Date:	Not reported
Date Closed:	08/91
Status of Data:	Complete
Capacity (gal):	275
Lat/Long:	40|44|06 / 73|56|52
Federal ID:	Not reported
Inspected Date:	/ /
Inspector:	Not reported
Renew Date:	10/30/1991
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	0
COI Date:	/ /
Date License Issued:	10/23/1991
Date License Application Received:	02/06/1992
Chemical Bulk Storage Number:	2-000218
Pollution Discharge Elimination System Num:	0-005339
Date Legal Agent Filed with Secretary of State:	10/72

Tank ID:	H2
Tank Location:	ABOVEGROUND
Install Date:	01/29
Product:	NOS 1,2, OR 4 FUEL OIL
Tank Status:	Temporarily Out Of Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON

EXXON COMPANY USA (Continued) **S102633590**

Pipe Internal:	None
Pipe External:	None
Second Contain:	18
Leak Detection:	None
Overfill Protection:	46
Dispensing Mthd:	Suction
Test Date:	Not reported
Date Closed:	00/00
Status of Data:	Complete
Capacity (gal):	275
Lat/Long:	40|44|06 / 73|56|52
Federal ID:	Not reported
Inspected Date:	/ /
Inspector:	Not reported
Renew Date:	10/30/1991
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	0
COI Date:	/ /
Date License Issued:	10/23/1991
Date License Application Received:	02/06/1992
Chemical Bulk Storage Number:	2-000218
Pollution Discharge Elimination System Num:	0-005339
Date Legal Agent Filed with Secretary of State:	10/72

Tank ID:	L1
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Install Date:	00/00
Product:	EMPTY
Tank Status:	Temporarily Out Of Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispensing Mthd:	Gravity
Test Date:	Not reported
Date Closed:	08/91
Status of Data:	Complete
Capacity (gal):	3500
Lat/Long:	40|44|06 / 73|56|52
Federal ID:	Not reported
Inspected Date:	/ /
Inspector:	Not reported
Renew Date:	10/30/1991
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True

EXXON COMPANY USA (Continued) **S102633590**

Status of Data:	0
COI Date:	/ /
Date License Issued:	10/23/1991
Date License Application Received:	02/06/1992
Chemical Bulk Storage Number:	2-000218
Pollution Discharge Elimination System Num:	0-005339
Date Legal Agent Filed with Secretary of State:	10/72

Tank ID:	L2
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Install Date:	00/00
Product:	EMPTY
Tank Status:	Temporarily Out Of Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	None
Leak Detection:	None
Overfill Protection:	None
Dispensing Mthd:	Gravity
Test Date:	Not reported
Date Closed:	08/91
Status of Data:	Complete
Capacity (gal):	3500
Lat/Long:	40|44|06 / 73|56|52
Federal ID:	Not reported
Inspected Date:	/ /
Inspector:	Not reported
Renew Date:	10/30/1991
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	0
COI Date:	/ /
Date License Issued:	10/23/1991
Date License Application Received:	02/06/1992
Chemical Bulk Storage Number:	2-000218
Pollution Discharge Elimination System Num:	0-005339
Date Legal Agent Filed with Secretary of State:	10/72

Click this hyperlink while viewing on your computer to access
10 additional NY_AST_MOS: record(s) in the EDR Site Report.

AY229 **EXXON COMPANY, U.S.A.** **CBS UST** **S102235261**
East **320 FREEMAN STREET** **LTANKS** **N/A**
1/4-1/2 **BROOKLYN, NY 11222** **NY Spills**
0.489 mi. **NY Hist Spills**
2581 ft. **Site 2 of 5 in cluster AY** **HIST LTANKS**
CBS

Relative:
Lower

Actual:
10 ft.

CBS UST:

UST_CBS Number:	2-000218
Region:	STATE
ICS No:	2-167985
PBS No:	Not reported
MOSF No:	2-1300
Facility Tel:	(718) 389-9025
Town:	NEW YORK CITY
Operator:	R.O. FJELSTAD
Emergency Contact:	C.P. KRAMER
Emergency Contact Phone:	(210) 474-3505
Certification Date:	03/07/1991
Expiration Date:	03/07/1993
Owner Name:	EXXON COMPANY, U.S.A.
Owner Address:	P.O. BOX 4415
Owner City,St,Zip:	HOUSTON, TX 77210
Owner Tele:	(713) 474-3505
Owner Type:	Corporate/Commercial
Total Tanks:	0
Facility Type:	RETAIL GASOLINE SALES
Mail To Name:	EXXON COMPANY, U.S.A.
Mail To Contact:	ROBERT O. FJELSTAD
Mail To Address:	320 FREEMAN STREET
Mail To Address 2:	Not reported
Mail To City,St,Zip:	BROOKLYN, NY 11222
Facility Status:	NO LONGER A MAJOR FACILITY
Mail To Telephone:	(718) 389-9025
SPDES No:	0-005339
Owner Subtype:	Not reported
Tank Number:	AD2
Date Entered:	03/06/1991
Capacity:	4000
Chemical:	Xylene (mixed)
Tank Closed:	03/91
Tank Status:	Temporarily Out Of Service
Tank Type:	Concrete
Install Date:	01/87
CAS No:	1330207
Substance:	Single Hazardous Substance on DEC List
Tank Location:	UNDERGROUND
Tank Internal:	None
Tank External:	45
Pipe Location:	Underground
Pipe Internal:	None
Pipe External:	None
Leak Detection:	Electronic
2nd Containmt:	Double-Walled
Overfill Protection:	None
Haz Percent:	20
Pipe Containment:	None
Tank Error Status:	No Missing Data

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Tank Secret:	False
Date Entered:	11:13:40
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6101
Pipe Type:	STEEL/IRON
Cert Flag:	False
Is it There:	False
Is Updated:	False
Owners Mark:	First Owner
Lat/Long:	73|56|52 / 40|44|06
Renew Date:	/ /
Deliquent:	False
Total Capacity:	0
Date Expired:	03/07/93
Flag:	C
Case No:	Not reported
Federal Amt:	True
Pipe Flag:	False
Reserve Flag:	False

Tank Number:	AD1
Date Entered:	03/06/1991
Capacity:	4000
Chemical:	Xylene (mixed)
Tank Closed:	03/91
Tank Status:	Temporarily Out Of Service
Tank Type:	Concrete
Install Date:	01/87
CAS No:	1330207
Substance:	Single Hazardous Substance on DEC List
Tank Location:	UNDERGROUND
Tank Internal:	None
Tank External:	45
Pipe Location:	Underground
Pipe Internal:	None
Pipe External:	None
Leak Detection:	Electronic
2nd Containmt:	Double-Walled
Overfill Protection:	None
Haz Percent:	20
Pipe Containment:	None
Tank Error Status:	No Missing Data
Tank Secret:	False
Date Entered:	11:13:28
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6101
Pipe Type:	STEEL/IRON
Cert Flag:	False
Is it There:	False
Is Updated:	False
Owners Mark:	First Owner
Lat/Long:	73|56|52 / 40|44|06
Renew Date:	/ /
Deliquent:	False

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Total Capacity:	0
Date Expired:	03/07/93
Flag:	C
Case No:	Not reported
Federal Amt:	True
Pipe Flag:	False
Reserve Flag:	False

LTANKS:

Site ID:	158192
Spill Date:	03/19/91
Facility Addr2:	Not reported
Facility ID:	9012950
Program Number:	9012950
SWIS:	2401
Region of Spill:	2
Investigator:	SJMILLER
Referred To:	Not reported
Reported to Dept:	03/19/91
CID:	14
Spill Cause:	Tank Overfill
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/27/02
Remediation Phase:	0
Date Entered In Computer:	04/02/91
Spill Record Last Update:	04/07/04
Spille Namer:	Not reported
Spiller Company:	EXXON
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9012950
DER Facility ID:	133719
Site ID:	158192
Operable Unit ID:	952875
Operable Unit:	01
Material ID:	429397
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

Site ID:	158194
Spill Date:	08/01/91
Facility Addr2:	Not reported
Facility ID:	9104730
Program Number:	9104730
SWIS:	2401
Region of Spill:	2
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	08/01/91
CID:	14
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	03/30/95
Cleanup Meets Standard:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/30/95
Remediation Phase:	0
Date Entered In Computer:	08/07/91
Spill Record Last Update:	04/07/04
Spille Namer:	Not reported
Spiller Company:	EXXON
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9104730
DER Facility ID:	133719
Site ID:	158194

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Operable Unit ID:	955506
Operable Unit:	01
Material ID:	423791
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

Site ID:	158193
Spill Date:	05/16/91
Facility Addr2:	Not reported
Facility ID:	9101866
Program Number:	9101866
SWIS:	2401
Region of Spill:	2
Investigator:	SJMILLER
Referred To:	Not reported
Reported to Dept:	05/16/91
CID:	14
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/23/02
Remediation Phase:	0
Date Entered In Computer:	05/23/91
Spill Record Last Update:	04/07/04
Spille Namer:	Not reported
Spiller Company:	EXXON
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	NY

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9101866
DER Facility ID:	133719
Site ID:	158193
Operable Unit ID:	952977
Operable Unit:	01
Material ID:	424402
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

NY Spills:

Site ID:	158188
Facility Addr2:	Not reported
Facility ID:	8909181
Spill Number:	8909181
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	FINGER
Referred To:	Not reported
Spill Date:	12/19/89
Reported to Dept:	12/19/89
CID:	14
Spill Cause:	Unknown
Water Affected:	WHALE CREEK
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	12/19/89
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Spill Closed Dt:	12/19/89
Remediation Phase:	0
Date Entered In Computer:	01/03/90
Spill Record Last Update:	04/07/04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	8909181
DER Facility ID:	133719
Site ID:	158188
Operable Unit ID:	936363
Operable Unit:	01
Material ID:	442356
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 8909181 USCG WILL SEND TEAM TO INVESTIGATE. END CallerRemark - 8909181

Site ID:	158187
Facility Addr2:	Not reported
Facility ID:	8907186
Spill Number:	8907186
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	TOMASELLO
Referred To:	Not reported
Spill Date:	10/20/89
Reported to Dept:	10/20/89
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	10/20/89
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/20/89
Remediation Phase:	0

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Date Entered In Computer: 12/07/89
Spill Record Last Update: 04/07/04
Spiller Name: Not reported
Spiller Company: EXXON
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001
Spiller Phone: (718) 706-4176
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
Program Number: 8907186
DER Facility ID: 133719
Site ID: 158187
Operable Unit ID: 934883
Operable Unit: 01
Material ID: 443982
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 10.00
Units: Gallons
Recovered: 0.00
Resource Affected: Soil
Oxygenate: False
DEC Memo: Not reported
Remarks: Start CallerRemark - 8907186 RECEIVING PIPELINE DELIVERY, VALVE WASN'T FULLY OPEN, GASKET RUPTURED & GAS ESCAPED, PIPELINE WAS SHUT DOWN, WILL REPLACE GASKET, DEC INVESTIGATED, CONTAMINATED SOIL TO BE STOCK PILED. END CallerRemark - 8907186

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:
Region of Spill: 2
Spill Number: 8909181
Investigator: FINGER
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 12/19/1989 11:30
Reported to Dept Date/Time: 12/19/89 13:22
SWIS: 61
Spiller Name: UNK
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: Surface Water
Water Affected: WHALE CREEK
Spill Source: 12

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	12/19/89
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	12/19/89
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/03/90
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/03/90
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Not reported
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	USCG WILL SEND TEAM TO INVESTIGATE.

Region of Spill:	2
Spill Number:	8907186
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/20/1989 20:30
Reported to Dept Date/Time:	10/20/89 21:13
SWIS:	61
Spiller Name:	EXXON
Spiller Contact:	Not reported
Spiller Phone:	(718) 706-4176
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Human Error
Reported to Dept:	On Land

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 10/20/89
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Not reported
Spill Closed Dt: 10/20/89
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 12/07/89
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/25/90
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 10
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/20/89: USCG ON SCENE, DISCHARGE INTO WATER, NRC NOTIFIED, CAN T LOCATE SOURCE OF SPILL.
Remark: RECEIVING PIPELINE DELIVERY, VALVE WASN T FULLY OPEN, GASKET RUPTURED GAS ESCAPED, PIPELINE WAS SHUT DOWN, WILL REPLACE GASKET, DEC INVESTIGATED, CONTAMINATED SOIL TO BE STOCK PILED.

Region of Spill: 2
Spill Number: 9104730
Investigator: TANG
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 08/01/1991 10:35
Reported to Dept Date/Time: 08/01/91 11:20
SWIS: 61
Spiller Name: EXXON
Spiller Contact: Not reported

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 03
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 03/30/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/30/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 08/07/91
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/30/95
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 5
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: WASTE OIL
Class Type: WASTE OIL
Times Material Entry In File: 9509
CAS Number: Not reported
Last Date: 19940927
DEC Remarks: Not reported
Remark: TERMINAL BEING DISMANTLED,MANHOLE COVER HAS ONLY 2) BOLTS, TANK WAS PUMPED 2-3 MONTHS AGO,WASTE OIL IN EXCAVATION SITE.

Region of Spill: 2
Spill Number: 9004386
Investigator: JAMES
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 07/20/1990 11:15

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Reported to Dept Date/Time: 07/20/90 11:37
SWIS: 61
Spiller Name: EXXON
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Human Error
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 03
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 06/20/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/20/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 07/25/90
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/20/95
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 200
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 07/20/90: GASOLINE ON BLACK TOP, SOME SOIL WAS CONTAMINATED, TO AIR OUT SOIL, WILL VAC OUT POND, CONTAIMENT POND PARTIALLY BOOMED OFF,NO SURFACE WATER AFFECTED, 20) 31,000 GAL TANKS WERE DISCOVERED UNDER POND.
Remark: CONTRACTOR DISCONNECTED WRONG PIPE, GASOLINE SPILLED OUT,EXXON WASHINGGASOLINE INTO CONTAINMENT POND, TO VAC OUT PRODUCT, NRC 31777.

Region of Spill: 2
Spill Number: 8912333
Investigator: TANG
Caller Name: Not reported

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/27/1990 10:30
Reported to Dept Date/Time:	03/27/90 15:32
SWIS:	61
Spiller Name:	PEREZ BORO ASPHALT
Spiller Contact:	Not reported
Spiller Phone:	(718) 383-4100
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Surface Water
Water Affected:	NEWTOWN CREEK
Spill Source:	12
Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/04/98
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	05/16/90
Date Spill Entered In Computer Data File:	Not reported
Update Date:	02/10/98
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Pounds
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	WASTE OIL
Class Type:	WASTE OIL
Times Material Entry In File:	9509
CAS Number:	Not reported
Last Date:	19940927
DEC Remarks:	03/27/90: DEC INVESTIGATED, OIL FOUND AT VARIOUS LOCATIONS AT FACILITY NEXT DOOR 99 PAIDGE AVE), BULKHEAD SOAKED WITH OIL,OIL IN TRENCHES BEING PUMPED OUTSIDE ON TOP OF BULKHEAD,TO ASSESS EXTENT OF CONTAMINAT. REFER TO 9101866.
Remark:	PATCHES ON WATER, USCG TEAM ON SITE.

EXXON COMPANY, U.S.A. (Continued) **S102235261**

HIST LTANKS:

Region of Spill:	2
Spill Number:	9101866
Investigator:	ROMMEL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Spill Date:	05/16/1991
Spill Time:	11:00
Reported to Department Date:	05/16/91
Reported to Department Time:	11:10
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	EXXON
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Cause:	Tank Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Major Facility 400,000 gallons
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Dt:	/ /
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	05/23/91
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	11/07/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: OIL DISCOVERED WHILE EXCAVATING UNDERGROUND TANKS, DEC TO INVESTIGATE.

Region of Spill: 2
Spill Number: 9012950
Investigator: MILLER
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spill Date: 03/19/1991
Spill Time: 15:30
Reported to Department Date: 03/19/91
Reported to Department Time: 15:54
SWIS: 61
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: EXXON
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Cause: Tank Overfill
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Major Facility 400,000 gallons
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Standard: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/02/91

EXXON COMPANY, U.S.A. (Continued) **S102235261**

Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 03/19/91: WHOLE PLANT TO BE DEMOLISHED,WILL INSTALL OBSERVATION WELL.
Spill Cause: ACCUMULATOR TANK SIZE 10FT DIAMETER BY 6FT LENGTH INSTALLED VERTICALLYPARTIALLY ABOVEGROUND,UPON TANK PULL,CONTAMINATED SOIL WAS DISCOVERED,WATER FROM WHALE CREEK SEEPED INTO EXCAVATION SITE.

CBS:
CBS Number: 2-000218
Program Type: CBS
Dec Region: 2
Expiration Date: N/A
UTMX: Not reported
UTMY: Not reported

AY230 **NYC NEWTON CREEK WPCP** **LTANKS** **S103569338**
East **320 FREEMAN ST** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.489 mi.
2581 ft. **Site 3 of 5 in cluster AY**

Relative:
Lower

Actual:
10 ft.

LTANKS:
Site ID: 275304
Spill Date: 05/01/96
Facility Addr2: Not reported
Facility ID: 9601620
Program Number: 9601620
SWIS: 2401
Region of Spill: 2
Investigator: KSTANG
Referred To: Not reported
Reported to Dept: 05/01/96
CID: 14
Spill Cause: Tank Failure
Water Affected: Not reported
Spill Source: Major Facility > 400,000 gal
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Cleanup Meets Standard: False

NYC NEWTON CREEK WPCP (Continued) **S103569338**

Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/31/97
Remediation Phase:	0
Date Entered In Computer:	05/01/96
Spill Record Last Update:	04/07/04
Spille Namer:	Not reported
Spiller Company:	EXXON
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	STEVE SCHMALLER
Spiller Phone:	(718) 595-4363
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9601620
DER Facility ID:	133719
Site ID:	275304
Operable Unit ID:	1033169
Operable Unit:	01
Material ID:	351419
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Groundwater
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9601620
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported

NYC NEWTON CREEK WPCP (Continued) **S103569338**

Notifier Phone:	Not reported
Spill Date/Time:	05/01/1996 15:00
Reported to Dept Date/Time:	05/01/96 15:42
SWIS:	61
Spiller Name:	UNKNOWN
Spiller Contact:	UNKNOWN
Spiller Phone:	Not reported
Spiller Contact:	STEVE SCHMALLER
Spiller Phone:	(718) 595-4363
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN
Spill Cause:	Other
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Dt:	07/31/97
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	05/01/96
Date Spill Entered In Computer Data File:	Not reported
Update Date:	08/07/97
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	WASTE OIL
Class Type:	WASTE OIL
Times Material Entry In File:	9509
CAS Number:	Not reported
Last Date:	19940927

DEC Remarks: AFTER CONSIDERING THE FACT THAT THE SPILL OCCURRED SO LONG AGO, AND THE REMARKS INDICATE THAT NO LONG-TERM FOLLOW-UP IS NEEDED; I DECIDED TO CLOSE THIS SPILL.

Remark: upon excavtion of soil tank was accidentally hit and pulled out of ground-soil cleaned up

231 SE 1/4-1/2 0.489 mi. 2582 ft. | **FORMER SHELL STATION 256 MCGUINNESS BLVD BROOKLYN, NY** | **NY Spills** / **NY Hist Spills** | **S103936181** / **N/A**

Relative: Higher

Actual: 14 ft.

NY Spills:

Site ID:	60001
Facility Addr2:	Not reported
Facility ID:	9900467
Spill Number:	9900467
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	KSTANG
Referred To:	EXCAVATED & ORM
Spill Date:	04/09/99
Reported to Dept:	04/13/99
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Remediation Phase:	2
Date Entered In Computer:	04/13/99
Spill Record Last Update:	04/04/07
Spiller Name:	ROB RULE
Spiller Company:	FORMER SHELL STATION
Spiller Address:	256 MCGUINNESS BLVD
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(914) 838-7232
Contact Name:	ROB RULE
Contact Phone:	(914) 838-7232
DEC Region:	2
Program Number:	9900467
DER Facility ID:	58639
Site ID:	60001
Operable Unit ID:	1075231
Operable Unit:	01
Material ID:	307603
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9900467 PBS 2-191035 4/14/00 Shell exited property. 12/01

FORMER SHELL STATION (Continued) **S103936181**

Total of 590tons of petroleum contaminated soil was removed from site. 9/03 Amoco construction not started yet. To finish dig during construction. Phoenix is consultant for site. 11/24/03 AUSTIN - TRANSFERRED FROM MULQUEEN TO FOLEY - END 6/8/04 Meeting with Shell and Phoenix. Shell excavated and completed endpoint sampling in 12/01. Amoco was developing property but have not completed. Shell will be submitting plan for well points. Will possibly excavate this summer. Will submit report. Summary of Site History April 1999- A subsurface investigation utilizing a direct-push(Geoprobe) was performed to determine if petroleum impacted soil would be encountered during UST removal activities. Based on lab results, EnviroTrac reported spill. 1" MW-1 and MW-2 were installed. October 1999-Three 4000gal singel-wall steel gas USTs, one 550gal used oil UST, two hydraulic lifts, product dispensers, piping and remoate fills were removed. Endpoints were collected from the gas UST, used oil UST and dispenser island excavations which exceeded STARS guidance values. 210tons of soil was removed. Four 2" MWs (MW-3 thru MW-6) were installedwithin the excavations of the gas UST and dispenser islands. Water table was estimated 10'bgs. Wells were constructed with approx 10' of 0.01 slot screen with bentonite seal set at approx 2'bgs. To enhance natural degradation, approx 500lbs of oxygen releasing material(ORM) was distributed at the bottom of the 4000gal gas UST and dispener island excavations. April 2000- A test pit investigation was conducted on site. 34 test pits were dug. December 2001-Phoenix Environmental conducted asoil excavation in the area of the yard drains behind the building. A total of 590 tons of petroleum impacted soil was removed. Preliminary endpoint data and site map were submitted during 6/8/04 meeting which show hot spots across property. Needa final report. 11/23/04 Met with P. Sherwood, B. Hoashi(Phoenix) and R. Rule(Shell). This station was supposed to undergo site redevelopment as a proposed Amoco station. The station building was demolished in 2003. Because site redevelopment has been postponed, Phoenix will install 4 monitoring wells in the winter 2004/2005. GW at approx 8'bgs. 2/1/06 Met with Shell, SAIC, Longshore. SAIC installed four wells. Concentrations pretty low. Will monitor for trends, do sensitive receptorsurvey, exposure assessment. 3/22/06 Reassigned from Foley to Tang. (KMF) END DECRemark - 9900467

Remarks: Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9900467
Investigator:	MULQUEEN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/09/1999
Reported to Dept Date/Time:	04/13/99 14:22
SWIS:	61
Spiller Name:	FORMER SHELL STATION
Spiller Contact:	ROB RULE
Spiller Phone:	(914) 838-7232
Spiller Contact:	ROB RULE
Spiller Phone:	(914) 838-7232
Spiller Address:	256 MCGUINNESS BLVD
Spiller City,St,Zip:	BROOKLYN, NY
Spill Cause:	Unknown
Reported to Dept:	On Land

FORMER SHELL STATION (Continued) **S103936181**

Water Affected:	Not reported
Spill Source:	05
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	04/13/99
Date Spill Entered In Computer Data File:	Not reported
Update Date:	04/23/99
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	Not reported

AY232 **EXXON CORP/320 FREEMAN AV** **NY Spills** **S102144971**
East **320 FREEMAN AVENUE** **NY Hist Spills** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.490 mi.
2585 ft. **Site 4 of 5 in cluster AY**

Relative:
Lower

Actual:
10 ft.

NY Spills:

Site ID:	167657
Facility Addr2:	Not reported
Facility ID:	8710916
Spill Number:	8710916
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SIGONA
Referred To:	Not reported
Spill Date:	03/30/88

EXXON CORP/320 FREEMAN AV (Continued) **S102144971**

Reported to Dept:	03/30/88
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	WHALE CREEK
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	03/30/88
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/30/88
Remediation Phase:	0
Date Entered In Computer:	04/20/88
Spill Record Last Update:	04/07/04
Spiller Name:	Not reported
Spiller Company:	EXXON CORP
Spiller Address:	320 FREEMAN AVENUE
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Spiller Phone:	(718) 706-4162
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	8710916
DER Facility ID:	141252
Site ID:	167657
Operable Unit ID:	916784
Operable Unit:	01
Material ID:	462664
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 8710916 LEAKING FLANGE ON PIPELINE.LEAK HAS BEEN STOPPED SHEEN ON WATER NEAR DOCK 10 X 50 FEET. END CallerRemark - 8710916

NY Hist Spills:

Region of Spill:	2
Spill Number:	8710916
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/30/1988 11:00
Reported to Dept Date/Time:	03/30/88 12:17

EXXON CORP/320 FREEMAN AV (Continued) **S102144971**

SWIS:	61
Spiller Name:	EXXON CORP.
Spiller Contact:	Not reported
Spiller Phone:	(718) 706-4162
Spiller Address:	320 FREEMAN AVENUE
Spiller City,St,Zip:	BROOKLYN, NY
Spill Cause:	Equipment Failure
Reported to Dept:	Surface Water
Water Affected:	WHALE CREEK
Spill Source:	03
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	03/30/88
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	03/30/88
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	04/20/88
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/28/88
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	5
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	Not reported
Remark:	LEAKING FLANGE ON PIPELINE.LEAK HAS BEEN STOPPED SHEEN ON WATER NEAR DOCK 10 X 50 FEET.

AY233 **320 FREEMAN ST/EXXON TERM** **LTANKS** **S102141281**
East **320 FREEMAN ST** **NY Hist Spills** **N/A**
1/4-1/2 **BKLYN, NY**
0.490 mi.
2585 ft. **Site 5 of 5 in cluster AY**

Relative:
Lower

Actual:
10 ft.

LTANKS:

Site ID:	158195
Spill Date:	09/11/91
Facility Addr2:	Not reported
Facility ID:	9106287
Program Number:	9106287
SWIS:	2401
Region of Spill:	2
Investigator:	GELLER
Referred To:	Not reported
Reported to Dept:	09/11/91
CID:	14
Spill Cause:	Tank Failure
Water Affected:	Not reported
Spill Source:	Major Facility > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/16/97
Remediation Phase:	0
Date Entered In Computer:	10/09/91
Spill Record Last Update:	04/07/04
Spille Namer:	Not reported
Spiller Company:	EXXON
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9106287
DER Facility ID:	133719
Site ID:	158195
Operable Unit ID:	956766
Operable Unit:	01
Material ID:	422010
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

320 FREEMAN ST/EXXON TERM (Continued) **S102141281**

Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported
DEC Memo: Not reported
Remarks: Not reported

NY Hist Spills:
Region of Spill: 2
Spill Number: 9106287
Investigator: GELLER
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 09/11/1991 10:00
Reported to Dept Date/Time: 09/11/91 10:32
SWIS: 61
Spiller Name: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/16/97
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/09/91
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/16/97
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported

320 FREEMAN ST/EXXON TERM (Continued) **S102141281**

Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	CLOSED DUE TO INSUFFICIENT INFORMATION
Remark:	TANK INVOLVED

234
ESE
1/4-1/2
0.490 mi.
2586 ft.

PRONTO DEMOLITION CORP. **SWF/LF** **S105841918**
73 PROVOST ST **N/A**
BROOKLYN, NY 11222

Relative:
Lower

Actual:
11 ft.

SWF/LF:

Flag:	INACTIVE
Secondary Addr:	Not reported
Region Code:	2
Phone Number:	7180000000
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	VINNY CUCCHIARI; TRUCK DRIVER
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	C&D processing - registered
Activity Number:	24W58
Active:	No
East Coordinate:	588682
North Coordinate:	4509637
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	None
Authorization Date:	Not reported
Expiration Date:	Not reported

235 SSE 1/4-1/2 0.495 mi. 2614 ft. | **860 MANHATTAN AVE/BKLYN**
860 MANHATTAN AVENUE
NEW YORK CITY, NY | **NY Spills** **NY Hist Spills** | **S102146054** **N/A**

Relative: Higher

Actual: 32 ft.

NY Spills:

Site ID:	133762
Facility Addr2:	Not reported
Facility ID:	9009534
Spill Number:	9009534
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	FINGER
Referred To:	Not reported
Spill Date:	12/03/90
Reported to Dept:	12/03/90
CID:	14
Spill Cause:	Equipment Failure
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	12/03/90
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Not reported
Spill Closed Dt:	12/03/90
Remediation Phase:	0
Date Entered In Computer:	12/11/90
Spill Record Last Update:	05/22/03
Spiller Name:	Not reported
Spiller Company:	SAFETY CLEAN CORP
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9009534
DER Facility ID:	114949
Site ID:	Not reported
Operable Unit ID:	Not reported
Operable Unit:	Not reported
Material ID:	Not reported
Material Code:	Not reported
Material Name:	Not reported
Case No.:	Not reported
Material FA:	Not reported
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	Not reported
DEC Memo:	Not reported
Remarks:	Start CallerRemark - 9009534 LOOSE CONNECTION, SPEEDY DRY APPLIED, SPILL

860 MANHATTAN AVE/BKLYN (Continued) **S102146054**

CLEANED UP. END CallerRemark - 9009534

NY Hist Spills:

Region of Spill:	2
Spill Number:	9009534
Investigator:	FINGER
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	12/03/1990 10:45
Reported to Dept Date/Time:	12/03/90 11:29
SWIS:	61
Spiller Name:	SAFETY CLEAN CORP
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	08
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	12/03/90
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	12/03/90
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	12/11/90
Date Spill Entered In Computer Data File:	Not reported
Update Date:	/ /
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Not reported
Quantity Spilled:	Not reported
Unkonwn Quantity Spilled:	Not reported
Units:	Not reported
Quantity Recovered:	Not reported
Unkonwn Quantity Recovered:	Not reported
Material:	Not reported
Class Type:	Not reported
Times Material Entry In File:	Not reported

860 MANHATTAN AVE/BKLYN (Continued) **S102146054**

CAS Number: Not reported
Last Date: Not reported
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: PERCHLORETHYLENE.
Remark: LOOSE CONNECTION, SPEEDY DRY APPLIED, SPILL CLEANED UP.

AZ236 **AMERADA HESS** **NY Spills** **S104953595**
SE **210 GREENPOINT AVE** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.497 mi.
2626 ft. **Site 1 of 4 in cluster AZ**

Relative:
Higher

Actual:
16 ft.

NY Spills:

Site ID:	141144
Facility Addr2:	Not reported
Facility ID:	0013410
Spill Number:	0013410
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SMSANGES
Referred To:	Not reported
Spill Date:	03/22/01
Reported to Dept:	03/23/01
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/03/03
Remediation Phase:	0
Date Entered In Computer:	03/23/01
Spill Record Last Update:	11/03/03
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	DAVID LEE
Contact Phone:	(518) 436-6585
DEC Region:	2
Program Number:	0013410
DER Facility ID:	146554
Site ID:	141144
Operable Unit ID:	835351
Operable Unit:	01
Material ID:	540123
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported

AMERADA HESS (Continued) **S104953595**

Material FA: Petroleum
Quantity: 0.00
Units: Gallons
Recovered: 0.00
Resource Affected: Groundwater
Oxygenate: False
DEC Memo: Start DECRemark - 0013410 Prior to Sept, 2004 data translation this spill Lead DEC Field was "SANGESLAND" REFER TO SPILL # 9303243 END DECRemark - 0013410
Remarks: Start CallerRemark - 0013410 unk petrolium is seeping into ground water in a hess facility END CallerRemark - 0013410

NY Hist Spills:
Region of Spill: 2
Spill Number: 0013410
Investigator: SANGESLAND
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 03/22/2001 17:30
Reported to Dept Date/Time: 03/23/01 11:22
SWIS: 61
Spiller Name: UNK
Spiller Contact: UNK
Spiller Phone: (000) 000-0000
Spiller Contact: DAVID LEE
Spiller Phone: (518) 436-6585
Spiller Address: UNK
Spiller City,St,Zip: UNK
Spill Cause: Unknown
Reported to Dept: Groundwater
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Local Agency
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 03/23/01
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/23/01
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported

AMERADA HESS (Continued) **S104953595**

Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Not reported
Remark:	unk petrolium is seeping into ground water in a hess facility

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AZ237 **MERIT GAS STATION** **NY Spills** **S103036299**
SE **210 GREENPOINT AVE** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.497 mi.
2626 ft. **Site 2 of 4 in cluster AZ**

Relative:
Higher

Actual:
16 ft.

NY Spills:

Site ID:	141145
Facility Addr2:	Not reported
Facility ID:	9713240
Spill Number:	9713240
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	SMSANGES
Referred To:	Not reported
Spill Date:	01/07/98
Reported to Dept:	02/27/98
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/03/03
Remediation Phase:	0
Date Entered In Computer:	02/27/98
Spill Record Last Update:	11/03/03
Spiller Name:	SCOTT CULLINAM
Spiller Company:	MERIT GAS STATION
Spiller Address:	210 GREENPOINT AVE
Spiller City,St,Zip:	BROOKLYN, NY 11222-
Spiller Company:	001
Spiller Phone:	(610) 527-7900
Contact Name:	SCOTT CULLINAN

MERIT GAS STATION (Continued) **S103036299**

Contact Phone:	(610) 527-7900
DEC Region:	2
Program Number:	9713240
DER Facility ID:	146554
Site ID:	141145
Operable Unit ID:	1056147
Operable Unit:	01
Material ID:	324258
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Air
Oxygenate:	False
DEC Memo:	Start DECRemark - 9713240 Prior to Sept, 2004 data translation this spill Lead DEC Field was "SANGESLAND" CALLER REMARKS: (718)467-9480 PHILLIP HALL-MGR. CALL S/S-FAN PUT IN BOOTH TO PULL OUT VAPORS. CALL PIHALL-LEFT MESSAGE REFER TO SPILL # 9303243 END DECRemark - 9713240
Remarks:	Start CallerRemark - 9713240 fumes were coming up from the ground to the cashiers booth - still being investigated END CallerRemark - 9713240

NY Hist Spills:

Region of Spill:	2
Spill Number:	9713240
Investigator:	SANGESLAND
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	01/07/1998 12:00
Reported to Dept Date/Time:	02/27/98 08:51
SWIS:	61
Spiller Name:	MERIT GAS STATION
Spiller Contact:	SCOTT CULLINAM
Spiller Phone:	(610) 527-7900
Spiller Contact:	SCOTT CULLINAN
Spiller Phone:	(610) 527-7900
Spiller Address:	210 GREENPOINT AVE
Spiller City,St,Zip:	BROOKLYN, NY 11222-
Spill Cause:	Unknown
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	05
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /

MERIT GAS STATION (Continued) **S103036299**

UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/27/98
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/26/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	CALLER REMARKS: 718)467-9480 PHILLIP HALL-MGR. CALL S/S-FAN PUT IN BOOTH TO PULL OUT VAPORS. CALL PIHALL-LEFT MESSAGE
Remark:	fumes were coming up from the ground to the cashiers booth - still being investigated

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AZ238 **210 GREEN PT AVE.** **NY Spills** **S102146603**
SE **210 GREEN PT AVE.** **NY Hist Spills** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.497 mi.
2626 ft. **Site 3 of 4 in cluster AZ**

Relative:
Higher

Actual:
16 ft.

NY Spills:

Site ID:	225243
Facility Addr2:	Not reported
Facility ID:	9303243
Spill Number:	9303243
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	skcarlso
Referred To:	NFA ISSUED 4/20/07
Spill Date:	06/11/93
Reported to Dept:	06/11/93
CID:	14
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /

210 GREEN PT AVE. (Continued) **S102146603**

Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/20/07
Remediation Phase:	0
Date Entered In Computer:	06/11/93
Spill Record Last Update:	04/20/07
Spiller Name:	Not reported
Spiller Company:	MERIT GAS STA.
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	9303243
DER Facility ID:	146554
Site ID:	225243
Operable Unit ID:	981412
Operable Unit:	01
Material ID:	396827
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Pounds
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 9303243 Prior to Sept, 2004 data translation this spill Lead DEC Field was "SUN" 12/23/05- Andersen - Reviewed quarterly report dated 11/7/05. Eight MW sampled on September 23, 2005. Max BTEX 729ppb (MW5), max MTBE 352ppb (MW3).SVE system shut down May 5, 2005 due because low influent vapors. RAP required for remaining contamination. 12/29/05: RAP required letter sent. RAP due 2/9/06. 1/26/06: 1/25/06 meeting with Quantum, NYSDEC, and ET. A sensitive receptor surveyand soil vapor survey will be performed, and then site closure will be considered. A kiosk vapor abatement system is in place. 2/2/06: Reviewed the fourth 2005 quarterly report. Max BTEX 497 ppb (MW5), max MTBE 351 ppb (MW6). A sensitive receptorsurvey will be prepared. 6/30/06: Meeting on 6/28/06 with Hess, Quantum, NYSDEC, EnviroTrac and GSC. Will submit request for closure. Sub slab vapor sampling conducted. 7/25/06: Received the results of sub-slab sampling and a sensitive receptor survey. Two sub slab samples were collected from beneath the kiosk on site. MTBE and BTEX were not detected above method detection limits. The sensitive receptor survey revealed that residential houses with basements are located within 1,000 ft ofthe site. Closure was requested. 10/6/06: Emailed Dawn Coughlin to followup on quarterly report. Received email from Ed Russo: "the site was sampled on August 15, 2006. Results indicated concentrations that we feel warrant closure, especially due to the positive results of the soil-gas sampling and sensitive receptor survey. The report was just finalized yesterday, so you should be receiving it by the middle of next week." 11/1/06: Received closure request. Max benzene 158ppb in MW3,MTBE 338 in MW3. Continued groundwater sampling required. 1/17/07: Meeting on 1/16/07 with Hess, Delta, NYSDEC. 1/23/07: Received update report. Wells samples on

210 GREEN PT AVE. (Continued) **S102146603**

11/8/06. Max BTEX 63 (MW3), max MTBE 222 (MW6). 4/20/07: Reviewed update report. Max BTEX 12.3 ppb (MW1). As reportedin the sensitive receptor survey, soil vapor sampling showed soil gas MTBE and BTEX concentrations ND. ND concentrations in downgradient wells. NFA issued. END DECRemark - 9303243

Remarks: Start CallerRemark - 9303243 SOIL FOUND IN TANK PULL - SOIL BEING STODE PILED. END CallerRemark - 9303243

NY Hist Spills:

Region of Spill:	2
Spill Number:	9303243
Investigator:	SANGESLAND
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/11/1993 10:00
Reported to Dept Date/Time:	06/11/93 10:08
SWIS:	61
Spiller Name:	MERIT GAS STA.
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	05
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	06/11/93
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/26/00
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False

210 GREEN PT AVE. (Continued) **S102146603**

Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: SOIL FOUND IN TANK PULL - SOIL BEING STODE PILED.

AZ239 **HESS#32516** **NY Spills** **S108129327**
SE **210 GREENPOINT AVENUE** **N/A**
1/4-1/2 **BROOKLYN, NY**
0.498 mi.
2631 ft. **Site 4 of 4 in cluster AZ**

Relative:
Higher

Actual:
15 ft.

NY Spills:
Site ID: 367836
Facility Addr2: Not reported
Facility ID: 0604788
Spill Number: 0604788
Facility Type: ER
SWIS: 2401
Region of Spill: 2
Investigator: rmpiper
Referred To: Not reported
Spill Date: 07/27/06
Reported to Dept: 07/27/06
CID: 14
Spill Cause: Other
Water Affected: Not reported
Spill Source: Gasoline Station
Spill Notifier: Other
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/14/06
Remediation Phase: 0
Date Entered In Computer: 07/27/06
Spill Record Last Update: 08/14/06
Spiller Name: MICHAEL MATRI
Spiller Company: HESS#32516
Spiller Address: 210 GREEN POINT AVE.
Spiller City,St,Zip: BROOKLYN, NY 11222
Spiller Company: 001
Spiller Phone: (732) 750-6432
Contact Name: MICHAEL MATRI
Contact Phone: (732) 750-6432
DEC Region: 2
Program Number: 0604788
DER Facility ID: 146554
Site ID: 367836
Operable Unit ID: 1125738

HESS#32516 (Continued) **S108129327**

Operable Unit:	01
Material ID:	2115263
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4.00
Units:	Gallons
Recovered:	4.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0604788 DEC Piper reviewed test reults. Though it shows a passing line afterwards, there is no indication what repairs were made to which line and evidence of product. DEC Piper spoke w/ Hess Mike MAtri. As per him flex line failed, line was replaced and retested . Passed. Small amount of producted drained into secondary containment and was tested as well. Containment was tight. Closed. E-Docs if Warranted. END DECRemark - 0604788
Remarks:	Start CallerRemark - 0604788 PBS No: 2-297550 Contractor tested line... line failed. Small amount of gasoline is in contained STP sump. Clean up is completed, line repair is completed. END CallerRemark - 0604788

BA240 **5-50 51ST AVE** **LTANKS** **S102673124**
NNE **5-50 51ST AVE** **NY Spills** **N/A**
1/4-1/2 **ASORIA, NY** **NY Hist Spills**
0.499 mi. **HIST LTANKS**
2633 ft. **Site 1 of 3 in cluster BA**

Relative:
Lower

Actual:
9 ft.

LTANKS:

Site ID:	305952
Spill Date:	12/14/95
Facility Addr2:	Not reported
Facility ID:	9511687
Program Number:	9511687
SWIS:	4101
Region of Spill:	2
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	12/15/95
CID:	07
Spill Cause:	Tank Overfill
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Last Inspection:	12/18/95
Recommended Penalty:	Penalty Not Recommended
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/21/95
Remediation Phase:	0
Date Entered In Computer:	12/15/95
Spill Record Last Update:	01/18/96
Spille Namer:	Not reported
Spiller Company:	VIJAX CORP
Spiller Phone:	Not reported
Spiller Extention:	Not reported

5-50 51ST AVE (Continued) **S102673124**

Spiller Address:	222 VARICK AV
Spiller City,St,Zip:	BROOKLYN, NY 11237-
Spiller County:	001
Spiller Contact:	DAN SINCLAIR
Spiller Phone:	(718) 937-5684
Spiller Extention:	Not reported
DEC Region:	2
Program Number:	9511687
DER Facility ID:	247127
Site ID:	305952
Operable Unit ID:	1022357
Operable Unit:	01
Material ID:	359016
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported
DEC Memo:	Not reported
Remarks:	Not reported

NY Spills:

Site ID:	153019
Facility Addr2:	Not reported
Facility ID:	9510205
Spill Number:	9510205
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	JMKRIMGO
Referred To:	Not reported
Spill Date:	11/15/95
Reported to Dept:	11/15/95
CID:	07
Spill Cause:	Human Error
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False

5-50 51ST AVE (Continued) **S102673124**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/15/95
Remediation Phase:	0
Date Entered In Computer:	11/15/95
Spill Record Last Update:	11/26/03
Spiller Name:	SINCLAIR
Spiller Company:	HOMEOWNER
Spiller Address:	5-50 51ST AVE
Spiller City,St,Zip:	ASTORIA, NY 11101-
Spiller Company:	001
Spiller Phone:	(718) 937-5684
Contact Name:	DAN SINCLAIR
Contact Phone:	(718) 937-5684
DEC Region:	2
Program Number:	9510205
DER Facility ID:	129876
Site ID:	153019
Operable Unit ID:	1024670
Operable Unit:	01
Material ID:	361130
Material Code:	0001
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	Gallons
Recovered:	3.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 9510205 Prior to Sept, 2004 data translation this spill Lead DEC Field was "KRIMGOLD" MR. LOU PHILLIPS, AT SWEET CLAIMS CO. (212) 226-4500, CALLED TO REPORT CLEAN-UP COMPLETION END DECRemark - 9510205
Remarks:	Start CallerRemark - 9510205 CUSTOMER ORDERED 150 GAL OF FUEL AND THE TANK OVERFILLED AT 107 GAL END CallerRemark - 9510205

NY Hist Spills:

Region of Spill:	2
Spill Number:	9510205
Investigator:	KRIMGOLD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/15/1995 08:35
Reported to Dept Date/Time:	11/15/95 09:07
SWIS:	63
Spiller Name:	HOMEOWNER
Spiller Contact:	SINCLAIR
Spiller Phone:	(718) 937-5684
Spiller Contact:	DAN SINCLAIR
Spiller Phone:	(718) 937-5684
Spiller Address:	5-50 51ST AVE
Spiller City,St,Zip:	ASTORIA, NY 11101-
Spill Cause:	Human Error

5-50 51ST AVE (Continued) **S102673124**

Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 09
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/15/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 11/15/95
Date Spill Entered In Computer Data File: Not reported
Update Date: 11/27/95
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 3
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 3
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: MR. LOU PHILLIPS, AT SWEET CLAIMS CO. 212) 226-4500, CALLED TO REPORT CLEAN-UP COMPLETION
Remark: CUSTOMER ORDERED 150 GAL OF FUEL AND THE TANK OVERFILLED AT 107 GAL

HIST LTANKS:
Region of Spill: 2
Spill Number: 9511687
Investigator: MULQUEEN
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spill Date: 12/14/1995
Spill Time: 18:00

5-50 51ST AVE (Continued) **S102673124**

Reported to Department Date: 12/15/95
Reported to Department Time: 13:26
SWIS: 63
Spiller Contact: DAN SINCLAIR
Spiller Phone: (718) 937-5684
Spiller Extention: Not reported
Spiller Name: VIJAX CORP
Spiller Address: 222 VARICK AV
Spiller City,St,Zip: BROOKLYN, NY 11237-
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Cause: Tank Overfill
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Standard: False
Last Inspection: 12/18/95
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/21/95
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: 12/15/95
Date Spill Entered In Computer Data File: 12/15/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 01/18/96
Is Updated: False
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material Class Type: Petroleum
Quantity Spilled: 15
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Vijax, ROANLD CATAGGIO INFORMED OF SPILL BY DEC AND TOLD TO CALL IT IN AND CLEAN UP. VIJAX HIRED SWEET CLAIMS, WHO HIRED PTC TO DO CLEANUP. PTEROLEUM IMAPCTED THE SOUTH SIDE OF 51ST AVE. AND FLOWED WESTWARD, INTO A STORM SEWER ON 5TH STREET. PTCCLEANED UP WITH PADS, SPEEDI-DRY. NO FURTHER ACTION REQUIRED.
Spill Cause: APPARENT OVERFILL BY DRIVER. BEING INVESTIGATED BY THE COMPANY AT THIS TIME.

241 North 1/4-1/2 0.499 mi. 2636 ft. | **SERVICE BOX 51208**
448/450 51ST ST
NEW YORK CITY, NY | **NY Spills** / **NY Hist Spills** | **S104786959** / **N/A**

Relative: Lower

Actual: 8 ft.

NY Spills:

Site ID:	199422
Facility Addr2:	Not reported
Facility ID:	0004180
Spill Number:	0004180
Facility Type:	ER
SWIS:	2401
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	07/07/00
Reported to Dept:	07/07/00
CID:	389
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/17/01
Remediation Phase:	0
Date Entered In Computer:	07/07/00
Spill Record Last Update:	10/17/01
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, ZZ
Spiller Company:	999
Spiller Phone:	Not reported
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Region:	2
Program Number:	0004180
DER Facility ID:	165983
Site ID:	199422
Operable Unit ID:	826579
Operable Unit:	01
Material ID:	568985
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False
DEC Memo:	Start DECRemark - 0004180 Prior to Sept, 2004 data translation this spill Lead

SERVICE BOX 51208 (Continued) **S104786959**

Remarks: DEC Field was "O'CONNELL" Con Ed e2mis Notes: 7/7/00 Found a file of unknown oil on 50gal water in service box. Sample returned <1ppm PCB. 7/14/00 Cleanup completed by double washing hole with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. No sump. END DECRemark - 0004180 Start CallerRemark - 0004180 caller reporting a spill of material possibly a sheen non dimensionaless samples taken clean up pending lab results coned#132234 no callback necessary END CallerRemark - 0004180

NY Hist Spills:

Region of Spill:	2
Spill Number:	0004180
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/07/2000 09:00
Reported to Dept Date/Time:	07/07/00 10:06
SWIS:	61
Spiller Name:	UNK
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Address:	UNK
Spiller City,St,Zip:	UNK
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/17/01
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/07/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	10/17/01
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

SERVICE BOX 51208 (Continued) **S104786959**

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	Con Ed e2mis Notes: 7/7/00 Found a file of unknown oil on 50gal water in service box. Sample returned <1ppm PCB. 7/14/00 Cleanup completed by double washing hole with slix. Liquids removed by tanker, solids by vactor. No leaking equipment.No sump.
Remark:	caller reporting a spill of material possibly a sheen non dimensionaless samples taken clean up pending lab results coned 132234 no callback necessary

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BA242 **MANHOLE 2470** **NY Spills** **S106008721**
NNE **NE 51ST AVE / 5TH ST** **N/A**
1/4-1/2 **QUEENS, NY**
0.500 mi.
2638 ft. **Site 2 of 3 in cluster BA**

Relative:
Lower

Actual:
9 ft.

NY Spills:

Site ID:	111095
Facility Addr2:	Not reported
Facility ID:	0207709
Spill Number:	0207709
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	KMFOLEY
Referred To:	Not reported
Spill Date:	10/24/02
Reported to Dept:	10/25/02
CID:	216
Spill Cause:	Unknown
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/10/03
Remediation Phase:	0
Date Entered In Computer:	10/25/02
Spill Record Last Update:	02/10/03
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Spiller Phone:	Not reported

MANHOLE 2470 (Continued) **S106008721**

Contact Name:	LARRY COSTA
Contact Phone:	(212) 580-6763
DEC Region:	2
Program Number:	0207709
DER Facility ID:	97186
Site ID:	111095
Operable Unit ID:	860567
Operable Unit:	01
Material ID:	514721
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Soil
Oxygenate:	False

DEC Memo: Start DECRemark - 0207709 Prior to Sept, 2004 data translation this spill Lead DEC Field was "FOLEY" Con Ed e2mis #145723: 10-24-02 1720 HRS T. KUSTERBECK # 32086 FOD REPORTS WHILE FINDING A FAULT ON TROUBLE FDR. 1Q08 IN MH2470 NEC 51 AVE & 5ST (FAULT IS IN MH2470) HE FOUND APPROX 1 PINT UNKNOWN OIL ON 200 GALLONS WATER. THERE WAS SMOKE (NO SMOKE AT THIS TIME) , NO FIRE. NO PRIVATE PROPERTY AFFECTED. NO INJURIES. HE DOES NOT SEE A SEWER CONNECTION OR SUMP, LIQUID SEEMS CONTAINED NO SEWERSOR WATERWAYS AFFECTED. HE TOOK A LIQUID SAMPLE AND REQUESTED EMERG PRIORITY FOR PCB SAMPLE RESULTS. CLEANUP PENDING SAMPLE RESULTS CHAIN OF CUSTODY # BB08934. HE PLACED E.S.TAG # 08707. NO PARKING ANY TIME CIG M. SCHLAGEL NOTIFIED 1744 HRS UPDATE @ 0052 HRS 10/25 LAB RESULTS RECEIVED SEQ #02-10016-001 @ <1PPM PCB. UPDATE 10/25/02 02:10 HRS. J. DAVIS OF QUEENS ENV. OPS. ON LOCATION FOR CLEANUP AND REPORTS AN EARTHEN SUMP WAS FOUND IN STRUCTURE. REMOVED JOB FROM 24-HOUR DEMINIMIS PROGRAM AND WILL NOTIFY C.I.G. 10/25/02 02:25 HRS. NOTIFIED L. COSTA OF C.I.G. END DECRemark - 0207709

Remarks: Start CallerRemark - 0207709 spill in manhole on top of 200 gallons of water spill could not have been cleaned up within 24 hours sump was concreted con edison ref # 145723 spill will be cleaned up after they concrete the sump END CallerRemark - 0207709

BA243 **5TH ST & 51ST AVE** **NY Spills** **S102961605**
NNE **5TH ST / 51ST AVE** **NY Hist Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.500 mi.
2638 ft. **Site 3 of 3 in cluster BA**

Relative:
Lower

Actual:
9 ft.

NY Spills:

Site ID:	268917
Facility Addr2:	Not reported
Facility ID:	8807932
Spill Number:	8807932
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	JHOCONNE
Referred To:	Not reported
Spill Date:	12/31/88
Reported to Dept:	12/31/88
CID:	Not reported
Spill Cause:	Equipment Failure

5TH ST & 51ST AVE (Continued) **S102961605**

Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Fire Department
Cleanup Ceased:	11/14/94
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Remediation Phase:	1
Date Entered In Computer:	01/11/89
Spill Record Last Update:	08/04/03
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Company:	Not reported
Spiller Phone:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Region:	2
Program Number:	8807932
DER Facility ID:	219028
Site ID:	268917
Operable Unit ID:	923415
Operable Unit:	01
Material ID:	452707
Material Code:	0003
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4700.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Sewer
Oxygenate:	False
DEC Memo:	Start DECRemark - 8807932 Prior to Sept, 2004 data translation this spill Lead DEC Field was "O'CONNELL" 12/31/88, 2040hrs: DEC (SIGONA) RESPONDED, AAA PUMPED 3000 GALLONS ATTEMPTING TO IDENTIFY SOURCE OF LEAK, VACUUM TRUCK TO FINISH CLEAN UP.11/14/94: REASSIGNED FROM SIGONA TO ENGELHARDT. 11/21/97: REASSIGNED FROM ENGELHARDT TO O'CONNELL AND RE-OPENED PENDING INVESTIGATION UNDER APPENDIX B SITE NO. 26. END DECRemark - 8807932
Remarks:	Start CallerRemark - 8807932 BREAK IN PIPELINE, 4000 GALLONS PUMPED LOST IN SPILL. END CallerRemark - 8807932

NY Hist Spills:

Region of Spill:	2
Spill Number:	8807932
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported

5TH ST & 51ST AVE (Continued) **S102961605**

Spill Date/Time:	12/31/1988 18:20
Reported to Dept Date/Time:	12/31/88 19:30
SWIS:	63
Spiller Name:	CON EDISON
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Fire Department
PBS Number:	Not reported
Cleanup Ceased:	11/14/94
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/11/89
Date Spill Entered In Computer Data File:	Not reported
Update Date:	11/21/97
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	4700
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#6 FUEL OIL
Class Type:	#6 FUEL OIL
Times Material Entry In File:	2190
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	12/31/88, 2040hrs: DEC SIGONA) RESPONDED, AAA PUMPED 3000 GALLONS ATTEMPTING TO IDENTIFY SOURCE OF LEAK, VACUUM TRUCK TO FINISH CLEAN UP. 12/31/88). 11/14/94: REASSIGNED FROM SIGONA TO ENGELHARDT. 11/21/97: REASSIGNED FROM ENGELHARDT TO O CONNELL AND RE-OPENED PENDING INVESTIGATION UNDER APPENDIX 3.
Remark:	BREAK IN PIPELINE, 4000 GALLONS PUMPED LOST IN SPILL.

244 NNE 1/2-1 0.597 mi. 3151 ft. | **KOSAN INDUSTRIAL CORP**
5-49 49TH AVE
LONG ISLAND CITY, NY 11101 | **FINDS**
CORRACTS
MANIFEST
RCRA-NonGen | **1000150474**
NYD061949228

Relative: Lower

Actual: 8 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORRACTS:

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	01/13/2004
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	02/28/1995
Action:	CA225NF - Stabilization Measures Evaluation, This facility, is not amenable to stabilization activity at the, present time, because it appears to be technically infeasible or, inappropriate
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	04/25/1995
Action:	CA050 - RFA Completed
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	04/25/1995
Action:	CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	04/25/1995
Action:	CA210T - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD061949228
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	09/08/1993
Action:	CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

NY MANIFEST:

Document ID:	NYO2904912
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	830210
Trans1 Recv Date:	830210
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830210
Part A Recv Date:	030222
Part B Recv Date:	030222
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00825
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	83
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD061949228
Facility Name:	KOSAN INDUSTRIAL CORP

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Facility Address:	5-49 49TH AVENUE
Facility City:	LONG ISLAND CITY
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	KOSAN INDUSTRIAL CORP
Mailing Contact:	THOMAS GILCHRIST OWNER SE
Mailing Address:	5-49 49ATH AVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-784-8385
Document ID:	NYO3019401
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	830616
Trans1 Recv Date:	830616
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830616
Part A Recv Date:	030628
Part B Recv Date:	030628
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	01100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	020
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	83
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD061949228

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Facility Name:	KOSAN INDUSTRIAL CORP
Facility Address:	5-49 49TH AVENUE
Facility City:	LONG ISLAND CITY
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	KOSAN INDUSTRIAL CORP
Mailing Contact:	THOMAS GILCHRIST OWNER SE
Mailing Address:	5-49 49ATH AVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-784-8385
Document ID:	NYO3080565
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	830831
Trans1 Recv Date:	830831
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	830831
Part A Recv Date:	030913
Part B Recv Date:	030913
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	83
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD061949228
Facility Name:	KOSAN INDUSTRIAL CORP
Facility Address:	5-49 49TH AVENUE
Facility City:	LONG ISLAND CITY
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	KOSAN INDUSTRIAL CORP

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Mailing Contact:	THOMAS GILCHRIST OWNER SE
Mailing Address:	5-49 49ATH AVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-784-8385
Document ID:	NYO1651896
Manifest Status:	Completed copy
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	821117
Trans1 Recv Date:	821117
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	821117
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD061949228
Facility Name:	KOSAN INDUSTRIAL CORP
Facility Address:	5-49 49TH AVENUE
Facility City:	LONG ISLAND CITY
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	KOSAN INDUSTRIAL CORP
Mailing Contact:	THOMAS GILCHRIST OWNER SE
Mailing Address:	5-49 49ATH AVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-784-8385

Document ID:	NYO1650393
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	820703
Trans1 Recv Date:	820703
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820730
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00715
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD061949228
Facility Name:	KOSAN INDUSTRIAL CORP
Facility Address:	5-49 49TH AVENUE
Facility City:	LONG ISLAND CITY
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	KOSAN INDUSTRIAL CORP
Mailing Contact:	THOMAS GILCHRIST OWNER SE
Mailing Address:	5-49 49ATH AVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-784-8385

Document ID:	NYO1650717
Manifest Status:	Completed copy

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Trans1 State ID:	NY2A074
Trans2 State ID:	Not reported
Generator Ship Date:	820915
Trans1 Recv Date:	820915
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	820915
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061949228
Trans1 EPA ID:	NYD000824334
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000824334
Waste Code:	F003 - UNKNOWN
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	82
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD061949228
Facility Name:	KOSAN INDUSTRIAL CORP
Facility Address:	5-49 49TH AVENUE
Facility City:	LONG ISLAND CITY
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	KOSAN INDUSTRIAL CORP
Mailing Contact:	THOMAS GILCHRIST OWNER SE
Mailing Address:	5-49 49ATH AVENUE
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-784-8385

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	KOSAN INDUSTRIAL CORP
Facility address:	5-49 49TH AVE LONG ISLAND CITY, NY 111015610
EPA ID:	NYD061949228
Mailing address:	49TH AVE LONG ISLAND CITY, NY 11101

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Contact: -
Contact address: 49TH AVE
LONG ISLAND CITY, NY 11101
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 07/08/1999
Facility name: KOSAN INDUSTRIAL CORP
Classification: Not a generator, verified

Date form received by agency: 11/19/1980
Facility name: KOSAN INDUSTRIAL CORP
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: KOSAN INDUSTRIAL CORP
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 09/08/1993
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 02/28/1995
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time, because it appears to be technically infeasible or inappropriate.

Event date: 04/25/1995
Event: RFA Completed

KOSAN INDUSTRIAL CORP (Continued) **1000150474**

Event date: 04/25/1995
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 04/25/1995
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority.

Event date: 01/13/2004
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 05/13/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

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245 South 1/2-1 0.750 mi. 3958 ft. | **BAYSIDE OIL**
1-65 NORTH 12TH STREET
BROOKLYN, NY 11211 | **VCP** | **S105775540**
N/A

Relative: Lower
Actual: 1 ft.

VCP:
Program Type: VCP
Site Code: 57122
Assessment: Not reported
Env Problems: Previous studies at the Site confirm widespread petroleum contamination with MGP involvement. For example, fuel oil and naphthalene odors are reported in boring logs as deep as 60 feet, and in July 2002 TRC Environmental (TGE's consultant) found heavy staining and MGP waste in a boring 20 feet below grade and reported the occurrence to NYSDEC as a spill (No. 0203677). In addition to organic pollutants, a 1997 investigation also found soil samples with elevated levels of lead. The Phase IIassessment was completed in January 2003 and confirmed widespread groundwater and soil contamination with MGP waste and petroleum related contaminants. Heavy staining and odors (coal tar) observed from 20 feet depths to top of clay at 60 feet depths. VOCs and PAH exceed RSCOs below 20 feet depth. Benzene concentrations below 20 feet depth observed up to 864,000 ppb. Off-site benzene detected upto 128,000 ppb. Free product observed (wells B4, MW7). On-site groundwater impacted from water table to top of clay by petroleum and coal tar related compounds. Benzene detected throughout the site at concentrations of 6.5 ppb to 29,500 ppb (in MWB-11). MTBE ranged from 1.2 to 329 ppb and naphthalene ranged from 1.6 to 579 ppb.
Site Desc: The TransGas Energy (TGE) Facility is a project for a new energy facility located on the East River waterfront between the Greenpoint and Williamsburg sections of Brooklyn. TGE proposed to construct and operate an 1100-megawatt gas-fired plant on the Brooklyn waterfront near Bushwick Inlet between the communities of Greenpoint and Williamsburg. For over 100 years, the Site has been operated as a fuel oil storage and distribution facility. Site soils and groundwater are contaminated with Petroleum spill contaminants, MGP Waste and heavy metal contamination. TGE entered the Department's Voluntary Cleanup Program (VCP) in December 2002. The site must be remediated before the facility can be constructed. The current owner of the Site, which TGE has optioned for its cogeneration facility, is the Bayside Fuel Oil Depot. Under Bayside Fuel and previous owners (which include Socony Mobil, Texaco Refining

BAYSIDE OIL (Continued) **S105775540**

and Marketing and others), the Site has been operated as a fuel oil storage and distribution facility for over 100 years. There is an existing oil spill stipulation (Spill No. 9804544) with Texaco Refining and Marketing that has resulted in ongoing recovery of free-product and contaminated-groundwater. The Phase II assessment was completed in January 2003 and confirmed widespread groundwater and soil contamination with MGP waste and petroleum related contaminants. RI is on-going.

BB246 **OCA LIC FIFTH STREET MIXED-USE HOUSING** **VCP** **S108239557**
NNE **5-20 46TH ROAD** **N/A**
1/2-1 **QUEENS, NY 11101**
0.794 mi.
4190 ft. **Site 1 of 2 in cluster BB**

Relative:
Lower

Actual:
10 ft.

VCP:
Program Type: BCP
Site Code: 371406
Assessment: Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.
Env Problems: The primary contaminants of concern at the site known at this time include VOC and SVOCs. Investigations indicate that exceedances of SVOCs and metals were detected in soil samples collected from a Phase II investigation during July 2005. Additionally, VOC and SVOC exceedances were detected in 1 groundwater sample during the same investigation. Groundwater samples taken in September 2005 revealed 2 inches of free product and elevated VOC and SVOCs in a newly installed well. A Phase II Investigation conducted in May 2006 concluded that VOCs and metals in soil samples were above TAGM and that VOCs and metals exceeding SCGs were detected in groundwater from additional monitoring well.
Site Desc: The OCA LIC site is located in an urban portion of Queens County, NY. This site is approximately 1 acre in size and the site is intended for residential and commercial use. The site will be redeveloped as a mixed-use project with ground floor retail along the 5th Street frontage, residential townhouses along 46th Road, and accessory parking below grade. The main site features consist of thirteen (13) structures on site, 60 of which are currently vacant. The site is located in an industrialarea of Queens with a significant amount of residential and commercial development currently taking place in the immediate vicinity of the site. The property has a long history of industrial use that may have resulted in subsurface contamination.Past industrial uses include: varnish works, an ink factory, metal castings and plating, cleaners and dyers and a dry cleaner. Hazardous materials associated with the historical uses include: industrial solvents, lubricating and cutting oils, metalpolishing material, plating bath solutions, paint and painting products and dye products. In addition, Sanborn maps indicate the presence of two (2) gasoline storage tanks, twenty-two (22) Varnoline storage tanks, three (3) solvent tanks and one (1)10,000 gallon #6 fuel UST. Completed investigations include Phase I and Phase II Investigations, which were submitted as part of the BCP application.

BB247	**ACCURATE ASSOCIATES**	**FINDS**	**1000426821**
NNE	**5-36 46TH RD**	**RAATS**	**NYD001264191**
1/2-1	**LONG ISLAND CITY, NY 11101**	**CORRACTS**	
0.794 mi.		**MANIFEST**	
4191 ft.	**Site 2 of 2 in cluster BB**	**RCRA-NonGen**	

Relative:
Lower

Actual:
10 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

CORRACTS:

EPA ID:	NYD001264191
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	03/15/1991
Action:	CA050 - RFA Completed
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD001264191
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	05/24/1991
Action:	CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD001264191
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	11/17/1992
Action:	CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority

ACCURATE ASSOCIATES (Continued) **1000426821**

NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

NY MANIFEST:

Document ID:	MIA2302313
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA113
Trans2 State ID:	Not reported
Generator Ship Date:	910416
Trans1 Recv Date:	910416
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910418
Part A Recv Date:	910708
Part B Recv Date:	910503
Generator EPA ID:	NYD001264191
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	MID098011992
Waste Code:	F008 - PLAT SLDG FM BTM PLAT BATH OPER CYANIDE.
Quantity:	00700
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00700
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00700
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00700
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported

ACCURATE ASSOCIATES (Continued) **1000426821**

Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001264191
Facility Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Facility Address:	5-36 46TH ROAD
Facility City:	LONG ISLAND
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Mailing Contact:	MILTON BROCK
Mailing Address:	5-20 46TH ROAD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-2957

Document ID:	MIA2302315
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA113
Trans2 State ID:	Not reported
Generator Ship Date:	910416
Trans1 Recv Date:	910416
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910418
Part A Recv Date:	910708
Part B Recv Date:	910503
Generator EPA ID:	NYD001264191
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	MID098011992
Waste Code:	F008 - PLAT SLDG FM BTM PLAT BATH OPER CYANIDE.
Quantity:	07700
Units:	P - Pounds
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001264191
Facility Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Facility Address:	5-36 46TH ROAD

ACCURATE ASSOCIATES (Continued) **1000426821**

Facility City:	LONG ISLAND
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Mailing Contact:	MILTON BROCK
Mailing Address:	5-20 46TH ROAD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-2957
Document ID:	NYB2201247
Manifest Status:	Completed copy
Trans1 State ID:	PD1010
Trans2 State ID:	Not reported
Generator Ship Date:	911205
Trans1 Recv Date:	911205
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	911205
Part A Recv Date:	Not reported
Part B Recv Date:	911224
Generator EPA ID:	NYD001264191
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	03930
Units:	P - Pounds
Number of Containers:	027
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001264191
Facility Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Facility Address:	5-36 46TH ROAD
Facility City:	LONG ISLAND
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Mailing Contact:	MILTON BROCK
Mailing Address:	5-20 46TH ROAD

ACCURATE ASSOCIATES (Continued) **1000426821**

Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-2957
Document ID:	NYB2639376
Manifest Status:	Completed copy
Trans1 State ID:	HM3506
Trans2 State ID:	Not reported
Generator Ship Date:	910826
Trans1 Recv Date:	910826
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910826
Part A Recv Date:	910909
Part B Recv Date:	910904
Generator EPA ID:	NYD001264191
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity:	00880
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	016
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	135
Waste Code:	Not reported
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	135
Waste Code:	Not reported
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	135
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYD001264191

ACCURATE ASSOCIATES (Continued) **1000426821**

Facility Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Facility Address:	5-36 46TH ROAD
Facility City:	LONG ISLAND
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Mailing Contact:	MILTON BROCK
Mailing Address:	5-20 46TH ROAD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-2957
Document ID:	NYB2639385
Manifest Status:	Completed copy
Trans1 State ID:	HL4120
Trans2 State ID:	Not reported
Generator Ship Date:	910826
Trans1 Recv Date:	910826
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910826
Part A Recv Date:	910909
Part B Recv Date:	910904
Generator EPA ID:	NYD001264191
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity:	00990
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	018
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	135
Waste Code:	Not reported
Quantity:	00495
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	009
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	135
Year:	91
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported

ACCURATE ASSOCIATES (Continued) **1000426821**

EPA ID:	NYD001264191
Facility Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Facility Address:	5-36 46TH ROAD
Facility City:	LONG ISLAND
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	ACCURATE ASSOCIATES / FAMOUS CASTINGS
Mailing Contact:	MILTON BROCK
Mailing Address:	5-20 46TH ROAD
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-729-2957

RCRA-NonGen:

Date form received by agency:	01/01/2006
Facility name:	ACCURATE ASSOCIATES
Facility address:	5-36 46TH RD LONG ISLAND CITY, NY 111015318
EPA ID:	NYD001264191
Mailing address:	46TH RD LONG ISLAND CITY, NY 11101
Contact:	-
Contact address:	46TH RD LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler accessibilty indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

ACCURATE ASSOCIATES (Continued) **1000426821**

Historical Generators:
Date form received by agency: 07/08/1999
Facility name: ACCURATE ASSOCIATES
Classification: Not a generator, verified

Date form received by agency: 07/31/1991
Facility name: ACCURATE ASSOCIATES
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 03/15/1991
Event: RFA Completed

Event date: 05/24/1991
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Event date: 11/17/1992
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/23/1991
Date achieved compliance: 05/24/1991
Violation lead agency: EPA
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 05/24/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 02/10/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/13/1991
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/26/1991
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/24/1991

ACCURATE ASSOCIATES (Continued) **1000426821**

Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/13/1991
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/31/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/28/1991
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/24/1991
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/23/1991
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/23/1991
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/20/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/24/1991
Evaluation lead agency: EPA

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248 **PEPSI COLA PLANT** **VCP** **S102149658**
NNE **46-00 5TH STREET** **NY Spills** **N/A**
1/2-1 **LONG ISLAND CITY, NY** **NY Hist Spills**
0.834 mi.
4405 ft.

Relative:
Lower

Actual:
8 ft.

VCP:
Program Type: VCP
Site Code: 359687
Assessment: Public water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have

PEPSI COLA PLANT (Continued) **S102149658**

sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systems to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.

Env Problems: Site contamination caused by historic filling, historic oil refinery systems, historic paint and varnish operations and underground storage tanks resulted in petroleum-related impacts, impacts of hazardous and non-hazardous metals and a localized arThe results of the RI with respect to OU1 indicated the presence of OU1-wide soil contamination caused by historic filling (SVOCs and metals), petroleum-related impacts caused by historic oil refinery systems, limited impacts (i.e., metals) by histSeveral investigations have been done on the property since 1985. Based on these investigations, remediation (IRM) was performed (January through March , 2005). Soil remediation in the OU4 waterfront area consisted of removal and off-site disposalBased on the investigation and reuse and disposal sampling results, remediation was performed between January 3, 2005 and March 7, 2005. Soil remediation along the OU3 waterfront area consisted the excavation and off-site disposal of about 3,100 tea of elevated levels of tetrachloroethylene in Site soil. SVOC and VOC impacted material located in 47th Road area, likely resulted in these contaminants in groundwater. The paint factories were located on the southern part of the site. Metaloric paint and varnish operations at the southeast end of OU1 and impacts from likely off-site sources of SVOCs and VOCs at the south end of OU1 (47th Road area). Except for the dissolved VOCs and naphthalene in groundwater at the south end of OU1,of about 5,200 tons of historic fill and soil from within the waterfront area in OU4. The RIWP for OUs 3 and 4 (approved January 2006)describes the remedial investigation activities to be conducted Originally, the entire Site was part of the Huons of historic fill and soil from within the waterfront area in OU3. In-situ soil sampling was conducted and identified need for additional soils requiring remediation. Originally, the entire Site was part of the Hunter family farm in the early1800s. Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 to process crude oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and the property, and continter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 and OU-4 to process crude oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY)the mobility of contaminants is low. Portions of the site have floating petroleum product on the groundwater. The weathered petroleum in the soils, when handled, causes a nuisance odor that has to be controlled with foam and a misting spray. Origicontamination in soils is present in the south-eastern portion of the site (OU-2). 1880s, the N.Y. Mastics Company Works and Enamel Sign Company occupied the south end of OU2. The Standard Oil Company of New York (SOCONY) occupied the remainder ofnally, the entire Site was part of the Hunter family farm in the early 1800s. In the late 1880s, the N.Y. Mastics Company Works occupied the south end of OU1 (i.e., south of existing 47th Avenue); the Standard Oil Company of New York (SOCONY) occupacquired Devoe and continued similar operations until the early 1900s, when SOCONY modified its petroleum distilling

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operations to produce gasoline and other oil products. The Historic Sanborn Map for 1898 shows that aboveground oil storage tanks oOU2. SOCONY had steam stills for petroleum refining and a container factory on OU2. By 1915, the National Varnish Company had replaced the Enamel Sign Company. The varnish company contained several buildings labeled gum storage, oil storage, oilnued similar operations until the early 1900s when SOCONY modified its petroleum distilling operations to produce gasoline and other oil products. The Historic Sanborn Map for 1898 shows steam stills and a coal shed on the eastern half of OU3 and aied the northernmost end of OU1 (i.e., north of the existing 47th Avenue). The SOCONY had a tin can factory, a storage building and a boat slip on OU1. By 1915, the area formerly occupied by the Mastics Company Works had become vacant and the remaiccupied the eastern end of OU4, and a structure used for oil filling and packaging occupied the remainder of OU4. The 1915 Historic Sanborn Map indicates similar petroleum refining operations on the Site. By 1936, the SOCONY operations had ceasedtank storage, oil tank shed, coke shed, alcohol storage, and benzene and turpentine tanks. By 1947, PepsiCo occupied buildings in OU2 to the north of 47th Avenue. The remainder of OU2 was occupied by a manufacturer of machine products, Buchmann Spbox factory on the western half of OU3. By 1936, the SOCONY operations had ceased on OU3. SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildings on the Site.ning area of OU1 continued to be occupied by the same SOCONY operations. The 1936 the occupant of the buildings is unidentified. By 1947, PepsiCo occupied buildings in OU1 to the north of 47th Avenue. The remainder of OU1, located to the south ofon OU4, as evident by the disappearance of oil refinery systems (aboveground oil tanks, etc.). SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildings on the Site. Sanborn maps for subsequent years show no significant changearkwheel Corporation, and a manufacturer of industrial sanitary and maintenance chemical products. Sanborn Maps for subsequent years show no significant change in the use of OU-2.in use. After the completion of the Remedial Investigation (RI), a Remedial Action Work Plan (RAWP) will be prepared and implemented for OU4. After remediation, OU4 will be developed for residential high-rise buildings which will not have basem47th Avenue, continued to be vacant at this time. Sanborn Maps for subsequent years show no significant change in usage of OU1.ent or subgrade levels.

Site Desc: The site is located in an urban area in Queens along the East River and bounded by OU3 to the north, 5th Street to the east, 47th Road to the south and OU1 to the west. OU2 (Site B) covers approximately 6 acres in Tax Blocks 20 and 21, separated byThe site is located in an urban area in Queens along the East River and bounded by 47th Road to the south, 5th Street to the east and Anabel Basin to the north. The entire property consists of contiguous parcels corresponding to Tax Blocks 20 and 2The entire Site consists of contiguous parcels corresponding to Tax Blocks 20 and 21 in Queens, New York. OU4 covers approximately 5 acres in Tax Blocks 21. OU4 is bordered by Anable Basin to the north, 5th Street to the east, OU3 to the south andThe entire property consists of contiguous parcels corresponding to Tax Blocks 20 and 21 in Queens, New York (the "Site"). OU3 covers approximately 5 acres in Tax Block 21. OU3 is bordered by OU4 to the north, 5th Street to the east, OUs 1 and 2 t47th Avenue. Originally, the entire Site was part of the Hunter family farm in the early 1800s. In the late 1880s, the N.Y. Mastics Company Works occupied the south end of OU2 (i.e., south of existing 47th Avenue); the Standard Oil Company of New1 in Queens, New York (the "Site"). OU1 (Site A)is located in Tax Block 20 and is bordered by OUs 2 and 3 to the north, OU2 to the east, 47th Road to the south and the East River to the west. Originally, the entire Site was part of the Hunter famithe East River to the west. Originally, the entire Site was part of the Hunter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized

PEPSI COLA PLANT (Continued) **S102149658**

OU3 and OU-4 to process crude oil io the south and the East River to the west. Originally, the entire Site was part of the Hunter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 to process crudnto kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and continued similar operations until the early 1900s, when SOCONY modified its petroleum distilling operations to produce gasoline and other oil products.e oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and the property, and continued similar operations until the early 1900s when SOCONY modified its petroleum distilling operations to produce gasoline aYork (SOCONY) occupied the northernmost end of OU2. SOCONY had steam stills for petroleum refining and a container factory on OU2. By 1915, the National Varnish Company replaced the Mastics Company. The varnish company contained several buildingsly farm in the early 1800s. Former industrial uses of the site include a varnish factory, a paint factory on the southern part of the site and an oil terminal on the northern part of the site. In the late 1880s, the N.Y. Mastics Company Works (the Mastics Company) occupied the south end of OU1 (i.e., south of existing 47th Avenue); the Standard Oil Company of New York (SOCONY) occupied the northernmost end of OU1 (i.e., north of the existing 47th Avenue). The SOCONY had a tin can factory, alabeled gum storage, oil storage, oil tank storage, oil tank shed, coke shed, alcohol storage, and benzene and turpentine tanks. SOCONY operations included a gasholder, iron tank, condenser tanks and aboveground oil tanks. By 1947, PepsiCo occupiend other oil products. The Historic Sanborn Map for 1898 shows steam stills and a coal shed on the eastern half of OU3 and a box factory on the western half of OU3. By 1936, the SOCONY operations had ceased on OU3. SOCONY sold the Site to PepsiCoThe Historic Sanborn Map for 1898 shows that aboveground oil storage tanks occupied the eastern end of OU4, and a structure used for oil filling and packaging occupied the remainder of OU4. The 1915 Historic Sanborn Map indicates similar petroleumd buildings in OU2 to the north of 47th Avenue. The remainder of OU2 was occupied by a manufacturer of machine products, Buchmann Sparkwheel Corporation, and a manufacturer of industrial sanitary and maintenance chemical products. Surrounding lastorage building and a boat slip on OU1. By 1947, PepsiCo occupied buildings in OU1 to the north of 47th Avenue. All former structures have been demolished except for the Pepsi Cola sign which is placed along the East River. Surrounding land usein 1936. By 1947, PepsiCo occupied buildings on the Site. Surrounding land use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildrefining operations on the Site. By 1936, the SOCONY operations had ceased on OU4, as evident by the disappearance of oil refinery systems (aboveground oil tanks, etc.). SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildingsings south of the Site and various warehouses and private homes to the east and to the north. Several investigations have been done on the property since 1985, and additional investigation was done in 2004 to supplement previous investigations.nd use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildings south of the Site and various warehouses and private homes to the easconsists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildings south of the Site and various warehouses and private homes to the east and ton the Site. Sanborn maps for subsequent years show no significant change in use. Surrounding land use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are higThe Operable Units Three and Four Remedial Investigation Work Plan was approved by the Department on January 5, 2006. The RIWP for OUs 3 and 4

PEPSI COLA PLANT (Continued) **S102149658**

describes the remedial investigation activities to be conducted The remedy, conducted (January - Mao the north. OU1 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, courtyards, and parking. The buildings will not have basement or subgrade levels. Several it and to the north. Several investigations conducted on the property from 1985 through 2004. Remedial Investigation indicated OU-2-wide soil contamination caused by historic fill, petroleum related impacts from historic subterranean oil refineryh-rise residential buildings south of the Site and various warehouses and private homes to the east and to the north. Several investigations have been done on the property since 1985. The Operable Units Three and Four Remedial Investigation Workrch 2005) as part of the IRM, included Soil remediation along the OU3 waterfront area through the excavation and off-site disposal of soil hot spots, subsurface sumps and pits and grossly contaminated soil above and below the water table. About 3,1systems, underground tanks and localized areas of elevated metals and tetrachloroethylene in soil. The remedy, primarily completed (2006), included excavation and off-site disposal of contaminated soil, removal of tanksa and historic piping systePlan was approved by the Department on January 5, 2006. The RIWP for OUs 3 and 4 describes the remedial investigation activities to be conducted Based on these investigations, remediation (IRM) was performed (January through March , 2005). Sonvestigations have been done on the property since 1985, and additional investigation was done in 2004 to supplement previous investigations. The results of the July 2005 RI with respect to OU1 indicated the presence of OU1-wide soil contaminatioil remediation in the OU4 waterfront area consisted of removal and off-site disposal of about 5,200 tons of historic fill and soil from within the waterfront area in OU4. Pre-remediation supplemental investigation of both OU3 and OU4 waterfront ar00 tons of historic fill and soil from within the waterfront area in OU3 were excavated and disposed offsite. In-situ soil sampling was conducted for the purpose of characterizing soil for on-site reuse or off-site disposal along the proposed watems and in-situ soil oxidation. Groundwater remediation included removal of floating, free phase petroleum products. Remediation of OU2 has resulted in the excavation and off-site disposal of over 55,000 tons of material, removal of residual producn caused by historic filling (SVOCs and metals), petroleum-related impacts caused by historic oil refinery systems, limited impacts (metals) by historic paint and varnish operations at the southeast end of OU1 and impacts from likely off-site sourceas consisted of a geophysical survey over the entire area and the installation of 19 test pits and 6 direct push borings. In-situ soil sampling was conducted for the purpose of characterizing soil for on-site reuse or off-site disposal along the pes of SVOCs and VOCs at the south end of OU1 (47th Road area). Interim Remedial Measures (IRMs) conducted on the southern part of the site, mostly consisted of hot spot removals of soils and groundwater remediation. A remedial action Report has beirfront structure excavation area in OU3. Based on the results of the in-situ disposal and reuse sampling, additional soil requiring remediation was identified. After the completion of the Remedial Investigation (RI), an Remedial Action Work Plant, decommissioning and removal of historic subterranean refinery systems, removal of underground storage tanks, and tetrachloroethylene-contaminated surface soil. Engineering and Institutional Controls involving deed restrictions are in place. Reroposed waterfront structure excavation area in OU4. Based on the results of the in-situ disposal and reuse sampling, additional soil requiring remediation was identified. After the completion of the Remedial Investigation (RI), a Remedial Actio(RAWP) has been prepared. The OU-3 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, the Pepsi sign, a possible school, courtyards and parking.

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Buildingsng prepared for the entire site. Remediation of OU1 has resulted in the excavation and off-site disposal of over 24,000 tons of material, installation of a subsurface barrier wall, removal of residual product, and decommissioning and removal of sudevelopment of OU-2 included new residential high rise buildings with commercial space on ground floor, roads, utilities, parks and landscaped areas. A vapor barriers and an active sub-slab depressurization system has been installed to minimize then Work Plan (RAWP) has been prepared for OU3. After remediation, OU4 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, courtyards and parking. The buildingswill be constructed with vapor barriers and an active sub-slab depressurization system to minimize the potential for soil vapor to enter the buildings. The buildings will not have basement or subgrade levels.bsurface structures of concern. Groundwater remediation consisted of source removal and enhanced biodegradation of dissolved phase contaminants. Development of OU-1 includes new buildings, roads, utilities, parks, landscaped areas, and new watepotential for soil vapor to enter the newly constructed buildings. Road and utility corridors have been backfilled with at least two feet of clean fill and/or paving. Parks and landscaped areas are constructed with an upper layer of at least two frfront bulkhead and platform structures. Buildings will be constructed with a vapor barrier and an active sub-slab depressurization systems to minimize the potential for soil vapor to enter the buildings.eet of clean fill.will not have basement or subgrade levels.

Program Type: VCP
Site Code: 359688
Assessment: Public water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systems to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.
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Maps for subsequent years show no significant change in the use of OU-2.in use. After the completion of the Remedial Investigation (RI), a Remedial Action Work Plan (RAWP) will be prepared and implemented for OU4. After remediation, OU4 will be developed for residential high-rise buildings which will not have basem47th Avenue, continued to be vacant at this time. Sanborn Maps for subsequent years show no significant change in usage of OU1.ent or subgrade levels.

Site Desc: The site is located in an urban area in Queens along the East River and bounded by OU3 to the north, 5th Street to the east, 47th Road to the south and OU1 to the west. OU2 (Site B) covers approximately 6 acres in Tax Blocks 20 and 21, separated byThe site is located in an urban area in Queens along the East River and bounded by 47th Road to the south, 5th Street to the east and Anabel Basin to the north. The entire property consists of contiguous parcels corresponding to Tax Blocks 20 and 2The entire Site consists of contiguous parcels corresponding to Tax Blocks 20 and 21 in Queens, New York. OU4 covers approximately 5 acres in Tax Blocks 21. OU4 is bordered by Anable Basin to the north, 5th Street to the east, OU3 to the south andThe entire property consists of contiguous parcels corresponding to Tax Blocks 20 and 21 in Queens, New York (the "Site"). OU3 covers approximately 5 acres in Tax Block 21. OU3 is bordered by OU4 to the north, 5th Street to the east, OUs 1 and 2 t47th Avenue. Originally, the entire Site was part of the Hunter family farm in the early 1800s. In the late 1880s, the N.Y. Mastics Company Works occupied the south end of OU2 (i.e., south of existing 47th Avenue); the Standard Oil Company of New1 in Queens, New York (the "Site"). OU1 (Site A)is located in Tax Block 20 and is bordered by OUs 2 and 3 to the north, OU2 to the east, 47th Road to the south and the East River to the west. Originally, the entire Site was part of the Hunter famithe East River to the west. Originally, the entire Site was part of the Hunter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 and OU-4 to process crude oil io the south and the East River to the west. Originally, the entire Site was part of the Hunter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 to process crudnto kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and continued similar operations until the early 1900s, when SOCONY modified its petroleum distilling operations to produce gasoline and other oil products.e oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and the property, and continued similar operations until the early 1900s when SOCONY modified its petroleum distilling operations to produce gasoline aYork (SOCONY) occupied the northernmost end of OU2. SOCONY had steam stills for petroleum refining and a container factory on OU2. By 1915, the National Varnish Company replaced the Mastics Company. The varnish company contained several buildingsly farm in the early 1800s. Former industrial uses of the site include a varnish factory, a paint factory on the southern part of the site and an oil terminal on the northern part of the site. In the late 1880s, the N.Y. Mastics Company Works (the Mastics Company) occupied the south end of OU1 (i.e., south of existing 47th Avenue); the Standard Oil Company of New York (SOCONY) occupied the northernmost end of OU1 (i.e., north of the existing 47th Avenue). The SOCONY had a tin can factory, alabeled gum storage, oil storage, oil tank storage, oil tank shed, coke shed, alcohol storage, and benzene and turpentine tanks. SOCONY operations included a gasholder, iron tank, condenser tanks and aboveground oil tanks. By 1947, PepsiCo occupiend other oil products. The Historic Sanborn Map for 1898 shows steam stills and a coal shed on the eastern half of OU3 and a box factory on the western half of OU3. By 1936, the SOCONY operations had ceased on OU3. SOCONY sold the Site to PepsiCoThe Historic Sanborn Map for 1898 shows that aboveground oil storage tanks occupied the eastern end of OU4, and a structure used for oil filling and

PEPSI COLA PLANT (Continued) **S102149658**

packaging occupied the remainder of OU4. The 1915 Historic Sanborn Map indicates similar petroleumd buildings in OU2 to the north of 47th Avenue. The remainder of OU2 was occupied by a manufacturer of machine products, Buchmann Sparkwheel Corporation, and a manufacturer of industrial sanitary and maintenance chemical products. Surrounding lastorage building and a boat slip on OU1. By 1947, PepsiCo occupied buildings in OU1 to the north of 47th Avenue. All former structures have been demolished except for the Pepsi Cola sign which is placed along the East River. Surrounding land usein 1936. By 1947, PepsiCo occupied buildings on the Site. Surrounding land use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildrefining operations on the Site. By 1936, the SOCONY operations had ceased on OU4, as evident by the disappearance of oil refinery systems (aboveground oil tanks, etc.). SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildingsings south of the Site and various warehouses and private homes to the east and to the north. Several investigations have been done on the property since 1985, and additional investigation was done in 2004 to supplement previous investigations.nd use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildings south of the Site and various warehouses and private homes to the easconsists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildings south of the Site and various warehouses and private homes to the east and ton the Site. Sanborn maps for subsequent years show no significant change in use. Surrounding land use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are higThe Operable Units Three and Four Remedial Investigation Work Plan was approved by the Department on January 5, 2006. The RIWP for OUs 3 and 4 describes the remedial investigation activities to be conducted The remedy, conducted (January - Mao the north. OU1 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, courtyards, and parking. The buildings will not have basement or subgrade levels. Several it and to the north. Several investigations conducted on the property from 1985 through 2004. Remedial Investigation indicated OU-2-wide soil contamination caused by historic fill, petroleum related impacts from historic subterranean oil refineryh-rise residential buildings south of the Site and various warehouses and private homes to the east and to the north. Several investigations have been done on the property since 1985. The Operable Units Three and Four Remedial Investigation Workrch 2005) as part of the IRM, included Soil remediation along the OU3 waterfront area through the excavation and off-site disposal of soil hot spots, subsurface sumps and pits and grossly contaminated soil above and below the water table. About 3,1systems, underground tanks and localized areas of elevated metals and tetrachloroethylene in soil. The remedy, primarily completed (2006), included excavation and off-site disposal of contaminated soil, removal of tanksa and historic piping systePlan was approved by the Department on January 5, 2006. The RIWP for OUs 3 and 4 describes the remedial investigation activities to be conducted Based on these investigations, remediation (IRM) was performed (January through March , 2005). Sonvestigations have been done on the property since 1985, and additional investigation was done in 2004 to supplement previous investigations. The results of the July 2005 RI with respect to OU1 indicated the presence of OU1-wide soil contaminatioil remediation in the OU4 waterfront area consisted of removal and off-site disposal of about 5,200 tons of historic fill and soil from within the waterfront area in OU4. Pre-remediation supplemental investigation of both OU3 and OU4 waterfront ar00 tons of historic fill and

PEPSI COLA PLANT (Continued) **S102149658**

soil from within the waterfront area in OU3 were excavated and disposed offsite. In-situ soil sampling was conducted for the purpose of characterizing soil for on-site reuse or off-site disposal along the proposed watems and in-situ soil oxidation. Groundwater remediation included removal of floating, free phase petroleum products. Remediation of OU2 has resulted in the excavation and off-site disposal of over 55,000 tons of material, removal of residual producn caused by historic filling (SVOCs and metals), petroleum-related impacts caused by historic oil refinery systems, limited impacts (metals) by historic paint and varnish operations at the southeast end of OU1 and impacts from likely off-site sourceas consisted of a geophysical survey over the entire area and the installation of 19 test pits and 6 direct push borings. In-situ soil sampling was conducted for the purpose of characterizing soil for on-site reuse or off-site disposal along the pes of SVOCs and VOCs at the south end of OU1 (47th Road area). Interim Remedial Measures (IRMs) conducted on the southern part of the site, mostly consisted of hot spot removals of soils and groundwater remediation. A remedial action Report has beirfront structure excavation area in OU3. Based on the results of the in-situ disposal and reuse sampling, additional soil requiring remediation was identified. After the completion of the Remedial Investigation (RI), an Remedial Action Work Plant, decommissioning and removal of historic subterranean refinery systems, removal of underground storage tanks, and tetrachloroethylene-contaminated surface soil. Engineering and Institutional Controls involving deed restrictions are in place. Reroposed waterfront structure excavation area in OU4. Based on the results of the in-situ disposal and reuse sampling, additional soil requiring remediation was identified. After the completion of the Remedial Investigation (RI), a Remedial Actio(RAWP) has been prepared. The OU-3 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, the Pepsi sign, a possible school, courtyards and parking. Buildingsng prepared for the entire site. Remediation of OU1 has resulted in the excavation and off-site disposal of over 24,000 tons of material, installation of a subsurface barrier wall, removal of residual product, and decommissioning and removal of sudevelopment of OU-2 included new residential high rise buildings with commercial space on ground floor, roads, utilities, parks and landscaped areas. A vapor barriers and an active sub-slab depressurization system has been installed to minimize then Work Plan (RAWP) has been prepared for OU3. After remediation, OU4 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, courtyards and parking. The buildingswill be constructed with vapor barriers and an active sub-slab depressurization system to minimize the potential for soil vapor to enter the buildings. The buildings will not have basement or subgrade levels.bsurface structures of concern. Groundwater remediation consisted of source removal and enhanced biodegradation of dissolved phase contaminants. Development of OU-1 includes new buildings, roads, utilities, parks, landscaped areas, and new watepotential for soil vapor to enter the newly constructed buildings. Road and utility corridors have been backfilled with at least two feet of clean fill and/or paving. Parks and landscaped areas are constructed with an upper layer of at least two frfront bulkhead and platform structures. Buildings will be constructed with a vapor barrier and an active sub-slab depressurization systems to minimize the potential for soil vapor to enter the buildings.eet of clean fill.will not have basement or subgrade levels.

Program Type: VCP
Site Code: 359689
Assessment: Public water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four

PEPSI COLA PLANT (Continued) **S102149658**

operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systems to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.

Env Problems: Site contamination caused by historic filling, historic oil refinery systems, historic paint and varnish operations and underground storage tanks resulted in petroleum-related impacts, impacts of hazardous and non-hazardous metals and a localized arThe results of the RI with respect to OU1 indicated the presence of OU1-wide soil contamination caused by historic filling (SVOCs and metals), petroleum-related impacts caused by historic oil refinery systems, limited impacts (i.e., metals) by histSeveral investigations have been done on the property since 1985. Based on these investigations, remediation (IRM) was performed (January through March , 2005). Soil remediation in the OU4 waterfront area consisted of removal and off-site disposalBased on the investigation and reuse and disposal sampling results, remediation was performed between January 3, 2005 and March 7, 2005. Soil remediation along the OU3 waterfront area consisted the excavation and off-site disposal of about 3,100 tea of elevated levels of tetrachloroethylene in Site soil. SVOC and VOC impacted material located in 47th Road area, likely resulted in these contaminants in groundwater. The paint factories were located on the southern part of the site. Metaloric paint and varnish operations at the southeast end of OU1 and impacts from likely off-site sources of SVOCs and VOCs at the south end of OU1 (47th Road area). Except for the dissolved VOCs and naphthalene in groundwater at the south end of OU1,of about 5,200 tons of historic fill and soil from within the waterfront area in OU4. The RIWP for OUs 3 and 4 (approved January 2006)describes the remedial investigation activities to be conducted Originally, the entire Site was part of the Huons of historic fill and soil from within the waterfront area in OU3. In-situ soil sampling was conducted and identified need for additional soils requiring remediation. Originally, the entire Site was part of the Hunter family farm in the early1800s. Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 to process crude oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and the property, and continter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 and OU-4 to process crude oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY)the mobility of contaminants is low. Portions of the site have floating petroleum product on the groundwater. The weathered petroleum in the soils, when handled, causes a nuisance odor that has to be controlled with foam and a misting spray. Origicontamination in soils is present in the south-eastern portion of the site (OU-2). 1880s, the N.Y. Mastics Company Works and Enamel Sign Company occupied the south end of OU2. The Standard Oil Company of New York (SOCONY) occupied the remainder ofnally, the entire Site was part of the Hunter family farm in the early 1800s. In the late 1880s, the N.Y. Mastics Company Works occupied the south end of OU1 (i.e., south of existing 47th Avenue); the Standard Oil Company of New York (SOCONY) occupacquired Devoe and continued similar

PEPSI COLA PLANT (Continued) **S102149658**

operations until the early 1900s, when SOCONY modified its petroleum distilling operations to produce gasoline and other oil products. The Historic Sanborn Map for 1898 shows that aboveground oil storage tanks oOU2. SOCONY had steam stills for petroleum refining and a container factory on OU2. By 1915, the National Varnish Company had replaced the Enamel Sign Company. The varnish company contained several buildings labeled gum storage, oil storage, oilnued similar operations until the early 1900s when SOCONY modified its petroleum distilling operations to produce gasoline and other oil products. The Historic Sanborn Map for 1898 shows steam stills and a coal shed on the eastern half of OU3 and aied the northernmost end of OU1 (i.e., north of the existing 47th Avenue). The SOCONY had a tin can factory, a storage building and a boat slip on OU1. By 1915, the area formerly occupied by the Mastics Company Works had become vacant and the remaiccupied the eastern end of OU4, and a structure used for oil filling and packaging occupied the remainder of OU4. The 1915 Historic Sanborn Map indicates similar petroleum refining operations on the Site. By 1936, the SOCONY operations had ceasedtank storage, oil tank shed, coke shed, alcohol storage, and benzene and turpentine tanks. By 1947, PepsiCo occupied buildings in OU2 to the north of 47th Avenue. The remainder of OU2 was occupied by a manufacturer of machine products, Buchmann Spbox factory on the western half of OU3. By 1936, the SOCONY operations had ceased on OU3. SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildings on the Site.ning area of OU1 continued to be occupied by the same SOCONY operations. The 1936 the occupant of the buildings is unidentified. By 1947, PepsiCo occupied buildings in OU1 to the north of 47th Avenue. The remainder of OU1, located to the south ofon OU4, as evident by the disappearance of oil refinery systems (aboveground oil tanks, etc.). SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildings on the Site. Sanborn maps for subsequent years show no significant changearkwheel Corporation, and a manufacturer of industrial sanitary and maintenance chemical products. Sanborn Maps for subsequent years show no significant change in the use of OU-2.in use. After the completion of the Remedial Investigation (RI), a Remedial Action Work Plan (RAWP) will be prepared and implemented for OU4. After remediation, OU4 will be developed for residential high-rise buildings which will not have basem47th Avenue, continued to be vacant at this time. Sanborn Maps for subsequent years show no significant change in usage of OU1.ent or subgrade levels.

Site Desc: The site is located in an urban area in Queens along the East River and bounded by OU3 to the north, 5th Street to the east, 47th Road to the south and OU1 to the west. OU2 (Site B) covers approximately 6 acres in Tax Blocks 20 and 21, separated byThe site is located in an urban area in Queens along the East River and bounded by 47th Road to the south, 5th Street to the east and Anabel Basin to the north. The entire property consists of contiguous parcels corresponding to Tax Blocks 20 and 2The entire Site consists of contiguous parcels corresponding to Tax Blocks 20 and 21 in Queens, New York. OU4 covers approximately 5 acres in Tax Blocks 21. OU4 is bordered by Anable Basin to the north, 5th Street to the east, OU3 to the south andThe entire property consists of contiguous parcels corresponding to Tax Blocks 20 and 21 in Queens, New York (the "Site"). OU3 covers approximately 5 acres in Tax Block 21. OU3 is bordered by OU4 to the north, 5th Street to the east, OUs 1 and 2 t47th Avenue. Originally, the entire Site was part of the Hunter family farm in the early 1800s. In the late 1880s, the N.Y. Mastics Company Works occupied the south end of OU2 (i.e., south of existing 47th Avenue); the Standard Oil Company of New1 in Queens, New York (the "Site"). OU1 (Site A)is located in Tax Block 20 and is bordered by OUs 2 and 3 to the north, OU2 to the east, 47th Road to the south and the East River to the west. Originally, the entire Site was part of the Hunter famithe East River to the west. Originally, the entire Site was part of the Hunter family farm in the early 1800s. The Devoe Manufacturing

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Company developed a petroleum processing facility in the 1860s, and utilized OU3 and OU-4 to process crude oil io the south and the East River to the west. Originally, the entire Site was part of the Hunter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 to process crudnto kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and continued similar operations until the early 1900s, when SOCONY modified its petroleum distilling operations to produce gasoline and other oil products.e oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and the property, and continued similar operations until the early 1900s when SOCONY modified its petroleum distilling operations to produce gasoline aYork (SOCONY) occupied the northernmost end of OU2. SOCONY had steam stills for petroleum refining and a container factory on OU2. By 1915, the National Varnish Company replaced the Mastics Company. The varnish company contained several buildingsly farm in the early 1800s. Former industrial uses of the site include a varnish factory, a paint factory on the southern part of the site and an oil terminal on the northern part of the site. In the late 1880s, the N.Y. Mastics Company Works (the Mastics Company) occupied the south end of OU1 (i.e., south of existing 47th Avenue); the Standard Oil Company of New York (SOCONY) occupied the northernmost end of OU1 (i.e., north of the existing 47th Avenue). The SOCONY had a tin can factory, alabeled gum storage, oil storage, oil tank storage, oil tank shed, coke shed, alcohol storage, and benzene and turpentine tanks. SOCONY operations included a gasholder, iron tank, condenser tanks and aboveground oil tanks. By 1947, PepsiCo occupiend other oil products. The Historic Sanborn Map for 1898 shows steam stills and a coal shed on the eastern half of OU3 and a box factory on the western half of OU3. By 1936, the SOCONY operations had ceased on OU3. SOCONY sold the Site to PepsiCoThe Historic Sanborn Map for 1898 shows that aboveground oil storage tanks occupied the eastern end of OU4, and a structure used for oil filling and packaging occupied the remainder of OU4. The 1915 Historic Sanborn Map indicates similar petroleumd buildings in OU2 to the north of 47th Avenue. The remainder of OU2 was occupied by a manufacturer of machine products, Buchmann Sparkwheel Corporation, and a manufacturer of industrial sanitary and maintenance chemical products. Surrounding lastorage building and a boat slip on OU1. By 1947, PepsiCo occupied buildings in OU1 to the north of 47th Avenue. All former structures have been demolished except for the Pepsi Cola sign which is placed along the East River. Surrounding land usein 1936. By 1947, PepsiCo occupied buildings on the Site. Surrounding land use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildrefining operations on the Site. By 1936, the SOCONY operations had ceased on OU4, as evident by the disappearance of oil refinery systems (aboveground oil tanks, etc.). SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildingsings south of the Site and various warehouses and private homes to the east and to the north. Several investigations have been done on the property since 1985, and additional investigation was done in 2004 to supplement previous investigations.nd use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildings south of the Site and various warehouses and private homes to the easconsists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildings south of the Site and various warehouses and private homes to the east and ton the Site. Sanborn maps for subsequent years show no significant change in use. Surrounding land use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are higThe Operable Units Three and Four Remedial Investigation Work Plan

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parks and roads, the Pepsi sign, a possible school, courtyards and parking. Buildingsng prepared for the entire site. Remediation of OU1 has resulted in the excavation and off-site disposal of over 24,000 tons of material, installation of a subsurface barrier wall, removal of residual product, and decommissioning and removal of sudevelopment of OU-2 included new residential high rise buildings with commercial space on ground floor, roads, utilities, parks and landscaped areas. A vapor barriers and an active sub-slab depressurization system has been installed to minimize then Work Plan (RAWP) has been prepared for OU3. After remediation, OU4 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, courtyards and parking. The buildingswill be constructed with vapor barriers and an active sub-slab depressurization system to minimize the potential for soil vapor to enter the buildings. The buildings will not have basement or subgrade levels.bsurface structures of concern. Groundwater remediation consisted of source removal and enhanced biodegradation of dissolved phase contaminants. Development of OU-1 includes new buildings, roads, utilities, parks, landscaped areas, and new watepotential for soil vapor to enter the newly constructed buildings. Road and utility corridors have been backfilled with at least two feet of clean fill and/or paving. Parks and landscaped areas are constructed with an upper layer of at least two frfront bulkhead and platform structures. Buildings will be constructed with a vapor barrier and an active sub-slab depressurization systems to minimize the potential for soil vapor to enter the buildings.eet of clean fill.will not have basement or subgrade levels.

Program Type: VCP
Site Code: 57061
Assessment: Public water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systemPublic water is provided to the area, thereby preventing exposures to groundwater. Contaminated material has been removed from two of the four operable units. As part of the final remedy, on-site building will have sub-slab depressurization systems to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.s to prevent the infiltration of soil vapors.
Env Problems: Site contamination caused by historic filling, historic oil refinery systems, historic paint and varnish operations and underground storage tanks resulted in petroleum-related impacts, impacts of hazardous and non-hazardous metals and a localized arThe results of the RI with respect to OU1 indicated the presence of OU1-wide soil contamination caused by historic filling (SVOCs and metals), petroleum-related impacts caused by historic oil refinery systems, limited impacts (i.e., metals) by histSeveral investigations have been done on the property since 1985. Based on these investigations, remediation (IRM) was performed (January through March , 2005). Soil remediation in the OU4 waterfront area consisted of removal and off-site disposalBased on the investigation and reuse and disposal sampling results, remediation was performed between January 3, 2005 and March 7, 2005. Soil remediation along the OU3 waterfront area consisted the excavation and off-site disposal of about 3,100 tea of elevated levels of tetrachloroethylene in Site soil. SVOC

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and VOC impacted material located in 47th Road area, likely resulted in these contaminants in groundwater. The paint factories were located on the southern part of the site. Metaloric paint and varnish operations at the southeast end of OU1 and impacts from likely off-site sources of SVOCs and VOCs at the south end of OU1 (47th Road area). Except for the dissolved VOCs and naphthalene in groundwater at the south end of OU1,of about 5,200 tons of historic fill and soil from within the waterfront area in OU4. The RIWP for OUs 3 and 4 (approved January 2006)describes the remedial investigation activities to be conducted Originally, the entire Site was part of the Huons of historic fill and soil from within the waterfront area in OU3. In-situ soil sampling was conducted and identified need for additional soils requiring remediation. Originally, the entire Site was part of the Hunter family farm in the early1800s. Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 to process crude oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and the property, and continter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 and OU-4 to process crude oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY)the mobility of contaminants is low. Portions of the site have floating petroleum product on the groundwater. The weathered petroleum in the soils, when handled, causes a nuisance odor that has to be controlled with foam and a misting spray. Origicontamination in soils is present in the south-eastern portion of the site (OU-2). 1880s, the N.Y. Mastics Company Works and Enamel Sign Company occupied the south end of OU2. The Standard Oil Company of New York (SOCONY) occupied the remainder ofnally, the entire Site was part of the Hunter family farm in the early 1800s. In the late 1880s, the N.Y. Mastics Company Works occupied the south end of OU1 (i.e., south of existing 47th Avenue); the Standard Oil Company of New York (SOCONY) occupacquired Devoe and continued similar operations until the early 1900s, when SOCONY modified its petroleum distilling operations to produce gasoline and other oil products. The Historic Sanborn Map for 1898 shows that aboveground oil storage tanks oOU2. SOCONY had steam stills for petroleum refining and a container factory on OU2. By 1915, the National Varnish Company had replaced the Enamel Sign Company. The varnish company contained several buildings labeled gum storage, oil storage, oilnued similar operations until the early 1900s when SOCONY modified its petroleum distilling operations to produce gasoline and other oil products. The Historic Sanborn Map for 1898 shows steam stills and a coal shed on the eastern half of OU3 and aied the northernmost end of OU1 (i.e., north of the existing 47th Avenue). The SOCONY had a tin can factory, a storage building and a boat slip on OU1. By 1915, the area formerly occupied by the Mastics Company Works had become vacant and the remaiccupied the eastern end of OU4, and a structure used for oil filling and packaging occupied the remainder of OU4. The 1915 Historic Sanborn Map indicates similar petroleum refining operations on the Site. By 1936, the SOCONY operations had ceasedtank storage, oil tank shed, coke shed, alcohol storage, and benzene and turpentine tanks. By 1947, PepsiCo occupied buildings in OU2 to the north of 47th Avenue. The remainder of OU2 was occupied by a manufacturer of machine products, Buchmann Spbox factory on the western half of OU3. By 1936, the SOCONY operations had ceased on OU3. SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildings on the Site.ning area of OU1 continued to be occupied by the same SOCONY operations. The 1936 the occupant of the buildings is unidentified. By 1947, PepsiCo occupied buildings in OU1 to the north of 47th Avenue. The remainder of OU1, located to the south ofon OU4, as evident by the disappearance of oil refinery systems (aboveground oil tanks, etc.). SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildings on the Site. Sanborn maps for subsequent years show no significant changearkwheel Corporation, and a

PEPSI COLA PLANT (Continued) **S102149658**

manufacturer of industrial sanitary and maintenance chemical products. Sanborn Maps for subsequent years show no significant change in the use of OU-2.in use. After the completion of the Remedial Investigation (RI), a Remedial Action Work Plan (RAWP) will be prepared and implemented for OU4. After remediation, OU4 will be developed for residential high-rise buildings which will not have basem47th Avenue, continued to be vacant at this time. Sanborn Maps for subsequent years show no significant change in usage of OU1.ent or subgrade levels.

Site Desc: The site is located in an urban area in Queens along the East River and bounded by OU3 to the north, 5th Street to the east, 47th Road to the south and OU1 to the west. OU2 (Site B) covers approximately 6 acres in Tax Blocks 20 and 21, separated byThe site is located in an urban area in Queens along the East River and bounded by 47th Road to the south, 5th Street to the east and Anabel Basin to the north. The entire property consists of contiguous parcels corresponding to Tax Blocks 20 and 2The entire Site consists of contiguous parcels corresponding to Tax Blocks 20 and 21 in Queens, New York. OU4 covers approximately 5 acres in Tax Blocks 21. OU4 is bordered by Anable Basin to the north, 5th Street to the east, OU3 to the south andThe entire property consists of contiguous parcels corresponding to Tax Blocks 20 and 21 in Queens, New York (the "Site"). OU3 covers approximately 5 acres in Tax Block 21. OU3 is bordered by OU4 to the north, 5th Street to the east, OUs 1 and 2 t47th Avenue. Originally, the entire Site was part of the Hunter family farm in the early 1800s. In the late 1880s, the N.Y. Mastics Company Works occupied the south end of OU2 (i.e., south of existing 47th Avenue); the Standard Oil Company of New1 in Queens, New York (the "Site"). OU1 (Site A)is located in Tax Block 20 and is bordered by OUs 2 and 3 to the north, OU2 to the east, 47th Road to the south and the East River to the west. Originally, the entire Site was part of the Hunter famithe East River to the west. Originally, the entire Site was part of the Hunter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 and OU-4 to process crude oil io the south and the East River to the west. Originally, the entire Site was part of the Hunter family farm in the early 1800s. The Devoe Manufacturing Company developed a petroleum processing facility in the 1860s, and utilized OU3 to process crudnto kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and continued similar operations until the early 1900s, when SOCONY modified its petroleum distilling operations to produce gasoline and other oil products.e oil into kerosene for lamps. In 1873, Standard Oil Company of New York (SOCONY) acquired Devoe and the property, and continued similar operations until the early 1900s when SOCONY modified its petroleum distilling operations to produce gasoline aYork (SOCONY) occupied the northernmost end of OU2. SOCONY had steam stills for petroleum refining and a container factory on OU2. By 1915, the National Varnish Company replaced the Mastics Company. The varnish company contained several buildingsly farm in the early 1800s. Former industrial uses of the site include a varnish factory, a paint factory on the southern part of the site and an oil terminal on the northern part of the site. In the late 1880s, the N.Y. Mastics Company Works (the Mastics Company) occupied the south end of OU1 (i.e., south of existing 47th Avenue); the Standard Oil Company of New York (SOCONY) occupied the northernmost end of OU1 (i.e., north of the existing 47th Avenue). The SOCONY had a tin can factory, alabeled gum storage, oil storage, oil tank storage, oil tank shed, coke shed, alcohol storage, and benzene and turpentine tanks. SOCONY operations included a gasholder, iron tank, condenser tanks and aboveground oil tanks. By 1947, PepsiCo occupiend other oil products. The Historic Sanborn Map for 1898 shows steam stills and a coal shed on the eastern half of OU3 and a box factory on the western half of OU3. By 1936, the SOCONY operations had ceased on OU3. SOCONY sold the Site to PepsiCoThe Historic Sanborn Map for 1898 shows that aboveground oil storage

PEPSI COLA PLANT (Continued) **S102149658**

tanks occupied the eastern end of OU4, and a structure used for oil filling and packaging occupied the remainder of OU4. The 1915 Historic Sanborn Map indicates similar petroleumd buildings in OU2 to the north of 47th Avenue. The remainder of OU2 was occupied by a manufacturer of machine products, Buchmann Sparkwheel Corporation, and a manufacturer of industrial sanitary and maintenance chemical products. Surrounding lastorage building and a boat slip on OU1. By 1947, PepsiCo occupied buildings in OU1 to the north of 47th Avenue. All former structures have been demolished except for the Pepsi Cola sign which is placed along the East River. Surrounding land usein 1936. By 1947, PepsiCo occupied buildings on the Site. Surrounding land use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildrefining operations on the Site. By 1936, the SOCONY operations had ceased on OU4, as evident by the disappearance of oil refinery systems (aboveground oil tanks, etc.). SOCONY sold the Site to PepsiCo in 1936. By 1947, PepsiCo occupied buildingsings south of the Site and various warehouses and private homes to the east and to the north. Several investigations have been done on the property since 1985, and additional investigation was done in 2004 to supplement previous investigations.nd use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildings south of the Site and various warehouses and private homes to the easconsists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are high-rise residential buildings south of the Site and various warehouses and private homes to the east and ton the Site. Sanborn maps for subsequent years show no significant change in use. Surrounding land use consists primarily of a mixture of light industrial warehouses, commercial buildings, parks, schools and residential properties. There are higThe Operable Units Three and Four Remedial Investigation Work Plan was approved by the Department on January 5, 2006. The RIWP for OUs 3 and 4 describes the remedial investigation activities to be conducted The remedy, conducted (January - Mao the north. OU1 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, courtyards, and parking. The buildings will not have basement or subgrade levels. Several it and to the north. Several investigations conducted on the property from 1985 through 2004. Remedial Investigation indicated OU-2-wide soil contamination caused by historic fill, petroleum related impacts from historic subterranean oil refineryh-rise residential buildings south of the Site and various warehouses and private homes to the east and to the north. Several investigations have been done on the property since 1985. The Operable Units Three and Four Remedial Investigation Workrch 2005) as part of the IRM, included Soil remediation along the OU3 waterfront area through the excavation and off-site disposal of soil hot spots, subsurface sumps and pits and grossly contaminated soil above and below the water table. About 3,1systems, underground tanks and localized areas of elevated metals and tetrachloroethylene in soil. The remedy, primarily completed (2006), included excavation and off-site disposal of contaminated soil, removal of tanksa and historic piping systePlan was approved by the Department on January 5, 2006. The RIWP for OUs 3 and 4 describes the remedial investigation activities to be conducted Based on these investigations, remediation (IRM) was performed (January through March , 2005). Sonvestigations have been done on the property since 1985, and additional investigation was done in 2004 to supplement previous investigations. The results of the July 2005 RI with respect to OU1 indicated the presence of OU1-wide soil contaminatioil remediation in the OU4 waterfront area consisted of removal and off-site disposal of about 5,200 tons of historic fill and soil from within the waterfront area in OU4. Pre-remediation supplemental

PEPSI COLA PLANT (Continued) **S102149658**

investigation of both OU3 and OU4 waterfront ar00 tons of historic fill and soil from within the waterfront area in OU3 were excavated and disposed offsite. In-situ soil sampling was conducted for the purpose of characterizing soil for on-site reuse or off-site disposal along the proposed watems and in-situ soil oxidation. Groundwater remediation included removal of floating, free phase petroleum products. Remediation of OU2 has resulted in the excavation and off-site disposal of over 55,000 tons of material, removal of residual producn caused by historic filling (SVOCs and metals), petroleum-related impacts caused by historic oil refinery systems, limited impacts (metals) by historic paint and varnish operations at the southeast end of OU1 and impacts from likely off-site sourceas consisted of a geophysical survey over the entire area and the installation of 19 test pits and 6 direct push borings. In-situ soil sampling was conducted for the purpose of characterizing soil for on-site reuse or off-site disposal along the pes of SVOCs and VOCs at the south end of OU1 (47th Road area). Interim Remedial Measures (IRMs) conducted on the southern part of the site, mostly consisted of hot spot removals of soils and groundwater remediation. A remedial action Report has beirfront structure excavation area in OU3. Based on the results of the in-situ disposal and reuse sampling, additional soil requiring remediation was identified. After the completion of the Remedial Investigation (RI), an Remedial Action Work Plant, decommissioning and removal of historic subterranean refinery systems, removal of underground storage tanks, and tetrachloroethylene-contaminated surface soil. Engineering and Institutional Controls involving deed restrictions are in place. Reroposed waterfront structure excavation area in OU4. Based on the results of the in-situ disposal and reuse sampling, additional soil requiring remediation was identified. After the completion of the Remedial Investigation (RI), a Remedial Actio(RAWP) has been prepared. The OU-3 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, the Pepsi sign, a possible school, courtyards and parking. Buildingsng prepared for the entire site. Remediation of OU1 has resulted in the excavation and off-site disposal of over 24,000 tons of material, installation of a subsurface barrier wall, removal of residual product, and decommissioning and removal of sudevelopment of OU-2 included new residential high rise buildings with commercial space on ground floor, roads, utilities, parks and landscaped areas. A vapor barriers and an active sub-slab depressurization system has been installed to minimize then Work Plan (RAWP) has been prepared for OU3. After remediation, OU4 will be developed for residential high-rise buildings which will include commercial establishments on the ground floors, parks and roads, courtyards and parking. The buildingswill be constructed with vapor barriers and an active sub-slab depressurization system to minimize the potential for soil vapor to enter the buildings. The buildings will not have basement or subgrade levels.bsurface structures of concern. Groundwater remediation consisted of source removal and enhanced biodegradation of dissolved phase contaminants. Development of OU-1 includes new buildings, roads, utilities, parks, landscaped areas, and new watepotential for soil vapor to enter the newly constructed buildings. Road and utility corridors have been backfilled with at least two feet of clean fill and/or paving. Parks and landscaped areas are constructed with an upper layer of at least two frfront bulkhead and platform structures. Buildings will be constructed with a vapor barrier and an active sub-slab depressurization systems to minimize the potential for soil vapor to enter the buildings.eet of clean fill.will not have basement or subgrade levels.

NY Spills:

Site ID:	353010
Facility Addr2:	Not reported

PEPSI COLA PLANT (Continued) **S102149658**

Facility ID:	0507541
Spill Number:	0507541
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	SMSANGES
Referred To:	Not reported
Spill Date:	09/23/05
Reported to Dept:	09/23/05
CID:	407
Spill Cause:	Unknown
Water Affected:	EAST RIVER
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/26/05
Remediation Phase:	0
Date Entered In Computer:	09/26/05
Spill Record Last Update:	09/26/05
Spiller Name:	Not reported
Spiller Company:	UNKNOWN.
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Spiller Phone:	Not reported
Contact Name:	MICHAEL BURKE
Contact Phone:	(201) 978-3347
DEC Region:	2
Program Number:	0507541
DER Facility ID:	243614
Site ID:	353010
Operable Unit ID:	1110480
Operable Unit:	01
Material ID:	2100510
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Start DECRemark - 0507541 Ongoing problem at Queens West site. END DECRemark - 0507541
Remarks:	Start CallerRemark - 0507541 Excavating and came across contamination, booms were out before excavation anticipating a release, pump truck en route. END CallerRemark - 0507541
Site ID:	342743
Facility Addr2:	Not reported

PEPSI COLA PLANT (Continued) **S102149658**

Facility ID:	0413598
Spill Number:	0413598
Facility Type:	ER
SWIS:	4101
Region of Spill:	2
Investigator:	SMMARTIN
Referred To:	Not reported
Spill Date:	03/30/05
Reported to Dept:	03/30/05
CID:	444
Spill Cause:	Other
Water Affected:	EAST RIVER
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
UST Trust:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/25/05
Remediation Phase:	0
Date Entered In Computer:	03/30/05
Spill Record Last Update:	07/25/05
Spiller Name:	STEVE MEERSMA
Spiller Company:	CONSTRUCTION SITE
Spiller Address:	46-00 5TH STREET
Spiller City,St,Zip:	LONG ISLAND, NY
Spiller Company:	001
Spiller Phone:	(212) 221-7822
Contact Name:	STEVE MEERSMA
Contact Phone:	(212) 221-7822
DEC Region:	2
Program Number:	0413598
DER Facility ID:	289078
Site ID:	342743
Operable Unit ID:	1101459
Operable Unit:	01
Material ID:	581626
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.00
Units:	Gallons
Recovered:	0.00
Resource Affected:	Surface Water
Oxygenate:	False
DEC Memo:	Start DECRemark - 0413598 Part of a long term problem with "Queens West" site ECOs ticketed contractor on March 31. END DECRemark - 0413598
Remarks:	Start CallerRemark - 0413598 WHILE DOING EXCAVATION FOUND CONTAMINATION: AND SINCE IT WAS CLOSE TO THE RIVER A BOAT WENT BY AND MADE A WASH AND SOME WENT BACK INTO IT: IT WAS ALREADY BOOMED AND HAS BEEN REMOVED: END CallerRemark - 0413598

PEPSI COLA PLANT (Continued) **S102149658**

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9415442
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/24/1995 18:00
Reported to Dept Date/Time:	02/24/95 21:00
SWIS:	63
Spiller Name:	PEPSI COLA
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	04/25/95
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/04/98
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	200
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False

PEPSI COLA PLANT (Continued) **S102149658**

Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: ANHYDROUS AMMONIA.
Remark: JAMMED VALVE ON A CONDENSOR - DID RELEASE AREA 200 LBS OF ANHYDROUS AMMONIA IN GAS FORM.

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249 ESE 1/2-1 0.858 mi. 4532 ft. | **MOBIL OIL BROOKLYN TERMINAL** | **DEL SHWS** | **S105972445**
300 NORTH HENRY STREET | **N/A**
BROOKLYN, NY

Relative: Equal

Actual: 12 ft.

DEL SHWS:
Year: Not reported
Site Code Id: 224013
Site Classification: D1
Region: 2
Epa Id Number: Not reported
Site Type - Dump: No
Site Type - Structure: No
Site Type - Lagoon: No
Site Type - Landfill: No
Site Type - Treat Pond: No
Site Size (Acres): 15 Acres
Site Size Comment: Not reported
Period Assoc/HW Start: Not reported
Period Assoc/HW End: Not reported
Lat/Long: 0 0' 0" / 0 0' 0"
Lat/Long Decimal: 0.00000 / 0.00000
Lat/Long (dms): 0 0 0 / 0 0 0
Hazardous Waste Code: Not reported
Hazard Waste Disposed: Not reported
Quantity: Not reported
Air Data Available: No
SW Std Contravention: No
GW Std Contravention: No
Soil Type: Not reported
Sediment Data Available: No
GW Std Contravention: No
DW Std Contravention: No
SW Std Contravention: No
Air Stand Contraventions: No
Legal Action Type: Not reported
State Legal Action: No
Federal Legal Action: No
Enforce Status Code: Not reported
Remedial Act Proposed: No
Rem Act Under Design: No
Rem Act In Progress: No
Rem Act Completed: No
Remedial Action Type: Complete
Soil Type: Not reported
Depth To Groundwater: Not reported
Owner Name: Not reported

MOBIL OIL BROOKLYN TERMINAL (Continued) **S105972445**

Owner Address:	300 North Henry Street
Owner City,St,Zip:	Brooklyn
Owner Phone:	Not reported
Owner Contact Name:	Not reported
Owner During Disposal:	Mobil Oil
Owner During Use:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City,St,Zip:	Not reported
Operator Phone:	Not reported
Operator Contact Name:	Not reported
Oper During Disposal:	Not reported
Site Type:	Dump
HW Disposal Period:	From: 1900 To: 1985
Analytical Data Available	Not reported
Applicable Std Exceeded	Not reported
Geotech Info:	Not reported
Depth To Groundwater:	Not reported
Status:	Not reported
Nature Of Action:	Not reported
Env Prob Assessment:	Not reported
Site Description:	Large storage area. Facility was built on an old refinery. Possiblity of groundwater contamination due to poor operation. Newton Creek is adjacent to the site.
Confirmed HW:	Gasoline, Kerosene, Fuel Oil, Others: unknown
Environment Assesment	Site has been remediated.
Health Assesment:	Not reported
Disposal Start Date:	Not reported
Disposal Term Date:	Not reported
Air Violation:	Not reported
Groundwater Violation:	Not reported
Drink Water Violation:	Not reported
Surface Water Violation:	Not reported
Legal New York State:	Not reported
Legal Federal:	Not reported
Legal State:	Not reported
Remedial Action Active:	Not reported
Remedial Action Done:	Not reported
NPL Status:	Not reported
Count Operator:	Not reported
Count Owner:	Not reported
NYTM X:	0
NYTM Y:	0
Co Name:	Not reported
Co Addr:	Not reported
Operator Addr:	Not reported
Operator Addr 2:	Not reported
Operator Addr 3:	Not reported
Operator Addr 4:	Not reported
HWDP From:	Not reported
From To:	Not reported
Assessment Of Health:	Not reported
Env Assessment:	Not reported
HW Disposed/Quantity:	Not reported
Description:	Not reported
Assess/Env Prog:	Not reported
Assess/Health Prob:	Not reported

MOBIL OIL BROOKLYN TERMINAL (Continued) **S105972445**

Site Description: Not reported

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250 ESE 1/2-1 0.868 mi. 4582 ft. | **FORMER MANHATTAN ADHESIVES PLANT 425-459 GREENPOINT AVENUE BROOKLYN, NY** | **DEL SHWS** | **S105972443 N/A**

Relative: Lower

Actual: 7 ft.

DEL SHWS:

Year:	Not reported
Site Code Id:	224009
Site Classification:	D1
Region:	2
Epa Id Number:	NYD980780811
Site Type - Dump:	No
Site Type - Structure:	No
Site Type - Lagoon:	No
Site Type - Landfill:	No
Site Type - Treat Pond:	No
Site Size (Acres):	Acres
Site Size Comment:	Not reported
Period Assoc/HW Start:	Not reported
Period Assoc/HW End:	Not reported
Lat/Long:	40 43' 56 / 73 56' 42
Lat/Long Decimal:	0.00000 / 0.00000
Lat/Long (dms):	0 0 0 / 0 0 0
Hazardous Waste Code:	Not reported
Hazard Waste Disposed:	Not reported
Quantity:	Not reported
Air Data Available:	No
SW Std Contravention:	No
GW Std Contravention:	No
Soil Type:	Not reported
Sediment Data Available	No
GW Std Contravention:	No
DW Std Contravention:	No
SW Std Contravention:	No
Air Stand Contraventions	No
Legal Action Type:	Not reported
State Legal Action:	No
Federal Legal Action:	No
Enforce Status Code:	Not reported
Remedial Act Proposed:	No
Rem Act Under Design:	No
Rem Act In Progress:	No
Rem Act Completed:	No
Remedial Action Type:	Not reported
Soil Type:	Not reported
Depth To Groundwater:	Not reported
Owner Name:	Frank Castiglione
Owner Address:	32-02 College Point Boulevard
Owner City,St,Zip:	Flushing, NY 11354
Owner Phone:	Not reported
Owner Contact Name:	Not reported
Owner During Disposal:	Not reported
Owner During Use:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported

FORMER MANHATTAN ADHESIVES PLANT (Continued) **S105972443**

Operator City,St,Zip:	Not reported
Operator Phone:	Not reported
Operator Contact Name:	Not reported
Oper During Disposal:	Not reported
Site Type:	Structure
HW Disposal Period:	From: To:
Analytical Data Available	Not reported
Applicable Std Exceeded	Not reported
Geotech Info:	Not reported
Depth To Groundwater:	Not reported
Status:	Not reported
Nature Of Action:	Not reported
Env Prob Assessment:	Not reported
Site Description:	Manhattan Adhesives is currently an empty factory building that is located at the foot of the Greenpoint Ave., Bridge in Brooklyn. Besides the Manhattan Adhesives factory, about 10 feet from the northeast wall is a manhole (not a sewer of drain) into which liquid waste was allegedly discharged. This waste came from a condemned oil storage site located at the intersection of Rt. 280, and the NJ Turnpike in NJ. The manhole is suspected of being the opening to an underground tank; however, the quantity of the waste allegedly dumped exceeds the capacity of most tanks. This information was obtained from the State Senate Committee on Crime and the Brooklyn District Attorney's office. Phase I State Superfund has been completed. A partial phase IIinvestigation was completed during 1985 and recommended no further action. The Responsible Party has agreed to undertake an investigation in 1986. An investigation has not found hazardous waste on-site.
Confirmed HW:	Waste oil alleged to contain PCB's: Over 400,000 gal.
Environment Assesment:	Not reported
Health Assesment:	Not reported
Disposal Start Date:	Not reported
Disposal Term Date:	Not reported
Air Violation:	Not reported
Groundwater Violation:	Not reported
Drink Water Violation:	Not reported
Surface Water Violation:	Not reported
Legal New York State:	Not reported
Legal Federal:	Not reported
Legal State:	Not reported
Remedial Action Active:	Not reported
Remedial Action Done:	Not reported
NPL Status:	Not reported
Count Operator:	Not reported
Count Owner:	Not reported
NYTM X:	0
NYTM Y:	0
Co Name:	Not reported
Co Addr:	Not reported
Operator Addr:	Not reported
Operator Addr 2:	Not reported
Operator Addr 3:	Not reported
Operator Addr 4:	Not reported
HWDP From:	Not reported
From To:	Not reported
Assessment Of Health:	Not reported
Env Assessment:	Not reported
HW Disposed/Quantity:	Not reported
Description:	Not reported

FORMER MANHATTAN ADHESIVES PLANT (Continued) **S105972443**

Assess/Env Prog: Not reported
Assess/Health Prob: Not reported
Site Description: Not reported

251
WSW
1/2-1
0.904 mi.
4772 ft.

CON EDISON - EAST 14TH ST. WORKS MGP
EAST 14TH - EAST 16TH STS.
NEW YORK, NY 10009

Manufactured Gas Plants

1008407984
N/A

Relative:
Lower

Actual:
9 ft.

252
South
1/2-1
0.924 mi.
4881 ft.

WYTHE AVE. (BERRY ST.) STATION
WYTHE AVE., BERRY ST., N 12TH AND 13TH ST
BROOKLYN, NY 11211

Manufactured Gas Plants

1008407903
N/A

Relative:
Higher

Actual:
17 ft.

253
WNW
1/2-1
0.943 mi.
4977 ft.

CON EDISON - EAST 32ND ST. STATION MGP
EAST 32ND - EAST 33RD STS.
NEW YORK, NY 10016

Manufactured Gas Plants

1008407988
N/A

Relative:
Lower

Actual:
10 ft.

254
West
1/2-1
0.974 mi.
5145 ft.

CON EDISON - EAST 21ST ST. WORKS MGP
EAST 20TH - EAST 22ND STS.
NEW YORK, NY 10009

Manufactured Gas Plants

1008407987
N/A

Relative:
Lower

Actual:
9 ft.

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	S102238653	ROYAL AUTO REPAIR	KINGS H-WAY / WEST 8TH ST		NY Spills, NY Hist Spills
BROOKLYN	S107407580	KINGS HIGHWAY MOBIL	KINGS HIGHWAY		NY Spills
BROOKLYN	S106737045	BETW/AVE X &	KINGS HIGHWAY AVE U		NY Spills
BROOKLYN	S108295422	ROADWAY	KINGS HIGHWAY / OCEAN AVE		NY Spills
BROOKLYN	S105057314	MANHOLE #1399	KINGS HWY @ E 19 TH ST		NY Spills, NY Hist Spills
BROOKLYN	S103938400	BOX 38486	KINGS HIGHWAY/ROCKAWAY PK		NY Spills, NY Hist Spills
BROOKLYN	S106720701	COMMERCIAL LOT	407 LEONARD STREET/BAYARD		NY Spills
BROOKLYN	S108076180	LOT 1,TAXBLOCK 2698	LEONARD STREET	11222	E DESIGNATION
BROOKLYN	S104192894	MANHOLE #62581	MERSEROLE AVE/FRANKLIN ST		NY Spills, NY Hist Spills
BROOKLYN	1009243079	CONSOLIDATED EDISON	MH64829-FRANKLIN ST / DUPONT		MANIFEST
BROOKLYN	1009241779	CONSOLIDATED EDISON	MH8303-NOBLE / WEST ST		MANIFEST
BROOKLYN	S104789996	MH 36395	NEPTUEN AVE/WEST 23RD ST		NY Spills, NY Hist Spills
BROOKLYN	1008195631	CON EDISON - MH 8303	NOBLE ST. AND WEST ST.	11222	MANIFEST, RCRA-NonGen
BROOKLYN	1010328051	24 OAK LLC	NOBLE & WEST ST JCT N	11222	RCRA-CESQG
BROOKLYN	S104787319	TM 1081	NOBLE ST /W OF WEST ST		NY Spills, NY Hist Spills
BROOKLYN	S106007830	MANHOLE #8303	SO OF NOBLE ST-WEST ST		NY Spills
BROOKLYN	S106004655	SIDE OF ROAD	OPP 44 EAGLE ST		NY Spills
BROOKLYN	S104651490	VS 5761	QUAY ST/ E OF WEST ST		NY Spills, NY Hist Spills
BROOKLYN	S108076612	LOT 425,TAXBLOCK 2472	65 REAR COMMERCIAL STREET	11222	E DESIGNATION
BROOKLYN	S104787891	MANHOLE #6016	WEST SIDE 4TH AVE/26TH ST		NY Spills, NY Hist Spills
BROOKLYN	S106013856	MANHOLE #2713	E SIDE OF WEST 16TH ST		NY Spills
BROOKLYN	S106698495	MANHOLE 65087	WEST ST / SOUTH OF AVE U		NY Spills
BROOKLYN	S106867238	VAULT #2155	WEST ST / NOBEL ST		NY Spills
BROOKLYN	S108637138	CUMBERLAND #70222	2018 STILL ROUTE AVE		NY Spills
BROOKLYN	S108469742	LOT 1,TAXBLOCK 2502	WEST STREET		E DESIGNATION
BROOKLYN	S108469859	LOT 6,TAXBLOCK 2494	WEST STREET	11222	E DESIGNATION
BROOKLYN	S107408712	IN DUMPSTER	171 WEST STREET/GREEN		NY Spills
BROOKLYN	S106867241	VAULT #2772	WEST STREET/NOBEL STREET		NY Spills
BROOKLYN	S106867243	VAULT # 2795	WEST STREET/NOBEL STREET		NY Spills
BROOKLYN	S108130411	NEW YORK AQUARIUM	SURF AVE AT WEST 8TH STREET		NY Spills
BROOKLYN	1009243482	CONSOLIDATED EDISON	V2155-WEST ST / NOBLE		MANIFEST
BROOKLYN	1009243894	CONSOLIDATED EDISON	V2772-NOBLE / WEST ST		MANIFEST
BROOKLYN	1009243484	CONSOLIDATED EDISON	V2772-WEST ST / NOBLE		MANIFEST
BROOKLYN	1009243483	CONSOLIDATED EDISON	V2795-WEST ST / NOBLE		MANIFEST
BROOKLYN	1009242974	CONSOLIDATED EDISON	V7059-INDIA ST / WEST ST		MANIFEST
BROOKLYN	1010325597	CON EDISON - VAULT 2155	E/S WEST STREET 125' S/O NOBEL	11222	RCRA-NonGen
BROOKLYN	1010325599	CON EDISON - VAULT 2795	E/S WEST ST. 125' S/O NOBEL ST	11222	RCRA-NonGen
BROOKLYN	1010325601	CON EDISON - VAULT 2772	E/S WEST ST. 125' S/O NOBEL ST	11222	RCRA-NonGen
LONG ISLAND CITY	S108413225	QUANTA RESOURCES	37-80 REVIEW AVENUE	11101	SHWS, MOSF
NEW YORK CITY	1007207179	MH64829	FRANKLIN STREET 60' N/O DUPONT	11222	MANIFEST, RCRA-NonGen

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/31/2008
Date Data Arrived at EDR: 02/08/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 38

Source: EPA
Telephone: N/A
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/31/2008
Date Data Arrived at EDR: 02/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 42

Source: EPA
Telephone: N/A
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/31/2008
Date Data Arrived at EDR: 02/08/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 38

Source: EPA
Telephone: N/A
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2008
Date Data Arrived at EDR: 02/05/2008
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 15

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/25/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007
Date Data Arrived at EDR: 12/06/2007
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 76

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/08/2008
Date Data Arrived at EDR: 03/07/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/26/2008
Date Data Arrived at EDR: 04/02/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/04/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/04/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 54

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/22/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 04/16/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 29

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/16/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 22

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/28/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 01/03/2008
Date Data Arrived at EDR: 01/17/2008
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/30/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/09/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 08/31/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 41

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/03/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/10/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/22/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/07/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/26/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/29/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 03/18/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 05/09/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/29/2008
Date Data Arrived at EDR: 01/31/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 05/01/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/08/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 28

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/03/2008
Date Data Arrived at EDR: 01/03/2008
Date Made Active in Reports: 02/05/2008
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Semi-Annually

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 01/03/2008
Date Data Arrived at EDR: 01/03/2008
Date Made Active in Reports: 02/05/2008
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Annually

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 12/06/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 02/29/2008
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 12/06/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 02/29/2008
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: No Update Planned

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/15/2008
Date Data Arrived at EDR: 02/28/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/28/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Annually

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Quarterly

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Semi-Annually

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004
Date Data Arrived at EDR: 06/15/2004
Date Made Active in Reports: 07/29/2004
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 05/21/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Semi-Annually

SPDES: State Pollutant Discharge Elimination System
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 02/05/2008
Date Made Active in Reports: 03/05/2008
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 05/05/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data
Point source emissions inventory data.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 09/05/2007
Date Made Active in Reports: 10/17/2007
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Annually

CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 12/06/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 03/05/2008
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 12/06/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 03/05/2008
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Quarterly

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 78

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 04/15/2008
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: No Update Planned

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 02/27/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 15

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 04/16/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/09/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/21/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/21/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/25/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 12/21/2007
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 34

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/21/2007
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 10/25/2007
Date Data Arrived at EDR: 01/08/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 37

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 10/25/2007
Date Data Arrived at EDR: 01/08/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 37

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/30/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 08/20/2007
Date Data Arrived at EDR: 10/10/2007
Date Made Active in Reports: 11/19/2007
Number of Days to Update: 40

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 05/05/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/30/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 08/20/2007
Date Data Arrived at EDR: 10/10/2007
Date Made Active in Reports: 11/19/2007
Number of Days to Update: 40

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 05/05/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 01/03/2008
Date Data Arrived at EDR: 01/11/2008
Date Made Active in Reports: 02/21/2008
Number of Days to Update: 41

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 01/03/2008
Date Data Arrived at EDR: 01/11/2008
Date Made Active in Reports: 02/21/2008
Number of Days to Update: 41

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Annually

Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 05/05/2005
Date Data Arrived at EDR: 05/31/2005
Date Made Active in Reports: 06/30/2005
Number of Days to Update: 30

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Varies

Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 05/05/2005
Date Data Arrived at EDR: 05/31/2005
Date Made Active in Reports: 06/30/2005
Number of Days to Update: 30

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 06/15/2007
Date Made Active in Reports: 08/20/2007
Number of Days to Update: 66

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/14/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007
Date Data Arrived at EDR: 12/04/2007
Date Made Active in Reports: 12/31/2007
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/03/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/10/2008
Number of Days to Update: 20

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/10/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 10/01/2007
Date Data Arrived at EDR: 11/09/2007
Date Made Active in Reports: 01/15/2008
Number of Days to Update: 67

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 05/12/2008
Next Scheduled EDR Contact: 08/11/2008
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 06/08/2007
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BLOCK 2494, LOT 1
14 DUPONT STREET
BROOKLYN, NY 11222

TARGET PROPERTY COORDINATES

Latitude (North):	40.73542 - 40˚ 44' 7.5''
Longitude (West):	73.95866 - 73˚ 57' 31.2''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	587930.6
UTM Y (Meters):	4509697.0
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

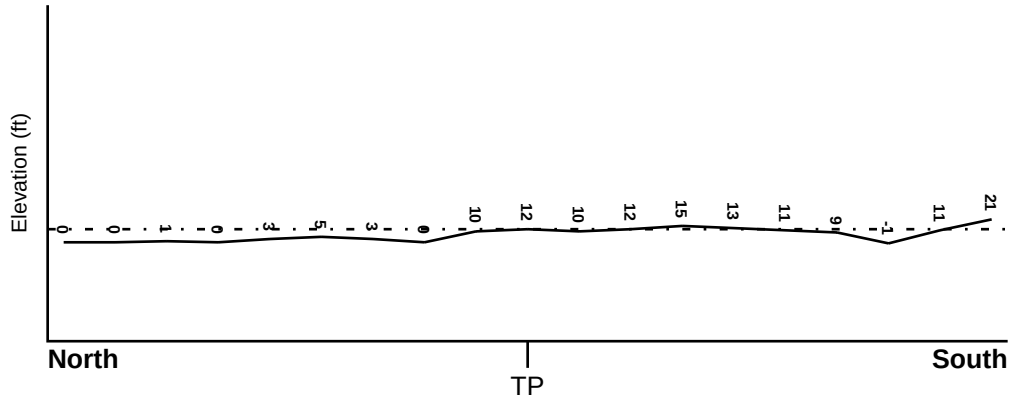
TOPOGRAPHIC INFORMATION

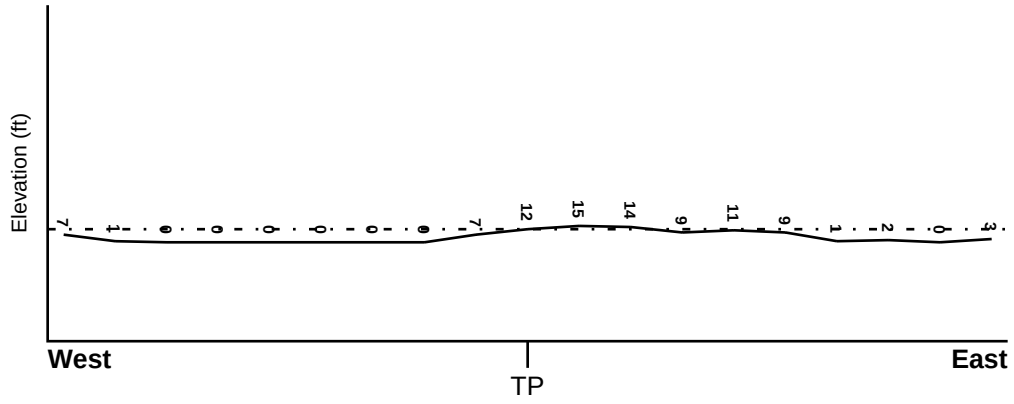
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 12 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
KINGS, NY	Not Available

Flood Plain Panel at Target Property:	3604970047B
Additional Panels in search area:	3604970040B 3604970039B 3604970048B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BROOKLYN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Ordovician
Series:	Middle Ordovician (Mohawkian)
Code:	O2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	0.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 2221604.2s

0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

N

SITE NAME: Block 2494, Lot 1 ADDRESS: 14 Dupont Street Brooklyn NY 11222 LAT/LONG: 40.7354 / 73.9587	CLIENT: TRC Environmental Consultants CONTACT: Angela P Hernandez INQUIRY #: 2221604.2s DATE: May 15, 2008 4:10 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

Zip	Num Sites	< 4 Pci/L	>= 4 Pci/L	>= 20 Pci/L	Avg > 4 Pci/L	Max Pci/L
11222	3	3 (100%)	0 (0%)	0 (0%)	0.80	1.2

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8056
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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CONSOLIDATED EDISON
MH64829-FRANKLIN ST / DUPONT
BROOKLYN, NY

Inquiry Number:
May 29, 2008

EDR Site Report™

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

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Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

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All available detailed information from databases where sites are identified.

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Name, source, update dates, contact phone number and description of each of the databases searched for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **CONSOLIDATED EDISON** MH64829-FRANKLIN ST / DUPONT BROOKLYN, NY EDR ID #1009243079
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	**YES - p4**
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

MULTIMEDIA

Facility is listed in a county/local unique database

DATABASE: State/County (LOCAL)

CONSOLIDATED EDISON
MH64829-FRANKLIN ST / DUPONT
BROOKLYN, NY
EDR ID #1009243079

NY MANIFEST:

Document ID:	NYE1585575
Manifest Status:	Not reported
Trans1 State ID:	96590JE
Trans2 State ID:	Not reported
Generator Ship Date:	08/26/2004
Trans1 Recv Date:	08/26/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/27/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004124145
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444
Waste Code:	D006 - CADMIUM 1.0 MG/L TCLP
Quantity:	00398
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	04
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP004124145
Facility Name:	CONSOLIDATED EDISON
Facility Address:	MH64829-FRANKLIN ST & DUPONT
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

WASTE MANAGEMENT

RCRA-TSDF: RCRA - Transporters, Storage and Disposal
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-LQG: RCRA - Large Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-SQG: RCRA - Small Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generator
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

RCRA-NonGen: RCRA - Non Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005 — Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Biennially — Date of Next Scheduled Update: 06/09/2008

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 — Date of Last EDR Contact: 03/03/2008
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 06/02/2008

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/26/2008 — Date of Last EDR Contact: 03/03/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/02/2008

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-566-0500
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007 — Date of Last EDR Contact: 05/09/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 08/04/2008

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008 — Date of Last EDR Contact: 03/31/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/30/2008

NY AST: Petroleum Bulk Storage
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 03/28/2008 — Date of Last EDR Contact: 04/23/2008
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 07/21/2008

NY UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/28/2008 — Date of Last EDR Contact: 04/23/2008
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 07/21/2008

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007
Database Release Frequency: Annually
Date of Last EDR Contact: 04/22/2008
Date of Next Scheduled Update: 07/21/2008

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2007
Database Release Frequency: Annually
Date of Last EDR Contact: 04/16/2008
Date of Next Scheduled Update: 07/14/2008

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/08/2008
Elapsed ASTM Days: 38
Date of Last EDR Contact: 04/28/2008

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/04/2008
Elapsed ASTM Days: 42
Date of Last EDR Contact: 04/28/2008

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/08/2008
Elapsed ASTM Days: 38
Date of Last EDR Contact: 04/28/2008

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-412-9810
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/08/2008
Date Made Active at EDR: 05/21/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 04/25/2008
Elapsed ASTM Days: 26
Date of Last EDR Contact: 04/25/2008

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-412-9810
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/20/2008
Date of Next Scheduled Update: 06/16/2008

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 05/19/2008

NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-402-9622
Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 02/05/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY SWF/LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/02/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/28/2008
Date of Next Scheduled Update: 07/28/2008

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006
Database Release Frequency: Annually
Date of Last EDR Contact: 02/29/2008
Date of Next Scheduled Update: 06/16/2008

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-4203
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006 — Date of Last EDR Contact: 04/14/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/14/2008

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002 — Date of Last EDR Contact: 04/28/2008
Database Release Frequency: N/A — Date of Next Scheduled Update: 07/14/2008

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/11/2008 — Date of Last EDR Contact: 03/17/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/16/2008

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-566-1667
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/11/2008 — Date of Last EDR Contact: 03/17/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/16/2008

FINDS: Facility Index System/Facility Registry System
Source: EPA
Telephone: Not reported
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/03/2008 — Date of Last EDR Contact: 03/31/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/30/2008

RMP: Risk Management Plans
Source: Environmental Protection Agency
Telephone: 202-564-8600
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 03/01/2008 — Date of Last EDR Contact: 05/19/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

STORMWATER: Storm Water General Permits
Source: Environmental Protection Agency
Telephone: 202-564-0746
A listing of all facilities with Storm Water General Permits.

Date of Government Version: 06/02/2005
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

US ENG CONTROLS: Engineering Controls Sites List
Source: Environmental Protection Agency
Telephone: 703-603-0695
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/04/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

US INST CONTROL: Sites with Institutional Controls
Source: Environmental Protection Agency
Telephone: 703-603-0695
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/04/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 1
Telephone: 617-918-1313
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 05/19/2008
Date of Next Scheduled Update: 08/18/2008

RADINFO: Radiation Information Database
Source: Environmental Protection Agency
Telephone: 202-343-9775
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/29/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/01/2008
Date of Next Scheduled Update: 07/28/2008

LUCIS: Land Use Control Information System
Source: Department of the Navy
Telephone: 843-820-7326
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Database Release Frequency: Varies
Date of Last EDR Contact: 03/10/2008
Date of Next Scheduled Update: 06/09/2008

CDL: Clandestine Drug Labs
Source: Drug Enforcement Administration
Telephone: 202-307-1000
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/28/2008
Date of Next Scheduled Update: 06/23/2008

NY HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-402-9564
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/27/2008
Date of Next Scheduled Update: 08/25/2008

NY DEL SHWS: Delisted Registry Sites
Source: Department of Environmental Conservation
Telephone: 518-402-9622
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 02/05/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY SWRCY: Registered Recycling Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8705
A listing of recycling facilities.

Date of Government Version: 05/02/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/28/2008
Date of Next Scheduled Update: 07/28/2008

NY SWTIRE: Registered Waste Tire Storage & Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8694
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Database Release Frequency: Annually
Date of Last EDR Contact: 05/16/2008
Date of Next Scheduled Update: 08/11/2008

NY LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/05/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY HIST LTANKS: Listing of Leaking Storage Tanks
Source: Department of Environmental Conservation
Telephone: 518-402-9549
A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/07/2005
Date of Next Scheduled Update: Not reported

NY CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/24/2005
Date of Next Scheduled Update: 01/23/2006

NY MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Database Release Frequency: Varies
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY HIST UST: Historical Petroleum Bulk Storage Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/2002
Database Release Frequency: Varies
Date of Last EDR Contact: 10/23/2006
Date of Next Scheduled Update: 01/22/2007

NY CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY HIST AST: Historical Petroleum Bulk Storage Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/23/2006
Date of Next Scheduled Update: 01/22/2007

NY MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY NY MANIFEST: Facility and Manifest Data
Source: Department of Environmental Conservation
Telephone: 518-402-8651
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/15/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 05/29/2008
Date of Next Scheduled Update: 08/25/2008

NY SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/05/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY HIST SPILLS: SPILLS Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/07/2005
Date of Next Scheduled Update: Not reported

NY ENG CONTROLS: Registry of Engineering Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 02/05/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY INST CONTROL: Registry of Institutional Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 02/05/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 02/05/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY DRYCLEANERS: Registered Drycleaners
Source: Department of Environmental Conservation
Telephone: 518-402-8403
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004
Database Release Frequency: Varies
Date of Last EDR Contact: 05/21/2004
Date of Next Scheduled Update: Not reported

NY BROWNFIELDS: Brownfields Site List
Source: Department of Environmental Conservation
Telephone: 518-402-9764
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 02/05/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY SPDES: State Pollutant Discharge Elimination System
Source: Department of Environmental Conservation
Telephone: 518-402-8233
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/06/2008
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/05/2008
Date of Next Scheduled Update: 08/04/2008

NY AIRS: Air Emissions Data
Source: Department of Environmental Conservation
Telephone: 518-402-8452
Point source emissions inventory data.

Date of Government Version: 12/31/2005
Database Release Frequency: Annually
Date of Last EDR Contact: 05/19/2008
Date of Next Scheduled Update: 08/18/2008

NY CBS: Chemical Bulk Storage Site Listing
Source: Department of Environmental Conservation
Telephone: 518-402-9549
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/28/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/23/2008
Date of Next Scheduled Update: 07/21/2008

NY RES DECL: Restrictive Declarations Listing
Source: NYC Department of City Planning
Telephone: 212-720-3401
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 04/15/2008
Date of Next Scheduled Update: 07/16/2007

NY MOSF: Major Oil Storage Facility Site Listing
Source: Department of Environmental Conservation
Telephone: 518-402-9549
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/28/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/23/2008
Date of Next Scheduled Update: 07/21/2008

NY E DESIGNATION: E DESIGNATION SITE LISTING
Source: New York City Department of City Planning
Telephone: 718-595-6658
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/26/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 04/16/2008
Date of Next Scheduled Update: 07/14/2008

NY DAY CARE: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Date of Government Version: 02/20/2008
Database Release Frequency: N/A
Date of Last EDR Contact: 12/19/2007
Date of Next Scheduled Update: Not reported

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/24/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

LOT 6,TAXBLOCK 2494
WEST STREET
BROOKLYN, NY 11222

Inquiry Number:
May 29, 2008

EDR Site Report™

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary . . . . . Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports . . . . . Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information. . . . . Page 7

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **LOT 6,TAXBLOCK 2494** WEST STREET BROOKLYN, NY 11222 EDR ID #S108469859
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	**YES - p4**
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

MULTIMEDIA

Facility is listed in a county/local unique database

DATABASE: State/County (LOCAL)

LOT 6,TAXBLOCK 2494
WEST STREET
BROOKLYN, NY 11222
EDR ID #S108469859

E DESIGNATION:

Tax Lot(s):	6
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	Not reported
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R8
Zone District 2:	Not reported
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	U9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	DEPT OF ENVIRONMENTAL
Lot Area:	000011700
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0090.00
Lot Depth:	0130.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000000000
Total Assessed Value:	00000000000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	06.02
Borough Code:	3
Borough Tax Block And Lot:	3024940006

Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	Not reported
Y Coordinate:	Not reported
Zoning Map:	Not reported
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	6
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	Not reported
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R8
Zone District 2:	Not reported
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R8
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	U9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	DEPT OF ENVIRONMENTAL
Lot Area:	000011700
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0090.00
Lot Depth:	0130.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000000000
Total Assessed Value:	00000000000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	06.02

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Borough Code:	3
Borough Tax Block And Lot:	3024940006
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	Not reported
Y Coordinate:	Not reported
Zoning Map:	Not reported
Sanborn Map:	304 038
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

WASTE MANAGEMENT

RCRA-TSDF: RCRA - Transporters, Storage and Disposal
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-LQG: RCRA - Large Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-SQG: RCRA - Small Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generator
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

RCRA-NonGen: RCRA - Non Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005 | Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Biennially | Date of Next Scheduled Update: 06/09/2008

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 | Date of Last EDR Contact: 03/03/2008
Database Release Frequency: No Update Planned | Date of Next Scheduled Update: 06/02/2008

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/26/2008 | Date of Last EDR Contact: 03/03/2008
Database Release Frequency: Quarterly | Date of Next Scheduled Update: 06/02/2008

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-566-0500
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007 | Date of Last EDR Contact: 05/09/2008
Database Release Frequency: Annually | Date of Next Scheduled Update: 08/04/2008

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008 | Date of Last EDR Contact: 03/31/2008
Database Release Frequency: Quarterly | Date of Next Scheduled Update: 06/30/2008

NY AST: Petroleum Bulk Storage
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 03/28/2008 | Date of Last EDR Contact: 04/23/2008
Database Release Frequency: No Update Planned | Date of Next Scheduled Update: 07/21/2008

NY UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/28/2008 | Date of Last EDR Contact: 04/23/2008
Database Release Frequency: No Update Planned | Date of Next Scheduled Update: 07/21/2008

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007
Database Release Frequency: Annually
Date of Last EDR Contact: 04/22/2008
Date of Next Scheduled Update: 07/21/2008

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2007
Database Release Frequency: Annually
Date of Last EDR Contact: 04/16/2008
Date of Next Scheduled Update: 07/14/2008

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/08/2008
Elapsed ASTM Days: 38
Date of Last EDR Contact: 04/28/2008

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/04/2008
Elapsed ASTM Days: 42
Date of Last EDR Contact: 04/28/2008

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/08/2008
Elapsed ASTM Days: 38
Date of Last EDR Contact: 04/28/2008

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-412-9810
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/08/2008
Date Made Active at EDR: 05/21/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 04/25/2008
Elapsed ASTM Days: 26
Date of Last EDR Contact: 04/25/2008

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-412-9810
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/20/2008
Date of Next Scheduled Update: 06/16/2008

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 05/19/2008

NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-402-9622
Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 02/05/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY SWF/LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/02/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/28/2008
Date of Next Scheduled Update: 07/28/2008

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006
Database Release Frequency: Annually
Date of Last EDR Contact: 02/29/2008
Date of Next Scheduled Update: 06/16/2008

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-4203
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006 — Date of Last EDR Contact: 04/14/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/14/2008

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002 — Date of Last EDR Contact: 04/28/2008
Database Release Frequency: N/A — Date of Next Scheduled Update: 07/14/2008

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/11/2008 — Date of Last EDR Contact: 03/17/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/16/2008

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-566-1667
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/11/2008 — Date of Last EDR Contact: 03/17/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/16/2008

FINDS: Facility Index System/Facility Registry System
Source: EPA
Telephone: Not reported
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/03/2008 — Date of Last EDR Contact: 03/31/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/30/2008

RMP: Risk Management Plans
Source: Environmental Protection Agency
Telephone: 202-564-8600
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 03/01/2008 — Date of Last EDR Contact: 05/19/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

STORMWATER: Storm Water General Permits
Source: Environmental Protection Agency
Telephone: 202-564-0746
A listing of all facilities with Storm Water General Permits.

Date of Government Version: 06/02/2005
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

US ENG CONTROLS: Engineering Controls Sites List
Source: Environmental Protection Agency
Telephone: 703-603-0695
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/04/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

US INST CONTROL: Sites with Institutional Controls
Source: Environmental Protection Agency
Telephone: 703-603-0695
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/04/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 1
Telephone: 617-918-1313
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 05/19/2008
Date of Next Scheduled Update: 08/18/2008

RADINFO: Radiation Information Database
Source: Environmental Protection Agency
Telephone: 202-343-9775
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/29/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/01/2008
Date of Next Scheduled Update: 07/28/2008

LUCIS: Land Use Control Information System
Source: Department of the Navy
Telephone: 843-820-7326
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Database Release Frequency: Varies
Date of Last EDR Contact: 03/10/2008
Date of Next Scheduled Update: 06/09/2008

CDL: Clandestine Drug Labs
Source: Drug Enforcement Administration
Telephone: 202-307-1000
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/28/2008
Date of Next Scheduled Update: 06/23/2008

NY HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-402-9564
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003 — Date of Last EDR Contact: 05/27/2008
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 08/25/2008

NY DEL SHWS: Delisted Registry Sites
Source: Department of Environmental Conservation
Telephone: 518-402-9622
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 02/05/2008 — Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 06/09/2008

NY SWRCY: Registered Recycling Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8705
A listing of recycling facilities.

Date of Government Version: 05/02/2008 — Date of Last EDR Contact: 04/28/2008
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 07/28/2008

NY SWTIRE: Registered Waste Tire Storage & Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8694
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006 — Date of Last EDR Contact: 05/16/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 08/11/2008

NY LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/05/2008 — Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 06/09/2008

NY HIST LTANKS: Listing of Leaking Storage Tanks
Source: Department of Environmental Conservation
Telephone: 518-402-9549
A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002 — Date of Last EDR Contact: 07/07/2005
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: Not reported

NY CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/24/2005
Date of Next Scheduled Update: 01/23/2006

NY MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Database Release Frequency: Varies
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY HIST UST: Historical Petroleum Bulk Storage Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/2002
Database Release Frequency: Varies
Date of Last EDR Contact: 10/23/2006
Date of Next Scheduled Update: 01/22/2007

NY CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY HIST AST: Historical Petroleum Bulk Storage Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/23/2006
Date of Next Scheduled Update: 01/22/2007

NY MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY NY MANIFEST: Facility and Manifest Data
Source: Department of Environmental Conservation
Telephone: 518-402-8651
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/15/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 05/29/2008
Date of Next Scheduled Update: 08/25/2008

NY SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/05/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY HIST SPILLS: SPILLS Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/07/2005
Date of Next Scheduled Update: Not reported

NY ENG CONTROLS: Registry of Engineering Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 02/05/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY INST CONTROL: Registry of Institutional Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 02/05/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 02/05/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY DRYCLEANERS: Registered Drycleaners
Source: Department of Environmental Conservation
Telephone: 518-402-8403
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004
Database Release Frequency: Varies
Date of Last EDR Contact: 05/21/2004
Date of Next Scheduled Update: Not reported

NY BROWNFIELDS: Brownfields Site List
Source: Department of Environmental Conservation
Telephone: 518-402-9764
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 02/05/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY SPDES: State Pollutant Discharge Elimination System
Source: Department of Environmental Conservation
Telephone: 518-402-8233
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/06/2008
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/05/2008
Date of Next Scheduled Update: 08/04/2008

NY AIRS: Air Emissions Data
Source: Department of Environmental Conservation
Telephone: 518-402-8452
Point source emissions inventory data.

Date of Government Version: 12/31/2005
Database Release Frequency: Annually
Date of Last EDR Contact: 05/19/2008
Date of Next Scheduled Update: 08/18/2008

NY CBS: Chemical Bulk Storage Site Listing
Source: Department of Environmental Conservation
Telephone: 518-402-9549
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/28/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/23/2008
Date of Next Scheduled Update: 07/21/2008

NY RES DECL: Restrictive Declarations Listing
Source: NYC Department of City Planning
Telephone: 212-720-3401
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 04/15/2008
Date of Next Scheduled Update: 07/16/2007

NY MOSF: Major Oil Storage Facility Site Listing
Source: Department of Environmental Conservation
Telephone: 518-402-9549
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/28/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/23/2008
Date of Next Scheduled Update: 07/21/2008

NY E DESIGNATION: E DESIGNATION SITE LISTING
Source: New York City Department of City Planning
Telephone: 718-595-6658
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/26/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 04/16/2008
Date of Next Scheduled Update: 07/14/2008

NY DAY CARE: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Date of Government Version: 02/20/2008
Database Release Frequency: N/A
Date of Last EDR Contact: 12/19/2007
Date of Next Scheduled Update: Not reported

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/24/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

CONSOLIDATED EDISON
MH64829-FRANKLIN / DUPONT ST
BROOKLYN, NY 11201

Inquiry Number:
May 29, 2008

EDR Site Report™

EDR® Environmental Data Resources Inc

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary . . . . . Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports . . . . . Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information. . . . . Page 7

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **CONSOLIDATED EDISON** MH64829-FRANKLIN / DUPONT ST BROOKLYN, NY 11201 EDR ID #1007207179 EPA #NYP004039392
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	**YES - p4**
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	**YES - p5**
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	2

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

CONSOLIDATED EDISON
MH64829-FRANKLIN / DUPONT ST
BROOKLYN, NY 11201
EDR ID #1007207179

RCRA-NonGen:

Date form received by agency:	01/02/2001
Facility name:	MH64829
Facility address:	FRANKLIN STREET 60‘ N/O DUPONT NEW YORK CITY, NY 11222
EPA ID:	NYP004039392
Mailing address:	CONSOLIDATED EDISON INC. 4 IRVING PLACE -- ROOM 300 NEW YORK, NY 10003
Contact:	ANTHONY - DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC. NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste
Handler accessibilty indicator:	Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	Unknown
Transporter of hazardous waste:	Unknown
Treater, storer or disposer of HW:	No
Underground injection activity:	Unknown
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	Unknown
Used oil processor:	Unknown
User oil refiner:	Unknown
Used oil fuel marketer to burner:	Unknown
Used oil Specification marketer:	Unknown
Used oil transfer facility:	Unknown
Used oil transporter:	Unknown
Off-site waste receiver:	Commercial status unknown

Historical Generators:

Date form received by agency:	01/01/2001
Facility name:	MH64829
Classification:	Large Quantity Generator
Violation Status:	No violations found

MULTIMEDIA

Facility is listed in a county/local unique database

DATABASE: State/County (LOCAL)

CONSOLIDATED EDISON
MH64829-FRANKLIN / DUPONT ST
BROOKLYN, NY 11201
EDR ID #1007207179

NY MANIFEST:

Document ID:	MAK2603270
Manifest Status:	Not reported
Trans1 State ID:	NJD986607380
Trans2 State ID:	NJD986607380
Generator Ship Date:	06/28/1999
Trans1 Recv Date:	06/28/1999
Trans2 Recv Date:	07/06/1999
TSD Site Recv Date:	07/13/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004039392
Trans1 EPA ID:	MAD053452637
Trans2 EPA ID:	Not reported
TSDF ID:	MA13585
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00045
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP004039392
Facility Name:	CONSOLIDATED EDISON
Facility Address:	MH64829-FRANKLIN & DUPONT ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NYE0242651
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	06/28/1999
Trans1 Recv Date:	06/28/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/29/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004039392
Trans1 EPA ID:	NYD980593636
Trans2 EPA ID:	Not reported
TSDF ID:	SM1708
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	12791
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001

Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99
Manifest Tracking Num:	Not reported
Import Ind:	Not reported
Export Ind:	Not reported
Discr Quantity Ind:	Not reported
Discr Type Ind:	Not reported
Discr Residue Ind:	Not reported
Discr Partial Reject Ind:	Not reported
Discr Full Reject Ind:	Not reported
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	Not reported
EPA ID:	NYP004039392
Facility Name:	CONSOLIDATED EDISON
Facility Address:	MH64829-FRANKLIN & DUPONT ST
Facility City:	BROOKLYN
Facility Address 2:	Not reported
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

WASTE MANAGEMENT

RCRA-TSDF: RCRA - Transporters, Storage and Disposal
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-LQG: RCRA - Large Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-SQG: RCRA - Small Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generator
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

RCRA-NonGen: RCRA - Non Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005 | Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Biennially | Date of Next Scheduled Update: 06/09/2008

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 | Date of Last EDR Contact: 03/03/2008
Database Release Frequency: No Update Planned | Date of Next Scheduled Update: 06/02/2008

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/26/2008 | Date of Last EDR Contact: 03/03/2008
Database Release Frequency: Quarterly | Date of Next Scheduled Update: 06/02/2008

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-566-0500
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007 | Date of Last EDR Contact: 05/09/2008
Database Release Frequency: Annually | Date of Next Scheduled Update: 08/04/2008

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008 | Date of Last EDR Contact: 03/31/2008
Database Release Frequency: Quarterly | Date of Next Scheduled Update: 06/30/2008

NY AST: Petroleum Bulk Storage
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 03/28/2008 | Date of Last EDR Contact: 04/23/2008
Database Release Frequency: No Update Planned | Date of Next Scheduled Update: 07/21/2008

NY UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/28/2008 | Date of Last EDR Contact: 04/23/2008
Database Release Frequency: No Update Planned | Date of Next Scheduled Update: 07/21/2008

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007
Database Release Frequency: Annually
Date of Last EDR Contact: 04/22/2008
Date of Next Scheduled Update: 07/21/2008

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2007
Database Release Frequency: Annually
Date of Last EDR Contact: 04/16/2008
Date of Next Scheduled Update: 07/14/2008

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/08/2008
Elapsed ASTM Days: 38
Date of Last EDR Contact: 04/28/2008

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/04/2008
Elapsed ASTM Days: 42
Date of Last EDR Contact: 04/28/2008

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/08/2008
Elapsed ASTM Days: 38
Date of Last EDR Contact: 04/28/2008

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-412-9810
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/08/2008
Date Made Active at EDR: 05/21/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 04/25/2008
Elapsed ASTM Days: 26
Date of Last EDR Contact: 04/25/2008

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-412-9810
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/20/2008
Date of Next Scheduled Update: 06/16/2008

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 05/19/2008

NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-402-9622
Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 02/05/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY SWF/LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/02/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/28/2008
Date of Next Scheduled Update: 07/28/2008

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006
Database Release Frequency: Annually
Date of Last EDR Contact: 02/29/2008
Date of Next Scheduled Update: 06/16/2008

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-4203
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006 — Date of Last EDR Contact: 04/14/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/14/2008

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002 — Date of Last EDR Contact: 04/28/2008
Database Release Frequency: N/A — Date of Next Scheduled Update: 07/14/2008

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/11/2008 — Date of Last EDR Contact: 03/17/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/16/2008

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-566-1667
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/11/2008 — Date of Last EDR Contact: 03/17/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/16/2008

FINDS: Facility Index System/Facility Registry System
Source: EPA
Telephone: Not reported
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/03/2008 — Date of Last EDR Contact: 03/31/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/30/2008

RMP: Risk Management Plans
Source: Environmental Protection Agency
Telephone: 202-564-8600
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 03/01/2008 — Date of Last EDR Contact: 05/19/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

STORMWATER: Storm Water General Permits
Source: Environmental Protection Agency
Telephone: 202-564-0746
A listing of all facilities with Storm Water General Permits.

Date of Government Version: 06/02/2005
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

US ENG CONTROLS: Engineering Controls Sites List
Source: Environmental Protection Agency
Telephone: 703-603-0695
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/04/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

US INST CONTROL: Sites with Institutional Controls
Source: Environmental Protection Agency
Telephone: 703-603-0695
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/04/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 1
Telephone: 617-918-1313
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 05/19/2008
Date of Next Scheduled Update: 08/18/2008

RADINFO: Radiation Information Database
Source: Environmental Protection Agency
Telephone: 202-343-9775
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/29/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/01/2008
Date of Next Scheduled Update: 07/28/2008

LUCIS: Land Use Control Information System
Source: Department of the Navy
Telephone: 843-820-7326
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Database Release Frequency: Varies
Date of Last EDR Contact: 03/10/2008
Date of Next Scheduled Update: 06/09/2008

CDL: Clandestine Drug Labs
Source: Drug Enforcement Administration
Telephone: 202-307-1000
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/28/2008
Date of Next Scheduled Update: 06/23/2008

NY HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-402-9564
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003 — Date of Last EDR Contact: 05/27/2008
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 08/25/2008

NY DEL SHWS: Delisted Registry Sites
Source: Department of Environmental Conservation
Telephone: 518-402-9622
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 02/05/2008 — Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 06/09/2008

NY SWRCY: Registered Recycling Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8705
A listing of recycling facilities.

Date of Government Version: 05/02/2008 — Date of Last EDR Contact: 04/28/2008
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 07/28/2008

NY SWTIRE: Registered Waste Tire Storage & Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8694
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006 — Date of Last EDR Contact: 05/16/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 08/11/2008

NY LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/05/2008 — Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 06/09/2008

NY HIST LTANKS: Listing of Leaking Storage Tanks
Source: Department of Environmental Conservation
Telephone: 518-402-9549
A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002 — Date of Last EDR Contact: 07/07/2005
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: Not reported

NY CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/24/2005
Date of Next Scheduled Update: 01/23/2006

NY MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Database Release Frequency: Varies
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY HIST UST: Historical Petroleum Bulk Storage Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/2002
Database Release Frequency: Varies
Date of Last EDR Contact: 10/23/2006
Date of Next Scheduled Update: 01/22/2007

NY CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY HIST AST: Historical Petroleum Bulk Storage Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/23/2006
Date of Next Scheduled Update: 01/22/2007

NY MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY NY MANIFEST: Facility and Manifest Data
Source: Department of Environmental Conservation
Telephone: 518-402-8651
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/15/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 05/29/2008
Date of Next Scheduled Update: 08/25/2008

NY SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/05/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY HIST SPILLS: SPILLS Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/07/2005
Date of Next Scheduled Update: Not reported

NY ENG CONTROLS: Registry of Engineering Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 02/05/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY INST CONTROL: Registry of Institutional Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 02/05/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 02/05/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY DRYCLEANERS: Registered Drycleaners
Source: Department of Environmental Conservation
Telephone: 518-402-8403
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004
Database Release Frequency: Varies
Date of Last EDR Contact: 05/21/2004
Date of Next Scheduled Update: Not reported

NY BROWNFIELDS: Brownfields Site List
Source: Department of Environmental Conservation
Telephone: 518-402-9764
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 02/05/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY SPDES: State Pollutant Discharge Elimination System
Source: Department of Environmental Conservation
Telephone: 518-402-8233
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/06/2008
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/05/2008
Date of Next Scheduled Update: 08/04/2008

NY AIRS: Air Emissions Data
Source: Department of Environmental Conservation
Telephone: 518-402-8452
Point source emissions inventory data.

Date of Government Version: 12/31/2005
Database Release Frequency: Annually
Date of Last EDR Contact: 05/19/2008
Date of Next Scheduled Update: 08/18/2008

NY CBS: Chemical Bulk Storage Site Listing
Source: Department of Environmental Conservation
Telephone: 518-402-9549
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/28/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/23/2008
Date of Next Scheduled Update: 07/21/2008

NY RES DECL: Restrictive Declarations Listing
Source: NYC Department of City Planning
Telephone: 212-720-3401
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 04/15/2008
Date of Next Scheduled Update: 07/16/2007

NY MOSF: Major Oil Storage Facility Site Listing
Source: Department of Environmental Conservation
Telephone: 518-402-9549
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/28/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/23/2008
Date of Next Scheduled Update: 07/21/2008

NY E DESIGNATION: E DESIGNATION SITE LISTING
Source: New York City Department of City Planning
Telephone: 718-595-6658
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/26/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 04/16/2008
Date of Next Scheduled Update: 07/14/2008

NY DAY CARE: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Date of Government Version: 02/20/2008
Database Release Frequency: N/A
Date of Last EDR Contact: 12/19/2007
Date of Next Scheduled Update: Not reported

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/24/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

LOT 425,TAXBLOCK 2472
65 REAR COMMERCIAL STREET
BROOKLYN, NY 11222

Inquiry Number:
June 2, 2008

EDR Site Report™

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary . . . . . Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports . . . . . Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information. . . . . Page 7

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **LOT 425,TAXBLOCK 2472** 65 REAR COMMERCIAL STREET BROOKLYN, NY 11222 EDR ID #S108076612
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	**YES - p4**
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

MULTIMEDIA

Facility is listed in a county/local unique database

DATABASE: State/County (LOCAL)

LOT 425,TAXBLOCK 2472
65 REAR COMMERCIAL STREET
BROOKLYN, NY 11222
EDR ID #S108076612

E DESIGNATION:

Tax Lot(s):	425
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Underground Gasoline Storage Tanks* Testing Protocol
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1000
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R6
Zone District 2:	Not reported
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R6
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	T9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	NEW YORK CITY TRANSIT
Lot Area:	000133575
Total Building Floor Area:	00000013500
Commercial Floor Area:	00000013500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000013500
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00003
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0260.00
Lot Depth:	0467.50
Building Frontage:	0075.00
Building Depth:	0180.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000783000
Total Assessed Value:	00001048500
Land Exempt Value:	00000783000
Total Exempt Value:	00001048500
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.10
Maximum Allowable Far:	02.43
Borough Code:	3
Borough Tax Block And Lot:	3024720425

Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0995950
Y Coordinate:	0208024
Zoning Map:	12C
Sanborn Map:	304 009
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	425
E-No:	E-138
Effective Date:	5/11/2005
Satisfaction Date:	Not reported
Ceqr Number:	04DCP003K
Ulurp Number:	050110 ZRK, 050111 ZMK, 050415 MMK, 040416 MMK, 040417 MMK, 040418 MMK, 050110 (A) ZRK, 050111 (A) ZMK
Zoning Map No:	12c, 12d, 13a, 13b
Description:	Window Wall Attenuation & Alternate Ventilation
Description 2:	Not reported
Borough Code:	BK
Community District:	301
Census Tract:	577
Census Block:	1000
School District:	14
City Council District:	33
Fire Company:	L106
Health Area:	30
Police Precinct:	094
Zone District 1:	R6
Zone District 2:	Not reported
Commercial Overlay1:	C2-4
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C2-4/R6
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	T9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	C
Owner Name:	NEW YORK CITY TRANSIT
Lot Area:	000133575
Total Building Floor Area:	00000013500
Commercial Floor Area:	00000013500
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000013500
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00003
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0260.00
Lot Depth:	0467.50
Building Frontage:	0075.00
Building Depth:	0180.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000783000
Total Assessed Value:	00001048500
Land Exempt Value:	00000783000
Total Exempt Value:	00001048500
Year Built:	1931
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.10
Maximum Allowable Far:	02.43

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Borough Code:	3
Borough Tax Block And Lot:	3024720425
Condominium Number:	00000
Census Tract 2:	0577
X Coordinate:	0995950
Y Coordinate:	0208024
Zoning Map:	12C
Sanborn Map:	304 009
Tax Map:	30901
E Designation No:	E-138
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

WASTE MANAGEMENT

RCRA-TSDF: RCRA - Transporters, Storage and Disposal
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-LQG: RCRA - Large Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-SQG: RCRA - Small Quantity Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 08/18/2008

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generator
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

RCRA-NonGen: RCRA - Non Generators
Source: Environmental Protection Agency
Telephone: 703-308-0035
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2008 — Date of Last EDR Contact: 05/21/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005 — Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Biennially — Date of Next Scheduled Update: 06/09/2008

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 — Date of Last EDR Contact: 03/03/2008
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 06/02/2008

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/26/2008 — Date of Last EDR Contact: 06/02/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 09/01/2008

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-566-0500
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007 — Date of Last EDR Contact: 05/30/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 08/04/2008

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008 — Date of Last EDR Contact: 03/31/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/30/2008

NY AST: Petroleum Bulk Storage
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 03/28/2008 — Date of Last EDR Contact: 04/23/2008
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 07/21/2008

NY UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/28/2008 — Date of Last EDR Contact: 04/23/2008
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 07/21/2008

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007
Database Release Frequency: Annually
Date of Last EDR Contact: 04/22/2008
Date of Next Scheduled Update: 07/21/2008

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2007
Database Release Frequency: Annually
Date of Last EDR Contact: 04/16/2008
Date of Next Scheduled Update: 07/14/2008

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/08/2008
Elapsed ASTM Days: 38
Date of Last EDR Contact: 04/28/2008

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/04/2008
Elapsed ASTM Days: 42
Date of Last EDR Contact: 04/28/2008

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/31/2008
Date Made Active at EDR: 03/17/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/08/2008
Elapsed ASTM Days: 38
Date of Last EDR Contact: 04/28/2008

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-412-9810
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/08/2008
Date Made Active at EDR: 05/21/2008
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 04/25/2008
Elapsed ASTM Days: 26
Date of Last EDR Contact: 04/25/2008

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-412-9810
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/20/2008
Date of Next Scheduled Update: 06/16/2008

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 05/19/2008

NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-402-9622
Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 02/05/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY SWF/LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/02/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/28/2008
Date of Next Scheduled Update: 07/28/2008

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006
Database Release Frequency: Annually
Date of Last EDR Contact: 02/29/2008
Date of Next Scheduled Update: 06/16/2008

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-4203
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006 — Date of Last EDR Contact: 04/14/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 07/14/2008

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002 — Date of Last EDR Contact: 04/28/2008
Database Release Frequency: N/A — Date of Next Scheduled Update: 07/14/2008

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/11/2008 — Date of Last EDR Contact: 03/17/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/16/2008

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-566-1667
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/11/2008 — Date of Last EDR Contact: 03/17/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/16/2008

FINDS: Facility Index System/Facility Registry System
Source: EPA
Telephone: Not reported
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/03/2008 — Date of Last EDR Contact: 03/31/2008
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 06/30/2008

RMP: Risk Management Plans
Source: Environmental Protection Agency
Telephone: 202-564-8600
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 03/01/2008 — Date of Last EDR Contact: 05/19/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 08/18/2008

STORMWATER: Storm Water General Permits
Source: Environmental Protection Agency
Telephone: 202-564-0746
A listing of all facilities with Storm Water General Permits.

Date of Government Version: 06/02/2005
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

US ENG CONTROLS: Engineering Controls Sites List
Source: Environmental Protection Agency
Telephone: 703-603-0695
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/04/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

US INST CONTROL: Sites with Institutional Controls
Source: Environmental Protection Agency
Telephone: 703-603-0695
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/04/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 1
Telephone: 617-918-1313
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 05/19/2008
Date of Next Scheduled Update: 08/18/2008

RADINFO: Radiation Information Database
Source: Environmental Protection Agency
Telephone: 202-343-9775
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/29/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 05/01/2008
Date of Next Scheduled Update: 07/28/2008

LUCIS: Land Use Control Information System
Source: Department of the Navy
Telephone: 843-820-7326
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Database Release Frequency: Varies
Date of Last EDR Contact: 03/10/2008
Date of Next Scheduled Update: 06/09/2008

CDL: Clandestine Drug Labs
Source: Drug Enforcement Administration
Telephone: 202-307-1000
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/28/2008
Date of Next Scheduled Update: 06/23/2008

NY HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-402-9564
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003 — Date of Last EDR Contact: 05/27/2008
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 08/25/2008

NY DEL SHWS: Delisted Registry Sites
Source: Department of Environmental Conservation
Telephone: 518-402-9622
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 02/05/2008 — Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 06/09/2008

NY SWRCY: Registered Recycling Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8705
A listing of recycling facilities.

Date of Government Version: 05/02/2008 — Date of Last EDR Contact: 04/28/2008
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 07/28/2008

NY SWTIRE: Registered Waste Tire Storage & Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8694
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006 — Date of Last EDR Contact: 05/16/2008
Database Release Frequency: Annually — Date of Next Scheduled Update: 08/11/2008

NY LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/05/2008 — Date of Last EDR Contact: 03/13/2008
Database Release Frequency: Varies — Date of Next Scheduled Update: 06/09/2008

NY HIST LTANKS: Listing of Leaking Storage Tanks
Source: Department of Environmental Conservation
Telephone: 518-402-9549
A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002 — Date of Last EDR Contact: 07/07/2005
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: Not reported

NY CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/24/2005
Date of Next Scheduled Update: 01/23/2006

NY MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Database Release Frequency: Varies
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY HIST UST: Historical Petroleum Bulk Storage Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/2002
Database Release Frequency: Varies
Date of Last EDR Contact: 10/23/2006
Date of Next Scheduled Update: 01/22/2007

NY CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY HIST AST: Historical Petroleum Bulk Storage Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/23/2006
Date of Next Scheduled Update: 01/22/2007

NY MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/25/2005
Date of Next Scheduled Update: 10/24/2005

NY NY MANIFEST: Facility and Manifest Data
Source: Department of Environmental Conservation
Telephone: 518-402-8651
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/15/2008
Database Release Frequency: Annually
Date of Last EDR Contact: 05/29/2008
Date of Next Scheduled Update: 08/25/2008

NY SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/05/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY HIST SPILLS: SPILLS Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/07/2005
Date of Next Scheduled Update: Not reported

NY ENG CONTROLS: Registry of Engineering Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 02/05/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY INST CONTROL: Registry of Institutional Controls
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 02/05/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 02/05/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY DRYCLEANERS: Registered Drycleaners
Source: Department of Environmental Conservation
Telephone: 518-402-8403
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004
Database Release Frequency: Varies
Date of Last EDR Contact: 05/21/2004
Date of Next Scheduled Update: Not reported

NY BROWNFIELDS: Brownfields Site List
Source: Department of Environmental Conservation
Telephone: 518-402-9764
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 02/05/2008
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/13/2008
Date of Next Scheduled Update: 06/09/2008

NY SPDES: State Pollutant Discharge Elimination System
Source: Department of Environmental Conservation
Telephone: 518-402-8233
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/06/2008
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/05/2008
Date of Next Scheduled Update: 08/04/2008

NY AIRS: Air Emissions Data
Source: Department of Environmental Conservation
Telephone: 518-402-8452
Point source emissions inventory data.

Date of Government Version: 12/31/2005
Database Release Frequency: Annually
Date of Last EDR Contact: 05/19/2008
Date of Next Scheduled Update: 08/18/2008

NY CBS: Chemical Bulk Storage Site Listing
Source: Department of Environmental Conservation
Telephone: 518-402-9549
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/28/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/23/2008
Date of Next Scheduled Update: 07/21/2008

NY RES DECL: Restrictive Declarations Listing
Source: NYC Department of City Planning
Telephone: 212-720-3401
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 04/15/2008
Date of Next Scheduled Update: 07/16/2007

NY MOSF: Major Oil Storage Facility Site Listing
Source: Department of Environmental Conservation
Telephone: 518-402-9549
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/28/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/23/2008
Date of Next Scheduled Update: 07/21/2008

NY E DESIGNATION: E DESIGNATION SITE LISTING
Source: New York City Department of City Planning
Telephone: 718-595-6658
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/26/2008
Database Release Frequency: Varies
Date of Last EDR Contact: 04/16/2008
Date of Next Scheduled Update: 07/14/2008

NY DAY CARE: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Date of Government Version: 02/20/2008
Database Release Frequency: N/A
Date of Last EDR Contact: 12/19/2007
Date of Next Scheduled Update: Not reported

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/24/2008
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/31/2008
Date of Next Scheduled Update: 06/30/2008

APPENDIX J

CITY DIRECTORY ABSTRACT

Block 2494, Lot 1
14 Dupont Street
Brooklyn, NY 11222

Inquiry Number: 2221604.6
May 15, 2008

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2005. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

This report compiles information by geocoding the subject properties (that is, plotting the latitude and longitude for such subject properties and obtaining data concerning properties within 100.32 Feet of the subject properties). There is no warranty or guarantee that geocoding will report or list all properties within the specified radius of the subject properties and any such warranty or guarantee is expressly disclaimed. Accordingly, some properties within the aforementioned radius and the information concerning those properties may not be referenced in this report.

Date EDR Searched Historical Sources: May 15, 2008

Target Property:
14 Dupont Street
Brooklyn, NY 11222

Year	***Uses***	***Source***
1928	Address Not Listed in Research Source	New York Telephone
1934	Address Not Listed in Research Source	R. L. Polk & Co.
1940	Address Not Listed in Research Source	New York Telephone Company
1945	Address Not Listed in Research Source	New York Telephone Company
1949	Address Not Listed in Research Source	NEW YORK TELEPHONE
1960	Address Not Listed in Research Source	New York Telephone
1965	Address Not Listed in Research Source	New York Telephone
1970	Address Not Listed in Research Source	New York Telephone
1973	Address Not Listed in Research Source	New York Telephone
1976	Address Not Listed in Research Source	New York Telephone
1980	Address Not Listed in Research Source	New York Telephone
1985	Address Not Listed in Research Source	NYNEX Information Resources Company
1992	Address Not Listed in Research Source	NYNEX Informantion Resource Co.
1997	Address Not Listed in Research Source	NYNEX
2000	Address Not Listed in Research Source	Cole Information Services
2005	Address Not Listed in Research Source	Hill-Donnelly Corporation

Adjoining Properties

SURROUNDING

Multiple Addresses
Brooklyn, NY 11222

Year	Uses	Source
1928	Address Not Listed in Research Source	New York Telephone
1934	Address Not Listed in Research Source	R. L. Polk & Co.
1940	Address Not Listed in Research Source	New York Telephone Company
1945	Address Not Listed in Research Source	New York Telephone Company
1949	****DUPONT****	NEW YORK TELEPHONE
	KING WM J (22)	
1960	****COMMERCIAL AVE****	New York Telephone
	GRUENBERG ELEC CO INC (9)	
	CENTURY ELEC CO MOTRS (7)	
	****DUPONT****	New York Telephone
	BOGDANOWICZ ROBT (15)	
1965	Address Not Listed in Research Source	New York Telephone
1970	Address Not Listed in Research Source	New York Telephone
1973	Address Not Listed in Research Source	New York Telephone
1976	Address Not Listed in Research Source	New York Telephone
1980	Address Not Listed in Research Source	New York Telephone
1985	Address Not Listed in Research Source	NYNEX Information Resources Company
1992	Address Not Listed in Research Source	NYNEX Informantion Resource Co.
1997	Address Not Listed in Research Source	NYNEX
2000	Address Not Listed in Research Source	Cole Information Services
2005	Address Not Listed in Research Source	Hill-Donnelly Corporation

APPENDIX K

PRIOR REPORTS/SUPPORTING DOCUMENTATION

New York City Department of Finance

Office of the City Register

HELP

Click help for additional instructions
Selecting a help option will open new window

Current Search Criteria:

Borough: BROOKLYN / KINGS
Block: 2494
Lot: 1
Date Range: To Current Date
Document Class: All Document Classes

Search Results By Parcel Identifier

Records 1 - 9 previous next Max Rows 10 Search Options New BBL Search Edit Current Search **Print Index**

View	Reel/Pg/File	CRFN	Lot	Partial	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
DET IMG		2005000712974	1	ENTIRE LOT	12/29/2005 10:22:58 AM	ASSIGNMENT, MORTGAGE	8	LUMBER EXCHANGE TERMINAL, INC.	STEPHEN L. STULMAN, AS SHAREHOLDERS REPRESENTATIVE				0
DET IMG		2005000628274	1	ENTIRE LOT	11/10/2005 4:20:43 PM	MORTGAGE	36	GREENPOINT LANDING ASSOCIATES, L.L.C.	LUMBER EXCHANGE TERMINAL , INC.				21,200,000
DET IMG		2005000628273	1	ENTIRE LOT	11/10/2005 4:20:42 PM	DEED	11	LUMBER EXCHANGE TERMINAL , INC.	GREENPOINT LANDING ASSOCIATES, L.L.C.		✓		44,000,000
DET IMG		2005000628272	1	ENTIRE LOT	11/10/2005 4:20:41 PM	TERMINATION OF AGREEMENT	9	LUMBER EXCHANGE TERMINAL, INC.	PARK TOWER GROUP, LTD				0
DET IMG		2005000528002	1	ENTIRE LOT	9/21/2005 11:15:42 AM	DECLARATION	15	GREENPOINT LANDING ASSOCIATES, L.L.C.	THE CITY OF NEW YORK				0
DET IMG		2005000496795	1	ENTIRE LOT	9/6/2005 12:09:42 PM	MEMORANDUM OF CONTRACT	9	LUMBER EXCHANGE TERMINAL, INC.	PARK TOWER GROUP, LTD				0
DET IMG	2426/1493		1	ENTIRE LOT	7/31/1989	DEED	6	GREEN ST TERMINAL CORP	OCEANIA TRADING&SHIPPING				0
DET IMG	1388/1801		1	ENTIRE LOT	4/18/1983	DEED	6	OCEANIA TRADING&SHIPPING	GREEN ST TERMINAL CORP				0
DET IMG	1238/166		1	ENTIRE LOT	5/18/1981	MORTGAGE	6	ROAMER STEAM LAUNDRY INC	REPUBLIC NATIONAL BANK OF N Y		✓		0

Search Options | New Parcel Identifier Search | Edit Current Search

Go To: Finance Home Page NYC.gov Home Page Contact NYC.gov FAQs Privacy Statement Site Map

Block 2494, Lot 1
14 Dupont Street
Brooklyn, NY 11222

Inquiry Number: 2221604.7
May 15, 2008

The EDR Environmental LienSearch™ Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

The EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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The EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

14 Dupont Street
Block 2494, Lot 1
Brooklyn, NY 11222

RESEARCH SOURCE

Source 1:

City Register of Kings County
Kings, NY

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Bargain and Sale Deed
Title is vested in:	Greenpoint Landing Associates, LLC
Title received from:	Lumber Exchange Terminal, Inc.
Deed Dated	10/31/2005
Deed Recorded:	11/10/2005
Book:	NA
Page:	NA
Volume:	NA
Instrument:	2005110801661003
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Greenpoint Landing Associates, LLC
Property Identifiers:	Block 2494 Lot 1
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If found:

1st Party:
2nd Party:
Dated:
Recorded:
Book:
Page:
Docket:

The EDR Environmental LienSearch™ Report

Volume:
Instrument:
Comments:
Miscellaneous Comments:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒
If found:

1st Party:
2nd Party:
Dated:
Recorded:
Book:
Page:
Docket:
Volume:
Instrument:
Comments:
Miscellaneous Comments:

Deed Exhibit 1

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2005110801661003001EE53D

RECORDING AND ENDORSEMENT COVER PAGE

Document ID: 2005110801661003 Document Date: 10-31-2005 Preparation Date: 11-08-2005
Document Type: DEED
Document Page Count: 9

PRESENTER:	**RETURN TO:**
FIDELITY NATIONAL TITLE INS. COMPANY ONE PARK AVENUE SUITE 1402 NEW YORK, NY 10016 212-481-5858 13201K (A, B, E, & F)	MEYER LAST, ESQ. FRIED FRANK HARRIS SHRIVER & JACOBSON ONE NEW YORK PLAZA NEW YORK, NY 10004

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BROOKLYN	2472	2	Entire Lot	N/A WEST STREET

Property Type: COMMERCIAL REAL ESTATE

Borough	Block	Lot	Unit	Address
BROOKLYN	2510	1	Entire Lot	179 WEST STREET

Property Type: COMMERCIAL REAL ESTATE

x Additional Properties on Continuation Page

CROSS REFERENCE DATA

CRFN_____ *or* Document ID_____ *or* _____ Year____ Reel ___ Page ____ *or* File Number_____

PARTIES

GRANTOR/SELLER:	**GRANTEE/BUYER:**
LUMBER EXCHANGE TERMINAL , INC. 171 WEST STREET BROOKLYN, NY 11222	GREENPOINT LANDING ASSOCIATES, L.L.C. 499 PARK AVENUE NEW YORK, NY 10022

x Additional Parties Listed on Continuation Page

FEES AND TAXES

Mortgage		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00

Recording Fee: $ 93.00
Affidavit Fee: $ 0.00
NYC Real Property Transfer Tax Filing Fee: $ 165.00
NYS Real Estate Transfer Tax: $ 176,000.00

NYC HPD Affidavit in Lieu of Registration Statement

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK

Recorded/Filed 11-10-2005 16:20
City Register File No.(CRFN):
2005000628273

City Register Official Signature

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2005110801661003001CE7BD

Document ID: 2005110801661003 Document Date: 10-31-2005 Preparation Date: 11-08-2005
Document Type: DEED

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BROOKLYN	2494	1	Entire Lot	31 EAGLE STREET

Property Type: COMMERCIAL REAL ESTATE

Borough	Block	Lot	Unit	Address
BROOKLYN	2520	57	Entire Lot	171 WEST STREET

Property Type: COMMERCIAL REAL ESTATE

Borough	Block	Lot	Unit	Address
BROOKLYN	2472	100	Entire Lot	37 COMMERCIAL STREET

Property Type: COMMERCIAL REAL ESTATE

Borough	Block	Lot	Unit	Address
BROOKLYN	2502	1	Entire Lot	N/A WEST STREET

Property Type: COMMERCIAL REAL ESTATE

PARTIES

GRANTOR/SELLER:

SUCCESSOR BY MERGER TO GREEN STREET
TERMINAL CORP.
171 WEST STREET
BROOKLYN, NY 11222

13201K(A,B,E,F) (#3

SST
176,000

BARGAIN AND SALE DEED
WITH COVENANT AGAINST GRANTOR'S ACTS

THIS INDENTURE, made the 31ST day of October, 2005, between LUMBER EXCHANGE TERMINAL, INC., a New York corporation as successor by merger to Green Street Terminal Corp., Oceania Tracking & Shipping Corporation, and East River Shipping & Warehouse Corp., having an address at 171 West Street, Brooklyn, New York, 11222, party of the first part, and GREENPOINT LANDING ASSOCIATES, L.L.C., a New York limited liability company, having an address at c/o Park Tower Group, Ltd., 499 Park Avenue, New York, New York 10022, party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten and No/100ths dollars and other valuable consideration, in lawful money of the United States, paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs, successors and assigns of the party of the second part forever.

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situated, lying and being in the

CITY OF NEW YORK
COUNTY OF KINGS
STATE OF NEW YORK, AS MORE PARTICULARLY
DESCRIBED ON EXHIBIT A ATTACHED HERETO
AND MADE A PART HEREOF.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof;

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises;

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been incumbered in any way whatever, except as set forth on Exhibit B attached hereto.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF

SELLER

LUMBER EXCHANGE TERMINAL, INC.

By: _____
Name: Stephen Stulman
Title: President.

ACKNOWLEDGEMENT

State of New York)
) ss.:
County of New York)

On the 31st day of October in the year 2005 before me, the undersigned, personally appeared Stephen Stulman, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Signature and Office of individual taking acknowledgement

LAWRENCE R PRIOLA
NOTARY PUBLIC, State of New York
No. 4841047
Qualified in Suffolk County
Commission Expires March 26, 19
Comm Exp 3/30/07 2007.

After recording return to:
Meyer Last, Esq.
Fried, Frank, Harris, Shriver & Jacobson LLP
One New York Plaza
New York, NY 10004

Section: 9 Block: 2472 Lot: 2 County/Town: Brooklyn	Section: 9 Block: 2510 Lot: 1 County/Town: Brooklyn	Section: 9 Block: 2494 Lot: 1 County/Town: Brooklyn
Section: 9 Block: 2520 Lot: 57 County/Town: Brooklyn	Section: 9 Block: 2502 Lot: 1 County/Town: Brooklyn	Section: 9 Block: 2472 Lot: 100 County/Town: Brooklyn

EXHIBIT A

Legal Description

Parcel I

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

Bounded on the north by Freeman Street and the westerly prolongation thereof, bounded on the east by West Street, bounded on the south by the center line of the block between Green Street as formerly laid on the Map of the City of Brooklyn and Huron Street and the westerly prolongation thereof, and bounded on the west by the East River.

Together with all right title and interest in and to the lands under the waters of the East River in front of and adjoining said premises, to the pierhead line as established in 1957.

Parcel II

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at the intersection of the center line of Freeman Street with the westerly side of West Street;

RUNNING THENCE northerly along the westerly side of West Street, 290 feet to the northerly side of Eagle Street;

THENCE easterly along the northerly side of Eagle Street, 255 feet;

THENCE northerly parallel with Franklin Street, 100 feet;

THENCE easterly parallel with Eagle Street, 200 feet to the westerly side of Franklin Street;

THENCE northerly along the westerly side of Franklin Street, 100 feet to the southerly side of Dupont Street;

THENCE westerly along the southerly side of Dupont Street, 295 feet;

THENCE southerly and parallel with the aforementioned westerly side of Franklin Street, 90 feet;

THENCE westerly and parallel with the aforementioned southerly side of Dupont Street, 130 feet to a point in the center line of West Street, as projected northerly from Eagle Street;

THENCE southerly along the center line of West Street, as projected 5 feet;

THENCE westerly along the southerly line of land taken for the State Barge Canal Terminal to the pierhead line approved by The Secretary of War on November 20, 1940;

THENCE generally in a southerly direction along the said pierhead line and along the pier line established by Chapter 628 of the Laws of 1886 to a point where the northerly line of Freeman Street, if extended westerly, would intersect the said pierhead line;

THENCE easterly along the northerly side of Freeman Street so as extended, 420 feet to the exterior bulkhead line;

THENCE southwesterly along the said bulkhead line, 30 feet 1 3/8 inches to the center line of Freeman Street as proposed; and

THENCE easterly along said center line of Freeman Street, 637 feet 7 1/2 inches to the point or place of BEGINNING.

Parcel III

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at a point on the northwesterly side of Commercial Street distant 663 feet 3 inches southwesterly from the westerly side of Manhattan Avenue measured along the northwesterly side of Commercial Street which point of beginning is where the southwesterly side of the land now or formerly of B & Q Service Company Inc. intersects the northwesterly side of Commercial Street;

RUNNING THENCE southwesterly along the northwesterly side of Commercial Street 652.50 feet to the northeasterly side of land appropriated by the State of New York on or about July 3, 1912 for a Barge Canal Terminal (being the center line of old Blue Street now closed);

THENCE northwesterly along the northeasterly side of said land and along the center line of old Blue Street now closed 511.49 feet to the pierhead line as approved by the Secretary of War July 22, 1916;

THENCE northeasterly along said pierhead line 290.27 feet to an angle therein;

THENCE still northeasterly along said pierhead line 360.24 feet to the land now or formerly of B & Q Service Company Inc.;

THENCE southeasterly along said land now or formerly of B & Q Service Company Inc. 510.73 feet to the northwesterly side of Commercial Street at the point or place of BEGINNING.

EXHIBIT B

Permitted Encumbrances

1. Rights of persons or parties in possession as tenants only, without purchase options or rights of first refusal.

2. Declaration of Single Development Parcels recorded September 21, 2005 as CRFN 2005000528002

3. Notice of Sidewalk Violation Lien docketed on July 11, 2005, Reference No. HWK693W (filed against Parcel II-Block 2494 Lot 1)

As to Parcel I:

1. Survey prepared by Bartlett, Ludlam & Dill Associates dated October 12, 2001, covering premises and more, and shown thereon as Parcel I, shows the following:

   a. Fence located 8 inches south of southerly record line.

   b. Rip rap crosses southerly and northerly record lines.

   c. Permanent sewer easement, 30 feet in width, crosses portion of premises.

   d. Fence extends up to 1 foot 10 inches onto West Street.

   e. Variations between line of fence and line of West Street.

As to Parcel II:

1. Survey made by Bartlett, Ludlam & Dell Associates dated October 12, 2001, covering premises and more, the premises herein being shown and designated thereon as Parcel II, shows the following:

   a) Fences cross premises in various locations.

   b) Rip rap crosses premises in vicinity of mean high water line.

   c) Variations between fences and walls with record lines of title.

   d) Permanent Sewer Easement twenty feet in width crosses northerly portion of premises.

   e) Windows in walls of one-story and three-story buildings on premises adjoining to the southeast are located along property line.

   f) Window guards from three story building on premises adjoining on the southeast project 2 feet 11 inches onto premises herein.

   g) Vent from building on premises adjoining on the southeast projects 1 foot 1 inch onto premises herein.

   h) Phone box from building on premises adjoining on the southeast projects 6 inches onto premises herein.

   i) Light from building on premises adjoining on the southeast projects 8 inches onto premises herein.

j) Wall of 1 story brick building on premises adjoining on the southeast encroaches 1/2 inch onto premises herein.

2. Permanent and Temporary Easements acquired by the City of New York by Condemnation Proceeding filed under Index No. 9908/58 in the Kings County Supreme Court for the acquisition of temporary and permanent easements in the vicinity of Huron, Quay, Green, Eagle and West Streets. (Kent Avenue Intercepting Sewer).

3. Easement Grant to Consolidated Edison Company of New York, Inc., recorded December 1, 1947 in Liber 7227 Page 95.

As to Parcel III:

1. Survey made by Bartlett, Ludlam & Dill Associates dated October 12, 2001 covering premises and more, and the premises herein being shown and designated thereon as Parcel III, shows the following:

    a. Variations between lines of fences and walls and record lines of title.

    b. Rip rap crosses northerly portion of premises.

    c. Frame deck extends outshore of the bulkhead line by as much as 15 feet, 5-1/2 inches.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2005110801661003001S2BBC

SUPPORTING DOCUMENT COVER PAGE

Document ID: 2005110801661003 Document Date: 10-31-2005 Preparation Date: 11-08-2005
Document Type: DEED

ASSOCIATED TAX FORM ID: 2005102800610

SUPPORTING DOCUMENTS SUBMITTED:

	Page Count
RP - 5217 REAL PROPERTY TRANSFER REPORT	3

FOR CITY USE ONLY

C1. County Code ____ C2. Date Deed Recorded ___ / ___ / ___ (Month Day Year)

C3. Book ____ C4. Page ____

OR

C5. CRFN ____

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

PROPERTY INFORMATION

1. Property Location: N/A (STREET NUMBER) WEST STREET (STREET NAME) BROOKLYN (BOROUGH) 11222 (ZIP CODE)

2. Buyer Name: GREENPOINT LANDING ASSOCIATES, L.L.C. (LAST NAME / COMPANY) (FIRST NAME)

(LAST NAME / COMPANY) (FIRST NAME)

3. Tax Billing Address: Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form) (LAST NAME / COMPANY) (FIRST NAME)

(STREET NUMBER AND STREET NAME) (CITY OR TOWN) (STATE) (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 6 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC

4B. Agricultural District Notice - N/A for NYC

Check the boxes below as they apply:

6. Ownership Type is Condominium ☐

7. New Construction on Vacant Land ☐

5. Deed Property Size: ____ (FRONT FEET) X ____ (DEPTH) OR ____ (ACRES)

8. Seller Name: LUMBER EXCHANGE TERMINAL , INC. (LAST NAME / COMPANY) (FIRST NAME)

SUCCESSOR BY MERGER TO GREEN STREET TERMINAL CORP. (LAST NAME / COMPANY) (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 9 / 12 / 2003 (Month Day Year)

11. Date of Sale / Transfer: 10 / 31 / 2005 (Month Day Year)

12. Full Sale Price $ 4,400,000,000

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale ____

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☐ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☐ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type **not** Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☑ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: V 9

16. Total Assessed Value (of all parcels in transfer): 4,723,874

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

BROOKLYN 2472 2 | BROOKLYN 2510 1 | BROOKLYN 2494 1

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER SIGNATURE ____ DATE ____

STREET NUMBER ____ STREET NAME (AFTER SALE) ____

CITY OR TOWN ____ STATE ____ ZIP CODE ____

BUYER'S ATTORNEY

LAST NAME ____ FIRST NAME ____

AREA CODE 212 TELEPHONE NUMBER 555-1212

SELLER

SELLER SIGNATURE ____ DATE ____

2005102800610201

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER			**BUYER'S ATTORNEY**	
BUYER SIGNATURE		DATE 10/31/05	LAST NAME Last	FIRST NAME Meyer
			AREA CODE 212	TELEPHONE NUMBER 555-1212
STREET NUMBER	STREET NAME (AFTER SALE)		**SELLER**	
CITY OR TOWN	STATE	ZIP CODE	SELLER SIGNATURE	DATE 10/31/05

2005102800610201

Borough	Block	Lot
BROOKLYN	2520	57
BROOKLYN	2472	100
BROOKLYN	2502	1

NYC BUILDINGS

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NYC Department of Buildings

Property Profile Overview

235 FRANKLIN STREET | **BROOKLYN 11222** | **BIN# 3063799**

DUPONT STREET	14 - 20	**Health Area**	: 100	**Tax Block**	: 2494
EAGLE STREET	31 - 49	**Census Tract**	: 577	**Tax Lot**	: 1
FRANKLIN STREET	235 - 241	**Community Board**	: 301	**Condo**	: NO
		Buildings on Lot	: 2	**Vacant**	: NO

View DCP Addresses... Browse Block View Certificates of Occupancy

Cross Street(s):	EAGLE STREET, DUPONT STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	3839543		

Special District: NONE

Department of Finance Building Classification: Z9-MISCELLANEOUS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	4	0
Violations-DOB	2	2
Violations-ECB	3	1
Jobs/Filings	1	
PRA / ARA Jobs	0	
Total Jobs	1	
Actions	18	

OR Enter Action Type:

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information

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Property Browse by Boro/Block/Lot

Page: 1

Browsing BROOKLYN Block 2494 Lot 1

TAX LOT	ADDRESS	HOUSE NUM RANGE	FOIL	LANDMARK STATUS	BIN
1	235 FRANKLIN STREET	235 - 261			3063799

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Job Overview

Premises: 235 FRANKLIN STREET BROOKLYN **BIN: 3063799 Block: 2494 Lot: 1**

To start overview at new date, select Month: Day: Year:

Show All BIS Job Types Show All Filings APPLY

FILE DATE	JOB #	DOC #	JOB TYPE	FLOOR	JOB STATUS	STATUS DATE	LIC #	APPLICANT	FILING REP	IN AUDIT
07/15/1997	**300652354**	01	A2	OSP	J P/E DISAPPROVED	07/24/1997		GYORY		
REHABILITATION OF THE EAST RIVER SLUDGE STORAGE TANK,AND IMOROVEMENT OF										

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Application Details

Premises: 235 FRANKLIN STREET BROOKLYN
BIN: 3063799 **Block:** 2494 **Lot:** 1

Job No: 300652354
Document: 01 OF 1
Job Type: A2 - ALTERATION TYPE 2

Document Overview	Items Required	Virtual Job Folder	All Permits	Schedule A	Schedule B
Fees Paid	Forms Received		All Comments	C/O Summary	Plumbing Inspections
	Plan Examination				

Last Action: PLAN EXAM - DISAPPROVED 07/24/1997 (J)

Pre-Filed: 07/08/1997 **Building Type:** Other **Estimated Total Cost:** $435,000.00
Date Filed: 07/15/1997 **Fee Structure:** EXEMPT **Filing Method:** PAPER

Job Description Comments

1 Location Information (Filed At)

House No(s): 14 **Street Name:** DUPONT STREET
Borough: Brooklyn **Block:** 2494 **Lot:** 1 **BIN:** 3063799 **CB No:** 301
Work on Floor(s): OSP **Apt/Condo No(s):**

2 Applicant Information

Name: STEVEN GYORY
Business Name: GREELEY AND HANSEN **Business Phone:** 212-227-1250
Business Address: 115 BROADWAY NY NY 10006 **Business Fax:**
E-Mail: **Mobile Telephone:**
License Number: 064134

Applicant Type: ☒ P.E. ☐ R.A ☐ Sign Hanger ☐ Other

Directive 14 Applicant of Record
Not Applicable
Previous Applicant
Not Applicable

3 Filing Representative

None

4 Filing Status

Click Here to View

5 Job Types

- ☐ **Alteration Type 1**
  - ☐ Partial Demolition
  - *Change to:*
  - ☐ Room Count / Dwelling Units
  - ☐ Occupancy / Use
  - ☐ Egress
- ☐ **New Building**
- ☒ **Alteration Type 2**
- ☐ **Alteration Type 3**
- ☐ **Sign**
- ☐ **Demolition**
- ☐ **Subdivision: Improved**
- ☐ **Subdivision: Condo**
- ☐ **Alteration Type 1, OT "No Work"**

Directive 14 acceptance requested? ☐ Yes ☒ No

6 Work Types

☐ **BL - Boiler**	☐ **FA - Fire Alarm**	☐ **FB - Fuel Burning**	☐ **FS - Fuel Storage**
☐ **FP - Fire Suppression**	☒ **MH - Mechanical**	☒ **PL - Plumbing**	☐ **SD - Standpipe**
☐ **SP - Sprinkler**	☐ **EQ - Construction Equipment**	☐ **CC - Curb Cut**	
☐ **OT -**			

7 Plan Submitted

☐ **NP - No Plans** or ☒ **AR - Architectural** ☐ **BP - BPP Checklist** ☐ **FO - Foundation** ☒ **ME - Mechanical**
☐ **OT - Other** ☒ **PL - Plumbing** ☐ **ST - Structural** ☐ **ZO - Zoning**

8 Additional Information

Not Applicable

9 Additional Considerations, Limitations or Restrictions

Yes	No		
☐	☒	**Filed to Comply with Local Law**	**Local Law No./Year:**
☐	☒	**Other, Specify:**	
☐	☐	**Restrictive Declaration / Easement / Merger**	**CRFN No.:**
☐	☐	**Zoning Exhibit Record Info**	**CRFN No.:**
☐	☒	**Landmark**	**Landmark Docket Number:**
☐	☐	**Legalization (1/1/89+)**	
☒	☐	**"Little E" Hazmat Site**	
☐	☐	**Unmapped Street**	
☐	☐	**Adult Establishment**	
☐	☐	**Compensated Development (Inclusionary Housing)**	
☐	☐	**Low Income Housing (Inclusionary Housing)**	
☐	☐	**Single Room Occupancy (SRO) Multiple Dwelling**	
☐	☒	**Old Code Review Requested**	
☐	☒	**Structural Stability affected by proposed work**	

Yes	No	
☐	☐	**Included in LMCCC**
☐	☒	**Infill Zoning**
☐	☐	**Loft Board**
☐	☒	**Quality Housing**
☐	☒	**Site Safety Job**

BSA Calendar No.(s):

CPC Calendar No.(s):

10 ECCCNYS Compliance (Applicant Statement)

Not Provided

11 Job Description

REHABILITATION OF THE EAST RIVER SLUDGE STORAGE TANK,AND IMOROVEMENT OF THE DOCK SITE INCLUDING INSTALLATION OF NEW SANITARY SEWER LINE AND NEW FENCING. DEMOLITION AND REMOVAL OF PIPING AND INS TALLATION OF NEW PIPING & PUMPING EQUIP ENT AT THE EAST RIVER STORAGE TANK.

Related BIS Job Numbers:

12 Zoning Lot Characteristics

District(s): M3-1 - HEAVY MANUFACTURING DISTRICT (LOW PERFORMANCE)

Overlay(s):

Special District(s):

Map No.: 12C **Street legal width (ft.):** **Street status:** ☒ Public ☐ Private

Zoning lot includes the following tax lots:

13 Building Characteristics

	Existing	Proposed
Occupancy Classification:		
Construction Classification:		
Multiple Dwelling Classification:		
Building Height (ft.):		60
Building Stories:		1
Dwelling Units:		
Zoning Floor Area (sq.ft.):		

14 Fill

☐ **Not Applicable** ☐ **Off-Site** ☐ **On-Site** ☐ **Under 300 cu. yd.**

15 Construction Equipment

Not Applicable

16 Curb Cut Description

Not Applicable

17 Tax Lot Characteristics

Original tax lots being merged or reapportioned(if applicable):

Tentative tax lot numbers (new tax lots only):

18 Fire Protection Equipment

Not Applicable

19 Open Spaces

Not Provided

20 Site Characteristics
Not Provided

21 Demolition
Not Applicable

22 Signs
Not Applicable

23 Comments

24 Applicant's Statements and Signatures **(See paper form or check Forms Received)**

25 Owner's Information

Name: ROBERT L GAFFOGLIO
Relationship to Owner:
Business Name: NYC DEPT.OF ENV.PROT. **Business Phone:** 718-595-6002
Business Address: 96-05 HORACE HARDING EXPWY. ELMHURST NY 11373-5107 **Business Fax:**
E-Mail: **Owner Type:**
Non Profit: ☒ Yes ☐ No

Yes	No	
☐	☐	**Owner's Statement for Energy Conservation Construction Code of NYS**
☐	☒	**Owner's Certification Regarding Occupied Housing**
☐	☒	**Owner DHCR Notification**
☐	☐	**Owner's Certification for Adult Establishment**

Metes and Bounds
Beginning at a point on the side of
Distant Ft. of the corner formed by the intersection of and

Running Thence: 0 Ft.	**Thence:** 0 Ft.
Running Thence: 0 Ft.	**Thence:** 0 Ft.
Running Thence: 0 Ft.	**Thence:** 0 Ft.
Running Thence: 0 Ft.	**Thence:** 0 Ft.

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Complaints By Address

Click here for information on how to remove a Stop Work Order from your property

Page: 1 of 1

4 Total Complaints

View SWO Complaints BIN: 3063799

Looking for a list of complaint category codes or disposition codes?
(Adobe Acrobat Reader required)

Complaint Number	Address	Date Entered	Category	Inspection Date	Disposition	Status
3134371	49 EAGLE STREET	06/22/2004	83	06/26/2004	A9	RES
3092229	237 FRANKLIN STREET	08/10/2001	59	10/19/2001	I2	RES
3092230	237 FRANKLIN STREET	08/10/2001	73	09/05/2002	XX	RES
3092228	237 FRANKLIN STREET	08/10/2001	55	09/05/2002	XX	RES

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Overview for Complaint #:3092229 = RESOLVED

Complaint at: 237 FRANKLIN STREET **BIN:** 3063799 **Borough:** BROOKLYN **ZIP:** 11222

Re: ILLEGAL ELECTRICAL WIRING IN STRUCTURE ABD TRAILER

Category Code: 59 ELECTRICAL WIRING - DEFECTIVE/EXPOSED, IN PROGRESS

DOB District: N/A
Special District:

Assigned To: ELECTRICAL DIVISION **Priority:** C

Received: 08/10/2001 10:12 **Block:** 2494 **Lot:** 1 **Community Board:** 301
Owner: OCEANIA TRAD & SHIP CO
Referenced Complaint Number: 3092229

Last Inspection: 10/19/2001 - - BY BADGE # 0890 ASHMAN KENNETH ELECTRICAL
Disposition: 10/29/2001 - - I2 - NO VIOLATION WARRANTED FOR COMPLAINT AT TIME OF INSPECTION
Disposition Entered By: CHA 10/29/2001
Comments: NO VIOLATION FOUND

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date

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Overview for Complaint #:3092230 = RESOLVED

Complaint at: 237 FRANKLIN STREET **BIN:** 3063799 **Borough:** BROOKLYN **ZIP:** 11222

Re: ILLEGAL COMBUSTABLE STAIRWAY ON TRAILER

Category Code: 73 FAILURE TO MAINTAIN

DOB District: N/A
Special District:

Assigned To: BROOKLYN BOROUGH OFFICE **Priority:** C

Received: 08/10/2001 10:15 **Block:** 2494 **Lot:** 1 **Community Board:** 301
Owner: OCEANIA TRAD & SHIP CO

Last Inspection: 09/05/2002 - - BY BADGE # 1029 SIEBURT MICHAEL BROOKLYN
Disposition: 09/05/2002 - - XX - ADMINISTRATIVE CLOSURE
Disposition Entered By: CHZ 09/05/2002
Comments: XX

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date

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Overview for Complaint #:3092228 = RESOLVED

Complaint at: 237 FRANKLIN STREET **BIN:** 3063799 **Borough:** BROOKLYN **ZIP:** 11222

Re: ILLEGAL TRAILOR ON LOT

Category Code: 55 ZONING - NON-CONFORMING

DOB District: N/A

Special District:

Assigned To: BROOKLYN BOROUGH OFFICE **Priority:** D

Received: 08/10/2001 10:04 **Block:** 2494 **Lot:** 1 **Community Board:** 301

Owner: OCEANIA TRAD & SHIP CO

Last Inspection: 09/05/2002 - - BY BADGE # 1029 SIEBURT MICHAEL BROOKLYN

Disposition: 09/05/2002 - - XX - ADMINISTRATIVE CLOSURE

Disposition Entered By: CHZ 09/05/2002

Comments: XX

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date

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DOB Violations

Page: 1

Premises: 235 FRANKLIN STREET BROOKLYN **BIN: 3063799 Block: 2494 Lot: 1**

NUMBER	TYPE	FILE DATE
V 2117/14GEORGE10-3-041768	DOB VIOLATION - ACTIVE	00/00/0000
V 5668-69GEORGE-110669	DOB VIOLATION - ACTIVE	00/00/0000

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ECB Query By Location

Premises: 235 FRANKLIN STREET BROOKLYN **BIN: 3063799 Block: 2494 Lot: 1 CB: 301**

A	ECB NUM / INF CD	RESPONDENT NAME	DATE OF ISSUANCE & DOB VIOL NUMB / PROV LAW	VIOL TYPE	STATUS
A	**34440217L** B5C	OCEANIA TRAD AND SHI	062604C01AH06 27-	CONS	NO COMP
D	**34440216J** B5C	OCEANIA TRAD AND SHI	062604C01AH05 27-	CONS	CURED
D	**34440218N** B07	OCEANIA TRAD AND SHI	062604C01AH07 27-127	CONS	CURED

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ECB Violation Details

Premises: 235 FRANKLIN STREET BROOKLYN **BIN: 3063799 Block: 2494 Lot: 1**

ECB Viol Number: 34440217L **VIOL ACTIVE** **Status: NO COMPL RECORD**

Filed At:	49 EAGLE STREET , BKN , NY 11222		**Block:** 2494	**Lot:**	1
Respondent Info:				**CB:**	301
OCEANIA TRAD AND SHIP CO. . 171 WEST STREET , BKLYN , NY 11222				**GEO Flag:**	1
Viol Issue Date:	06/26/2004	**Delivered Date:**	06/26/2004		
Viol Type:	CN - CONSTRUCTION	**DOB Viol Number:**	062604C01AH06		
Issuing Insp ID:	1847	**Tax Lien Serv:**	NO		
Device Type:		**Device Number:**	3063799		
Sched Hrg Date:	10/12/2005	**Hearing Time:**	8:30	**Location:**	BKN
Amount Imposed:	$2,500.00	**Amount Paid:**	$0.00		
Hearing Status:	F - DEFAULT	**Compl Status:**	N - NO COMPL RECORD		
Compl By Date:	12/31/2005	**Compl Met Flag:**			
Compl Met Date:		**Viol Severity:**	B - MODERATE		

Infraction Codes:
B5C 27- MISCELLANEOUS CONSTRUCTION VIOLATIONS

Description of Violation:
DANGEROUS PLACES AND THINGS - HAZARDOUS. CONSTRUCTION WORK SUCH AS WEL
DING, MASONRY, FLAMING AND DEMOLISHING WITH JACK HAMMER BEING DONE ADJ
ACENT TO OCCUPIED APARTMENTS #2,3 AND 5 IN WHICH LARGE HOLES ARE

Historical Event Dates:

CUR:	**HRG:**	**COM:**	**DEF:**	**STIP ACC:**
AJR:	**ASG:**	**WRI:**	**Cominsp:**	**Comdoc:**

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ECB Violation Details

Premises: 235 FRANKLIN STREET BROOKLYN **BIN:** 3063799 **Block:** 2494 **Lot:** 1

ECB Viol Number: 34440216J **VIOL RESOLVED** **Status:** CURE ACCEPTED

Filed At: 49 EAGLE STREET , BKN , NY 11222 **Block:** 2494 **Lot:** 1

Respondent Info: **CB:** 301

OCEANIA TRAD AND SHIP CO. . 171 WEST STREET , BKLYN , NY 11222 **GEO Flag:** 1

Viol Issue Date:	06/26/2004	**Delivered Date:**	06/26/2004
Viol Type:	CN - CONSTRUCTION	**DOB Viol Number:**	062604C01AH05
Issuing Insp ID:	1847	**Tax Lien Serv:**	NO
Device Type:		**Device Number:**	3063799
Sched Hrg Date:	08/09/2004	**Hearing Time:**	10:30 **Location:** BKN
Amount Imposed:	$0.00	**Amount Paid:**	$0.00
Hearing Status:	C - CURED	**Compl Status:**	C - CURE ACCEPTED
Compl By Date:	09/25/2004	**Compl Met Flag:**	A - AFFIDAVIT ACCEPTED
Compl Met Date:		**Viol Severity:**	B - MODERATE

Infraction Codes:
B5C 27- MISCELLANEOUS CONSTRUCTION VIOLATIONS

Description of Violation:
WORK WITHOUT A VARIANCE. NOTE- FAILURE TO CARRY OUT PERMITTED WORK IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS IN THAT CONSTRUCTION A CTIVITIES ARE BEING PERFORMED OTHER THAN ON WEEKDAYS BETWEEN THE HOURS

Historical Event Dates:

CUR:	07/14/2004	**HRG:**	**COM:**	**DEF:**	**STIP ACC:**
AJR:		**ASG:**	**WRI:**	**Cominsp:**	**Comdoc:**

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ECB Violation Details

Premises: 235 FRANKLIN STREET BROOKLYN **BIN: 3063799 Block: 2494 Lot: 1**

ECB Viol Number: 34440218N **VIOL RESOLVED** **Status: CURE ACCEPTED**

Filed At:	49 EAGLE STREET , BKN , NY 11222	**Block:** 2494	**Lot:** 1		
Respondent Info:			**CB:** 301		
OCEANIA TRAD AND SHIP CO. . 171 WEST STREET , BKLYN , NY 11222			**GEO Flag:** 1		
Viol Issue Date:	06/26/2004	**Delivered Date:**	06/26/2004		
Viol Type:	CN - CONSTRUCTION	**DOB Viol Number:**	062604C01AH07		
Issuing Insp ID:	1847	**Tax Lien Serv:**	NO		
Device Type:		**Device Number:**	3063799		
Sched Hrg Date:	08/09/2004	**Hearing Time:**	10:30	**Location:**	BKN
Amount Imposed:	$0.00	**Amount Paid:**	$0.00		
Hearing Status:	C - CURED	**Compl Status:**	C - CURE ACCEPTED		
Compl By Date:	09/25/2004	**Compl Met Flag:**	A - AFFIDAVIT ACCEPTED		
Compl Met Date:		**Viol Severity:**	B - MODERATE		

Infraction Codes:
B07 27-127 FAILURE TO MAINTAIN BUILDING

Description of Violation:
FAILURE TO MAINTAIN. DEFECTS ARE LARGE HOLES IN ROOF OF APARTMENTS #2, 3 AND 5 CAUSING SEVERE FLOOD. REMEDY: MAINTAIN BUILDING FORTHWITH.

Historical Event Dates:

CUR:	07/14/2004	**HRG:**	**COM:**	**DEF:**	**STIP ACC:**
AJR:		**ASG:**	**WRI:**	**Cominsp:**	**Comdoc:**

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Actions

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Premises: 235 FRANKLIN STREET BROOKLYN BIN: 3063799 Block: 2494 Lot: 1

NUMBER		TYPE	FILE DATE
ALT 227-72		ALTERATION	00/00/1914
ALT 3189-081650		ALTERATION	00/00/1950
ALT 3189-50		ALTERATION	08/16/1950
C/A 12371-67			11/03/1967
CERT 198746-011668	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/1901
DEMO 132-27			05/11/1927
DOC 29874-112069		DOCKET	00/00/1911
FO 161-65		OIL BURNER APPLICATION	00/00/1902
LETT 15-27			04/11/1927
MIS 5717-235-45-113060		MISCELLANEOUS	00/00/1923

Next

Enter Action Type: Or Select from List: Select... Refresh

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Premises: 235 FRANKLIN STREET BROOKLYN BIN: 3063799 Block: 2494 Lot: 1

NUMBER		TYPE	FILE DATE
MISC 5717-60		MISCELLANEOUS	11/30/1960
NB 100-020365		NEW BUILDING	00/00/1902
NB 15653-24		NEW BUILDING	07/25/1924
NB 1437-25		NEW BUILDING	00/00/1925
NB 100-65		NEW BUILDING	00/00/1965
P&D 70-28		PLUMBING & DRAINAGE	01/13/1928
TEMP 280-31	(PDF)	TEMPORARY C OF O	06/18/1931
TEMP 92-32	(PDF)	TEMPORARY C OF O	05/27/1932
V 2117/14GEORGE10-3-041768		DOB VIOLATION - ACTIVE	00/00/0000
V 5668-69GEORGE-110669		DOB VIOLATION - ACTIVE	00/00/0000

Previous Next

Enter Action Type: Or Select from List: Select... Refresh

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Actions

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Premises: 235 FRANKLIN STREET BROOKLYN BIN: 3063799 Block: 2494 Lot: 1

NUMBER	TYPE	FILE DATE
VECB 062604C01AH06	ECB VIOLATION - ACTIVE	06/26/2004
VEC* 062604C01AH05	ECB VIOLATION DISMISSED	06/26/2004
VEC* 062604C01AH07	ECB VIOLATION DISMISSED	06/26/2004

Previous

Enter Action Type: Or Select from List: Select... Refresh

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DOB Violation Display

Premises: 235 FRANKLIN STREET BROOKLYN **BIN: 3063799 Block: 2494 Lot: 1**

Issue Date:	06/26/2004	**Violation Category:**	
Violation Type:	CN - CONSTRUCTION		
Violation Number:	062604C01AH06	**Device No.:**	3063799
ECB No.:	34440217L (refer to for further details)		

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DOB Violation Display

Premises: 235 FRANKLIN STREET BROOKLYN **BIN: 3063799 Block: 2494 Lot: 1**

Issue Date:	06/26/2004	**Violation Category:**	
Violation Type:	CN - CONSTRUCTION		
Violation Number:	062604C01AH05	**Device No.:**	3063799
ECB No.:	34440216J (refer to for further details)		

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DOB Violation Display

Premises: 235 FRANKLIN STREET BROOKLYN **BIN: 3063799 Block: 2494 Lot: 1**

Issue Date:	06/26/2004	**Violation Category:**	
Violation Type:	CN - CONSTRUCTION		
Violation Number:	062604C01AH07	**Device No.:**	3063799
ECB No.:	34440218N (refer to for further details)		

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Property Profile Overview

NO RECORDS FOUND

235 FRANKLIN STREET | **BROOKLYN 11222** | **BIN# 3063799**

DUPONT STREET	14 - 20	**Health Area**	: 100	**Tax Block**	: 2494
EAGLE STREET	31 - 49	**Census Tract**	: 577	**Tax Lot**	: 1
FRANKLIN STREET	235 - 241	**Community Board**	: 301	**Condo**	: NO
		Buildings on Lot	: 2	**Vacant**	: NO

View DCP Addresses... **Browse Block** **View Certificates of Occupancy**

Cross Street(s):	EAGLE STREET, DUPONT STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	3839543		

Special District: NONE

Department of Finance Building Classification: Z9-MISCELLANEOUS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	4	0
Violations-DOB	2	2
Violations-ECB	3	1
Jobs/Filings	1	
PRA / ARA Jobs	0	
Total Jobs	1	
Actions	18	

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OR Enter Action Type:
OR Select from List:
Select...
AND Show Actions

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Electrical Application Browse for an Address

Active Applications

Page: 1

Premises: 235 FRANKLIN STREET BROOKLYN

Active Job Count: 4

BIN: 3063799 Block: 2494 Lot: 1

Display (All) (Inactive) (Minor Work)

CONTROL NUMBER	ENTER DATE	STATUS / STATUS DATE	LAST INSPECTION
B182663	10/01/1998	I - AWAITING INSPECTION REQUEST Z - COMPLETION FEE WAS BILLED	**INSPECTOR NAME:** **INSPECTION DATE:**
	TYPE: A - APPLICATION **FIRM NAME:** OSVI ELEC'L CO., INC. **LICENSEE NAME:** VIELMA O **POWER AUTHORIZATION:** I - ISSUED		**FEE:** $386.75 **FIRM #:** 001113 **LICENSEE #:** 010091
	ADVISORY BOARD INFO? NO		
B169349	09/04/1997	I - AWAITING INSPECTION REQUEST	**INSPECTOR NAME:** **INSPECTION DATE:**
	TYPE: A - APPLICATION **FIRM NAME:** OSVI ELEC'L CO., INC. **LICENSEE NAME:** VIELMA O **POWER AUTHORIZATION:** I - ISSUED		**FEE:** $64.00 **FIRM #:** 001113 **LICENSEE #:** 010091
	ADVISORY BOARD INFO? NO		
B158604	10/15/1996	I - AWAITING INSPECTION REQUEST	**INSPECTOR NAME:** **INSPECTION DATE:**
	TYPE: A - APPLICATION **FIRM NAME:** COMMUNITY ELEC., INC. **LICENSEE NAME:** TIZIO JAMES **POWER AUTHORIZATION:** I - ISSUED		**FEE:** $613.75 **FIRM #:** 000339 **LICENSEE #:** 010152
	ADVISORY BOARD INFO? NO		
B121699	01/18/1994	N - NO ACCESS 03/28/1994	**INSPECTOR NAME:** ASHMAN, K. **INSPECTION DATE:** 03/09/1994
	TYPE: C - COMPLAINT **FIRM NAME:** UNKNOWN **LICENSEE NAME:** UNKNOWN **ADVISORY BOARD INFO?** NO		**FEE:** $0.00 **FIRM #:** **LICENSEE #:** **INSPECTION RESULTS**

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Property Profile Overview

NO PREVIOUSLY ISSUED PERMITS FOUND FOR THIS PROPERTY

235 FRANKLIN STREET | **BROOKLYN 11222** | **BIN# 3063799**

DUPONT STREET	14 - 20	**Health Area**	: 100	**Tax Block**	: 2494
EAGLE STREET	31 - 49	**Census Tract**	: 577	**Tax Lot**	: 1
FRANKLIN STREET	235 - 241	**Community Board**	: 301	**Condo**	: NO
		Buildings on Lot	: 2	**Vacant**	: NO

View DCP Addresses... Browse Block View Certificates of Occupancy

Cross Street(s):	EAGLE STREET, DUPONT STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	3839543		

Special District: NONE

Department of Finance Building Classification: Z9-MISCELLANEOUS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	4	0
Violations-DOB	2	2
Violations-ECB	3	1
Jobs/Filings	1	
PRA / ARA Jobs	0	
Total Jobs	1	
Actions	18	

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Property Profile Overview

NO ILLUMINATED SIGNS EXIST FOR THIS PROPERTY

235 FRANKLIN STREET		**BROOKLYN 11222**		**BIN# 3063799**	
DUPONT STREET	14 - 20	**Health Area**	: 100	**Tax Block**	: 2494
EAGLE STREET	31 - 49	**Census Tract**	: 577	**Tax Lot**	: 1
FRANKLIN STREET	235 - 241	**Community Board**	: 301	**Condo**	: NO
		Buildings on Lot	: 2	**Vacant**	: NO

View DCP Addresses... Browse Block View Certificates of Occupancy

Cross Street(s):	EAGLE STREET, DUPONT STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	3839543		

Special District: NONE

Department of Finance Building Classification: Z9-MISCELLANEOUS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	4	0
Violations-DOB	2	2
Violations-ECB	3	1
Jobs/Filings	1	
PRA / ARA Jobs	0	
Total Jobs	1	
Actions	18	

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Property Profile Overview

NO PLUMBING INSPECTIONS COMPLETED FOR THIS PROPERTY

235 FRANKLIN STREET — **BROOKLYN 11222** — **BIN# 3063799**

DUPONT STREET	14 - 20	**Health Area**	: 100	**Tax Block**	: 2494
EAGLE STREET	31 - 49	**Census Tract**	: 577	**Tax Lot**	: 1
FRANKLIN STREET	235 - 241	**Community Board**	: 301	**Condo**	: NO
		Buildings on Lot	: 2	**Vacant**	: NO

View DCP Addresses... Browse Block View Certificates of Occupancy

Cross Street(s):	EAGLE STREET, DUPONT STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	3839543		

Special District: NONE

Department of Finance Building Classification: Z9-MISCELLANEOUS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	4	0
Violations-DOB	2	2
Violations-ECB	3	1
Jobs/Filings	1	
PRA / ARA Jobs	0	
Total Jobs	1	
Actions	18	

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Job Overview

NB / ALT1 / ALT2 / ARA Jobs with Open Plumbing Work

This query lists:

- All open ARAs
- Alt-2 jobs with open plumbing work types (PL, SP, SD)
- NB or Alt-1 jobs without the "Final Plumbing Signoff" required item

Note: This query does NOT check for open worktypes on NB or Alt-1 jobs.

Premises: 235 FRANKLIN STREET BROOKLYN **BIN: 3063799 Block: 2494 Lot: 1**

FILE DATE	JOB #	DOC #	JOB TYPE	FLOOR	JOB STATUS	STATUS DATE	LIC #	APPLICANT	FILING REP	IN AUDIT
07/15/1997	**300652354**	01	A2	OSP	J P/E DISAPPROVED	07/24/1997		GYORY		
REHABILITATION OF THE EAST RIVER SLUDGE STORAGE TANK,AND IMOROVEMENT OF										

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Property Profile Overview

NO ACTIVE RECORDS FOUND FOR THIS PROPERTY

235 FRANKLIN STREET | **BROOKLYN 11222** | **BIN# 3063799**

DUPONT STREET	14 - 20	**Health Area**	: 100	**Tax Block**	: 2494
EAGLE STREET	31 - 49	**Census Tract**	: 577	**Tax Lot**	: 1
FRANKLIN STREET	235 - 241	**Community Board**	: 301	**Condo**	: NO
		Buildings on Lot	: 2	**Vacant**	: NO

View DCP Addresses... Browse Block View Certificates of Occupancy

Cross Street(s):	EAGLE STREET, DUPONT STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	3839543		

Special District: NONE

Department of Finance Building Classification: Z9-MISCELLANEOUS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	4	0
Violations-DOB	2	2
Violations-ECB	3	1
Jobs/Filings	1	
PRA / ARA Jobs	0	
Total Jobs	1	
Actions	18	

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Property Profile Overview

NO MARQUEE RECORDS FOUND FOR THIS PROPERTY

235 FRANKLIN STREET		**BROOKLYN 11222**		**BIN# 3063799**	
DUPONT STREET	14 - 20	**Health Area**	: 100	**Tax Block**	: 2494
EAGLE STREET	31 - 49	**Census Tract**	: 577	**Tax Lot**	: 1
FRANKLIN STREET	235 - 241	**Community Board**	: 301	**Condo**	: NO
		Buildings on Lot	: 2	**Vacant**	: NO

View DCP Addresses... Browse Block View Certificates of Occupancy

Cross Street(s):	EAGLE STREET, DUPONT STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	3839543		

Special District: NONE

Department of Finance Building Classification: Z9-MISCELLANEOUS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	4	0
Violations-DOB	2	2
Violations-ECB	3	1
Jobs/Filings	1	
PRA / ARA Jobs	0	
Total Jobs	1	
Actions	18	

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Property Profile Overview

NO BOILER RECORDS FOUND FOR THIS PROPERTY

235 FRANKLIN STREET		**BROOKLYN 11222**		**BIN# 3063799**	
DUPONT STREET	14 - 20	**Health Area**	: 100	**Tax Block**	: 2494
EAGLE STREET	31 - 49	**Census Tract**	: 577	**Tax Lot**	: 1
FRANKLIN STREET	235 - 241	**Community Board**	: 301	**Condo**	: NO
		Buildings on Lot	: 2	**Vacant**	: NO

View DCP Addresses... Browse Block View Certificates of Occupancy

Cross Street(s):	EAGLE STREET, DUPONT STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	3839543		

Special District: NONE

Department of Finance Building Classification: Z9-MISCELLANEOUS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	4	0
Violations-DOB	2	2
Violations-ECB	3	1
Jobs/Filings	1	
PRA / ARA Jobs	0	
Total Jobs	1	
Actions	18	

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DECLARATION OF SINGLE DEVELOPMENT PARCEL PURSUANT TO ZONING RESOLUTION SECTION 62-831 AND 62-353 OF THE NEW YORK CITY ZONING RESOLUTION

Greenpoint Landing Associates, L.L.C., a New York Limited Liability Company having an address c/o Park Tower Group, 499 Park Avenue, New York, New York 10022 ("Greenpoint") and the City of New York, having an address at City Hall, New York, New York 10007 (the "City"), acting by and through the Office of the Mayor (the City and Greenpoint hereinafter sometimes collectively referred to as the "Parties"), constituting the sole parties in interest (excepting those parties waiving their respective rights to join therein) as defined in subdivision (f)(4) of Section 12-10, definition of "zoning lot," under the Zoning Resolution of the City of New York, effective December 15, 1961, as amended (the "Zoning Resolution"), with respect to the lands known as Tax Lots 2, 32, and 100 of Block 2472, Tax Lots 1 and 6 of Block 2494, Tax Lot 1 of Block 2502, Tax Lot 1 of Block 2510, and Tax Lot 57 of Block 2520 on the tax map of the City of New York, Borough of Brooklyn, do hereby declare that the contiguous parcels of land identified as "Parcel 5A", "Parcel 5B" and "Parcel 5C" in the Greenpoint-Williamsburg Waterfront Access Plan as set forth in Section 62-831 of the Zoning Resolution (Parcel 5A, Parcel 5B, and Parcel 5C collectively, the "Property," and each individually, a "Parcel"), which Property is described more particularly in Exhibit A annexed hereto, are to be developed as a single parcel pursuant to Section 62-353 of the Zoning Resolution.

The Parties hereto further covenant and agree as follows:

1. All capitalized terms not otherwise specifically defined herein shall have the meaning set forth in Section 12-10 of the Zoning Resolution.

2. Greenpoint hereby covenants and agrees that no Floor Area that would be attributable to Parcel 5A were Parcel 5A considered a separate development parcel

shall be transferred to or used on Parcel 5C, and no Floor Area that would be attributable to Parcel 5C were Parcel 5C a separate development parcel shall be transferred to or used on Parcel 5A.

3. The Parties hereby reserve and retain all development rights attributable to their respective Parcels, including without limitation the rights to use and develop all Floor Area that would be attributable to each Parcel were such Parcel a separate and distinct parcel under Section 62-353 of the Zoning Resolution, including without limitation the right to obtain certain Floor Area bonuses under Section 62-352(b) of the Zoning Resolution for the provision of on-site or off-site housing for "lower income households" (as such term is defined in Section 62-352(a) of the Zoning Resolution), and the Parties shall have the further right to apply for and obtain extended tax benefits for such housing pursuant to Section 421-a of the New York State Real Property Tax Law, Section 11-245.1 of the New York City Administrative Code, and Chapter 6 of Title 28 of the Rules of the City of New York.

4. The parties hereby covenant and agree that the provisions of the Zoning Resolution governing waterfront public access and visual corridors and waterfront access plans shall apply to each Parcel as if such Parcel were a separate and distinct development parcel under the Zoning Resolution.

5. This Declaration and the covenants and agreements contained herein may not be modified except by written agreement executed by all Parties, such agreement to be in writing and in recordable form, provided that in the event that Greenpoint or an affiliate of Greenpoint acquires title to Parcel 5B, the provisions of Paragraph 2, Paragraph 3 and Paragraph 4 hereof shall automatically terminate and be of no further force or effect, and Greenpoint shall have the right without the consent of any other party, to unilaterally record an instrument in the Office of the

City Register against the Property, providing notice that such provisions of this Declaration have been terminated and are of no further force or effect.

6. The covenants and agreements contained in this Declaration shall run with the land and shall be binding upon and shall benefit the successors and assigns of the Parties. Any reference to any of the Parties in this Declaration shall be deemed to include any successors and assigns of such Party with respect to all or any portion of the Property, for such period of time as such successor or assign holds any interest in the Property. This Declaration shall be binding on the Parties upon its execution by both Parties.

IN WITNESS WHEREOF, the Parties hereto have executed this instrument as of this 27 day of May 2005.

GREENPOINT LANDING ASSOCIATES, L.L.C.

By: _____

THE CITY OF NEW YORK

_____

By:

Approved as to Form

_____

Corporation Counsel

STATE OF NEW YORK)
) ss.:
COUNTY OF NEW YORK)

On the 27 day of MAY in the year 2005, before me, the undersigned, a Notary Public in and for said State personally appeared GEORGE KLEIN, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(~~s~~) whose name(~~s~~) is (~~are~~) subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ capacity~~(ies)~~, and that by his/~~her/their~~ signature(~~s~~) on the instrument, the individual(~~s~~), or the person upon behalf of which the individual(~~s~~) acted, executed the instrument.

(Signature and office of person taking acknowledgment)

BEVERLY KEITZ
Notary Public, State of New York
No. 01KE4527106
Qualified in New York County
Commission Expires Jan. 27, 20 07

City Register against the Property, providing notice that such provisions of this Declaration have been terminated and are of no further force or effect.

6. The covenants and agreements contained in this Declaration shall run with the land and shall be binding upon and shall benefit the successors and assigns of the Parties. Any reference to any of the Parties in this Declaration shall be deemed to include any successors and assigns of such Party with respect to all or any portion of the Property, for such period of time as such successor or assign holds any interest in the Property. This Declaration shall be binding on the Parties upon its execution by both Parties.

IN WITNESS WHEREOF, the Parties hereto have executed this instrument as of this 27th day of May 2005.

GREENPOINT LANDING ASSOCIATES, L.L.C.

By:

THE CITY OF NEW YORK

By: Daniel L. Lorstroff

Approved as to Form

Acting Corporation Counsel

ffny01\meyerme\497719.7

STATE OF NEW YORK)
) ss.:
COUNTY OF NY)

On the 27th day of MAY in the year 2005, before me, the undersigned, a Notary Public in and for said State personally appeared Daniel Dobroff, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

(Signature and office of person taking acknowledgment)

JEAN A. ROSS
Notary Public, State of New York
No. 31-5007029
Qualified in New York County
Commission Expires May 10, 2007

SEAL

ffny01\meyerme\497719.7

EXHIBIT A

Description of Property

PARCEL A

SCHEDULE A

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at a point on the northwesterly side of Commercial Street distant 663 feet 3 inches southwesterly from the westerly side of Manhattan Avenue measured along the northwesterly side of Commercial Street which point of beginning is where the southwesterly side of the land now or formerly of B & Q Service Company Inc. intersects the northwesterly side of Commercial Street;

RUNNING THENCE southwesterly along the northwesterly side of Commercial Street 652.50 feet to the northeasterly side of land appropriated by the State of New York on or about July 3, 1912 for a Barge Canal Terminal (being the center line of old Blue Street now closed);

THENCE northwesterly along the northeasterly side of said land and along the center line of old Blue Street now closed 511.49 feet to the pierhead line as approved by the Secretary of War July 22, 1916;

THENCE northeasterly along said pierhead line 290.27 feet to an angle therein;

THENCE still northeasterly along said pierhead line 360.24 feet to the land now or formerly of B & Q Service Company Inc.;

THENCE southeasterly along said land now or formerly of B & Q Service Company Inc. 510.73 feet to the northwesterly side of Commercial Street at the point or place of BEGINNING.

SCHEDULE A
AMENDED MAY 17, 2001

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at a point formed by the intersection of the center line of Commercial Street as established at the time of the acquistion of the property herein described by the state of New York between Franklin and West streets and the center line of West street, as established at the time of the acquistion of the property herein described by the state of New York between Dupont and Eagle streets;

THENCE from said point of beginning, southerly and south-easterly along the aforesaid center line of West street, one hundred eighteen and fifty-six hundredths feet to a point formed by the intersection of said center line of West street an a line parallel to the southerly side of Dupont street as laid out west of West street and distant ninety-five feet southerly therefrom;

THENCE along said line eight hundred fifty-five and seventy-five hundredths feet to a point in the pierhead line as established at the time of the acquistion of the property herein described by the state of New York by law;

THENCE northerly, northeasterly and easterly along said pierhead line, one thousand sixty-nine and thirty-two hundredths feet more or less to a point where the center line of Blue street as established at the time of the acquistion of the property herein described by the state of New York, if extended, would intersect the aforesaid pierhead line;

THENCE southerly and southeasterly along said center line of Blue street two hundred thirty-seven and twelve hundredths feet to a point in the westerly line of lands conveyed by the state of New York to the city of New York by letters-patent dated February thirteen, nineteen hundred forty-two;

THENCE south thirty-seven degrees, four minutes, seventeen seconds west, along said westerly line of lands conveyed as aforesaid, one hundred fifty-three and thirty-two hundredths feet;

THENCE continuing along said line of lands conveyed as aforesaid, the following several courses to said center line of Commercial street aforesaid, south seven degrees, eight minutes, forty-three seconds east, thirty-two and thrity-seven hundredths feet;

THENCE north eighty-two degrees, fifty-one minutes, seventeen seconds east, forty-three feet;

THENCE south seven degrees, eight minutes, forty-three seconds east, seventy feet;

THENCE south eighty-two degrees, fifty-one minutes, seventeen seconds west, forty-three feet;

THENCE south seven degrees, eight minutes, forty-three seconds east, seventy-seven feet;

THENCE south fifty degrees, thirteen minutes, forty-eight seconds east, seventy-three and four hundredths feet;

SCHEDULE A
AMENDED MAY 17, 2001

THENCE north eighty-two degrees, fifty-one minutes, seventeen seconds east, seventy-three and fifty-three hundredts feet to a point in said center line of Commercial street as aforesaid;

THENCE south fifty-four degrees, twenty-five minutes, forty-seven seconds west, along said center line of Commercial street, seventy-five and seventy-eight hundredths feet to the point of BEGINNING.

PARCEL C

Title No.: TS-4000441-B

SCHEDULE A

ALL that parcel of land in the Seventeenth Ward of the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at the point of intersection of the center line of Commercial Street with the northerly line of Dupont Street;

THENCE South eighty-two degrees, fifty-one minutes, seventeen seconds West, seventy-three and fifty-three one-hundredths feet;

THENCE North fifty degrees, thirteen minutes, forty-eight seconds West, seventy-three and four one-hundredths feet;

THENCE North seven degrees, eight minutes, forty-three seconds West, seventy-seven feet;

THENCE North eighty-two degrees, fifty-one minutes, seventeen seconds East, forty-three feet;

THENCE North seven degrees, eight minutes, forty-three seconds West, seventy feet;

THENCE South eighty-two degrees, fifty-one minutes, seventeen seconds West, forty-three feet;

THENCE North seven degrees, eight minutes, forty-three seconds West, thirty-two and thirty-seven one hundredths feet;

THENCE North thirty-seven degrees, four minutes, seventeen seconds East, one hundred fifty-three and thrity-two one-hundredths feet to an intersection with the center line of Blue Street;

THENCE along said center line South thirty-five degrees, thirty-four minutes, thriteen seconds East, three hundred nine and nine one-hundredths feet to an intersection with the center line of Commerical Street;

THENCE along said center line South fifty-four degrees, twenty-five minutes, forty-seven seconds West, one hundred forty-eight and fifty-three one-hundredths feet to the point of BEGINNING.

PARCEL C (cont)

SCHEDULE A
AMENDED 10/26/01

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at the intersection of the center line of Freeman Street with the westerly side of West Street;

RUNNING THENCE northerly along the westerly side of West Street, 290 feet to the northerly side of Eagle Street;

THENCE easterly along the northerly side of Eagle Street, 255 feet;

THENCE northerly parallel with Franklin Street, 100 feet;

THENCE easterly parallel with Eagle Street, 200 feet to the westerly side of Franklin Street;

THENCE northerly along the westerly side of Franklin Street, 100 feet to the southerly side of Dupont Street;

THENCE westerly along the southerly side of Dupont Street, 295 feet;

THENCE southerly and parallel with the aforementioned westerly side of Franklin Street, 90 feet;

THENCE westerly and parallel with the aforementioned southerly side of Dupont Street, 130 feet to a point in the center line of West Street, as projected northerly from Eagle Street;

THENCE southerly along the center line of West Street, as projected 5 feet;

THENCE westerly along the southerly line of land taken for the State Barge Canal Terminal to the pierhead line approved by The Secretary of War on November 20, 1940;

THENCE generally in a southerly direction along the said pierhead line and along the pier line established by Chapter 628 of the Laws of 1886 to a point where the northerly line of Freeman Street, if extended westerly, would intersect the said pierhead line;

THENCE easterly along the northerly side of Freeman Street so as extended, 420 feet to the exterior bulkhead line;

THENCE southwesterly along the said bulkhead line, 30 feet 1 3/8 inches to the center line of Freeman Street as proposed; and

THENCE easterly along said center line of Freeman Street, 637 feet 7 1/2 inches to the point or place of BEGINNING.

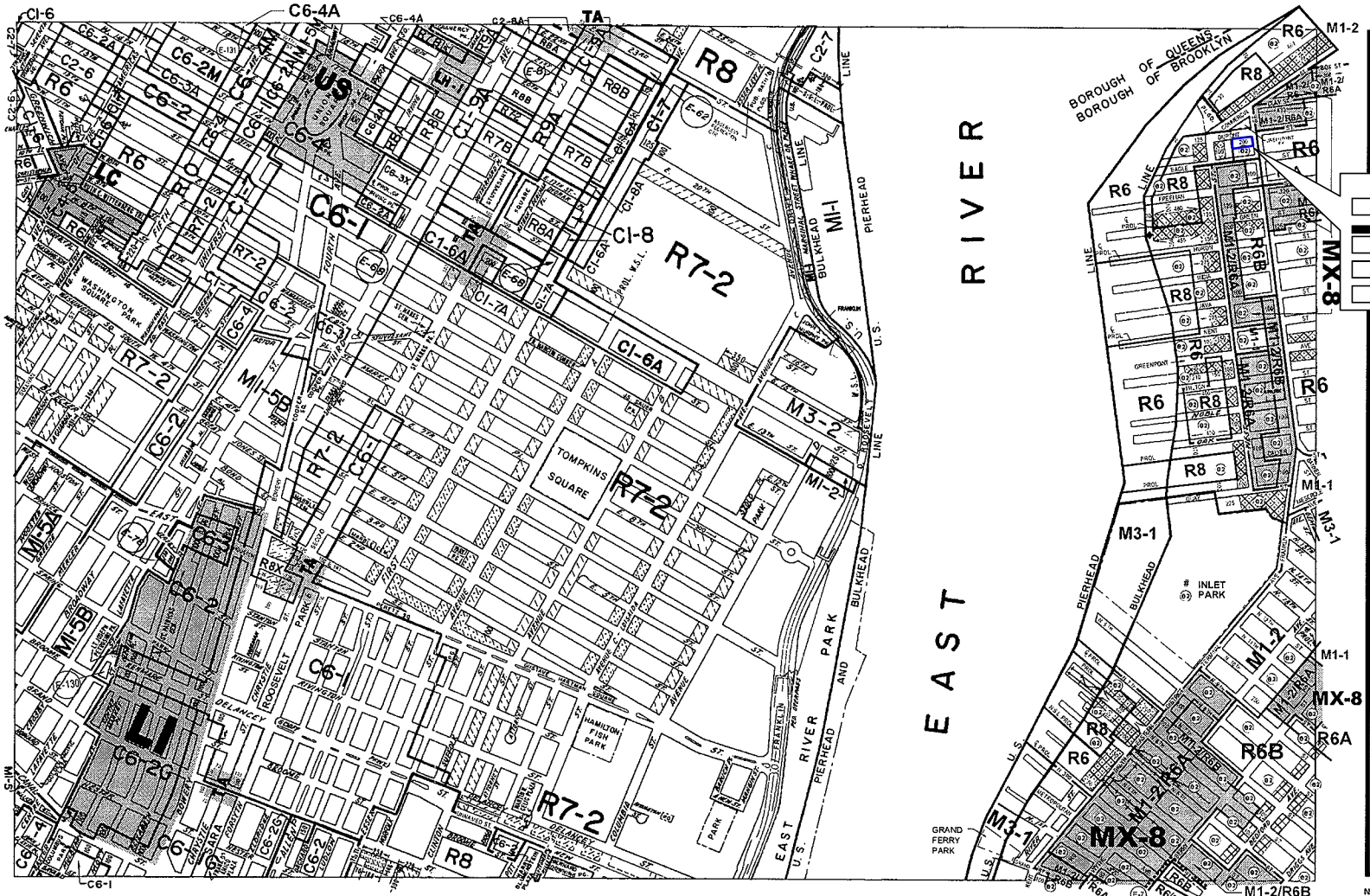
SCHEDULE A
AMENDED 10/25/01

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

Bounded on the north by Freeman Street and the westerly prolongation thereof, bounded on the east by West Street, bounded on the south by the center line of the block between Green Street as formerly laid on the Map of the City of Brooklyn and Huron Street and the westerly prolongation thereof, and bounded on the west by the East River.

Together with all right title and interest in and to the lands under the waters of the East River in front of and adjoining said premises, to the pierhead line as established in 1957.

Click blue box on map to view sketch map of **proposed** map change


C1-6
C6-4A
C6-4A
C2-8A
TA
R8
C2-7
C6-2M
C6-3A
C6-2
R6
C6-2A
C6-4
US
C6-4A
LI-1
R8B
R8B
C1-5A
R7B
R9A
R7B
C1-7
C6-1
LC
R6
R7-2
C1-8
R7-2
C1-6A
C1-6A
C1-7A
C1-6A
R8A
C1-6A
C1-7A
C6-2A
C6-3X
C6-4
R7-2
M1-5B
C6-2
M1-5A
R7-2
C6-1
R8X
TA
M1-5B
C6-2
C6-1
LI
C6-2G
C6-4
C6-2
C6-2G
C6-1
C6-4A
C6-1
C6-2G
C6-2
R8
R7-2
R7-2
TOMPKINS SQUARE
M3-2
M1-2
M1-1
M3-1
M1-2
MX-8
R6A
R6B
M1-2/R6A
M1-2/R6B
MX-8
M3-1
M1-2
M1-1
M3-1
M1-2/R6B
R6A
R6B
R6
R8
R6
R8
R6
R8

ASTM E1527-05
X3. USER QUESTIONNAIRE

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments")*, the *user* must provide the following information (if available) to the *environmental professional* completing the Phase I. Failure to provide this information could result in a determination that *"all appropriate inquiry"* is not complete.

Site Name and Location:: **Block 2494, Lot 1**
Brooklyn, NY 11222

(1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).
Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?

Answer: None known.

(2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).
Are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

Answer: None known.

(3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
As the *user* of the *ESA* do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Answer: None known.

***(4)* Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).**
Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property?*

Answer: Not applicable at this time.

(5) Commonly know or reasonably *ascertainable* information about the *property* (40 CFR 312.30).
Are you aware of commonly known or *reasonably acertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user*,
(a) Do you know the past uses of the *property?*
(b) Do you know the specific chemicals that are present or once were present at the *property?*
(c) Do you know of spills or other chemical releases that have taken place at the *property?*
(d) Do you know of any environmental cleanups that have taken place at the *property?*

Answer: None known.

(6) The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
As the *user* of this *ESA*, based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence of likely presence of contamination at the *property?*

Answer: None known.

User Answers Provided By: Ms. Anna Ciecierska, IEH
Industrial and Environmental Hygiene Division
New York City School Construction Authority
30-30 Thomson Ave Long Island City, New York 11101
Date: June 10, 2008

APPENDIX L

RECORDS OF COMMUNICATIONS & AGENCY CORRESPONDENCE

1430 Broadway
10th Floor
New York, NY 10018

212.221.7822 PHONE
212.221.7840 FAX

www.TRCsolutions.com

May 16, 2008

Freedom of Information Officer
New York City Department of Environmental Protection
59-17 Junction Boulevard
Flushing, New York 11373

VIA FACSIMILE: (718) 595-6543

Re: Freedom of Information Request
Block 2494 Lot 1,
Brooklyn, New York 11222

Sir/Madam:

Under the provision of the New York Freedom of Information Law (Article 6, Public Officers Law) to request access to certain information available from your agency. I would like to receive information regarding the known or potential environmental and public health hazards posed by the site located at the following addresses:

Block, Lot	Address(s)
Block 2494, Lot 1	• 14-20 Dupont Street, Brooklyn, New York 11222 • 235-241 Franklin Street, Brooklyn, New York 11222

Specifically, I would like to obtain:

- A summary of any record of decision regarding the investigation or clean up of the site;
- Notification of the lead agency that is primarily responsible for investigating and cleaning up the site;
- Notification of any legal action involving the site;
- Detailed reports, monitoring data, regulatory non-compliance notices, documents or studies regarding any pollution problems at this site, and how I may obtain copies of them or review them in person.

If there are any fees imposed for searching or copying the materials I have requested, please inform me of that fact before filling this request. I would appreciate your handling this request as quickly as possible. Thank you for your attention. I await your reply.

Sincerely,

TRC Engineers, Inc.

Angela Hernandez
Environmental Scientist

cc: File

1430 Broadway
10th Floor
New York, NY 10018

212.221.7822 PHONE
212.221.7840 FAX

www.TRCsolutions.com

May 16, 2008

Attention: Wanda Calderon
Freedom of Information Officer
U.S. EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007-1866

VIA FACSIMILE (212) 637-5046

Re: Freedom of Information Request
Block 2494 Lot 1,
Brooklyn, New York 11222

Madam:

Under the provision of the New York Freedom of Information Law (Article 6, Public Officers Law) to request access to certain information available from your agency. I would like to receive information regarding the known or potential environmental and public health hazards posed by the site located at the following Street Addresses in Brooklyn, New York:

Block, Lot	Address
Block 2494, Lot 1	• 14-20 Dupont Street, Brooklyn, New York 11222 • 235-241 Franklin Street, Brooklyn, New York 11222

Specifically, I would like to obtain:

- A summary of any record of decision regarding the investigation or clean up of the site;
- Notification of the lead agency that is primarily responsible for investigating and cleaning up the site;
- Notification of any legal action involving the site;
- Detailed reports, monitoring data, regulatory non-compliance notices, documents or studies regarding any pollution problems at this site, and how I may obtain copies of them or review them in person.

If there are any fees imposed for searching or copying the materials I have requested, please inform me of that fact before filling this request. I would appreciate your handling this request as quickly as possible. Thank you for your attention. I await your reply.

Sincerely,
TRC Engineers, Inc.

Angela Hernandez
Environmental Scientist

cc. File

1430 Broadway
10th Floor
New York, NY 10018

212.221.7822 PHONE
212.221.7840 FAX

www.TRCsolutions.com

May 16, 2008

Records Assessment Officer
New York State Department of Health
Corning Tower Room 2348
Albany, NY 12237-0044

VIA FACSIMILE (518) 486-9144

Re: Freedom of Information Request
Block 2494 Lot 1,
Brooklyn, New York 11222

Sir/Madam:

Under the provision of the New York Freedom of Information Law (Article 6, Public Officers Law) I would like to request access to certain information available from your agency. I would like to receive information regarding the known or potential environmental and public health hazards posed at by the site located at the following addresses:

Block, Lot	Address(s)
Block 2494, Lot 1	• 14-20 Dupont Street, Brooklyn, New York 11222 • 235-241 Franklin Street, Brooklyn, New York 11222

Specifically, I would like to obtain:

- Status and description of any reported petroleum spills or tanks;
- Copies of any record of decision regarding investigation or clean up of the site;
- Notification of the lead agency that is primarily responsible for investigating and cleaning up the site;
- Notification of any legal action involving the site;
- Detailed reports, monitoring data, regulatory non-compliance notices, documents or studies regarding any pollution problems at this site, and how I may obtain copies of them or review them in person.

If there are any fees imposed for searching or copying the materials I have requested, please inform me of that fact before filling this request. I would appreciate your handling this request as quickly as possible. Thank you for your attention. I await your reply.

Sincerely,
TRC Engineers, Inc.

Angela Hernandez
Environmental Scientist

cc: File

1430 Broadway
10th Floor
New York, NY 10018

212.221.7822 PHONE
212.221.7840 FAX

www.TRCsolutions.com

May 16, 2008

Gloria Silva
Foil Secretary
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, New York 11101

VIA FACSIMILE: (718) 482-6729

Re: Freedom of Information Request
Block 2494 Lot 1,
Brooklyn, New York 11222

Madam:

Under the provision of the New York Freedom of Information Law (Article 6, Public Officers Law) to request access to certain information available from your agency. I would like to receive information regarding the known or potential environmental and public health hazards posed by the site located at the following addresses:

Block, Lot	Address(s)
Block 2494, Lot 1	• 14-20 Dupont Street, Brooklyn, New York 11222 • 235-241 Franklin Street, Brooklyn, New York 11222

Specifically, I would like to obtain:

- Status and description of any reported petroleum spills or tanks;
- Copies of any record of decision regarding investigation or clean up of the site;
- Notification of the lead agency that is primarily responsible for investigating and cleaning up the site;
- Notification of any legal action involving the site;
- Detailed reports, monitoring data, regulatory non-compliance notices, documents or studies regarding any pollution problems at this site, and how I may obtain copies of them or review them in person.

If there are any fees imposed for searching or copying the materials I have requested, please inform me of that fact before filling this request. I would appreciate your handling this request as quickly as possible. Thank you for your attention. I await your reply.

Sincerely,
TRC Engineers, Inc.

Angela Hernandez
Environmental Scientist

cc: File

1430 Broadway
10th Floor
New York, NY 10018

212.221.7822 PHONE
212.221.7840 FAX

www.TRCsolutions.com

May 16, 2008

Records Assessment Officer
New York City Department of Health and Mental Hygiene
Environmental Health Services
125 Worth Street, Room 601 CN 31
New York, NY 10013

VIA FACSIMILE (212) 442-8965

Re: Freedom of Information Request
Block 2494 Lot 1,
Brooklyn, New York 11222

Sir/Madam:

Under the provision of the New York Freedom of Information Law (Article 6, Public Officers Law) to request access to certain information available from your agency. I would like to receive information regarding the known or potential environmental and public health hazards posed by the site located at the following addresses:

Block, Lot	Address(s)
Block 2494, Lot 1	• 14-20 Dupont Street, Brooklyn, New York 11222 • 235-241 Franklin Street, Brooklyn, New York 11222

Specifically, I would like to obtain:

- Status and description of any reported petroleum spills or tanks;
- Copies of any record of decision regarding investigation or clean up of the site;
- Notification of the lead agency that is primarily responsible for investigating and cleaning up the site;
- Notification of any legal action involving the site;
- Detailed reports, monitoring data, regulatory non-compliance notices, documents or studies regarding any pollution problems at this site, and how I may obtain copies of them or review them in person.

If there are any fees imposed for searching or copying the materials I have requested, please inform me of that fact before filling this request. I would appreciate your handling this request as quickly as possible. Thank you for your attention. I await your reply.

Sincerely,
TRC Engineers, Inc.

Angela Hernandez
Environmental Scientist

cc: File

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Tank Request Form

OFFICE USE ONLY
Cashier / Search No.

SECTION A **CUSTOMER INFORMATION**

Please print your address and contact telephone number.

Angela Hernandez
Name

1430 Broadway 10th Fl.
Address

NY 10018
State Zip Code

(212) 221-7822 x148
Telephone Number

Processing may take time, please choose one option below:
I will wait for it ☐ I will it pick-up ☐ Mail it to my address ☑

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order (made payable to the NYC Fire Department) and a self-addressed envelope (with postal stamp). Mail checks or money orders directly to the address and unit listed above. DO NOT MAIL CASH. Cash payments can only be made in person and accepted by our Cashiers Office (9am –3pm).

SECTION B **PLEASE PRINT THE ADDRESS TO BE SEARCHED.**

1420 Dupont Street (AKA 235-241 Franklin Street) Brooklyn
House Number Street Name Borough

CUSTOMER – PLEASE READ THE INFORMATION BELOW.

A CERTIFIED REPORT WILL BE MAILED TO THE ADDRESS YOU HAVE PROVIDED WITHIN TEN (10) BUSINESS DAYS AFTER DATE SUBMITTED. COMPUTER PRINTOUTS WILL BE PROVIDED ONLY UPON REQUEST.

After you have received the certified report, you may request a certified computer printouts and/or a copy of any related record for an additional fee of $0.25 (cents) / per page. The fee for individual copies can only be determined after this search has been completed and you have received the related report. All payments are non-refundable.

Note: All listed tank information come from records, which exist in the FDNY District Office Folders and computer files. Also, please be advised that this search will not include records manually kept by Fire or Engine Companies, unless a summons for "Failure to Comply" was issued.

SECTION C **FUEL (HEATING) OIL TANKS - FEE $10.00 / PER REPORT**

If you would like to obtain a certified report, please complete this section by checking one or more boxes from the selection below.

☑ ITEM 1 – THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS (includes installation date)

☑ ITEM 2 – THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS

☐ ITEM 3 – OTHER: _____

For Office Use Only – Do not write in this section.

Searched By: _____ Date: ___/___/___

(PLEASE SEE OTHER SIDE OF FORM)

SECTION D **BURIED MOTOR VEHICLE TANKS - FEE $10.00 / PER REPORT**

If you would like to obtain a certified report, please complete this section by checking one or more boxes from the selection below.

- [x] ITEM 1 – THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [x] ITEM 2 – THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- [ ] ITEM 3 – MOST RECENT TANK / PIPING TEST RESULTS (includes type of test performed)
- [ ] ITEM 4 – HISTORY OF BURIED MOTOR VEHICLE TANKS LEAKS
- [ ] ITEM 5 – OTHER: _____

For Office Use Only – Do not write in this section.

Searched By: _____ Date: ___/___/___

SECTION E **PLEASE READ STATEMENT AND SIGN BELOW.**

I have read all of the instructions and clearly understand all of the information listed in each completed section.

Customer / Signature: _____ Date: 5/16/08

For Office Use Only – Do not write in this section.

Total Amount

Accepted by / Initials: _____ Date: ___/___/___

Certification Stamp

Electronic Stamp Below – Date / Time Received

APPENDIX M

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

CHARLES N. GUDER

EDUCATION
B.S., Chemical Engineering, Manhattan College, 1991

AREAS OF EXPERTISE
Mr. Charles N. Guder has program management and technical e□perience in the □ollowing general areas:

- Pro□ect Management
- E□it Strategies
- Remedial Investigation Work Plan Preparation and Implementation
- Remedial Activity Oversight and Management
- Remedial Design
- Brown□ields Initiatives
- Environmental Assessments and Audits
- Industrial Hygiene
- Regulatory Compliance
- Permitting
- E□uipment Decommissioning
- Structure Demolition

REPRESENTATIVE EXPERIENCE
Mr. Guder has over 15 years o□e□perience and progressive responsibility in environmental consulting. His □uali□ications include pro□ect scoping, budgeting, management, implementation, reporting, health and sa□ety and close-out o□large scale, multi-□aceted environmental pro□ects. Mr. Guder□s background includes e□tensive service to public and private-sector clientele including the NYCSCA, AIMCO, Consolidated Edison, NYCDOT, Nestle USA, and CS□ Transportation. He currently serves in the capacity o□Senior Pro□ect Manager in the Hazardous Materials Services Division with responsibility □or pro□ect management and implementation o□diverse environmental pro□ects.

Consolidated Edison Company of New York, First Avenue Properties – New York, NY (Site Manager: 2001 – 2006)
Mr. Guder served as the □ull time Site Manager overseeing and managing the decommissioning, demolition, and site remediation o□the 7-acre Waterside Steam Generating Station site located in Midtown Manhattan. □ey components o□the work directly managed by Mr. Guder included the asbestos abatement o□ two circa-1900 steam and electric generating station, the removal o□a 255,000 gallon □uel oil underground storage tank, decommissioning and removal o□acid and caustic tanks, demolition o□three steel and brick smokestacks, demolition o□ si□eight-story high boilers, sealing o□twelve-□oot diameter cooling water tunnels, remedial investigations, e□cavation and disposal o□20,000 tons o□contaminated soil, and sheeting and shoring o□the sites to protect ad□acent roadways and

public right-of-ways. Mr. Guder oversaw a peak work force of two hundred trades-people, enforced health and safety provisions and plans, participated in public meetings and outreach initiatives, developed work plans, and interacted and negotiated with regulatory agencies overseeing the work.

New York City School Construction Authority, Environmental Consulting Services – New York, NY (Project Manager: 1997 – 1999 and 2006)
Mr. Guder serves as the Project Manager of a comprehensive environmental services multi-year, task order contract providing environmental site assessments and site investigations to determine the suitability of sites in New York City for use as public school facilities. Mr. Guder also performs petroleum bulk storage tank management, hazardous material investigations, and indoor air quality assessments for existing schools as part of this contract.

AIMCO, Environmental Due Diligence of West Harlem Portfolio – New York, NY (Project Manager: 2006)
Mr. Guder serves as the Project Manager for environmental due diligence performed for the proposed acquisition of 85 apartment buildings located throughout West Harlem, New York. Due diligence activities performed in each of the buildings included an asbestos survey, a Phase I Environmental Site Assessment, and radon sampling. Mr. Guder oversaw a multi-disciplined inspection team and generated reports for each of the properties within an expedited two-month time frame.

HOK Sport, Pre-Demolition Survey of Shea Stadium – Flushing, New York (Project Manager: 2006)
Mr. Guder serves at the Project Manager for pre-demolition survey activities for Shea Stadium, the home of the New York Mets, in preparation for the upcoming new stadium construction. Pre-demolition survey activities consisted of asbestos surveys and hazardous materials inventory preparation and the preparation of biddable plans and specifications for asbestos abatement and hazardous materials removal.

Nestle USA, Inc., **Environmental Site Assessments at Manufacturing Facilities, –Various Locations (Project Manager: 1998)**
Mr. Guder served as the Project Manager responsible for assisting the Nestle USA environmental department in performing Pre-Divestiture and Pre-Acquisition environmental assessments for various properties in the United States. Mr. Guder provided consulting on regulatory implications and environmental liabilities based on current and historical property usage. Mr. Guder also completed subsurface investigations to define potential environmental conditions.

Metro-North Railroad, Metro-North Croton-Harmon Maintenance Facility Rehabilitation Design – Croton, New York (Environmental Engineer: 1998-1999)

Mr. Guder □unctioned as the environmental task leader □or a multi-disciplinary design team in the design o□the reconstruction o□Metro-North Railroad□s largest maintenance and repair □acility. Mr. Guder was responsible □or the oversight and design review o□□our environmental subconsultant team members. Design work included oil-water separator design, petroleum bulk storage tank decommissioning and □abrication design, and development o□a GIS/□ey database. Additionally, Mr. Guder negotiated with regulatory agencies on client□s behal□to obtain dewatering discharge approvals and the reuse o□soils on site.

Consolidated Edison Company of New York, Industrial Hygiene Services – New York, NY (Project Manager: 1997 – 1999)
Mr. Guder served as the Pro□ect Manager □or a multi-year task order contract providing comprehensive industrial hygiene services including indoor air □uality and employee e□posure assessments. Mr. Guder was responsible □or budgeting, health and sa□ety, implementation, report preparation, invoicing, and pro□ect closeouts.

New York City Department of Environmental Protection, Underground Storage Tank Program, Various Water Pollution Control Plants – New York City, NY (Project Manager: 1998)
Mr. Guder managed a remedial design program □or underground storage tanks at various wastewater treatment plants throughout New York City. Mr. Guder developed sampling plans, per□ormed soil and groundwater investigations, reported and interpreted results, inter□aced and negotiated with NYSDEC, and presented a remedial strategy based on the □indings.

AMP Circuits, Facility Decommissioning – Riverhead, NY (Site Manager: 1995 –1996)
Mr. Guder □unctioned as the □ull-time Site Manager □or the decommissioning and dismantling o□a 100,000 s□uare □oot printed circuit board manu□acturing □acility. As part o□the planning process, Mr. Guder developed speci□ications and bid documents □or the complete □acility decommissioning. Mr. Guder managed the eight month duration □acility decommissioning two months ahead o□schedule and on budget.

Perini Contracting/NYCDOT, Environmental Oversight, Williamsburg Bridge Reconstruction – New York, NY (Environmental Engineer: 1995 – 1997)
Mr. Guder □unctioned as contract-re□uired environmental engineer □or the □120 M reconstruction o□Williamsburg Bridge south and transit roadways. Mr. Guder supervised the e□cavation, management, transportation, and disposal o□ appro□imately 10,000 tons o□lead and petroleum contaminated soils. Mr. Guder was also responsible □or the supervision o□dewatering operations, contractor health and sa□ety, building decommissioning, and underground storage tank removal.

SPECIALIZED TRAINING

- Forty-Hour OSHA Health and Safety Training, 1993
- Supervisory OSHA Health and Safety Training, 1995

Angela P. Hernandez

EDUCATION
M.S., Environmental Studies, Adelphi University, 2007
B.A., Anthropology, Adelphi University, 2006

AREAS OF EXPERTISE
Ms. Hernandez has experience in the following general areas:

- Environment Site Assessments and Audits
- Site Inspections and Remediation
- Forensic Anthropology
- Archaeology

REPRESENTATIVE EXPERIENCE
Ms. Hernandez's background includes four years of experience in forensic anthropology and archaeology and two years of experience in the field of environmental science. She has experience working as a forensic technician with the New York City Office of Emergency Management and New York Office of Chief Medical Examiner for the World Trade Center Recovery Project for Human Remains and Human Effects. She has served the New York City Urban Parks Department where she taught young children in the field of environmental science in such areas as ecology, conservation, and energy use. Ms. Hernandez's background also includes service to public and private-sector clients including the New York City School Construction Authority. She currently serves as an Environmental Scientist for TRC.

<u>Ferry Point Partners, Ferry Point Park – Bronx, NY (Environmental Scientist: 2007-2008)</u>
Ms. Hernandez serves as a scientist in support of the methane monitoring program occurring as part of the construction of a golf course on the site. Responsibilities include conducting biweekly methane monitoring sampling events in which more than sixty monitoring wells are analyzed for methane and oxygen concentrations using a portable gas detection meter.

<u>New York City School Construction Authority, New York City, NY (Environmental Scientist: 2007-2008)</u>
Ms. Hernandez served as an environmental scientist for the site assessments for new construction and alteration of New York City Public Schools. Responsibilities included the performance of Phase I Environmental Site Assessments and groundwater sampling.

SPECIALIZED TRAINING

- 40-hour OSHA Health and Safety Training (29 CFR 1910.120), 2007, University of Medicine and Dentistry New Jersey
- 10-hour OSHA Health and Safety Training, 2005, Adelphi University

PROFESSIONAL AFFILIATIONS

- Lambda Alpha National Anthropology Honor Society

SELECTED PUBLICATIONS AND PRESENTATIONS

Hernandez, Angela, Blackwood, J., & Banninger H, "Working with Ancient Human Skeletal Remains: A Contribution to the Scholarly Community", Adelphi University Research Conference, 2007. (Co-author)

Hernandez, Angela, Blackwood, J., & Banninger H, "Reconstructing the Past", Adelphi University Research Conference, 2006. (Co-author)

Agelarakis, A., *The Anthropology of Tomb A1K1 at Orthi Petra Eleutherna*, 2005. (Assisted in publication, research, and editing)

Phase II Environmental Site Investigation Report for the Proposed Public School at 235-241 Franklin Street, Brooklyn, New York, 11222, July 28, 2008, prepared by TRC Engineers, Inc.

PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

FOR THE

PROPOSED PUBLIC SCHOOL
235-241 FRANKLIN STREET
BROOKLYN, NEW YORK 11222
BLOCK 2494 LOT 1

SCA LLW NO.: 052122
SCA CONTRACT NO.: C00009699
SCA JOB NO.: KD14-28175

TRC ENGINEERS, INC. PROJECT NO.: 114707-0000-0095

July 28, 2008

Prepared by:

TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York, NY 10018
Phone: (212) 221-7822
Fax: (212) 221-7840
Attn: Mr. Charles Guder

Prepared for:

NYC SCA
30-30 Thomson Avenue
Long Island City, NY 11101-3045
Phone: (718) 472-8502
Fax: (718) 472-8297
Attn: Ms. Lee Guterman

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EXECUTIVE SUMMARY

At the request of the New York City School Construction Authority (NYCSCA), TRC Engineers, Inc. (TRC) conducted a Phase II Environmental Site Investigation (ESI) at the proposed school site located at 235-241 Franklin Street, Brooklyn, New York (hereafter referred to as the "Site"). The Site is improved with a one-story automobile repair facility, office trailer, and paved parking areas. The Site encompasses approximately 20,000-square feet in area. The Site building occupies an approximately 1,250 square foot footprint. TRC understands that the Site may be donated to New York City for development as a New York City public school.

TRC has concurrently performed a Phase I Environmental Site Assessment (ESA) of the Site for the NYCSCA. The Phase I ESA Report, dated June 2008, identified recognized environmental conditions (RECs) associated with the historic and current use of the Site as an automobile repair facility and garage; an "E"-designation for "underground storage tanks testing protocol" for the Site; the presence of oil staining on the Site; the presence of a possible underground storage tank (UST) and an aboveground storage tank (AST) on-Site; the historic presence of a dry cleaning facility, lumber yards, chemical facilities, commercial laundries, and automobile repair facilities in close proximity to the Site; the current presence of industrial facilities and an automobile repair facility in close proximity to the Site; one (1) New York State Spills Information Database (NY Spills)/Leaking Underground Storage Tanks (LTANKs) site with three (3) spill cases, including one (1) open case, adjacent to the Site; and the presence of an adjacent property with an "E"-designation for "underground storage tanks testing protocol".

The purpose of the Phase II ESI was to determine if the RECs identified in the Phase I ESA Report have affected the suitability of the Site for use as a school and to characterize the soil anticipated to be excavated during construction of the school. Phase II ESI field activities consisted of a geophysical survey, advancement of soil borings, installation of temporary well points, and the collection of subsurface soil, groundwater, ambient air, and soil vapor samples for laboratory analyses. Phase II ESI field activities were performed on May 27, 2008.

The geophysical survey did not reveal evidence of buried utilities or structures in the vicinity of the soil borings. However, major geophysical anomalies were encountered north of the existing Site building and west of the trailer. According to the geophysical surveyor, the anomalies could not be characterized due to excessive "geophysical noise" (i.e., parked cars, metallic surrounding objects). It is possible that one or more of the geophysical anomalies is representative of a UST(s). The "geophysical noise" also prevented the geophysical surveyor from clearing soil boring locations in the areas where the anomalies were encountered.

A total of five (5) soil borings were advanced on the Site and a total of nine (9) soil samples (at least one from each boring) were selected for laboratory analysis. The soil samples were analyzed for Target Compound List (TCL) and Spill Technology and Remediation Series (STARS) volatile organic compounds (VOCs), TCL and STARS semi-volatile organic compounds (SVOCs), and Resource Conservation and Recovery Act (RCRA) metals. Additionally, three soil samples, for pre-design waste classification purposes, were analyzed for TCL pesticides, TCL polychlorinated biphenyls (PCBs), cyanide, hexavalent chromium, and total petroleum hydrocarbons (TPH).

There were no PID readings recorded above 0.0 parts per million (ppm), and no visual or olfactory indications of contamination were observed in any of the soil samples collected. Fill material consisting

of ash, brick fragments, and silty sand, underlain by fill material consisting of light brown silty sand to a depth of at least 15 feet below ground surface (bgs) was encountered in the soil borings.

The results of the analyses of soil samples revealed detectable concentrations of naphthalene, SVOCs, and metals. The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, and phenanthrene and the metals arsenic, barium, cadmium, chromium, lead, and mercury were detected at concentrations above Unrestricted Use Soil Cleanup Objectives (SCOs) in one or more samples. The concentrations of SVOCs and metals detected are attributed to the characteristics of fill material at the Site. Since elevated concentrations of lead were detected in two (2) soil samples, the samples were additionally analyzed via Toxicity Characteristic Leachate Procedure (TCLP). The results of the TCLP lead analyses are below the regulatory limit. A total of five (5) groundwater samples (one from each soil boring) were collected for laboratory analysis. The five (5) groundwater samples were analyzed for TCL and STARS VOCs, TCL and STARS SVOCs, and RCRA metals (lab filtered). In addition, one (1) groundwater sample was analyzed for New York City Department of Environmental Protection (NYCDEP) Sewer Use Discharge Parameters.

Methyl tert-butyl ether (MTBE) was detected in one groundwater sample at a concentration exceeding the corresponding Class GA Guidance Value. The MTBE detected could be attributable to the historic on-Site use of gasoline tanks or to an off-site source since MTBE was not detected in any of the soil samples analyzed. Lead was detected in one groundwater sample at a concentration exceeding the corresponding Class GA Guidance Value. The presence of lead in groundwater at the Site can be attributed to the elevated concentrations of lead detected in fill material at the Site. The specific compounds detected in soil vapor above comparison levels were not detected at elevated levels (above standards or guidance values) in soil and groundwater samples collected at the Site. Therefore, the compounds detected in soil vapor are attributed to an off-site source in the surrounding area. Additionally, comparison of concentrations of VOCs detected with the New York State Department of Health (NYSDOH) Soil Vapor Guidance matrices indicates that monitoring and/or mitigation is not required. Finally, the laboratory analysis of the ambient air sample indicates that VOCs in ambient air are within the range of NYSDOH published background outdoor air values.

Based on the results of the Phase II ESI, implementing the remediation and environmental control measures listed below is required to make the Site suitable for use as a public school facility.

- USTs and any associated petroleum impacted soil, if encountered, should be excavated and disposed of in accordance with all federal, state, and local regulations.

- As a safeguard, to prevent potential VOCs in soil vapor from entering the new school building, a soil vapor barrier should be integrated into the new school design, including integration with any proposed water vapor barrier or waterproofing components of the new school design.

- If soils at the Site are excavated during construction activities, TRC recommends properly characterizing the material to identify material handling requirements and requirements for material reuse and/or waste disposal in accordance with all applicable federal, state, and local regulations.

- If excavation will be performed below the observed groundwater level, dewatering should be minimized to prevent the drawing in of potentially contaminated groundwater from the surrounding area.

- After the proposed new building and grounds are constructed, it is anticipated that there will be no exposed soil at the Site; however, if landscaped areas are incorporated into the development of the Site, a minimum 2-foot thick layer of environmentally clean fill should be placed over existing soil in those areas.

1.0 INTRODUCTION

1.1 Purpose

At the request of the New York City School Construction Authority (NYCSCA), TRC conducted a Phase II Environmental Site Investigation (ESI) for the proposed Public School, located at 235-241 Franklin Street, Brooklyn, New York 11222 (hereafter referred to as the "Site"). The Site is improved with a one-story automobile repair facility, office trailer, and paved parking areas. The Site encompasses approximately 20,000-square feet in area. The Site building occupies an approximately 1,250 square foot footprint. Historically, the Site was occupied by low-rise residential and commercial buildings (from at least 1887 to 1905), commercial buildings including a garage and automobile repair facility with pump house and gasoline underground storage tank (circa 1916), and lumber storage (from approximately 1942 to at least 1996). The current improvements (i.e., automobile repair facility, office trailer, and paved parking areas) have been in existence since at least 2001. *Figure 1* presents a Site Location Map.

This Phase II ESI was performed to determine if the Recognized Environmental Conditions (RECs) identified in the Phase I Environmental Site Assessment (ESA) Report have affected the suitability of the Site for use as a public school facility and to characterize the soil anticipated to be excavated for construction of the school facility. To accomplish this objective, a total of five (5) soil borings were advanced on the Site and a total of nine (9) soil samples (at least one from each boring) were submitted for laboratory analysis. Also, a temporary well point was installed in each boring and a groundwater sample was collected from each well point for laboratory analysis. Additionally, a soil vapor sample was collected at each soil boring location and submitted for laboratory analysis along with one ambient air sample.

1.2 Recognized Environmental Conditions

A Phase I ESA was performed by TRC concurrently with the Phase II ESI, due to site access constraints. The Phase I ESA Report, dated June 2008, identified RECs associated with the historic and current use of the Site as an automobile repair facility and garage; an "E"-designation for "underground storage tanks testing protocol" for the Site; the presence of oil staining on the Site; the presence of a possible underground storage tank (UST) and aboveground storage tank (AST) on-Site; the historic presence of a dry cleaning facility, lumber yards, chemical facilities, commercial laundries, and automobile repair facilities in close proximity to the Site; the current presence of industrial facilities and an automobile repair facility in close proximity to the Site; one (1) New York State Spills Information Database (NY Spills)/Leaking Underground Storage Tanks (LTANKs) site with three (3) spill cases, including one (1) open case, adjacent to the Site; and the presence of an adjacent property with an "E"-designation for "underground storage tanks testing protocol".

Based on the results of the Phase I ESA, TRC recommended a Phase II ESI to determine if the identified RECs have affected the suitability of the Site for use as a school.

2.0 DESCRIPTION OF PHASE II ESI FIELD ACTIVITIES

Phase II ESI field activities were performed on May 27, 2008 and consisted of the following:

- A geophysical survey to identify potential USTs and to verify that the proposed boring locations were clear of subsurface utilities and structures;
- Advancement of five (5) soil borings and continuous soil sampling to a depth of 15 feet below ground surface (bgs), and selection for laboratory analysis of at least one discrete soil sample from each boring;
- Installation of five (5) temporary well points, each terminating at a depth of approximately 17 feet bgs, in the five soil borings, and collection and analysis of a groundwater sample from each well point;
- Advancement of five (5) soil vapor probes, each to a depth of 5 feet bgs, and collection and analysis of a soil vapor sample from each vapor probe.
- Collection and analysis of one (1) ambient air sample.

The Phase II ESI was conducted in general accordance with TRC's Phase II ESI Scope of Work dated April 15, 2008. The scope of the field activities and methods are described below.

2.1 Geophysical Survey

A geophysical survey was performed on May 27, 2008 by NOVA Geophysical Services of Douglaston, New York to identify potential USTs and to verify that the proposed sample locations were clear of subsurface structures and utilities. The geophysical survey equipment included ground penetrating radar and a magnetometer. Surveyed areas included the areas surrounding the sample locations shown on *Figure 2* and all accessible areas of the Site. Sample locations were established in areas that did not conflict with subsurface structures or utilities.

2.2 Soil Vapor Survey

A soil vapor survey was conducted as part of the Phase II ESI. Soil vapor samples were collected to determine the concentration of volatile organic compounds (VOCs) in soil vapor. *Figure 2* shows the locations of the soil vapor survey points installed at the Site as part of the Phase II ESI. A total of five soil vapor samples (TRC-SG1, TRC-SG2, TRC-SG3, TRC-SG4, and TRC-SG5) were collected for laboratory analysis.

The soil vapor sampling program was completed on May 27, 2008. Aquifer Drilling and Testing, Inc. (ADT) of New Hyde Park, New York, was retained as a subcontractor by TRC for drilling services. A track mounted direct drive rig was used to install soil vapor sampling points. Soil vapor points were installed by advancing a 0.75-inch diameter hollow probe rod fitted with an expendable 6-inch diameter stainless steel screened drive point. Once the desired depth is reached, dedicated Teflon tubing with threaded fittings is connected to the probe. The hollow probe rod is then removed from the boring and an air tight seal is created at the surface using hydrated bentonite.

The adequacy of each seal was tested in accordance with the New York State Department of Health (NYSDOH)-approved method for sub-slab vapor sampling. A 5-gallon bucket was placed over the borehole and sealed from ambient air using bentonite. Helium tracer gas was then pumped into the bucket. The above-grade end of the tubing, which is the sample collection point, was then attached to a helium gas detector. The concept is that, if the seal is not tight, helium tracer gas could travel down the borehole and up the tubing to the sample collection point. Direct readings of helium of less than 10 percent were considered sufficient to verify a tight seal. The soil vapor points passed the seal integrity tests.

Each of the temporary soil vapor probes was purged of three volumes of air using a photoionization detector (PID). There were no detectable PID readings measured in any of the soil vapor probes. The Teflon tubing was connected to a laboratory-supplied individually certified SUMMA canister with a 0.1 liter per minute flow regulator for an approximately 60-minute sampling period. Upon completion each soil vapor point was backfilled to near grade surface with drill cuttings and/or well sand and the ground surface was restored with asphalt cold patch.

The five (5) soil vapor samples were analyzed for petroleum and solvent-related VOCs by United States Environmental Protection Agency (USEPA) Method TO-15 (low level sensitivity). The canisters were properly labeled and transported via courier to Contest Laboratories of East Longmeadow, MA utilizing standard chain-of-custody procedures. Contest Laboratories is a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. A summary of the analytical results is provided in Table 10 and a copy of the laboratory analytical results is attached in Appendix C.

2.3 Ambient Air Sampling

As part of this Phase II ESI, ambient air sampling was completed on May 27, 2008. Figure 2 presents the ambient air sampling location. One (1) ambient air sample was collected for laboratory analysis of VOCs. The ambient air sampling was completed to determine outdoor air background concentrations. At the time of the sampling, winds were from the west at approximately 5 miles per hour (mph).

The ambient air sample was collected from a height of 2.0 to 2.5 feet above grade surface utilizing an individually certified clean 6-liter stainless steel SUMMA canister fitted with a laboratory calibrated 0.1 liter per minute flow regulator for an approximately 60-minute sampling period. A reporting limit of less than 0.25 micrograms per cubic meter ($\mu g/m^3$) was achieved for carbon tetrachloride, trichloroethene, and vinyl chloride.

The ambient air sample was analyzed for petroleum and solvent-related VOCs by USEPA Method TO-15 (low level sensitivity). The canister was properly labeled and transported via courier to Contest Laboratories of East Longmeadow, MA utilizing standard chain-of-custody procedures. Contest Laboratories is a NYSDOH ELAP-certified laboratory. A summary of the analytical results is provided in Table 11 and a copy of the laboratory analytical results is attached in Appendix C.

2.4 Subsurface Soil Investigation

A soil sampling program was conducted as part of the Phase II ESI. Soil samples were collected to assess the current environmental conditions and to characterize subsurface soil at the Site. *Figure 2* shows the locations of the soil borings advanced at the Site as part of the Phase II ESI. A total of five (5) soil borings were completed and a total of nine (9) soil samples were selected for laboratory analysis.

The subsurface soil sampling program was completed on May 27, 2008. ADT was retained as a subcontractor by TRC for drilling services. Direct push drilling methods, utilizing a track mounted direct drive rig, were used to retrieve soil samples from the five (5) boring locations. Soil samples were collected continuously from the ground surface to approximately 15 feet bgs in 5-foot long, 2-inch diameter macro-core samplers lined with acetate sleeves. A description of the soils retained in each sample core was logged by TRC's on-site environmental scientist and the soils were screened in the field for the presence of VOCs with a PID. The soil boring logs are presented in *Appendix B.* Upon completion of each boring and collection of groundwater samples (refer to Section 2.8 below), each borehole was backfilled to near ground surface with the drill cuttings and then the ground surface was restored with asphalt cold patch. A description of each boring location is presented below.

- Soil boring TRC-SB1 was advanced west of the trailer at the northeast corner of the Site to approximately 15 ft bgs, representing the anticipated depth of excavation, for characterization of the soils. Discrete soil samples collected from 1 to 4 ft bgs and 4 to 8 ft bgs were selected for laboratory analysis.

- Soil boring TRC-SB2 was advanced near the northwest corner of the Site, to approximately 15 ft bgs, representing the anticipated depth of excavation, for characterization of the soils. Discrete soil samples collected from 1 to 4 ft bgs and 5 to 9 ft bgs were selected for laboratory analysis.

- Soil boring TRC-SB3 was advanced near the southwest corner of the Site, to approximately 15 ft bgs, representing the anticipated depth of excavation, for characterization of the soils. Discrete soil samples collected from 1 to 4 ft bgs and 4 to 8 ft bgs were selected for laboratory analysis.

- Soil boring TRC-SB4 was advanced west of the Site building near the southeast corner of the Site, to approximately 15 ft bgs, representing the anticipated depth of excavation, for characterization of the soils. A discrete soil sample collected from 1 to 4 ft bgs was selected for laboratory analysis.

- Soil boring TRC-SB5 was advanced near the center of the Site, to approximately 15 ft bgs, representing the anticipated depth of excavation, for characterization of the soils. Discrete soil samples collected from 1 to 4 ft bgs and 4 to 8 ft bgs were selected for laboratory analysis.

The nine (9) discrete soil samples selected for laboratory analysis were analyzed for Target Compound List (TCL) and Spill Technology and Remediation Series (STARS) VOCs, TCL and STARS semi-volatile organic compounds (SVOCs), and Resource Conservation and Recovery Act (RCRA) metals. In addition, in support of pre-design waste characterization objectives, three (3) discrete soil samples were additionally analyzed for TCL pesticides, polychlorinated biphenyls (PCBs), hexavalent chromium, cyanide, and total petroleum hydrocarbons (TPH). Also, two soil samples which exhibited elevated concentrations of lead (as discussed further below) were analyzed via the Toxicity Characteristic Leaching Procedure (TCLP) for lead.

There were no PID readings recorded above 0.0 parts per million (ppm), and no visual or olfactory indications of contamination were observed in any of the soil samples collected. Fill material consisting of ash, brick fragments, and silty sand, underlain by fill material consisting of light brown silty sand to a depth of at least 15 feet bgs was encountered in the soil borings.

PID responses throughout the depth of each boring and the laboratory analyses performed on the soil samples are summarized in Table 1, below.

Table 1
Summary of PID Screening Results and Soil Sample Analytical Plan

Soil Boring Identification Number	Boring Depth (ft bgs)	Depth of Sample Interval Selected for Analysis (ft bgs)	PID Reading (ppm)	TCL/STARS VOCs	TCL/STARS SVOCs	TCL Pesticides	TCL PCBs	RCRA Metals	TCLP Lead	Hexavalent Chromium	TPH	Cyanide
TRC-SB1	15.0	1 - 4	0.0	X	X			X				
		4 – 8	0.0	X	X	X	X	X		X	X	X
TRC-SB2	15.0	1 – 4	0.0	X	X			X				
		5 – 9	0.0	X	X			X	X			
TRC-SB3	15.0	1 – 4	0.0	X	X			X				
		4 – 8	0.0	X	X	X	X	X	X	X	X	X
TRC-SB4	15.0	1 - 4	0.0	X	X			X				
TRC-SB5	15.0	1 – 4	0.0	X	X			X				
		4 - 8	0.0	X	X	X	X	X		X	X	X

X - Sample analysis performed.

The samples were collected and containerized in accordance with New York State Department of Environmental Conservation (NYSDEC)/USEPA protocols. Each container was properly labeled, preserved, and placed in a cooler for transport via courier to Chemtech of Mountainside, New Jersey. Chemtech is a NYSDOH ELAP-certified analytical laboratory. Standard chain-of-custody procedures were followed.

2.5 Groundwater Investigation

A groundwater sampling program was conducted as part of the Phase II ESI. Groundwater samples were collected to assess the current environmental quality of groundwater at the Site. *Figure 2* shows the locations of the temporary well points (TWPs) installed at the Site as part of the Phase II ESI.

The groundwater sampling program was completed on May 27, 2008. ADT was retained as a subcontractor by TRC for drilling services. Five (5) TWPs were constructed by installing dedicated 1-inch diameter polyvinyl chloride (PVC) slotted screen in the 2-inch diameter 15-foot deep boreholes created during soil sampling. Groundwater samples were collected using a low flow peristaltic pump and dedicated Teflon-lined polyethylene tubing. Prior to the collection of groundwater samples, the head space was screened with a PID and then the TWPs were purged of a minimum of three well volumes. A groundwater sample was collected from each of the five (5) TWPs (TRC-GW1, TRC-GW2, TRC-GW3, TRC-GW4, and TRC-GW5).

PID readings were 0.0 ppm in each well head space, and no visual or olfactory indications of contamination were observed in any of the groundwater samples collected. The pH was monitored using a Horiba™ water quality meter during purging. The measured pH in the TWPs ranged from 6.8 to 7.4.

A summary of groundwater field screening results and the groundwater sample analytical plan is presented in the table below.

Table 2
Summary of Well Head Space PID Screening Results and Groundwater Sample Analytical Plan

TWP Identification Number	Depth to Water (ft bgs)	TWP Depth (ft bgs)	Well Head Space PID Reading (ppm)	TCL/STARS VOCs	TCL/STARS SVOCs	RCRA Metals (filtered)	NYCDEP Sewer Use Discharge Parameters
TRC-GW1	12.0	17	0.0	X	X	X	
TRC-GW2	12.5	17	0.0	X	X	X	
TRC-GW3	12.6	17	0.0	X	X	X	
TRC-GW4	11.7	17	0.0	X	X	X	
TRC-GW5	12.5	17	0.0	X	X	X	X

X - Sample analysis performed

The five (5) groundwater samples were analyzed for TCL and STARS VOCs, TCL and STARS SVOCs, and RCRA metals (lab filtered). In addition, one (1) groundwater sample (TRC-GW5) was analyzed for New York City Department of Environmental Protection (NYCDEP) Sewer Use Discharge Parameters. A trip blank sample was also submitted for analysis.

The samples were collected and containerized in accordance with NYSDEC/USEPA protocols. Each container was properly labeled, preserved, and placed in a cooler for transport via courier to Chemtech of Mountainside, New Jersey. Chemtech is a NYSDOH ELAP-certified analytical laboratory. Standard chain-of-custody procedures were followed. Upon completion each TWP was removed from the borehole, the borehole was backfilled to near grade surface with the drill cuttings and/or well sand, and then the ground surface was restored with asphalt cold patch.

3.0 SITE DESCRIPTION AND PHYSICAL CHARACTERISTICS

The Site is located at 235-241 Franklin Street, Brooklyn, New York 11222. The Site is improved with a one-story automobile repair facility, office trailer, and paved parking areas. The Site encompasses approximately 20,000-square feet in area. The Site building occupies an approximately 1,250 square foot footprint. The Site is bounded to the north by Dupont Street followed by a playground, to the south by a three-story residential building followed by Eagle Street, to the west by paved parking areas and the NYCDEP Newtown Creek Plant Sludge Storage facility, and to the east by Franklin Street followed by low-rise residential and commercial buildings. The Site is identified as Block 2494, Lot 1 on the New York Tax Assessor's map. Historically, the Site was occupied by low-rise residential and commercial buildings (from at least 1887 to 1905), commercial buildings including a garage and automobile repair facility with pump house and gasoline underground storage tank (circa 1916), and lumber storage (from approximately 1942 to at least 1996). The current improvements (i.e., automobile repair facility, office trailer, and paved parking areas) have been in existence since at least 2001. A site location map is shown on *Figure 1* and a sampling location plan is shown on *Figure 2*.

3.1 Topography

Based on field observations, the topography of the Site is generally flat. The topography of the surrounding area generally slopes downward to the west and downward to the north, towards the East River. According to the United States Geological Survey (USGS) 7.5-Minute Quadrangle Map (Brooklyn, NY 1995) and information contained in the regulatory agency database search report, the elevation of the Site property is approximately 12 feet above mean sea level (amsl).

3.2 Geology

The geology of Kings County consists of unconsolidated glacial deposits overlying crystalline bedrock. Based on available literature (Buxton, Soren, Posner, and Shernoff, 1981), the subsurface geology of the Site likely includes the following formations: Pleistocene upper glacial deposits, Gardiners Clay, Jameco Gravel, Cretaceous Raritan Formation consisting of sands and clays, and crystalline bedrock. The depth to crystalline bedrock for the area is estimated to be approximately 80 feet bgs.

According to "Geology of Staten Island and Western Long Island, Kings and Queens Counties, New York," by Geneva R. Roberts-Dolgin, the Site is underlain by glacial till that consists of a mixture of clay, silt, sand, gravel, and boulders. It is also likely that the soil underlying the Site consists of urban land due to New York City's long history of urban development. Urban land can be defined as soil that has been altered by human activities, thus making the soil unidentifiable.

There were no PID readings recorded above 0.0 ppm, and no visual or olfactory indications of contamination were observed in any of the soil samples collected. Fill material consisting of ash, brick fragments, and silty sand, underlain by fill material consisting of light brown silty sand to a depth of at least 15 feet bgs was encountered in the soil borings.

3.3 Hydrology

According to "United States Geologic Service (USGS) Fact Sheet FS134-97", the upper glacial aquifer is the uppermost hydrogeologic unit on Long Island and it consists of till deposits (clay, silt, sand, gravel, and boulders) along the north shore and outwash deposits (mostly sand, gravel, and clay) to the south.

The outwash deposits are highly permeable – horizontal hydraulic conductivity is estimated to be 270 feet per day (Franke and Cohen, 1972); till deposits are typically less than half as permeable (Smolensky and others, 1989; Buxton and Shernoff, 1995).

The Site is located approximately 500 feet east of the East River. Based on topography, the presence of the nearest surface water body, and information provided in the USGS Fact Sheet, the regulatory agency database report, and review of prior reports, the assumed hydraulic gradient direction is northwest towards the East River and groundwater is expected to be approximately twelve (12) feet bgs. The actual depth of groundwater observed during the Phase II ESI ranged from 11.7 to 12.6 ft bgs.

4.0 DISCUSSION OF FINDINGS

This section presents a discussion of the findings of the Phase II ESI. Tabulated results of laboratory analyses are presented in the Tables section of this report. The complete laboratory analytical data packages are included in *Appendix C*.

4.1 Applicable Regulatory Standards

This subsection identifies the USEPA, NYSDEC, NYSDOH and/or NYCDEP regulatory standards and guidelines used to evaluate the results of the soil vapor, ambient air, subsurface soil, and groundwater sampling. The standards and guidelines used to evaluate the specific data are described individually below.

4.1.1 Soil Vapor Guidelines

Analytical results for soil vapor samples were compared to the NYSDOH Air Guideline Values (AGVs) and to background levels of VOCs in indoor air presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document"), including Upper Fence Limit indoor air values from "Table C-1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes," 90th Percentile indoor and outdoor air values from "Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method" and 95th Percentile indoor air values from "Table C5. Health Effects Institute 2005: Relationship of Indoor, Outdoor and Personal Air". The results of the analyses of the soil vapor samples were also compared to Matrices 1 and 2 in the NYSDOH Vapor Intrusion Guidance Document. It should be noted that the matrices rely in part on indoor air data and indoor air samples were not collected as part of the Phase II ESI since the existing Site building construction would not be expected to be representative of the new school construction.

4.1.2 Ambient Air Quality

The results of the analysis of the ambient air sample were compared to the NYSDOH AGVs and to background levels of VOCs in outdoor air measured at the nearest NYSDEC ambient air monitoring station (located at PS 274, Site No. 7095-98), which is approximately 3.25 miles southeast of the Site, and to Upper Fence Limit outdoor air values from "Table C-1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes," 90th Percentile outdoor air values from "Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method", and 95th Percentile outdoor air values from "Table C5. Health Effects Institute 2005: Relationship of Indoor, Outdoor and Personal Air", as published in the NYSDOH Vapor Intrusion Guidance Document.

4.1.3 Soil Cleanup Objectives (SCOs)

The Unrestricted Use SCOs found in 6 NYCRR 375-6, Remedial Program Soil Cleanup Objectives, are the appropriate standards for use in evaluating the results of the analyses of the Phase II ESI soil samples. Soil which is free of contaminants above these standards is suitable for "unrestricted use" which is the land use category without imposed restrictions, such as environmental easements or other land use controls.

4.1.4 Groundwater Quality Standards and Guidance Values

Analytical results for groundwater were compared to New York State Class GA groundwater standards and guidance values, in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations." Ambient water quality standards are enforceable regulatory limits. Where ambient water quality standards do not exist, ambient water quality guidance values were used to evaluate the results of the analyses of the groundwater samples.

Groundwater data was also compared to the daily limits set forth in the NYCDEP Bureau of Wastewater Treatment "Limitations for Effluent to Sanitary or Combined Sewers".

4.2 Geophysical Survey Findings

The results of the geophysical survey revealed evidence of major anomalies north of the existing garage building and west of the trailer. According to the geophysical surveyor, the anomalies could not be characterized due to excessive "geophysical noise" (i.e., parked cars, metallic surrounding objects). It is possible that the major geophysical anomalies represent the presence of a UST. Underground piping, consistent with the floor drain system, was identified in the Site building. In addition, multiple minor anomalies, consistent with concrete blocks or small metal plates, were identified at the Site.

There was no evidence of utilities or subsurface structures, which would interfere with the boring locations, identified during the geophysical survey. The geophysical survey report is presented as *Appendix A*.

4.3 Soil Vapor Sampling Findings

A review of the soil vapor sample analytical results indicates that 17 of the 26 petroleum and chlorinated solvent compounds analyzed for were detected in one or more samples. A summary of the results of the analyses of the soil vapor samples is presented in Table 10. The complete analytical data report is presented in *Appendix C*. A summary of the compounds detected at concentrations greater than anticipated background levels or AGVs is provided below:

Table 3
Summary of VOCs in Soil Vapor Detected at Concentrations Greater than AGVs or Background Concentrations

Sample ID Date Sample Collected Units	TRC-SG1 5/27/08 (µg/m^3)	TRC-SG2 5/27/08 (µg/m^3)	TRC-SG3 5/27/08 (µg/m^3)	TRC-SG4 5/27/08 (µg/m^3)	TRC-SG5 5/27/08 (µg/m^3)	NYSDOH Air Guideline Value (µg/m^3)	NYSDOH Fuel Oil 2003 Upper Fence Limit Indoor Air (µg/m^3)	USEPA BASE 90th Percentile Value Indoor Air (µg/m^3)	Health Effects Institute 2005 95th Percentile Value Indoor Air (µg/m^3)
Benzene	4.2	6.3	0.22	24	44	--	13	9.4	10
Naphthalene	5.8	3.2	ND	1.9	1.2	--	--	5.1	--
Tetrachloroethene (PCE)	0.7	9	27	2.5	1.7	100	2.5	15.9	6.01

Notes:
µg/m^3 = micrograms per cubic meter
ND = Not Detected
-- = Not Available
= Result exceeds NYSDOH AGV

Concentrations of benzene (24 µg/m^3 in TRC-SG4 and 44 µg/m^3 in TRC-SG5), naphthalene (5.8 µg/m^3 in TRC-SG1), and PCE (27 µg/m^3 in TRC-SG3) were detected at concentrations greater than the range of published background concentrations.

The NYSDOH has established AGVs for three (3) of the VOCs analyzed (methylene chloride, PCE, and trichloroethene [TCE]). Methylene chloride, TCE and PCE were either not detected or were detected at concentrations less than the corresponding AGVs.

Soil vapor sampling results for TCE and carbon tetrachloride were compared to Matrix 1 of the NYSDOH Vapor Intrusion Guidance Document. The concentrations of TCE detected range from 0.83 to 1.8 µg/m^3. The concentrations of carbon tetrachloride detected ranged from not detected to 0.36 µg/m$^{3.}$ Based on Matrix 1, for sub-slab vapor, the recommended action for a TCE or carbon tetrachloride concentration of less than 5 µg/m^3 is either no further action, or, if indoor air concentrations are 0.25 µg/m^3 or greater, implementing reasonable and practical actions to identify the source(s) and reduce exposures.

Soil vapor sampling results for 1,1,1-trichloroethane (1,1,1-TCA) and PCE were compared to Matrix 2 of the NYSDOH Vapor Intrusion Guidance Document. The concentrations of PCE detected in soil vapor range from 0.7 to 27 µg/m^3 and the concentrations of 1,1,1-TCA detected range from 1.2 to 2.5 µg/m^3. Based on Matrix 2, sub-slab vapor concentrations of PCE and 1,1,1-TCA of less than 100 µg/m^3 require either no further action, or, if indoor air concentrations are greater than 3 µg/m^3, implementing reasonable and practical actions to identify the source(s) and reduce exposures.

The compounds detected in the soil vapor samples exceeding comparison levels are petroleum and chlorinated solvent related compounds. The specific compounds detected in soil vapor above comparison levels were not detected at elevated levels (above standards or guidance values) in soil and groundwater samples collected at the Site. Therefore, the compounds detected in soil vapor are attributed to an off-site source in the surrounding area.

4.4 Ambient Air Sampling Findings

A review of the ambient air sample analytical results indicates that 11 of the 26 petroleum and chlorinated solvent compounds analyzed for were detected in one or more samples. A summary of the results of the analysis of the ambient air sample is presented in Table 11. The complete analytical data report is presented in *Appendix C*. A summary of the compounds detected at concentrations greater than anticipated background levels or AGVs is provided below:

Table 4
Summary of VOCs in Ambient Air Detected at Concentrations Greater than AGVs or Background Concentrations

Sample ID Date Sample Collected Units	TRC-A1 5/27/08 ($\mu g/m^3$)	NYSDEC Monitoring Station Maximum Ambient VOCs ($\mu g/m^3$)	NYSDOH Air Guideline Value ($\mu g/m^3$)	NYSDOH Fuel Oil 2003 Upper Fence Limit Outdoor Air ($\mu g/m^3$)	USEPA BASE 90th Percentile Value Outdoor Air ($\mu g/m^3$)	Health Effects Institute 2005 95th Percentile Value Outdoor Air ($\mu g/m^3$)
1,2,4-Trimethylbenzene	0.63	0.608	--	1.9	5.8	--
Carbon tetrachloride	0.43	0.151	--	1.2	0.7	--
Chloromethane	1	0.884	--	4.3	3.7	--
Ethylbenzene	0.44	0.352	--	1.0	3.5	3.04
PCE	0.87	0.389	100	0.7	6.5	3.17

Notes:
$\mu g/m^3$ = micrograms per cubic meter
ND = Not Detected
-- = Not Available
= Concentration exceeds the maximum 2003 concentration recorded at the nearest NYSDEC ambient air monitoring station (at PS274, 800 Bushwick Avenue)

As shown in the table above, the VOCs 1,2,4-trimethylbenzene, carbon tetrachloride, chloromethane, ethylbenzene, and PCE were detected at concentrations marginally greater than the maximum VOCs detected at the closest NYSDEC ambient air monitoring station (at PS 274) in 2003. However, since no VOCs were detected at concentrations greater than the range of NYSDOH published background concentrations, these marginal exceedences are not considered of concern.

The NYSDOH has established AGVs for three (3) of the VOCs analyzed (methylene chloride, PCE, and TCE). TCE, PCE, and methylene chloride were either not detected or were detected at concentrations less than the corresponding AGVs.

4.5 Subsurface Soil Sampling Findings

4.5.1 Volatile Organic Compounds (VOCs) in Soil

A review of the soil sampling analytical results indicates that only one VOC (naphthalene) was detected above the laboratory reporting limit. Naphthalene was detected at an estimated concentration in one

sample (TRC-SB1 (1'-4')). There were no VOCs detected above the Unrestricted Use SCOs. The analytical data is summarized in Table 12. The analytical data package is presented as *Appendix C*.

4.5.2 Semi-Volatile Organic Compounds (SVOCs) in Soil

A review of the subsurface soil sampling analytical results indicates that 21 of the 64 SVOCs analyzed for were detected in one or more samples. A summary of the SVOCs detected above the Unrestricted Use SCOs is provided below:

Table 5
SVOCs Detected in Soil at Concentrations Above Unrestricted Use SCOs

Sample ID Date Sample Collected Sample Depth Units	TRC-SB1(1'-4') 5/27/08 1-4 feet (mg/kg)	TRC-SB1(4'-8') 5/27/08 4-8 feet (mg/kg)	TRC-SB2(1'-4') 5/27/08 1-4 feet (mg/kg)	TRC-SB2(5'-9') 5/27/08 5-9 feet (mg/kg)	TRC-SB3(1'-4') 5/27/08 1-4 feet (mg/kg)	TRC-SB4(1'-4') 5/27/08 1-4 feet (mg/kg)	Unrestricted Use Soil Cleanup Objective (mg/kg)
Benzo(a)anthracene	40	0.86	1.8 J	2.6 D	4.7	1.5	1
Benzo(a)pyrene	43	0.91	1.8 J	2..3	4.7	1.5	1
Benzo(b)fluoranthene	75 D	1.3	2.4 J	2.6 D	6.8	2.7 D	1
Benzo(k)fluoranthene	15	0.4	0.85 J	0.99	2	0.6	0.8
Chrysene	44 D	0.9	2 J	2.5 D	4.7	1.8	1
Dibenz(a,h)anthracene	1.5 J	0.13 J	ND	0.3 J	0.21 J	0.22 J	0.33
Fluoranthene	110 D	1.8 D	3.9 J	5.7 D	11	4.7 D	100
Indeno(1,2,3-cd)pyrene	15	0.49	0.81 J	0.83	2	0.64	0.5
Phenanthrene	130 D	1.9	3.1 J	7.1 D	5.8	4.7 D	100

Notes:
mg/kg = milligrams per kilogram
ND = Not Detected
= Result exceeds Unrestricted Use Soil Cleanup Objective
D = Sample Diluted
J = Estimated Value

As the table indicates, SVOCs consisting of polycyclic aromatic hydrocarbons were detected in six soil samples above Unrestricted Use SCOs. The highest concentrations of SVOCs were detected in sample TRC-SB1(1'-4').

TRC attributes the SVOC concentrations in the six soil samples to the characteristics of fill material at the Site, since there was no evidence of contamination in the soil samples (i.e., elevated PID reading or visual indications).

The analytical data is summarized in Table 13. The analytical data package is presented as *Appendix C*.

4.5.3 Metals and Cyanide in Soil

A review of the subsurface soil sampling analytical results indicates that 6 of the 10 metals analyzed for were detected in one or more samples. Arsenic, barium, cadmium, chromium, lead, and mercury were

detected. The metals detected at concentrations exceeding the Unrestricted Use SCOs in soil samples are tabulated below.

Table 6
Metals Detected in Soil at Concentrations Exceeding Unrestricted Use SCOs

Sample ID Date Sample Collected Sample Depth Units	TRC-SB1(1'-4') 5/27/08 1-4 feet (mg/kg)	TRC-SB1(4'-8') 5/27/08 4-8 feet (mg/kg)	TRC-SB2(1'-4') 5/27/08 1-4 feet (mg/kg)	TRC-SB2(5'-9') 5/27/08 5-9 feet (mg/kg)	TRC-SB3(1'-4') 5/27/08 4-8 feet (mg/kg)	TRC-SB4(1'-4') 5/27/08 1-4 feet (mg/kg)	TRC-SB5(1'-4') 5/27/08 1-4 feet (mg/kg)	TRC-SB5(4'-8') 5/27/08 4-8 feet (mg/kg)	Unrestricted Use Soil Cleanup Objective (mg/kg)
Arsenic	14.20	1.52	16.60	7.86	22.1	3.61	2.12	0.16 J	13
Barium	159	131	265	1720	289	85	141	124	350
Cadmium	2.66	2.2	2.42	1.53	6.03	3.12	2.48	2	2.5
Chromium	30.6	44.5	26.8	20.4	20.6	17.8	44.6	40.6	30
Lead	322	28	473	3440	1300	66.5	15.3	9.39	63
Mercury	0.289	0.047	0.574	0.317	0.51	0.081	0.016	0.008 U	0.18

Notes:
= Result exceeds Unrestricted Use Soil Cleanup Objective
U = Sample not detected above the laboratory reporting limit
J = Estimated Value
mg/kg = milligrams per kilogram

The analytical data is summarized in Table 14 and the analytical data package is presented in *Appendix C.* As shown in the table above, the metals arsenic, barium, cadmium, chromium, lead, and mercury were detected at concentrations exceeding the Unrestricted Use SCOs. The lead concentrations in soil samples TRC-SB2(5'-9') and TRC-SB3(1'-4') are 3,440 mg/kg and 1,300 mg/kg, respectively. These samples were additionally analyzed via TCLP. The TCLP lead concentrations detected for soil samples TRC-SB2(5'-9') and TRC-SB3(1'-4') are 2.17 milligrams per liter (mg/L) and 1.17 mg/L, respectively, which are below the regulatory limit of 5.0 mg/L for the hazardous waste characteristic of toxicity. TRC attributes the detected metal concentrations to the characteristics of fill material at the Site since there is no evidence to indicate a potential source in the vicinity of the sample locations.

4.5.4 Pesticides and PCBs in Soil

A review of the subsurface soil sampling analytical results indicates that pesticides and PCBs were not detected in any of the soil samples collected. A summary of the analytical results for pesticides and PCBs is presented in Table 15 and the analytical data package is presented as *Appendix C.*

4.5.5 Total Petroleum Hydrocarbons (TPH) in Soil

A review of the subsurface soil sampling analytical results indicates that total petroleum hydrocarbons (TPH) were detected in two (2) of the three (3) samples collected. A summary of the detected concentrations is provided below:

Table 7
Concentration of TPH Detected in Soil

Sample ID Date Sample Collected Sample Depth Units	TRC-SB1(4'-8') 5/27/08 4-8 feet (mg/kg)	TRC-SB3(4'-8') 5/27/08 4-8 feet (mg/kg)	TRC-SB5(4'-8') 5/27/08 4-8 feet (mg/kg)	Unrestricted Use Soil Cleanup Objective (mg/kg)
Total Petroleum Hydrocarbons	42	958	ND	--

Notes:
-- = Not Available, no criteria exists.
ND = Not Detected

The concentrations of TPH in soil ranged from not detected to 958 mg/kg. There are no applicable regulatory comparison criteria for TPH. TPH results provide information on soil disposal options for soil excavated for new school construction, since disposal facilities in the New York City metropolitan area typically require TPH analyses prior to accepting soil for disposal. The TPH concentrations detected in the samples are unlikely to limit disposal options for soil excavated for new school construction. A summary of the analytical results for TPH in soil is presented in Table 16 and the analytical data package is presented as *Appendix C.*

4.6 Groundwater Sampling Findings

Groundwater was encountered at a depth ranging from 11.7 to 12.6 feet bgs. Groundwater is presumed to flow in a northwesterly direction at the Site. The depth to groundwater was measured on May 27, 2008 using temporary well points. A review of the field parameters indicates that no elevated PID readings or visual evidence of contamination were observed. The results of the analyses of the groundwater samples are presented in Tables 17 through 19. The complete analytical data report is presented in *Appendix C*. A review of the groundwater analytical results is presented below.

4.6.1 Volatile Organic Compounds (VOCs) in Groundwater

A review of the results of the analyses of the groundwater samples for VOCs indicates that 1 of the 57 compounds analyzed for was detected. MTBE was detected in two samples, TRC-GW3 and TRC-GW5. A summary of the concentrations of MTBE detected in the groundwater samples is provided below:

Table 8
VOCs Detected in Groundwater at Concentrations Above State Criteria

Sample ID Date Sample Collected Units	TRC-GW3 5/27/08 (µg/L)	TRC-GW5 5/27/08 (µg/L)	Class GA Standard/Guidance Value (µg/L)
MTBE	0.87 J	17	10

Notes:
ND = Not Detected
= Result exceeds Class GA Standard/Guidance Value
J = Estimated Value

As indicated in the table above, MTBE was detected in sample TRC-GW5 at a concentration above the Class GA Guidance Value. The MTBE detected may be attributable to the historic on-Site use of gasoline tanks or an off-site source since MTBE was not detected in any of the soil samples analyzed.

The analytical data is summarized in Table 17 and the analytical data package is presented as Appendix C.

4.6.2 Semi-Volatile Organic Compounds (SVOCs) in Groundwater

A review of the results of the analyses of the groundwater samples for SVOCs indicates that 2 of the 65 compounds analyzed for were detected in one or more samples. The SVOCs 3,3-dichlorobenzidine and 4-chloroaniline were detected. All detected concentrations are below the corresponding Class GA Guidance Values. The analytical data is summarized in Table 18 and the analytical data package is presented as Appendix C.

4.6.3 Metals in Groundwater

A review of the results of the analyses of the groundwater samples for metals indicates that 5 of the 8 metals analyzed for were detected in one or more samples. Barium, chromium, lead, selenium, and silver were detected in groundwater. As presented below, only one (1) analyte (lead) was detected at a concentration greater than the corresponding State Groundwater Standard.

Table 9
Metals Detected in Groundwater at Concentrations Above State Criteria

Sample ID Date Sample Collected Units	TRC-GW2 5/27/08 (µg/L)	Class GA Standard (µg/L)
Lead	47.4	25

Notes:
= Result exceeds Class GA Standard

As indicated in the table above, lead was detected in only one sample (TRC-GW2) at a concentration greater than the Class GA Guidance Value. Lead was detected in Site soil (in sample TRC-SB2(5'-9')) at 3,440 mg/kg) at a concentration greater than the corresponding protection of groundwater SCO of 450 mg/kg found in Table 375-6.8(b). Therefore, the lead detected in groundwater sample TRC-GW2 can be attributed to the characteristics of the fill at this location.

The analytical results are summarized in Table 19 and the analytical data package is presented as Appendix C.

4.6.4 NYCDEP Discharge Parameters in Groundwater

NYCDEP discharge parameters were either not detected or were detected below their respective effluent limits in groundwater sample TRC-GW5. A detailed summary of the analytical results for NYCDEP discharge parameters is presented in Table 20 and the analytical data package is presented as Appendix C.

4.7 Summary of Findings

TRC performed a Phase II ESI consisting of a geophysical survey, the advancement of soil borings, installation of temporary well points, and collection and analysis of soil vapor, ambient air, soil and groundwater samples. The results of the Phase II ESI indicate the following:

- The geophysical survey did not reveal evidence of utilities or structures in the vicinity of the soil borings. However, major anomalies were encountered north of the existing Site building and west of the trailer. According to the geophysical surveyor, the anomalies could not be characterized due to excessive "geophysical noise" (i.e., parked cars, metallic surrounding objects). It is possible that one or more of the geophysical anomalies is representative of a UST. The "geophysical noise" also prevented the geophysical surveyor from clearing soil boring locations in the areas where the anomalies were encountered.

- Field observations and screening during soil sampling did not reveal the presence of petroleum-impacts or other physical evidence of contamination in any of the sample locations. Fill material consisting of ash, brick fragments, and silty sand, underlain by fill material consisting of light brown silty sand to a depth of at least 15 feet bgs was encountered in the soil borings.

- Groundwater was encountered at approximately 12 feet bgs. The estimated groundwater flow direction is towards the northwest. Field evidence of contamination was not observed in groundwater.

- The results of the analysis of the ambient air sample revealed the presence of several VOCs at concentrations marginally exceeding the maximum VOC concentrations recorded at the nearest NYSDEC monitoring station (at PS 274). However, the concentrations of VOCs detected in the ambient air sample are below the range of NYSDOH published background concentrations and therefore, these marginal exceedences are not of concern.

- The results of the analysis of soil vapor samples revealed the presence of two petroleum and one chlorinated solvent related VOCs at concentrations exceeding published indoor air VOC concentrations. Comparison with the NYSDOH Soil Vapor Guidance matrices indicates that for the concentrations of TCE, 1,1,1-TCA, PCE, and carbon tetrachloride detected in the soil vapor samples, monitoring and/or mitigation is not required.

- The results of the analyses of soil samples revealed detectable concentrations of VOCs, SVOCs, and metals. The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, and phenanthrene, and the metals arsenic, barium, cadmium, chromium, lead, and mercury were detected at concentrations above Unrestricted Use SCOs. The concentrations of SVOCs and metals detected can be attributed to the characteristics of fill material at the Site.

- The results of the analyses of the groundwater samples revealed detectable concentrations of VOCs, SVOCs, and RCRA metals. MTBE was detected in one sample (TRC-GW5) at a concentration exceeding the corresponding Class GA Guidance Value. The MTBE detected in TRC-GW5 may be attributable to the historic on-Site use of gasoline tanks or to an off-site source since MTBE was not detected in any of the soil samples analyzed. Lead was detected in one sample (TRC-GW2) at a concentration exceeding the corresponding Class GA Groundwater Standard. The presence of lead in groundwater at the Site can be attributed to the elevated concentrations of lead detected in fill material at the Site.

- There were no exceedences of NYCDEP Sewer Use Guidelines detected in groundwater.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of TRC's Phase II ESI, TRC concludes the following:

- The geophysical survey did not conclusively identify the presence or absence of a UST on Site, possibly due to excessive geophysical "noise" (i.e., parked cars, nearby metallic objects). It is possible that a UST is present on Site. The "geophysical noise" also prevented the geophysical surveyor from clearing soil boring locations in the areas where the anomalies were encountered.

- The specific compounds detected in soil vapor above comparison levels were not detected at elevated levels (above standards or guidance values) in soil and groundwater samples collected at the Site. Therefore, the compounds detected in soil vapor are attributed to an off-site source in the surrounding area.

- Soil at the Site consists primarily of fill material. Field observations and screening during soil sampling did not reveal evidence of the presence of petroleum-impacts or other physical evidence of contamination in any of the sample locations. The concentrations of SVOCs and metals detected in Site soil are therefore attributable to the characteristics of the fill material at the Site.

- Groundwater was encountered at approximately 12 feet bgs and field observations did not reveal the presence of contamination during sampling. MTBE was detected in one sample at a concentration exceeding the corresponding Class GA Guidance Value. The MTBE detected in groundwater may be attributable to the historic on-Site use of gasoline tanks or to an off-site source since MTBE was not detected in any of the soil samples analyzed. Lead was detected in one sample at a concentration exceeding the corresponding Class GA Groundwater Standard. The presence of lead in groundwater at the Site is attributed to the elevated concentrations of lead detected in fill material at the Site.

Based on the results of the Phase II ESI, implementing the remediation and environmental control measures listed below is required to make the Site suitable for use as a public school facility.

- USTs and any associated petroleum impacted soil, if encountered, should be excavated and disposed of in accordance with all federal, state, and local regulations.

- As a safeguard, to prevent potential VOCs in soil vapor from entering the new school building, a soil vapor barrier should be integrated into the new school design, including integration with any proposed water vapor barrier or waterproofing components of the new school design.

- If soils at the Site are excavated during construction activities, TRC recommends properly characterizing the material to identify material handling requirements and requirements for material reuse and/or waste disposal in accordance with all applicable federal, state, and local regulations.

- If excavation will be performed below the observed groundwater level, dewatering should be minimized to prevent the drawing in of potentially contaminated groundwater from the surrounding area.

- After the proposed new building and grounds are constructed, it is anticipated that there will be no exposed soil at the Site; however, if landscaped areas are incorporated into the development of the Site, a minimum 2-foot thick layer of environmentally clean fill should be placed over existing soil in those areas.

A detailed description of the recommended engineering controls including a remediation cost estimate is included in Appendix D.

6.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

TRC Engineers, Inc. (TRC) has performed a Phase II Environmental Site Investigation of the Proposed School Site located at 235-241 Franklin Street, Brooklyn, New York 11222. The Phase II ESI was performed generally in accordance with the scope of work dated April 15, 2008.

TRC Engineers, Inc.

Prepared By: _____
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Prepared By: _____
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Project Manager

Reviewed By: _____
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TABLES

Table 10
Summary o□Soil Vapor Sampling Analytical Results
Volatile Organic Compounds
Greenpoint Lumber Yard
Brooklyn, New York 11222

SAMPLE NAME DATE SAMPLE COLLECTED	Soil Gas					NYSDOH AGV	NYSDOH Fuel Oil 2003 Upper Fence Limit (1)	USEPA BASE Data 90th Percentile Value(1)	HEI RIOPA 2005 95th Percentile Value (1)
	TRC-SG-1 05/27/08	TRC-SG-2 05/27/08	TRC-SG-3 05/27/08	TRC-SG-4 05/27/08	TRC-SG-5 05/27/08		Indoor	Indoor	Indoor
Compound	□g/m^3□	□g/m^3□	□g/m^3□	□g/m^3□	□g/m^3□	□g/m^3□	□g/m^3□	□g/m^3□	□g/m^3□
1,1,1 - Trichloroethane (TCA)	1.2	ND	2.2	2.5	ND	--	2.5	20.6	--
1,1-Dichloroethane	ND	ND	ND	0.3	ND	--	0.4	□0.7	--
1,1-Dichloroethene	ND	ND	ND	ND	ND	--	0.4	□1.4	--
1,2,4-Trimethylbenzene	0.87	0.8	ND	3.1	3.5	--	9.8	9.5	--
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	--	0.5	□1.2	--
1,2-Dichloroethane	ND	ND	ND	0.33	ND	--	0.5	□0.9	--
1,2-Dichloropropane	ND	ND	ND	ND	ND	--	0.4	□1.6	--
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	--	0.5	□2.4	--
1,3,5-Trimethylbenzene	0.67	0.52	ND	2.3	2.4	--	3.9	3.7	--
Benzene	4.2	6.3	0.22	**24**	**44**	--	13	9.4	10
Carbon tetrachloride	ND	ND	ND	0.36	ND	--	1.3	□1.3	1.1
Chlorobenzene	ND	ND	ND	ND	ND	--	0.4	□0.9	--
Chloroethane	ND	0.23	ND	ND	0.63	--	0.4	□1.1	--
Chloromethane	ND	0.41	0.17	ND	1.7	--	4.2	3.7	--
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	--	0.4	□1.9	--
Ethylbenzene	0.39	0.83	ND	2.1	3.5	--	6.4	5.7	7.62
m, p-Xylenes	1.6	2.4	ND	12	14.0	--	11	22.2	22.2
Methyl tert-butyl ether	ND	ND	ND	ND	ND	--	14	11.5	36
Methylene chloride	0.53	4.30	0.51	1.3	13	60	16	10	7.5
Naphthalene	**5.8**	3.2	ND	1.9	1.2	--	--	5.1	--
o-Xylene	0.74	0.94	ND	5.1	6.3	--	7.1	7.9	7.24
Tetrachloroethene (PCE)	0.7	9.0	**27**	2.5	1.7	100	2.5	15.9	6.01
Toluene	3.2	6.1	0.69	24	39	--	57	43.0	39.8
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	--	--	--	--
Trichloroethene (TCE)	ND	ND	ND	1.8	0.83	5	0.5	4.2	1.36
Vinyl chloride	ND	ND	ND	ND	0.23	--	0.4	□1.9	--

Notes:

□g/m^3 □ micrograms per cubic meter

Items shown in bold □ont e□ceed the range o□published background indoor air concentrations.
ND □ Not Detected
NA □ Not Analyzed
-- □ Not Available
U - compound not detected
□1□- As per Appendi□C o□the Final NYSDOH Guidance document.
BASE - Building Assessment and Survey Evaluation
HEI RIOPA - Health E□ect Institute: Relationship o□Indoor, Outdoor and Personal Air

Table 11
Summary of Ambient Air Sampling Analytical Results
for Volatile Organic Compounds
Greenpoint Lumber Yard

SAMPLE NAME DATE SAMPLE COLLECTED	TRC-A1 05/27/08	NYSDOH AGV	NYSDEC Maximum Ambient VOCs	NYSDOH Fuel Oil 2003 Upper Fence Limit (1)	USEPA BASE Data 90th Percentile Value(1)	HEI RIOPA 2005 95th Percentile Value (1)
				Outdoor	Outdoor	Outdoor
Compound	□g/m^3□	□g/m^3□	□g/m^3□	□g/m^3□	□g/m^3□	□g/m^3□
1,1,1 - Trichloroethane (TCA)	ND	--	--	0.6	2.6	--
1,1-Dichloroethane	ND	--	0.038	--	□0.6	--
1,1-Dichloroethene	ND	--	0.035	0.4	□1.4	--
1,2,4-Trimethylbenzene	0.63	--	0.608	1.9	5.8	--
1,2-Dichlorobenzene	ND	--	0.042	0.4	□0.8	--
1,2-Dichloroethane	ND	--	0.049	0.4	□1.2	--
1,2-Dichloropropane	ND	--	0.04	0.4	□1.6	--
1,3-Dichlorobenzene	ND	--	0.04	0.4	□2.2	--
1,3,5-Trimethylbenzene	ND	--	0.195	0.7	2.7	--
Benzene	0.87	--	1.046	4.8	6.6	5.16
Carbon tetrachloride	0.43	--	0.151	1.2	0.7	1
Chlorobenzene	ND	--	151	--	□0.8	--
Chloroethane	ND	--	0.000	0.4	□1.2	--
Chloromethane	1	--	0.884	4.3	3.7	--
cis-1,2-Dichloroethene	ND	--	0.033	0.4	□1.8	--
Ethylbenzene	0.44	--	0.352	1.0	3.5	3.04
m, p-Xylenes	1.1	--	1.494	1.0	12.8	10
Methyl tert-butyl ether	ND	--	2.853	--	6.2	22.1
Methylene chloride	1.2	60	--	1.6	6.1	2.46
Naphthalene	0.7	--	--	--	4.9	
o-Xylene	0.43	--	0.433	1.5	4.6	3.23
Tetrachloroethene (PCE)	0.87	100	0.389	0.7	6.5	3.17
Toluene	3.4	--	4.280	5.1	33.7	19.6
trans-1,2-Dichloroethene	ND	--	--	--	--	--
Trichloroethene (TCE)	ND	5	0.110	0.4	1.3	0.79
Vinyl chloride	ND	--	--	0.4	□1.8	--

Notes:

□g/m^3 □ micrograms per cubic meter

Items shaded e□ceed the NYSDEC ma□imum ambient VOC data at the nearest DEC ambient monitoring station □PS274, 800 Bushwick Avenue□
ND □ Not Detected
NA □ Not Analyzed
-- □ Not Available
U - compound not detected
□1□- As per Appendi□C o□the Final NYSDOH Guidance document.
BASE - Building Assessment and Survey Evaluation
HEI RIOPA - Health E□ect Institute: Relationship o□Indoor, Outdoor and Personal Air

Table 12
Summary of Soil Sampling Analytical Results for
Volatile Organic Compounds
Greenpoint Lumber Yard

SAMPLE NAME LAB SAMPLE ID DATE SAMPLE COLLECTED DEPTH INTERVAL DILUTION FACTOR	Unrestricted Use Soil Cleanup Objectives[1]	TRC-SB-1 (1-4) 3012-01 5/27/2008 1-4 foot 1.0	TRC-SB-1 (4-8) 3012-02 5/27/2008 4-8 foot 1.0	TRC-SB-2 (1-4) 3012-03 5/27/2008 1-4 foot 1.0	TRC-SB-2 (5-9) 3012-04 5/27/2008 5-9 foot 1.0	TRC-SB-3 (1-4) 3012-05 5/27/2008 1-4 foot 1.0	TRC-SB-3 (4-8) 3012-06 5/27/2008 4-8 foot 1.0	TRC-SB-4 (1-4) 3012-07 5/27/2008 1-4 foot 1.0	TRC-SB-5 (1-4) 3012-08 5/27/2008 1-4 foot 1.0	TRC-SB-5 (4-8) 3012-09 5/27/2008 4-8 foot 1.0
VOLATILE ORGANIC COMPOUNDS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,1,1-Trichloroethane	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethybenzene	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylenes	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Acetate	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl Ether	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-propylbenzene	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Napthalene	12	0.022	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
- Estimated value
U - The compound was not detected at the
indicated concentration.
NC - No criterion
ND - Not detected
B - Analyte was detected in blank
Shaded values exceed one or more of the criteria
[1]6 NYCRR Subpart 375.6, Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives

Table 13
Summary of Soil Sampling Analytical Results for
Semi-Volatile Organic Compounds
Greenpoint Lumber Yard

SAMPLE NAME LAB SAMPLE ID DATE SAMPLE COLLECTED DEPTH INTERVAL DILUTION FACTOR	Unrestricted Use Soil Cleanup Objectives[1]	TRC-SB-1 1-4 3012-01 5/27/2008 1-4 oot 20.0		TRC-SB-1 1-4 DL 3012-01DL 5/27/2008 1-4 oot 100.0		TRC-SB-1 4-8 3012-02 5/27/2008 4-8 oot 1.0		TRC-SB-1 4-8 DL 3012-02DL 5/27/2008 4-8 oot 2.0		TRC-SB-2 1-4 3012-03 5/27/2008 1-4 oot 10.0		TRC-SB-2 5-9 3012-04 5/27/2008 5-9 oot 1.0		TRC-SB-2 5-9 DL 3012-04DL 5/27/2008 5-9 oot 5.0		TRC-SB-3 1-4 3012-05 5/27/2008 1-4 oot 5.0		TRC-SB-3 4-8 3012-06 5/27/2008 4-8 oot 20.0		TRC-SB-4 1-4 3012-07 5/27/2008 1-4 oot 1.0		TRC-SB-4 1-4 DL 3012-07DL 5/27/2008 1-4 oot 5.0		TRC-SB-5 1-4 3012-08 5/27/2008 10-12 oot 1.0		TRC-SB-5 4-8 3012-09 5/27/2008 10-12 oot 1.0	
SEMI-VOLATILE ORGANIC COMPOUNDS	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
1,1-Biphenyl	NC	1.1		ND		ND		ND		ND		0.092		ND		ND		ND		0.044		ND		ND	
2,2-oxybis(1-Chloropropane)	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4,6-Trichlorophenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4,5-Trichlorophenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4-Dichlorophenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4-Dinitrotoluene	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4-Dimethylphenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4-Dinitrophenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,6-Dinitrotoluene	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Chloronaphthalene	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Chlorophenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Methylnaphthalene	NC	4.1		4.4		ND		ND		ND		0.36		0.38		ND		ND		0.16		0.19		ND	
2-Methylphenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Nitroaniline	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Nitrophenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
3+4 Methylphenols	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
3,3-Dichlorobenzidine	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
3-Nitroaniline	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4,6-Dinitro-2-methylphenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Bromophenyl-phenylether	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Chloroaniline	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Chlorophenyl-phenylether	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Nitroaniline	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Nitrophenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	20	10		11		0.11		0.082		ND		0.49		0.5		0.48		ND		0.31		0.41		ND	
Acenaphthylene	100	0.79		ND		ND		ND		ND		0.13		ND		0.32		ND		0.048		ND		ND	
Acetophenone	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Anthracene	100	14		15		0.21		0.18		0.55		1.4		1.4		1		ND		0.43		0.58		ND	
Atrazine	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzaldehyde	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo(a)anthracene	1	**40**		**42**		0.86		0.67		**1.8**	**J**	**2.5**	**E**	**2.6**		**4.7**		ND		**1.5**		**1.9**		ND	
Benzo(a)pyrene	1	**43**		**39**		0.91		0.69		**1.8**	**J**	**2.3**		**2**		**4.7**		ND		**1.5**		**1.9**		ND	
Benzo(b)fluoranthene	1	**67**	**E**	**75**		**1.3**		1		**2.4**	**J**	**3.1**	**E**	**2.6**		**6.8**		ND		**2.3**	**E**	**2.7**		ND	
Benzo(g,h,i)perylene	100	19		21		0.65		0.4		0.97		1		0.87		2.2		ND		0.73		1		ND	
Benzo(k)fluoranthene	0.8	**15**		**76**		0.4		0.26		**0.85**	**J**	**0.99**		**0.95**	**J**	**2**		ND		0.6		**0.84**	**J**	ND	
bis(2-Chloroethoxy)methane	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bis(2-Chloroethyl)ether	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Butylbenzylphthalate	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.13		0.18		ND	
Caprolactam	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Carbazole	NC	11		11		0.19		0.14		ND		0.7		0.71		0.55		ND		0.31		0.39		ND	
Chrysene	1	**47**	**E**	**44**		0.9		0.77		**2**	**J**	**2.4**	**E**	**2.5**		**4.7**		ND		**1.8**		**2.3**		ND	
Dibenz(a,h)anthracene	0.33	**1.5**	**J**	**6**	**J**	0.13		ND		ND		0.3		ND		0.21		ND		0.22		ND		ND	
Dibenzofuran	NC	6.8		8.3		0.066		0.066		ND		0.57		0.64		0.27		ND		0.19		0.27		ND	
Diethylphthalate	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dimethylphthalate	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-butylphthalate	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-octyl phthalate	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Fluoranthene	100	**130**	**E**	**110**		2.4	E	1.8		3.9		6.6	E	5.7		11		ND		4.2	E	4.7		ND	
Fluorene	30	10		11		0.1		0.087		ND		0.85		0.85		0.51		ND		0.31		0.38		ND	
Hexachlorobenzene	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Hexachlorobutadiene	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Hexachlorocyclopentadiene	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Hexachloroethane	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.5	**15**		**15**	**J**	0.49		0.31		**0.81**	**J**	**0.83**		**0.79**	**J**	**2**		ND		**0.64**		**0.94**	**J**	ND	
Isophorone	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Naphthalene	12	6.4		6.9		ND		ND		ND		0.93		0.96		0.24		ND		0.15		0.18		ND	
Nitrobenzene	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
N-Nitroso-di-n-propylamine	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
N-Nitrosodiphenylamine	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Pentachlorophenol	NC	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	100	**140**	**E**	**130**		1.9		1.3		3.1		7.5	E	7.1		5.8		ND		3.9	E	4.7		ND	
Phenol	0.33	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Pyrene	100	**110**	**E**	100		2		1.6		3.9		4.9	E	5.4		9.5		ND		3.5	E	4.8		ND	

Notes:
NC - No criterion established
ND - Not detected
E - Value e ceeds calibration range
- Estimated value
Shaded values e ceed one or more o the criteria
[1]6 NYCRR Subpart 375.6, Table 375-6.8 a Unrestricted Use

Table 14
Summary of Soil Sampling Analytical Results for
RCRA Metals, Cyanide, and Hexavalent Chromium
Greenpoint Lumber Yard

SAMPLE NAME **LAB SAMPLE ID** **DATE SAMPLE COLLECTED** **DEPTH INTERVAL** METALS	**Unrestricted Use Soil Cleanup Objectives[1]** mg/kg	TRC-SB-1 1-4 3012-01 5/27/2008 1 -4 eet mg/kg		TRC-SB-1 4-8 3012-02 5/27/2008 4 - 8 oot mg/kg		TRC-SB-2 1-4 3012-03 5/27/2008 1-4 oot mg/kg		TRC-SB-2 5-9 3012-04 5/27/2008 5-9 oot mg/kg		TRC-SB-3 1-4 3012-05 5/27/2008 1-4 oot mg/kg		TRC-SB-3 4-8 3012-06 5/27/2008 4-8 oot mg/kg		TRC-SB-4 1-4 3012-07 5/27/2008 1-4 oot mg/kg		TRC-SB-5 1-4 3012-08 5/27/2008 1-4 oot mg/kg		TRC-SB-5 4-8 3012-08 5/27/2008 4-8 oot mg/kg	
Arsenic	13	**14.20**		1.52		**16.60**		7.86		**22.1**		2		3.61		2.12		0.16	
Barium	350	159		131		265		**1,720**		289		70.4		85		141		124	
Cadmium	2.5	**2.66**		2.2		2.42		1.53		**6.03**		0.979		**3.12**		2.48		2	
Chromium[2]	30	**30.6**		**44.5**		26.8		20.4		20.6		10.2		17.8		**44.6**		**40.6**	
Cyanide	27	NA		0.595	U	NA		NA		NA		0.562	U	NA		NA		0.556	U
Hexavalent Chromium	1	NA		0.476	U	NA		NA		NA		0.449	U	NA		NA		0.444	U
Lead	63	**322**		28		**473**		**3,440**		**1,300**		18.3		**66.5**		15.3		9.39	
Mercury	0.18	**0.289**		0.047		**0.574**		**0.317**		**0.51**		0.019		0.081		0.016		0.008	U
Selenium	3.9	0.635	U	0.65	U	0.656	U	0.644	U	0.622	U	0.61	U	0.574	U	0.653	U	0.607	U
Silver	2	0.163	U	0.166	U	0.168	U	0.165	U	0.159	U	0.156	U	0.147	U	0.167	U	0.156	U

Notes:

- Estimated value
NA - Not analyzed
U - The compound was not detected at the indicated concentration.
Shaded values e ceed listed criteria
[1] 6 NYCRR Subpart 375.6 Table 375-6.8 a Unrestricted Use Soil Cleanup Ob ectives
[2] Pursuant to 6 NYCRR Subpart 375-6.8 b , the SCO or chromium is considered to be met i
the analysis or the total species is below the speci ic SCO.
SB - Site background
D - Dilution Factor 2

Table 14A

Summary of Soil Sampling Analytical Results for Toxicity Characteristic Leaching Procedure Lead

Greenpoint Lumber Yard

SAMPLE NAME **LAB SAMPLE ID** **DATE SAMPLE COLLECTED** **DEPTH INTERVAL** **DILUTION FACTOR**	**TCLP Regulatory Limit**	TRC-SB-2 5-9 3353-01 5/27/2008 5-9 oot 1.0		TRC-SB-3 1-4 3353-02 5/27/2007 1-4 oot 1.0	
METAL	mg/l	mg/l		mg/l	
Lead	5.0	2.17		1.17	

Table 15
Summary of Soil Sampling Analytical Results for
Pesticides and PCBs
Greenpoint Lumber Yard

SAMPLE NAME LAB SAMPLE ID DATE SAMPLE COLLECTED DEPTH INTERVAL DILUTION FACTOR	Unrestricted Use Soil Cleanup Objectives[1]	TRC-SB-1 (4-8')		TRC-SB-3 (4-8')		TRC-SB-5 (4-8')	
		3012-02 5/27/2008 4-8 foot 1.0		3012-06 5/27/2008 4-8 foot 1.0		3012-09 5/27/2008 4-8 foot 1.0	
PESTICIDES	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)	
4,4-DDD	0.0033	0.32	U	0.3	U	0.3	U
4,4-DDE	0.0033	0.23	U	0.21	U	0.21	U
4,4-DDT	0.0033	0.19	U	0.18	U	0.18	U
Aldrin	0.005	0.19	U	0.18	U	0.18	U
alpha-BHC	0.02	0.17	U	0.16	U	0.15	U
alpha-Chlordane	0.094	0.23	U	0.21	U	0.21	U
beta-BHC	0.036	0.21	U	0.2	U	0.2	U
delta-BHC	0.04	0.21	U	0.2	U	0.2	U
Dieldrin	0.005	0.23	U	0.21	U	0.21	U
Endosulfan I	2.4	0.23	U	0.21	U	0.21	U
Endosulfan II	2.4	0.24	U	0.22	U	0.22	U
Endosulfan Sulfate	2.4	0.27	U	0.26	U	0.25	U
Endrin	0.014	0.68	U	0.64	U	0.63	U
Endrin aldehyde	NC	0.24	U	0.22	U	0.22	U
Endrin ketone	NC	0.56	U	0.53	U	0.52	U
gamma-BHC	NC	0.19	U	0.18	U	0.18	U
gamma-Chlordane	NC	0.21	U	0.2	U	0.2	U
Heptachlor	0.042	0.18	U	0.17	U	0.17	U
Heptachlor epoxide	NC	0.23	U	0.21	U	0.21	U
Methoxychlor	NC	0.25	U	0.24	U	0.23	U
Toxaphene	NC	4.3	U	4	U	4	U
POLYCHLORINATED BIPHENYLS (PCBS)							
Aroclor-1016	NC	4.4	U	4.2	U	4.1	U
Aroclor-1221	NC	5.4	U	5.1	U	5.1	U
Aroclor-1232	NC	5.7	U	5.4	U	5.3	U
Aroclor-1242	NC	2.5	U	2.4	U	2.3	U
Aroclor-1248	NC	5.5	U	5.2	U	5.1	U
Aroclor-1254	NC	5.6	U	5.2	U	5.2	U
Aroclor-1260	NC	4.4	U	4.2	U	4.1	U

Notes:
(- Estimated value
U - The compound was not detected at the indicated concentration.
NC - No criteria established
Shaded values exceed listed criteria
[1] 6 NYCRR Subpart 375.6, Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives

Table 16
Summary of Soil Sampling Analytical Results for
Total Petroleum Hydrocarbons
Greenpoint Lumber Yard

SAMPLE NAME **LAB SAMPLE ID** **DATE SAMPLE COLLECTED** **DEPTH INTERVAL** **DILUTION FACTOR**	**Unrestricted Use Soil Cleanup Objectives[1]**	TRC-SB-1 (4-8') (3012-02 5/27/2008 4-8 foot 1.0		TRC-SB-3 (4-8') (3012-06 5/27/2007 4-8 foot 1.0		TRC-SB-5 (4-8') Y1534-10 5/27/2008 4-8 foot 1.0	
COMPOUND	(mg/kg)	(mg/kg)		(mg/(g)		(mg/(g)	
Total Petroleum Hydrocarbons	NC	42		958		28	U

Notes:
(- Estimated Value
NC - No criteria
U - The compound was not detected at the indicated concentration.
[1]6 NYCRR Subpart 375.6, Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives

Table 17
Summary of Groundwatr Sampling Analytical Results for
Volatile Organic Compounds
Greenpoint Lumber Yard

SAMPLE NAME LAB SAMPLE ID DATE SAMPLE COLLECTED DILUTION FACTOR	TOGS GA Standards / Guidance	TRC-GW-1 □3012-10 5/27/2008 1.0	TRC-GW-2 □3012-11 5/27/2008 1.0	TRC-GW-3 □3012-12 5/27/2008 1.0	TRC-GW-4 □3012-13 5/27/2008 1.0	TRC-GW-5 □3012-14 5/27/2008 1.0	TRIP BLAN□ □3012-16 5/27/2008 1.0
VOLATILE ORGANIC COMPOUNDS	□□g/L□	□□g/L□	□□g/L□	□□g/L□	□□g/L□	□□g/L□	□□g/L□
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NC	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND
Carbon Disulfide	60	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND
Cyclohexane	NC	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
m/p-Xylenes	5	ND	ND	ND	ND	ND	ND
Methyl Acetate	NC	ND	ND	ND	ND	ND	ND
Methyl tert-butyl Ether	10	ND	ND	0.87 □	ND	**17**	ND
Methylcyclohexane	NC	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND
n-propylbenzene	5	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND

Notes:
All results given in □g/L or ppb.
□- Estimated value
□- Estimated value
U - The compound was not detected at the indicated concentration.
NC - No criterion
ND - Not Detected
Gray shaded values e□ceed criteria

Table 18
Summary of Groundwater Sampling Analytical Results for Semi-Volatile Organic Compounds
Greenpoint Lumber Yard

SAMPLE NAME LAB SAMPLE ID DATE SAMPLE COLLECTED DILUTION FACTOR	TOGS GA Standard / Guidance	TRC-GW-1 □3012-10 5/27/2008 1.0		TRC-GW-2 □3012-11 5/27/2008 1.0		TRC-GW-3 □3012-12 5/27/2008 1.0		TRC-GW-4 □3012-13 5/27/2008 1.0		TRC-GW-5 □3012-14 5/27/2008 1.0	
SEMI-VOLATILE ORGANIC COMPOUNDS	□g/L□	□g/L□		□g/L□		□g/L□		□g/L□		□g/L□	
1,1-Biphenyl	5	ND		ND		ND		ND		ND	
2,2-oxybis(1-Chloropropane)	5	ND		ND		ND		ND		ND	
2,4,5-Trichlorophenol	NC	ND		ND		ND		ND		ND	
2,4,6-Trichlorophenol	NC	ND		ND		ND		ND		ND	
2,4-Dichlorophenol	5	ND		ND		ND		ND		ND	
2,4-Dimethylphenol	50	ND		ND		ND		ND		ND	
2,4-Dinitrophenol	10	ND		ND		ND		ND		ND	
2,4-Dinitrotoluene	5	ND		ND		ND		ND		ND	
2,6-Dinitrotoluene	5	ND		ND		ND		ND		ND	
2-Chloronaphthalene	10	ND		ND		ND		ND		ND	
2-Chlorophenol	NC	ND		ND		ND		ND		ND	
2-Methylnaphthalene	NC	ND		ND		ND		ND		ND	
2-Methylphenol	NC	ND		ND		ND		ND		ND	
2-Nitroaniline	5	ND		ND		ND		ND		ND	
2-Nitrophenol	NC	ND		ND		ND		ND		ND	
3,3-Dichlorobenzidine	5	ND		1.9	□	ND		ND		ND	
3+4-Methylphenols	NC	ND		ND		ND		ND		ND	
3-Nitroaniline	5	ND		ND		ND		ND		ND	
4,6-Dinitro-2-methylphenol	NC	ND		ND		ND		ND		ND	
4-Bromophenyl-phenylether	NC	ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	NC	ND		ND		ND		ND		ND	
4-Chloroaniline	5	ND		1.3	□	ND		ND		ND	
4-Chlorophenyl-phenylether	NC	ND		ND		ND		ND		ND	
4-Nitroaniline	5	ND		ND		ND		ND		ND	
4-Nitrophenol	NC	ND		ND		ND		ND		ND	
Acenaphthene	20	ND		ND		ND		ND		ND	
Acenaphthylene	NC	ND		ND		ND		ND		ND	
Acetophenone	NC	ND		ND		ND		ND		ND	
Anthracene	50	ND		ND		ND		ND		ND	
Atrazine	7.5	ND		ND		ND		ND		ND	
Benzaldehyde	NC	ND		ND		ND		ND		ND	
Benzo(a)anthracene	0.002	ND		ND		ND		ND		ND	
Benzo(a)pyrene	NC	ND		ND		ND		ND		ND	
Benzo(b)fluoranthene	0.002	ND		ND		ND		ND		ND	
Benzo(g,h,i)perylene	NC	ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	0.002	ND		ND		ND		ND		ND	
bis(2-Chloroethoxy)methane	5	ND		ND		ND		ND		ND	
bis(2-Chloroethyl)ether	1	ND		ND		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	5	ND		ND		ND		ND		ND	
Butylbenzylphthalate	50	ND		ND		ND		ND		ND	
Caprolactam	NC	ND		ND		ND		ND		ND	
Carbazole	NC	ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		ND		ND		ND	
Dibenz(a,h)anthracene	NC	ND		ND		ND		ND		ND	
Dibenzofuran	NC	ND		ND		ND		ND		ND	
Diethylphthalate	50	ND		ND		ND		ND		ND	
Dimethylphthalate	50	ND		ND		ND		ND		ND	
Di-n-butylphthalate	50	ND		ND		ND		ND		ND	
Di-n-octyl phthalate	50	ND		ND		ND		ND		ND	
Fluoranthene	50	ND		ND		ND		ND		ND	
Fluorene	50	ND		ND		ND		ND		ND	
Hexachlorobenzene	0.04	ND		ND		ND		ND		ND	
Hexachlorobutadiene	0.5	ND		ND		ND		ND		ND	
Hexachlorocyclopentadiene	5	ND		ND		ND		ND		ND	
Hexachloroethane	5	ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND	
Isophorone	50	ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND	
Nitrobenzene	0.4	ND		ND		ND		ND		ND	
N-Nitroso-di-n-propylamine	NC	ND		ND		ND		ND		ND	
N-Nitrosodiphenylamine	50	ND		ND		ND		ND		ND	
Pentachlorophenol	1	ND		ND		ND		ND		ND	
Phenanthrene	50	ND		ND		ND		ND		ND	
Phenol	1	ND		ND		ND		ND		ND	
Pyrene	50	ND		ND		ND		ND		ND	

Notes:
All results given in □g/L or ppb.
□- Estimated value
U - Concentration less than the minimum detection limit.
B - Analyte detected in blank
□- Estimated value
U - The compound was not detected at the indicated concentration.
NC - No criterion
-□Not analyzed □or this compound
Gray shaded values e□ceed criteria

Table 19
Summary of Groundwater Sampling Analytical Results for
Metals
Greenpoint Lumber Yard

SAMPLE NAME **LAB SAMPLE ID** **DATE SAMPLE COLLECTED** **DILUTION FACTOR** METALS	**TOGS** **GA Standard /** **Guidance** □g/L□	TRC-GW-1 □3012-10 5/27/2008 1.0 □g/L□		TRC-GW-2 □3012-11 5/27/2008 1.0 □g/L□		TRC-GW-3 □3012-12 5/27/2008 1.0 □g/L□		TRC-GW-4 □3012-13 5/27/2008 1.0 □g/L□		TRC-GW-5 □3012-14 5/27/2008 1.0 □g/L□	
Arsenic	25	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
Barium	1000	90.1		77.8		37.7	□	64.8		73	
Cadmium	5	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Chromium	50	2.39	□	1.4	U	2.03	□	1.4	U	1.4	U
Lead	25	3.1	U	**47.4**		3.1	U	3.1	U	3.1	U
Mercury	0.7	0.06	U	0.06	U	0.06	U	0.06	U	0.06	U
Selenium	10	4.5	□	6.65	□	5.64	□	4.5	U	4.5	U
Silver	50	2.71	□	1.7	U	2.51	□	1.7	U	1.72	□

Notes:

All results given in □g/L or ppb.

□- Estimated value

U - The compound was not detected at the indicated concentration.

Gray shaded values e□ceed criteria

Table 20
Summary o□Groundwater Analytical Results
NYCDEP Sewer Use Discharge Parameters
Greenpoint Lumber Yard

SAMPLE NAME LAB SAMPLE ID DATE SAMPLE COLLECTED DILUTION FACTOR Parameters	NYCDEP Sewer Use Discharge Parameters	Units	TRC-GW5 □NYCDEP□ □3012-15 5/27/2008 1.0		Units
Non-polar material*	50	mg/l	5	U	mg/l
pH (range)	5.0-11	SU□s	6.4		SU□s
Benzene	134	ug/L	0.35	U	ug/L
Ethylbenzene	380	ug/L	0.05	U	ug/L
Toluene	74	ug/L	0.16	U	ug/L
Xylene (Total)	74	ug/L	0.47	U	ug/L
Cadmium (Composite)	0.69	mg/l	0.6	U	mg/l
Chromium (VI)	5	mg/l	0.01	U	mg/l
Copper	5	mg/l	0.0346		mg/l
Lead	2	mg/l	0.0135		mg/l
Mercury	0.05	mg/l	0.0001	U	mg/l
Nickel	3	mg/l	0.0227		mg/l
Zinc	5	mg/l	0.085		mg/l
Flash Point	□140	degrees F	□150		degrees F
PCB's (Total)**	1	ug/L	ND		ug/L
Tetrachloroethene (PCE)	20	ug/L	0.97	U	ug/L
MTBE (Methyl-Tert-Butyl-Ether)	50	ug/L	17		ug/L
Naphthalene	47	ug/L	0.29	U	ug/L

Notes:
ND - Not detected
U - Compound detected below method detection limit
□- Estimated value
Shaded values e□ceed one or more NYCDEP Sewer Discharge Parameter.
□According to the New York City Department o□Environmental Proptection Bureau o□Wastewater Treatment□s *Limitations for Effluent To Sanitary Or Combine Sewers* , anaylsis □or non-polar materials must be by method 1664 Rev. A by EPA.
Analysis □or PCB□s must be done by method 608 by EPA only with MDL □ 65 ppt.

FIGURES

Figure 1

Site Location Map

SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

NEW YORK

QUADRANGLE LOCATION

BROOKLYN, N. Y.

N4037.5—W7352.5/7.5

1967

PHOTOREVISED 1979

AMS 6265 III NW—SERIES V821

MAP OBTAINED THROUGH USE OF MAPTECH TERRAIN NAVIGATOR PRO SOFTWARE.

TRC

1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY: HD

DRAWN BY: HD

CHECKED BY: CG

DATE: APRIL 2008

SCALE: AS SHOWN

PROJECT NUMBER: 114707.0000.0095

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
PHASE II ESI, BLOCK: 2494, LOT: 1
BROOKLYN, NEW YORK 11222

DRAWING TITLE:

SITE LOCATION MAP

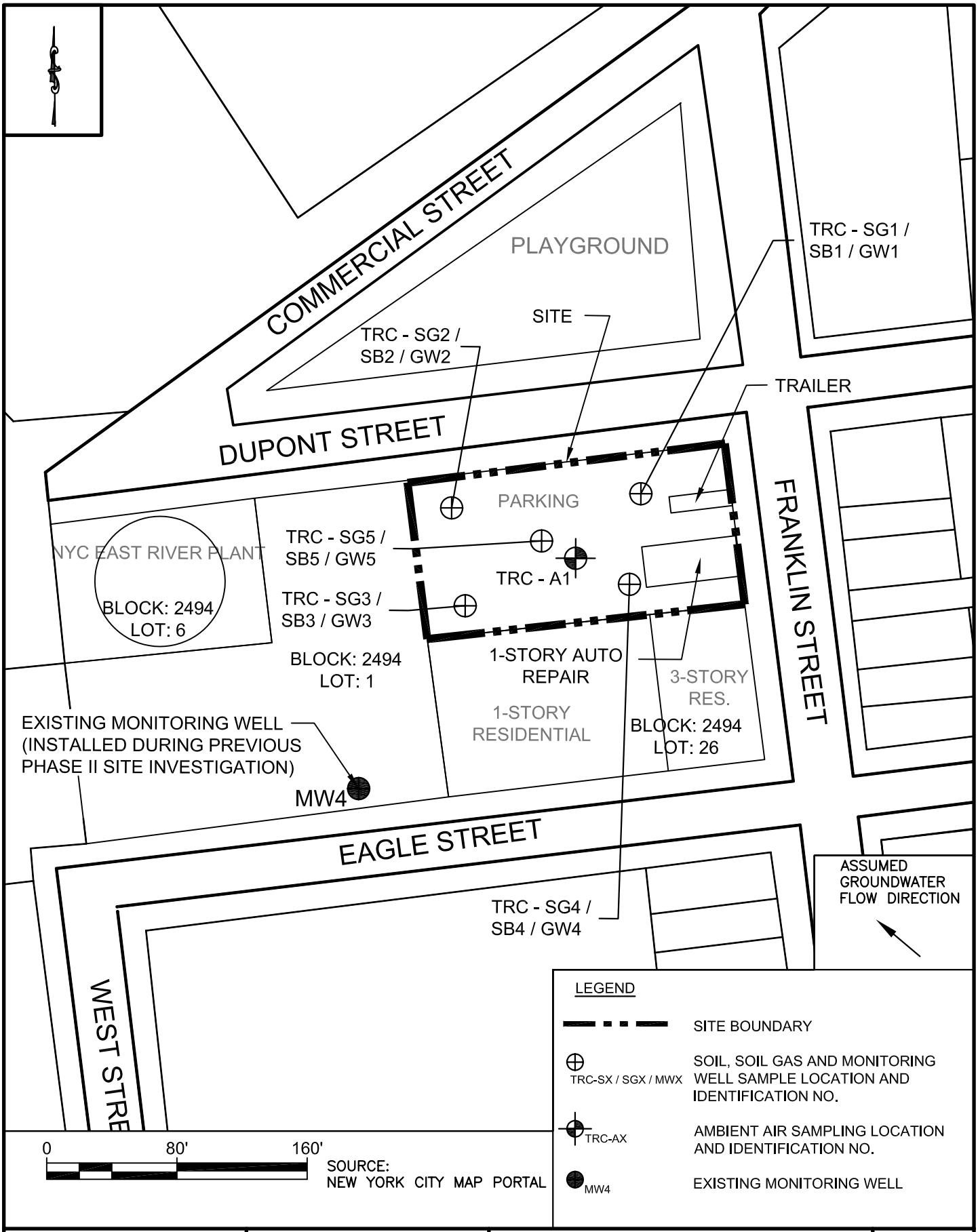
FIGURE

1

Path\Name: I:\Projects\54623 – NYCSCA\0095 – Greenpoint Lumber Yard\Phase II SOW\Figures\TRC Working Drawings\FIG01 SITE LOCATION MAP.dwg – Date\Time: Fri, 11 Apr 2008 – 4:08pm – User Name: HDalgoda – Layout Tab: LAYOUT1

Figure 2

Sample Location Plan



TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY:	HD
DRAWN BY:	HD
CHECKED BY:	CG
DATE:	JUNE 2008
SCALE:	AS SHOWN
PROJECT NUMBER:	114707.0000.0095

PROJECT NAME:
NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
PHASE II SOW, BLOCK: 2494, LOT: 1
BROOKLYN, NEW YORK 11208

DRAWING TITLE:
SAMPLING LOCATION

FIGURE
2

Path\Name: I:\Projects\54523 – NYCSCA\00095 – Greenpoint Lumber Yard\Phase II SOW\Figures\TRC Working Drawings\FIG02 SAMPLING LOCATION.dwg – Date\Time: Mon, 23 Jun 2008 – 1:52pm – User Name: HDelgado – Layout Tab: FIGURE 2

APPENDIX A

GEOPHYSICAL SURVEY REPORT

NOVA GEOPHYSICAL SERVICES

Subsurface Mapping Solutions
67-25 Clyde Street, Suite 5-S, Forest Hills, New York 11375
Ph. 347-556-7787 Fax. 718-261-1527
www.nova-gsi.com

May 28, 2008

Wes Lindemuth
Senior Environmental Engineer
TRC Companies, Inc.
1430 Broadway, 10th Floor
New York, NY 10018
212.221.7822 ext. 132 (office)
347.738.1452 (mobile)
wlindemuth@trcsolutions.com (email)

Re: Geophysical Survey Report
Commercial Property – NYC SCA PPS
235 Franklin Street & 20 Dupont Street
Brooklyn, New York 11208

Dear Mr. Lindemuth:

Nova Geophysical Services (NOVA) is pleased to provide findings of our geophysical survey at the above referenced project location located at 235 Franklin Street and 20 Dupont Street, New York, New York (the "Site"). Please see attached Geophysical Survey Site Plan for the Site configuration.

INTRODUCTION TO GEOPHYSICAL SURVEY

NOVA performed a Geophysical survey consist of a Ground Penetrating Radar (GPR), Concrete Imaging and electromagnetic surveys at the Site to locate and identify underground storage tanks (UST), underground utilities, cables and other anomalies that maybe located at the project Site, in May 27th, 2008. The purpose of this survey was to determine the location of USTs (if any), underground utilities, cables and other anomalies maybe located at the Site. Additionally, NOVA cleared and marked all proposed environmental soil boring locations at the Site. The equipment selected for this investigation included a Geonics EM-61 Pipe and Cable Locator (an electromagnetic (EM) metal detector), Ditch-witch utility locator, and MALA 250 kHz and 500 kHz ground-penetrating radar (GPR) units.

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 KHz to 500 KHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast

(void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

GEOPHYSICAL METHODS

The project Site was first investigated using the Geonics EM-61 metal detector. The metal detector was used in a reconnaissance investigation for evidence of metallic objects that could represent USTs. The instrument was carried along bi-directional traverses spaced approximately 4 feet apart across the project Site. The metal detector was also carried along 5-foot traverses over the Site. Metal detector anomalies were marked on the ground for further investigation with GPR.

The Ditch-witch was used to investigate utilities associated with the anomalies. Radio frequency signals were conducted onto anomalies that resembled USTs. This allowed the geophysicist using a specialized receiver to delineate lines running from the tanks by tracing the signals at the surface.

GPR data profiles were collected over each metal-detector anomaly with a large enough areal extent to represent a UST. These profiles were inspected for reflections that are indicative of USTs

RESULTS

The results of the geophysical survey identified following anomalies located at the project Site:

- Anomalies were located underneath the asphalt paved parking lot along the north side of the existing garage building and along the west side of the trailer, along the Dupont Street of the Site. Due to excessive amount of Geophysical noise activities (such as, parked cars, metallic surrounding objects) at the time of the survey, these anomalies could not be confirmed.

- Nova identified anomalies consisted with underground piping were located within the one-story building. The geophysical survey confirmed that this piping was belong to a floor drain and is connected to the public sewer system located along the Franklin Street.

- Multiple scattered/minor anomalies identified throughout the project Site were appeared to be a metal plate or reflection of concrete blocks. None of these anomalies were consistent with any size of USTs.

- Nova cleared and marked a total of five (5) proposed environmental boring locations located throughout of the Site.

- No other USTs or subsurface anomalies were identified during this survey. Geophysical Survey Plan portrays the areas investigated during the geophysical survey.

If you have any questions please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services

Levent Eskicakit, P.G., E.P.
Senior Environmental Engineer

Attachments:
Site Location Map
Geophysical Survey Site Plan

H:\Documents\LECE\TRC\Report\Geophysical Survey Report, 235 Franklin St & 20 Dupont Street, Brooklyn, NY.doc

N

FIGURE 1

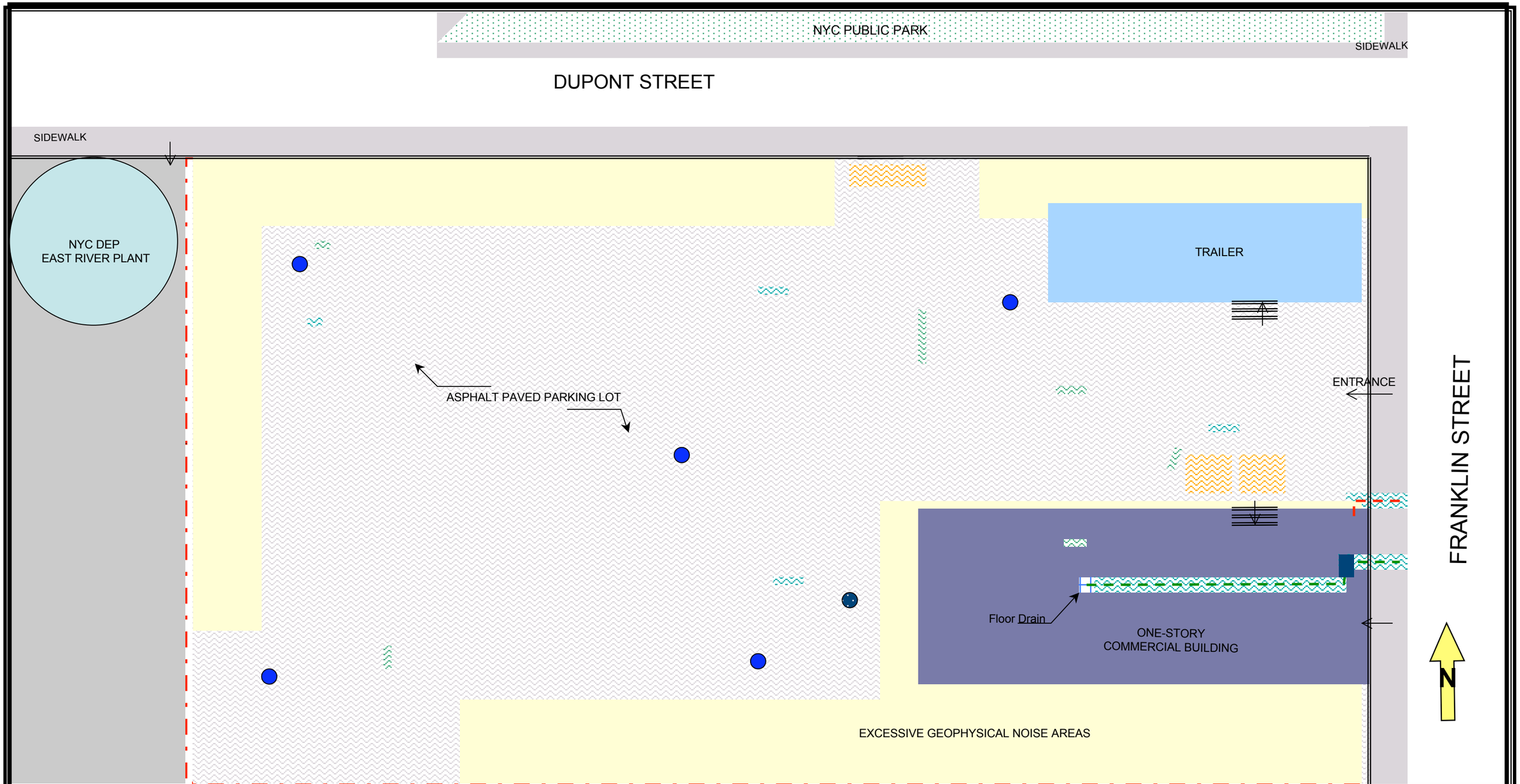
SITE LOCATION MAP

Yahoo Maps, Brooklyn (Kings) County, New York

NOVA
Geophysical Services
Subsurface Mapping Solutions
67-25 Clyde Street, Suite 5-S, Forest Hills, NY 11375
(718) 261-1527 Fax (718) 261-1528
www.nova-gsi.com

SITE: **Commercial Property**
235 Franklin Street
Brooklyn, New York 11208

PROJECT #: 08-0678
SCALE: See Map



NOVA

Geophysical Services

Subsurface Mapping Solutions

67-25 Clyde Street, Suite 5-S
Forest Hills, New York11375
Phone (347) 556-7787 * Fax (718) 261-1527
www.nova-gsi.com

GEOPHYSICAL SURVEY SITE PLAN

SITE : COMMERCIAL PROPERTY
235 FRANKLIN STREET & 20 DUPONT STREET
BROOKLYN, NEW YORK 11208

CLIENT: TRC SOLUTIONS

DATE : MAY 27, 2008

SCALE : NOT TO SCALE

INFORMATION

- GPR/EM Surveyed Areas
- Anomaly
- Underground Piping (Sewer, Gas, Electric)
- Scattered/Minor Anomaly
- Excessive Geophysical Noise Areas (No Survey Conducted)
- Proposed Soil Boring Locations
- Monitoring Well

APPENDIX B

SOIL BORING LOGS

BORING LOG

JOB NAME/ CLIENT	PROJECT NO.		
Greenpoint Lumbar Yard / NYCSCA	114707-0000-0095		
ADDRESS		**ELEVATION/DATUM**	
235-241 Franklin Street, Brooklyn, New York		-	
DRILLING CONTRACTOR	**DRILLER**	**INSPECTOR**	
ADT	Andria	Wes Lindemuth	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Track Mounted Geoprobe	2" Geoprobe Cutting Shoe	5/27/2008	5/27/2008
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH**	**WATER LEVEL**
2" □60" Macrocore	GH60/66"	15□	12□bgs

SAMPLES NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above) f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	50	NA			0-4□Black to gray □gravel and ash, red brick, wood 4-5□Light brown □sand and silt	N/O, N/S PID □ 0 ppm Moist Sample: TRC-SB-1 □1-4□□
			5			
2	40	NA			5-10□Light brown □sand and silt	N/O, N/S PID □ 0 ppm Moist Sample: TRC-SB-1 □4-8□□
			10			
3	40	NA		▼	10-15□Brown c sand, □gravel, trace silt	N/O, N/S PID □ 0 ppm Saturated at 13□bgs End o□Boring
			15			

TRC

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below ground surface

BORING LOG

BORING TRC-SB-2
SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.		
Greenpoint Lumbar Yard / NYCSCA	114707-0000-0095		
ADDRESS		**ELEVATION/DATUM**	
235-241 Franklin Street, Brooklyn, New York		-	
DRILLING CONTRACTOR	**DRILLER**	**INSPECTOR**	
ADT	Andria	Wes Lindemuth	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Track Mounted Geoprobe	2" Geoprobe Cutting Shoe	5/27/2008	5/27/2008
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH**	**WATER LEVEL**
2" □60" Macrocore	GH60/66"	15□	12.5□bgs

SAMPLES NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above) f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	48	NA			0-6": Black top 6"-3□Black gravel, some ash, ltl silt □ll□, red brick 3-5□Light brown □to m sand, ltl silt	N/O, N/S PID □0 ppm Moist Sample: TRC-SB-2 □1-4□□
			5			
2	24	NA			5-8□Red brick and gray ash 8-10□Light brown silt and □sand, trace clay	N/O, N/S PID □0 ppm Moist Sample: TRC-SB-2 □5-9□□
			10			
3	60	NA		▼	10-11□Brown silty sand, trace ash 11-15□Brown □sand, silt, trace clay	N/O, N/S PID □0 ppm Moist End o□Boring
			15			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below ground surface

BORING LOG

BORING TRC-SB-3
SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.		
Greenpoint Lumbar Yard / NYCSCA	114707-0000-0095		
ADDRESS		**ELEVATION/DATUM**	
235-241 Franklin Street, Brooklyn, New York		-	
DRILLING CONTRACTOR	**DRILLER**	**INSPECTOR**	
ADT	Andria	Wes Lindemuth	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Track Mounted Geoprobe	2" Geoprobe Cutting Shoe	5/27/2008	5/27/2008
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH**	**WATER LEVEL**
2" □60" Macrocore	GH60/66"	15□	12.6□bgs

SAMPLES NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above) f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	55	NA			0-4□Black □to m gravel, ash, red brick □ill□ 4-5□Light brown □sand, silt	N/O, N/S PID □ 0 ppm Moist Sample: TRC-SB-3 □1-4□□
			5			
2	78	NA			5-7□Gray ash, □to m gravel □□ill□ 7-10□Light brown □sand and silt	N/O, N/S PID □ 0 ppm Moist Sample: TRC-SB-3 □4-8□□
			10			
3	60	NA		▼	10-15□Light brown □sand and silt, some clay	N/O, N/S PID □ 0 ppm Saturated at 12□bgs End o□Boring
			15			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below ground surface

BORING LOG

BORING TRC-SB-4
SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.		
Greenpoint Lumbar Yard / NYCSCA	114707-0000-0095		
ADDRESS		**ELEVATION/DATUM**	
235-241 Franklin Street, Brooklyn, New York		-	
DRILLING CONTRACTOR	**DRILLER**	**INSPECTOR**	
ADT	Andria	Wes Lindemuth	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Track Mounted Geoprobe	2" Geoprobe Cutting Shoe	5/27/2008	5/27/2008
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH**	**WATER LEVEL**
2" □60" Macrocore	GH60/66"	15□	11.7□bgs

SAMPLES NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above; f - fine m - medium c - coarse; Lt - light Dk - dark tr - trace ltl - little)	REMARKS (Moisture =Dry, Moist, or Wet; (PID, STAINING, ODORS, ETC.); N/S = No Staining; N/O = No odors)
1	55	NA			1-2□Black and gray □to c gravel, concrete, ash □ill□ 2-5□Brown □sand and silt	N/O, N/S PID □0 ppm Moist Sample: TRC-SB-4□1-4□□
			5			
2	50	NA			5-8□Brown □sand and silt 8-10□Brown □sand	N/O, N/S PID □0 ppm Moist
			10			
3	48	NA		▼	10-13□Brown □sand 13-15□Brown c sand, ltl silt	N/O, N/S PID □0 ppm Saturated at 13□bgs End o□Boring
			15			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below ground surface

BORING LOG

BORING TRC-SB-5
SHEET 1 OF 1

JOB NAME/ CLIENT	PROJECT NO.		
Greenpoint Lumbar Yard / NYCSCA	114707-0000-0095		
ADDRESS		**ELEVATION/DATUM**	
235-241 Franklin Street, Brooklyn, New York		-	
DRILLING CONTRACTOR	**DRILLER**	**INSPECTOR**	
ADT	Andria	Wes Lindemuth	
DRILLING RIG	**TYPE/SIZE BIT**	**START DATE**	**END DATE**
Track Mounted Geoprobe	2" Geoprobe Cutting Shoe	5/27/2008	5/27/2008
SAMPLER TYPE	**HAMMER WEIGHT/DROP**	**TOTAL DEPTH**	**WATER LEVEL**
2" □60" Macrocore	GH60/66"	15□	12.5□bgs

SAMPLES NUMBER	RECOVERY IN INCHES	BLOWS PER 6"	DEPTH	WATER	DESCRIPTION OF SOILS (SAA = Same As Above) f - fine m - medium c - coarse Lt - light Dk - dark tr - trace ltl - little	REMARKS Moisture =Dry, Moist, or Wet (PID, STAINING, ODORS, ETC.) N/S = No Staining N/O = No odors
1	60	NA			1-3□Gray and black gravel and ash, red brick □ill□ 3-5□Light brown □sand and silt	N/O, N/S PID □0 ppm Moist Sample: TRC-SB-5 □1-4□□
			5			
2	60	NA			5-10□Light brown □sand and silt	N/O, N/S PID □0 ppm Moist Sample: TRC-SB-5 □4-8□□
			10			
3	60	NA		▼	10-15□Light brown □sand and silt	N/O, N/S PID □0 ppm Saturated at 14□bgs End o□Boring
			15			

TRC

Note:

NR = No Recovery
NA = Not Applicable
NS = Not Sampled
bgs = below ground surface

APPENDIX C

ENVIRONMENTAL SAMPLES - LABORATORY ANALYTICAL DATA REPORT

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 6/5/2008

TRC ENVIRONMENTAL CORP
1430 BROADWAY 10TH FLOOR
NEW YORK, NY 10018
ATTN: CHARLES GUDER

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER: 114707.0000.0095

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-16363
JOB NUMBER: 11470700000095

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: GREENPOINT LUMBER YARD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	SUBCONTRACT LAB (IF ANY)
TRC-A1	08B19300	AIR	Not Specified	to-15 ppbv trc1	
TRC-A1	08B19300	AIR	Not Specified	to-15 ug/m3 trc1	
TRC-SG1	08B19295	AIR	Not Specified	to-15 ppbv trc1	
TRC-SG1	08B19295	AIR	Not Specified	to-15 ug/m3 trc1	
TRC-SG2	08B19296	AIR	Not Specified	to-15 ppbv trc1	
TRC-SG2	08B19296	AIR	Not Specified	to-15 ug/m3 trc1	
TRC-SG3	08B19297	AIR	Not Specified	to-15 ppbv trc1	
TRC-SG3	08B19297	AIR	Not Specified	to-15 ug/m3 trc1	
TRC-SG4	08B19298	AIR	Not Specified	to-15 ppbv trc1	
TRC-SG4	08B19298	AIR	Not Specified	to-15 ug/m3 trc1	
TRC-SG5	08B19299	AIR	Not Specified	to-15 ppbv trc1	
TRC-SG5	08B19299	AIR	Not Specified	to-15 ug/m3 trc1	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 6/5/2008

TRC ENVIRONMENTAL CORP
1430 BROADWAY 10TH FLOOR
NEW YORK, NY 10018
ATTN: CHARLES GUDER

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER: 114707.0000.0095

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-16363
JOB NUMBER: 11470700000095

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

Comments :

LIMS BATCH NO. : LIMT-16363

CASE NARRATIVE

In method TO-15, method blank-118477 associated with samples 08B19295-08B19300 contained methylene chloride at 0.16 ppbv = 0.55 ug/m3.

In method TO- 15 , reduced precision is anticipated for reported result for chloroethane in sample 08B19299 based on sample duplicate RPD outside of control limits.

In method TO-15, any reported result for naphthalene is estimated and likely to be biased on the high side based on continuing calibration bias.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. #652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Sondra L. Slesinski 06/05/08
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHARLES GUDER
TRC ENVIRONMENTAL CORP
1430 BROADWAY 10TH FLOOR
NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-A1

Sample ID : 08B19300 ‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	0.27	06/03/08	XC	0.04			
Carbon Tetrachloride	PPBv	0.07	06/03/08	XC	0.04			
Chlorobenzene	PPBv	ND	06/03/08	XC	0.04			
Chloroethane	PPBv	ND	06/03/08	XC	0.04			
Chloromethane	PPBv	0.51	06/03/08	XC	0.04			
1,2-Dichlorobenzene	PPBv	ND	06/03/08	XC	0.04			
1,3-Dichlorobenzene	PPBv	ND	06/03/08	XC	0.04			
1,1-Dichloroethane	PPBv	ND	06/03/08	XC	0.04			
1,2-Dichloroethane	PPBv	ND	06/03/08	XC	0.04			
1,1-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
cis-1,2-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
t-1,2-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
1,2-Dichloropropane	PPBv	ND	06/03/08	XC	0.04			
Ethylbenzene	PPBv	0.10	06/03/08	XC	0.04			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	06/03/08	XC	0.04			
Methylene Chloride	PPBv	0.36	06/03/08	XC	0.04			
Naphthalene	PPBv	0.13	06/03/08	XC	0.10			
Tetrachloroethylene	PPBv	0.13	06/03/08	XC	0.04			
Toluene	PPBv	0.89	06/03/08	XC	0.04			
1,1,1-Trichloroethane	PPBv	ND	06/03/08	XC	0.04			
Trichloroethylene	PPBv	ND	06/03/08	XC	0.04			
1,2,4-Trimethylbenzene	PPBv	0.13	06/03/08	XC	0.04			
1,3,5-Trimethylbenzene	PPBv	ND	06/03/08	XC	0.04			
Vinyl Chloride	PPBv	ND	06/03/08	XC	0.04			
m/p-Xylene	PPBv	0.26	06/03/08	XC	0.08			
o-Xylene	PPBv	0.10	06/03/08	XC	0.04			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHARLES GUDER
TRC ENVIRONMENTAL CORP
1430 BROADWAY 10TH FLOOR
NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-A1

LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHARLES GUDER
TRC ENVIRONMENTAL CORP
1430 BROADWAY 10TH FLOOR
NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG1

Sample ID : 08B19295 ‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	1.3	06/03/2008	XC	0.04			
Carbon Tetrachloride	PPBv	ND	06/03/2008	XC	0.04			
Chlorobenzene	PPBv	ND	06/03/2008	XC	0.04			
Chloroethane	PPBv	ND	06/03/2008	XC	0.04			
Chloromethane	PPBv	ND	06/03/2008	XC	0.04			
1,2-Dichlorobenzene	PPBv	ND	06/03/2008	XC	0.04			
1,3-Dichlorobenzene	PPBv	ND	06/03/2008	XC	0.04			
1,1-Dichloroethane	PPBv	ND	06/03/2008	XC	0.04			
1,2-Dichloroethane	PPBv	ND	06/03/2008	XC	0.04			
1,1-Dichloroethylene	PPBv	ND	06/03/2008	XC	0.04			
cis-1,2-Dichloroethylene	PPBv	ND	06/03/2008	XC	0.04			
t-1,2-Dichloroethylene	PPBv	ND	06/03/2008	XC	0.04			
1,2-Dichloropropane	PPBv	ND	06/03/2008	XC	0.04			
Ethylbenzene	PPBv	0.09	06/03/2008	XC	0.04			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	06/03/2008	XC	0.04			
Methylene Chloride	PPBv	0.15	06/03/2008	XC	0.04			
Naphthalene	PPBv	1.1	06/03/2008	XC	0.10			
Tetrachloroethylene	PPBv	0.10	06/03/2008	XC	0.04			
Toluene	PPBv	0.86	06/03/2008	XC	0.04			
1,1,1-Trichloroethane	PPBv	0.22	06/03/2008	XC	0.04			
Trichloroethylene	PPBv	ND	06/03/2008	XC	0.04			
1,2,4-Trimethylbenzene	PPBv	0.18	06/03/2008	XC	0.04			
1,3,5-Trimethylbenzene	PPBv	0.14	06/03/2008	XC	0.04			
Vinyl Chloride	PPBv	ND	06/03/2008	XC	0.04			
m/p-Xylene	PPBv	0.37	06/03/2008	XC	0.08			
o-Xylene	PPBv	0.17	06/03/2008	XC	0.04			

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CHARLES GUDER
TRC ENVIRONMENTAL CORP
1430 BROADWAY 10TH FLOOR
NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG1

LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG2

Sample ID : 08B19296 ‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	2.0	06/03/08	XC	0.04			
Carbon Tetrachloride	PPBv	ND	06/03/08	XC	0.04			
Chlorobenzene	PPBv	ND	06/03/08	XC	0.04			
Chloroethane	PPBv	0.09	06/03/08	XC	0.04			
Chloromethane	PPBv	0.20	06/03/08	XC	0.04			
1,2-Dichlorobenzene	PPBv	ND	06/03/08	XC	0.04			
1,3-Dichlorobenzene	PPBv	ND	06/03/08	XC	0.04			
1,1-Dichloroethane	PPBv	ND	06/03/08	XC	0.04			
1,2-Dichloroethane	PPBv	ND	06/03/08	XC	0.04			
1,1-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
cis-1,2-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
t-1,2-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
1,2-Dichloropropane	PPBv	ND	06/03/08	XC	0.04			
Ethylbenzene	PPBv	0.19	06/03/08	XC	0.04			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	06/03/08	XC	0.04			
Methylene Chloride	PPBv	1.2	06/03/08	XC	0.04			
Naphthalene	PPBv	0.61	06/03/08	XC	0.10			
Tetrachloroethylene	PPBv	1.3	06/03/08	XC	0.04			
Toluene	PPBv	1.6	06/03/08	XC	0.04			
1,1,1-Trichloroethane	PPBv	ND	06/03/08	XC	0.04			
Trichloroethylene	PPBv	ND	06/03/08	XC	0.04			
1,2,4-Trimethylbenzene	PPBv	0.17	06/03/08	XC	0.04			
1,3,5-Trimethylbenzene	PPBv	0.11	06/03/08	XC	0.04			
Vinyl Chloride	PPBv	ND	06/03/08	XC	0.04			
m/p-Xylene	PPBv	0.56	06/03/08	XC	0.08			
o-Xylene	PPBv	0.22	06/03/08	XC	0.04			

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NEW YORK, NY 10018

Purchase Order No.:

6/5/2008

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG2

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG3

Sample ID : 08B19297 ‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	0.07	06/03/08	XC	0.04			
Carbon Tetrachloride	PPBv	ND	06/03/08	XC	0.04			
Chlorobenzene	PPBv	ND	06/03/08	XC	0.04			
Chloroethane	PPBv	ND	06/03/08	XC	0.04			
Chloromethane	PPBv	0.08	06/03/08	XC	0.04			
1,2-Dichlorobenzene	PPBv	ND	06/03/08	XC	0.04			
1,3-Dichlorobenzene	PPBv	ND	06/03/08	XC	0.04			
1,1-Dichloroethane	PPBv	ND	06/03/08	XC	0.04			
1,2-Dichloroethane	PPBv	ND	06/03/08	XC	0.04			
1,1-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
cis-1,2-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
t-1,2-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
1,2-Dichloropropane	PPBv	ND	06/03/08	XC	0.04			
Ethylbenzene	PPBv	ND	06/03/08	XC	0.04			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	06/03/08	XC	0.04			
Methylene Chloride	PPBv	0.15	06/03/08	XC	0.04			
Naphthalene	PPBv	ND	06/03/08	XC	0.10			
Tetrachloroethylene	PPBv	3.9	06/03/08	XC	0.04			
Toluene	PPBv	0.18	06/03/08	XC	0.04			
1,1,1-Trichloroethane	PPBv	0.41	06/03/08	XC	0.04			
Trichloroethylene	PPBv	ND	06/03/08	XC	0.04			
1,2,4-Trimethylbenzene	PPBv	ND	06/03/08	XC	0.04			
1,3,5-Trimethylbenzene	PPBv	ND	06/03/08	XC	0.04			
Vinyl Chloride	PPBv	ND	06/03/08	XC	0.04			
m/p-Xylene	PPBv	ND	06/03/08	XC	0.08			
o-Xylene	PPBv	ND	06/03/08	XC	0.04			

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6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG3

LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG4

Sample ID : 08B19298 ‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	7.6	06/04/08	XC	0.04			
Carbon Tetrachloride	PPBv	0.06	06/04/08	XC	0.04			
Chlorobenzene	PPBv	ND	06/04/08	XC	0.04			
Chloroethane	PPBv	ND	06/04/08	XC	0.04			
Chloromethane	PPBv	ND	06/04/08	XC	0.04			
1,2-Dichlorobenzene	PPBv	ND	06/04/08	XC	0.04			
1,3-Dichlorobenzene	PPBv	ND	06/04/08	XC	0.04			
1,1-Dichloroethane	PPBv	0.08	06/04/08	XC	0.04			
1,2-Dichloroethane	PPBv	ND	06/04/08	XC	0.04			
1,1-Dichloroethylene	PPBv	ND	06/04/08	XC	0.04			
cis-1,2-Dichloroethylene	PPBv	ND	06/04/08	XC	0.04			
t-1,2-Dichloroethylene	PPBv	ND	06/04/08	XC	0.04			
1,2-Dichloropropane	PPBv	ND	06/04/08	XC	0.04			
Ethylbenzene	PPBv	0.48	06/04/08	XC	0.04			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	06/04/08	XC	0.04			
Methylene Chloride	PPBv	0.38	06/04/08	XC	0.04			
Naphthalene	PPBv	0.37	06/04/08	XC	0.10			
Tetrachloroethylene	PPBv	0.37	06/04/08	XC	0.04			
Toluene	PPBv	6.4	06/04/08	XC	0.04			
1,1,1-Trichloroethane	PPBv	0.47	06/04/08	XC	0.04			
Trichloroethylene	PPBv	0.34	06/04/08	XC	0.04			
1,2,4-Trimethylbenzene	PPBv	0.63	06/04/08	XC	0.04			
1,3,5-Trimethylbenzene	PPBv	0.47	06/04/08	XC	0.04			
Vinyl Chloride	PPBv	ND	06/04/08	XC	0.04			
m/p-Xylene	PPBv	2.8	06/04/08	XC	0.08			
o-Xylene	PPBv	1.2	06/04/08	XC	0.04			

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NEW YORK, NY 10018

Purchase Order No.:

6/5/2008

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG4

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG5

Sample ID : 08B19299
‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	14	06/03/08	XC	0.04			
Carbon Tetrachloride	PPBv	ND	06/03/08	XC	0.04			
Chlorobenzene	PPBv	ND	06/03/08	XC	0.04			
Chloroethane	PPBv	0.24	06/03/08	XC	0.04			
Chloromethane	PPBv	0.83	06/03/08	XC	0.04			
1,2-Dichlorobenzene	PPBv	ND	06/03/08	XC	0.04			
1,3-Dichlorobenzene	PPBv	ND	06/03/08	XC	0.04			
1,1-Dichloroethane	PPBv	ND	06/03/08	XC	0.04			
1,2-Dichloroethane	PPBv	ND	06/03/08	XC	0.04			
1,1-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
cis-1,2-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
t-1,2-Dichloroethylene	PPBv	ND	06/03/08	XC	0.04			
1,2-Dichloropropane	PPBv	ND	06/03/08	XC	0.04			
Ethylbenzene	PPBv	0.81	06/03/08	XC	0.04			
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	06/03/08	XC	0.04			
Methylene Chloride	PPBv	3.6	06/03/08	XC	0.04			
Naphthalene	PPBv	0.23	06/03/08	XC	0.10			
Tetrachloroethylene	PPBv	0.25	06/03/08	XC	0.04			
Toluene	PPBv	10	06/03/08	XC	0.04			
1,1,1-Trichloroethane	PPBv	ND	06/03/08	XC	0.04			
Trichloroethylene	PPBv	0.15	06/03/08	XC	0.04			
1,2,4-Trimethylbenzene	PPBv	0.72	06/03/08	XC	0.04			
1,3,5-Trimethylbenzene	PPBv	0.49	06/03/08	XC	0.04			
Vinyl Chloride	PPBv	0.09	06/03/08	XC	0.04			
m/p-Xylene	PPBv	3.1	06/03/08	XC	0.08			
o-Xylene	PPBv	1.4	06/03/08	XC	0.04			

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6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG5

LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-A1

Sample ID : 08B19300 ‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	ug/m3	0.87	06/03/08	XC	0.13			
Carbon Tetrachloride	ug/m3	0.43	06/03/08	XC	0.25			
Chlorobenzene	ug/m3	ND	06/03/08	XC	0.19			
Chloroethane	ug/m3	ND	06/03/08	XC	0.11			
Chloromethane	ug/m3	1.0	06/03/08	XC	0.08			
1,2-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,3-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,1-Dichloroethane	ug/m3	ND	06/03/08	XC	0.16			
1,2-Dichloroethane	ug/m3	ND	06/03/08	XC	0.16			
1,1-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
cis-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
t-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
1,2-Dichloropropane	ug/m3	ND	06/03/08	XC	0.19			
Ethylbenzene	ug/m3	0.44	06/03/08	XC	0.18			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	06/03/08	XC	0.15			
Methylene Chloride	ug/m3	1.2	06/03/08	XC	0.14			
Naphthalene	ug/m3	0.70	06/03/08	XC	0.52			
Tetrachloroethylene	ug/m3	0.87	06/03/08	XC	0.28			
Toluene	ug/m3	3.4	06/03/08	XC	0.16			
1,1,1-Trichloroethane	ug/m3	ND	06/03/08	XC	0.22			
Trichloroethylene	ug/m3	ND	06/03/08	XC	0.22			
1,2,4-Trimethylbenzene	ug/m3	0.63	06/03/08	XC	0.20			
1,3,5-Trimethylbenzene	ug/m3	ND	06/03/08	XC	0.20			
Vinyl Chloride	ug/m3	ND	06/03/08	XC	0.11			
m/p-Xylene	ug/m3	1.1	06/03/08	XC	0.35			
o-Xylene	ug/m3	0.43	06/03/08	XC	0.18			

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NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-A1

LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test® ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

CHARLES GUDER
TRC ENVIRONMENTAL CORP
1430 BROADWAY 10TH FLOOR
NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG1

Sample ID : 08B19295
‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	ug/m3	4.2	06/03/08	XC	0.13			
Carbon Tetrachloride	ug/m3	ND	06/03/08	XC	0.25			
Chlorobenzene	ug/m3	ND	06/03/08	XC	0.19			
Chloroethane	ug/m3	ND	06/03/08	XC	0.11			
Chloromethane	ug/m3	ND	06/03/08	XC	0.08			
1,2-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,3-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,1-Dichloroethane	ug/m3	ND	06/03/08	XC	0.16			
1,2-Dichloroethane	ug/m3	ND	06/03/08	XC	0.16			
1,1-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
cis-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
t-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
1,2-Dichloropropane	ug/m3	ND	06/03/08	XC	0.19			
Ethylbenzene	ug/m3	0.39	06/03/08	XC	0.18			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	06/03/08	XC	0.15			
Methylene Chloride	ug/m3	0.53	06/03/08	XC	0.14			
Naphthalene	ug/m3	5.8	06/03/08	XC	0.52			
Tetrachloroethylene	ug/m3	0.70	06/03/08	XC	0.28			
Toluene	ug/m3	3.2	06/03/08	XC	0.16			
1,1,1-Trichloroethane	ug/m3	1.2	06/03/08	XC	0.22			
Trichloroethylene	ug/m3	ND	06/03/08	XC	0.22			
1,2,4-Trimethylbenzene	ug/m3	0.87	06/03/08	XC	0.20			
1,3,5-Trimethylbenzene	ug/m3	0.67	06/03/08	XC	0.20			
Vinyl Chloride	ug/m3	ND	06/03/08	XC	0.11			
m/p-Xylene	ug/m3	1.6	06/03/08	XC	0.35			
o-Xylene	ug/m3	0.74	06/03/08	XC	0.18			

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NEW YORK, NY 10018

Purchase Order No.:

6/5/2008

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG1

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG2

Sample ID : 08B19296
‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	ug/m3	6.3	06/03/08	XC	0.13			
Carbon Tetrachloride	ug/m3	ND	06/03/08	XC	0.25			
Chlorobenzene	ug/m3	ND	06/03/08	XC	0.19			
Chloroethane	ug/m3	0.23	06/03/08	XC	0.11			
Chloromethane	ug/m3	0.41	06/03/08	XC	0.08			
1,2-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,3-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,1-Dichloroethane	ug/m3	ND	06/03/08	XC	0.16			
1,2-Dichloroethane	ug/m3	ND	06/03/08	XC	0.16			
1,1-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
cis-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
t-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
1,2-Dichloropropane	ug/m3	ND	06/03/08	XC	0.19			
Ethylbenzene	ug/m3	0.83	06/03/08	XC	0.18			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	06/03/08	XC	0.15			
Methylene Chloride	ug/m3	4.3	06/03/08	XC	0.14			
Naphthalene	ug/m3	3.2	06/03/08	XC	0.52			
Tetrachloroethylene	ug/m3	9.0	06/03/08	XC	0.28			
Toluene	ug/m3	6.1	06/03/08	XC	0.16			
1,1,1-Trichloroethane	ug/m3	ND	06/03/08	XC	0.22			
Trichloroethylene	ug/m3	ND	06/03/08	XC	0.22			
1,2,4-Trimethylbenzene	ug/m3	0.83	06/03/08	XC	0.20			
1,3,5-Trimethylbenzene	ug/m3	0.52	06/03/08	XC	0.20			
Vinyl Chloride	ug/m3	ND	06/03/08	XC	0.11			
m/p-Xylene	ug/m3	2.4	06/03/08	XC	0.35			
o-Xylene	ug/m3	0.94	06/03/08	XC	0.18			

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NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG2

LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG3

Sample ID : 08B19297 ‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	ug/m3	0.22	06/04/08	XC	0.13			
Carbon Tetrachloride	ug/m3	ND	06/04/08	XC	0.25			
Chlorobenzene	ug/m3	ND	06/04/08	XC	0.19			
Chloroethane	ug/m3	ND	06/04/08	XC	0.11			
Chloromethane	ug/m3	0.17	06/04/08	XC	0.08			
1,2-Dichlorobenzene	ug/m3	ND	06/04/08	XC	0.24			
1,3-Dichlorobenzene	ug/m3	ND	06/04/08	XC	0.24			
1,1-Dichloroethane	ug/m3	ND	06/04/08	XC	0.16			
1,2-Dichloroethane	ug/m3	ND	06/04/08	XC	0.16			
1,1-Dichloroethylene	ug/m3	ND	06/04/08	XC	0.16			
cis-1,2-Dichloroethylene	ug/m3	ND	06/04/08	XC	0.16			
t-1,2-Dichloroethylene	ug/m3	ND	06/04/08	XC	0.16			
1,2-Dichloropropane	ug/m3	ND	06/04/08	XC	0.19			
Ethylbenzene	ug/m3	ND	06/04/08	XC	0.18			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	06/04/08	XC	0.15			
Methylene Chloride	ug/m3	0.51	06/04/08	XC	0.14			
Naphthalene	ug/m3	ND	06/04/08	XC	0.52			
Tetrachloroethylene	ug/m3	27	06/04/08	XC	0.28			
Toluene	ug/m3	0.69	06/04/08	XC	0.16			
1,1,1-Trichloroethane	ug/m3	2.2	06/04/08	XC	0.22			
Trichloroethylene	ug/m3	ND	06/04/08	XC	0.22			
1,2,4-Trimethylbenzene	ug/m3	ND	06/04/08	XC	0.20			
1,3,5-Trimethylbenzene	ug/m3	ND	06/04/08	XC	0.20			
Vinyl Chloride	ug/m3	ND	06/04/08	XC	0.11			
m/p-Xylene	ug/m3	ND	06/04/08	XC	0.35			
o-Xylene	ug/m3	ND	06/04/08	XC	0.18			

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NEW YORK, NY 10018

Purchase Order No.:

6/5/2008

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG3

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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NEW YORK, NY 10018

6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG4

Sample ID : 08B19298 ‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	ug/m3	24	06/03/08	XC	0.13			
Carbon Tetrachloride	ug/m3	0.36	06/03/08	XC	0.25			
Chlorobenzene	ug/m3	ND	06/03/08	XC	0.19			
Chloroethane	ug/m3	ND	06/03/08	XC	0.11			
Chloromethane	ug/m3	ND	06/03/08	XC	0.08			
1,2-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,3-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,1-Dichloroethane	ug/m3	0.33	06/03/08	XC	0.16			
1,2-Dichloroethane	ug/m3	ND	06/03/08	XC	0.16			
1,1-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
cis-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
t-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
1,2-Dichloropropane	ug/m3	ND	06/03/08	XC	0.19			
Ethylbenzene	ug/m3	2.1	06/03/08	XC	0.18			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	06/03/08	XC	0.15			
Methylene Chloride	ug/m3	1.3	06/03/08	XC	0.14			
Naphthalene	ug/m3	1.9	06/03/08	XC	0.52			
Tetrachloroethylene	ug/m3	2.5	06/03/08	XC	0.28			
Toluene	ug/m3	24	06/03/08	XC	0.16			
1,1,1-Trichloroethane	ug/m3	2.5	06/03/08	XC	0.22			
Trichloroethylene	ug/m3	1.8	06/03/08	XC	0.22			
1,2,4-Trimethylbenzene	ug/m3	3.1	06/03/08	XC	0.20			
1,3,5-Trimethylbenzene	ug/m3	2.3	06/03/08	XC	0.20			
Vinyl Chloride	ug/m3	ND	06/03/08	XC	0.11			
m/p-Xylene	ug/m3	12	06/03/08	XC	0.35			
o-Xylene	ug/m3	5.1	06/03/08	XC	0.18			

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NEW YORK, NY 10018

Purchase Order No.:

6/5/2008

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG4

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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6/5/2008

Purchase Order No.:

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG5

Sample ID : *08B19299 ‡Sampled : 5/27/2008
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	ug/m3	44	06/03/08	XC	0.13			
Carbon Tetrachloride	ug/m3	ND	06/03/08	XC	0.25			
Chlorobenzene	ug/m3	ND	06/03/08	XC	0.19			
Chloroethane	ug/m3	0.63	06/03/08	XC	0.11			
Chloromethane	ug/m3	1.7	06/03/08	XC	0.08			
1,2-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,3-Dichlorobenzene	ug/m3	ND	06/03/08	XC	0.24			
1,1-Dichloroethane	ug/m3	ND	06/03/08	XC	0.16			
1,2-Dichloroethane	ug/m3	ND	06/03/08	XC	0.16			
1,1-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
cis-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
t-1,2-Dichloroethylene	ug/m3	ND	06/03/08	XC	0.16			
1,2-Dichloropropane	ug/m3	ND	06/03/08	XC	0.19			
Ethylbenzene	ug/m3	3.5	06/03/08	XC	0.18			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	06/03/08	XC	0.15			
Methylene Chloride	ug/m3	13	06/03/08	XC	0.14			
Naphthalene	ug/m3	1.2	06/03/08	XC	0.52			
Tetrachloroethylene	ug/m3	1.7	06/03/08	XC	0.28			
Toluene	ug/m3	39	06/03/08	XC	0.16			
1,1,1-Trichloroethane	ug/m3	ND	06/03/08	XC	0.22			
Trichloroethylene	ug/m3	0.83	06/03/08	XC	0.22			
1,2,4-Trimethylbenzene	ug/m3	3.5	06/03/08	XC	0.20			
1,3,5-Trimethylbenzene	ug/m3	2.4	06/03/08	XC	0.20			
Vinyl Chloride	ug/m3	0.23	06/03/08	XC	0.11			
m/p-Xylene	ug/m3	14	06/03/08	XC	0.35			
o-Xylene	ug/m3	6.3	06/03/08	XC	0.18			

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NEW YORK, NY 10018

Purchase Order No.:

6/5/2008

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
Field Sample # : TRC-SG5

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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1430 BROADWAY 10TH FLOOR
NEW YORK, NY 10018

Purchase Order No.:

6/5/2008

Project Number: 114707.0000.0095
LIMS-BAT #: LIMT-16363
Job Number: 11470700000095

Project Location: GREENPOINT LUMBER YARD
Date Received: 5/29/2008
The following notes were attached to the reported analysis :

Sample ID: * 08B19299
Analysis: Chloroethane

DUPLICATE RPD IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR REPORTED RESULT. SEE QC SUMMARY REPORT.

** END OF REPORT **

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‡ = See attached chain-of-custody record for time sampled

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 6/5/2008 Lims Bat # : LIMT-16363

QC Batch Number: BATCH-14451

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B19295					
	4-Bromofluorobenzene	Surrogate Recovery	102.37	%	70-130
08B19296					
	4-Bromofluorobenzene	Surrogate Recovery	105.50	%	70-130
08B19297					
	4-Bromofluorobenzene	Surrogate Recovery	96.12	%	70-130
08B19298					
	4-Bromofluorobenzene	Surrogate Recovery	128.12	%	70-130
08B19299					
	Benzene	Sample Amount	43.71	ug/m3	
		Duplicate Value	42.93	ug/m3	
		Duplicate RPD	1.80	%	
	Ethylbenzene	Sample Amount	3.51	ug/m3	
		Duplicate Value	3.43	ug/m3	
		Duplicate RPD	2.39	%	
	Naphthalene	Sample Amount	1.21	ug/m3	
		Duplicate Value	1.16	ug/m3	
		Duplicate RPD	4.24	%	
	Tetrachloroethylene	Sample Amount	1.68	ug/m3	
		Duplicate Value	1.72	ug/m3	
		Duplicate RPD	2.22	%	
	Toluene	Sample Amount	38.62	ug/m3	
		Duplicate Value	37.79	ug/m3	
		Duplicate RPD	2.16	%	
	Trichloroethylene	Sample Amount	0.82	ug/m3	
		Duplicate Value	0.79	ug/m3	
		Duplicate RPD	3.71	%	
	o-Xylene	Sample Amount	6.25	ug/m3	
		Duplicate Value	6.16	ug/m3	
		Duplicate RPD	1.39	%	
	m/p-Xylene	Sample Amount	13.64	ug/m3	
		Duplicate Value	13.28	ug/m3	
		Duplicate RPD	2.71	%	
	Vinyl Chloride	Sample Amount	0.23	ug/m3	
		Duplicate Value	0.27	ug/m3	
		Duplicate RPD	17.00	%	
	Methylene Chloride	Sample Amount	12.57	ug/m3	
		Duplicate Value	12.30	ug/m3	
		Duplicate RPD	2.14	%	
	Chloromethane	Sample Amount	1.71	ug/m3	
		Duplicate Value	1.94	ug/m3	
		Duplicate RPD	12.53	%	
	Chloroethane	Sample Amount	0.63	ug/m3	
		Duplicate Value	0.84	ug/m3	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 6/5/2008 Lims Bat # : LIMT-16363

QC Batch Number: BATCH-14451

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B19299					
	Chloroethane	Duplicate RPD	28.81	%	
	1,2,4-Trimethylbenzene	Sample Amount	3.53	ug/m3	
		Duplicate Value	3.43	ug/m3	
		Duplicate RPD	2.82	%	
	1,3,5-Trimethylbenzene	Sample Amount	2.43	ug/m3	
		Duplicate Value	2.35	ug/m3	
		Duplicate RPD	2.95	%	
	4-Bromofluorobenzene	Surrogate Recovery	117.62	%	70-130
08B19300					
	4-Bromofluorobenzene	Surrogate Recovery	95.12	%	70-130
BLANK-118477					
	Benzene	Blank	<0.13	ug/m3	
	Carbon Tetrachloride	Blank	<0.25	ug/m3	
	1,2-Dichloroethane	Blank	<0.16	ug/m3	
	Ethylbenzene	Blank	<0.18	ug/m3	
	Naphthalene	Blank	<0.52	ug/m3	
	Tetrachloroethylene	Blank	<0.28	ug/m3	
	Toluene	Blank	<0.16	ug/m3	
	1,1,1-Trichloroethane	Blank	<0.22	ug/m3	
	Trichloroethylene	Blank	<0.22	ug/m3	
	o-Xylene	Blank	<0.18	ug/m3	
	m/p-Xylene	Blank	<0.35	ug/m3	
	1,2-Dichlorobenzene	Blank	<0.24	ug/m3	
	1,3-Dichlorobenzene	Blank	<0.24	ug/m3	
	1,1-Dichloroethane	Blank	<0.16	ug/m3	
	1,1-Dichloroethylene	Blank	<0.16	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<0.15	ug/m3	
	t-1,2-Dichloroethylene	Blank	<0.16	ug/m3	
	Vinyl Chloride	Blank	<0.11	ug/m3	
	Methylene Chloride	Blank	0.55	ug/m3	
	Chlorobenzene	Blank	<0.19	ug/m3	
	Chloromethane	Blank	<0.08	ug/m3	
	Chloroethane	Blank	<0.11	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.20	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<0.20	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.16	ug/m3	
	1,2-Dichloropropane	Blank	<0.19	ug/m3	
LFBLANK-80094					
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	15.92	ug/m3	
		Lab Fort Blk. % Rec.	99.85	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	33.23	ug/m3	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 6/5/2008 Lims Bat # : LIMT-16363

QC Batch Number: BATCH-14451

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-80094					
	Carbon Tetrachloride	Lab Fort Blk. % Rec.	105.66	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	19.82	ug/m3	
		Lab Fort Blk. % Rec.	97.94	%	70-130
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	23.45	ug/m3	
		Lab Fort Blk. % Rec.	108.22	%	70-130
	Naphthalene	Lab Fort Blank Amt.	12.50	ug/m3	
		Lab Fort Blk. Found	14.71	ug/m3	
		Lab Fort Blk. % Rec.	117.69	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	33.03	ug/m3	
		Lab Fort Blk. % Rec.	97.44	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	18.23	ug/m3	
		Lab Fort Blk. % Rec.	96.90	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	27.48	ug/m3	
		Lab Fort Blk. % Rec.	100.76	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	27.45	ug/m3	
		Lab Fort Blk. % Rec.	102.16	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	24.84	ug/m3	
		Lab Fort Blk. % Rec.	114.40	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	48.91	ug/m3	
		Lab Fort Blk. % Rec.	112.62	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.14	ug/m3	
		Lab Fort Blk. % Rec.	116.92	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.37	ug/m3	
		Lab Fort Blk. % Rec.	117.66	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.45	ug/m3	
		Lab Fort Blk. % Rec.	91.16	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	18.22	ug/m3	
		Lab Fort Blk. % Rec.	91.85	%	70-130
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	14.73	ug/m3	
		Lab Fort Blk. % Rec.	81.71	%	70-130

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BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 6/5/2008 Lims Bat # : LIMT-16363

QC Batch Number: BATCH-14451

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-80094					
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.71	ug/m3	
		Lab Fort Blk. % Rec.	89.34	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	14.46	ug/m3	
		Lab Fort Blk. % Rec.	113.16	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	15.97	ug/m3	
		Lab Fort Blk. % Rec.	92.02	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	24.47	ug/m3	
		Lab Fort Blk. % Rec.	106.30	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	11.12	ug/m3	
		Lab Fort Blk. % Rec.	107.70	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	14.98	ug/m3	
		Lab Fort Blk. % Rec.	113.61	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	29.32	ug/m3	
		Lab Fort Blk. % Rec.	119.30	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	29.11	ug/m3	
		Lab Fort Blk. % Rec.	118.44	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	18.35	ug/m3	
		Lab Fort Blk. % Rec.	92.57	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	25.71	ug/m3	
		Lab Fort Blk. % Rec.	111.28	%	70-130

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : BATCH-14451
Sample ID : 08B19299
Analysis : Chloroethane

DUPLICATE RPD IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR REPORTED RESULT. SEE QC SUMMARY REPORT.

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

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Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST
EAST LONGMEADOW, MA 01028

AIR SAMPLE CHAIN OF CUSTODY RECORD

Lab # - 16363

Company Name: TRC
Address: 1430 Broadway 10TH Fl
New York, NY 10018
Attention: Charles Guder
Project Location: Greenpoint Lumber Yard
Sampled By: Wes Lindemuth

Telephone: (212) 221-7822
Project # 114707.0000.0095
Client PO #

DATA DELIVERY (check one):
☒ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #: 212-221-7840
Email: CGuder@trcsolutions.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER___

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	Total Minutes Sampled	Flow Rate M^3/Min. or L/Min.	Volume Liters or M^3	Matrix Code*	ANALYSIS REQUESTED: TO-15 Low Level per TRC Parameter List Attached				" Hg Initial pressure	" Hg Final Pressure	" Hg Lab Receipt pressure	Summa Canister ID	Flow Controller ID
	TRC-SG1	S	08B19295	5/27/08 1510	5/27/08 1610	60	0.1 L/Min	6.0 L	SG	X				30	0		1173	3237
	TRC-SG2	S	96	5/27/08 1130	5/27/08 1230	60	0.1 L/Min	6.0 L	SG	X				28	3		16474	3211
	TRC-SG3	S	97	5/27/08 1305	5/27/08 1405	60	0.1 L/Min	6.0 L	SG	X				29	1		1660	3158
	TRC-SG4	S	98	5/27/08 1505	5/27/08 1605	60	0.1 L/Min	6.0 L	SG	X				30	4		1622	3012
	TRC-SG5	S	99	5/27/08 1500	5/27/08 1600	60	0.1 L/Min	6.0 L	SG	X				26	1		1638	3156
	TRC-A1	S	08B19300	5/27/08 1515	5/27/08 1600	45	0.1 L/Min	6.0 L	SG	X				26	1		1109	3258

Laboratory Comments:

CLIENT COMMENTS: SEE ATTACHED PARAMETER LIST

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 5/29/08 0946
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 5day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations:
Data Enhancement/RCP? ☐ Y ☒ N
Enhanced Data Package ☐ Y ☒ N
(Surchage Applies)
Required Detection Limits:
Other:

*Matrix Code:
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other_____

**Media Codes:
S=summa can
T=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other_____

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

TRC PARAMETER LIST

Method TO-15 with SIM will provide detection limits of 0.25 micrograms per cubic meter for vinyl chloride, trichloroethene (TCE), and carbon tetrachloride, allowing for comparison with the lowest action levels for these compounds in the NYSDOH Guidance. The soil gas and ambient air samples will be analyzed for the compounds listed below and results will be reported by the laboratory within a 5-day turn-around time (TAT).

- Benzene;
- Carbon Tetrachloride;
- Chlorobenzene;
- Chloroethane;
- Chloromethane;
- 1,2-Dichlorobenzene;
- 1,3-Dichlorobenzene;
- 1,1-Dichloroethane;
- 1,2-Dichloroethane;
- 1,1-Dichloroethene;
- *Cis*-1,2-Dichloroethene;
- *Trans*-1,2-Dichloroethene;
- 1,2-Dichloropropane;
- Ethyl benzene;
- Methyl *tert*-butyl ether;
- Methylene Chloride;
- Naphthalene;
- Tetrachloroethene (PCE);
- Toluene;
- 1,1,1 – Trichloroethane;
- Trichloroethene (TCE);
- 1,2,4 -Trimethylbenzene;
- 1,3,5-Trimethylbenzene;
- Vinyl Chloride;
- m,p-Xylenes; and
- o-Xylene

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Detailed Results

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Tracking number	798449994855	**Reference**	114707-0000-009 5	**Wrong Address?** Reduce future mist FedEx Address Ch
Signed for by	K.MURPHY			
Ship date	May 28, 2008			
Delivery date	May 29, 2008 9:46 AM	**Destination**	East Longmeadow, MA	Tracking a FedEx S Shipment? Go to shipper login
		Delivered to	Shipping/Receiving	
		Service type	Priority Overnight	
		Weight	5.0 lbs.	
Status	Delivered			
Signature image available	Yes			

Date/Time		Activity	Location	Details
May 29, 2008	9:46 AM	**Delivered**	East Longmeadow, MA	
	7:57 AM	On FedEx vehicle for delivery	WINDSOR LOCKS, CT	
	7:11 AM	At local FedEx facility	WINDSOR LOCKS, CT	
	4:48 AM	Departed FedEx location	NEWARK, NJ	
May 28, 2008	9:04 PM	Arrived at FedEx location	NEWARK, NJ	
	8:00 PM	Left origin	NEW YORK, NY	
	5:09 PM	Picked up	NEW YORK, NY	
	12:06 PM	Package data transmitted to FedEx		

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East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

SAMPLE RECEIPT CHECKLIST

CLIENT NAME: TRC
RECEIVED BY: KM DATE: 05/29/08

1. Was chain of custody relinquished and signed? YES NO
2. Does Chain agree with samples? YES NO

If not, explain:

3. All Samples in good condition? YES NO

If not, explain:

4. Were samples received in compliance with Temperature 0-6 degrees C? YES NO

Degrees by temp blank NA
Degrees by temp gun NA

5. Are there any dissolved samples for the lab to filter? YES NO

Who was notified?_____ Date:_____ Time:_____

6. Are there any on hold samples? YES NO STORED WHERE:

7. Are there any short holding time samples and who was notified?_____ Date:_____ Time_____

8. Location where samples are stored: AFR

CONTAINERS SENT IN TO CON-TEST	# of container
1 liter amber	
500 ml amber	
250 ml amber (8oz. Amber)	
1 liter plastic	
500 ml plastic	
250 ml plastic	
40 ml vial—which kind—list below	
Colisure bottle	
Dissolved oxygen bottle	
Flashpoint bottle	

CONTAINERS SENT TO CON-TEST	# of containers
Air Cassettes	
8 oz clear jar	
4 oz clear jar	
2 oz clear jar	
Plastic bag	
Encore	
Brass Sleeves	
Tubes	
Summa cans	8
Other	8

Laboratory comments:

# of HCL Vial_____ # of Methanol vials_____ # of Sodium Bisulfate vials_____
# of DI water(to be frozen) vials_____ Time and Date when frozen_____

Do all the samples have the correct pH levels? YES NO If no, please explain above

DATA PACKAGE FOR
VOLATILE ORGANICS
SEMI-VOLATILE ORGANICS
GC SEMI-VOLATILES
METALS
GENERAL CHEMISTRY

PROJECT NAME: SCA- Greenpoint Lumber Yard

TRC ENVIRONMENTAL CORP., NY
1430 BROADWAY
10TH FLOOR
NEW YORK, NY 10018
2122217822

CHEMTECH PROJECT NO. **Z3012**
ATTENTION: **Charles Guder**

COVER PAGE

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: SCA- Greenpoint Lumber Ya

OrderID: Z3012

CustomerName: TRC Environmental Corp., NY

LAB SAMPLE NO.	CLIENT SAMPLE NO
Z3012-01	TRC-SB-1(1-4)
Z3012-02	TRC-SB-1(4-8)
Z3012-03	TRC-SB-2(1-4)
Z3012-04	TRC-SB-2(5-9)
Z3012-05	TRC-SB-3(1-4)
Z3012-06	TRC-SB-3(4-8)
Z3012-07	TRC-SB-4(1-4)
Z3012-08	TRC-SB-5(1-4)
Z3012-09	TRC-SB-5(4-8)
Z3012-10	TRC-GW1
Z3012-11	TRC-GW2
Z3012-12	TRC-GW3
Z3012-13	TRC-GW4
Z3012-14	TRC-GW5
Z3012-15	TRC-GW5 (NYCDEP)
Z3012-16	TRIP BLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Mildred Vreyes Name: Mildred Vreyes

Date: 6/16/08 Title: QA/QC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

QA/QC DELIVERABLES CHECKLIST

Project Number: 23012

THIS FORM HAS BEEN COMPLETED BY CHEMTECH LABORATORY AND ACCOMPANIES ALL DATA DELIVERABLES PACKAGES.

The following laboratory deliverables are included in this analytical report. Any deviations from the accepted methodology and procedures, or performance values outside acceptable ranges are summarized in the Non-Conformance Summary.

		Yes	NA
I.	Report Cover Page, Laboratory Certification and Field Sample To Lab Sample ID Cross Reference	✓	
II.	Table of Contents	✓	
III.	Chain of Custody Documents	✓	
IV.	Methodology Summaries	✓	
V.	Laboratory Chronicle and Hold Time Checks	✓	
VI.	Non-Conformance Summary	✓	
VII.	Tabulated Analytical Results	✓	
VIII.	Initial and Continuing Calibration Information	X	✓
IX.	Tune and Internal Standard Area Summaries (GC/MS)	X	✓
X.	Quality Control Summary Reports	✓	
XI.	Surrogate Recovery Summary	✓	
XII.	Raw Data Chromatogram, Blank Samples and QC when applicable		✓
XIII.	Subcontract Data		✓

Wilfredo Reyes
QA/QC Data Reviewer

6/16/08
Date

NJDEP Certification No. 20012 NYSDOH Certification No. 11376

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHAIN OF CUSTODY RECORD

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Z3012
QUOTE NO.
COC Number 072414

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: TRC
ADDRESS: 1430 Broadway 10TH Fl
CITY: New York STATE: NY ZIP: 10018
ATTENTION: Charles Guder
PHONE: 212-221-7822 FAX: 212-221-7840

CLIENT PROJECT INFORMATION

PROJECT NAME: Greenpoint Lumber Yard
PROJECT NO.: 117707.0000.0095 LOCATION: Brooklyn, NY
PROJECT MANAGER: Charles Guder
e-mail: CGuder@trcsolutions.com
PHONE: 212-221-7822 FAX: 212-221-7840

CLIENT BILLING INFORMATION

BILL TO: SAME PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 5 DAYS *
HARD COPY: 5 DAYS *
EDD: 5 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☒ RESULTS ONLY ☐ USEPA CLP
☒ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☒ EDD FORMAT Excel

ANALYSIS

1 TCL/STARS VOC +10
2 TCL/STARS SVOC +15
3 RCRA Metals
4 TCL Pesticides
5 PCBs
6 TPH
7 Cyanide
8 Hexavalent Chrom
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
							PRESERVATIVES	E	E	E	E	E	E	E	E		← Specify Preservatives A-HCl B-HNO_3 C-H_2SO_4 D-NaOH E-ICE F-Other
1.	TRC-SB1(1-4')	Soil		X	5/27/08	1530	2	X	X	X							
2.	TRC-SB1(4-8')	Soil		X	5/27/08	1535	2	X	X	X	X	X	X	X	X		
3.	TRC-SB2(1-4')	Soil		X	5/27/08	1030	2	X	X	X							
4.	TRC-SB2(5-9')	Soil		X	5/27/08	1040	2	X	X	X							
5.	TRC-SB3(1-4')	Soil		X	5/27/08	1200	2	X	X	X							
6.	TRC-SB3(4-8')	Soil		X	5/27/08	1205	2	X	X	X	X	X	X	X	X		
7.	TRC-SB4(1-4')	Soil		X	5/27/08	1630	2	X	X	X							
8.	TRC-SB5(1-4')	Soil		X	5/27/08	1340	2	X	X	X							
9.	TRC-SB5(4-8')	Soil		X	5/27/08	1345	2	X	X	X	X	X	X	X	X		
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/28/08 1530	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	~~RECEIVED FOR LAB BY:~~
3.	5/28/08 1745	3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: YES

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

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CHEMTECH
CHAIN OF CUSTODY RECORD

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www.chemtech.net

CHEMTECH PROJECT NO. Z3012
QUOTE NO.
COC Number 072407

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: TRC
ADDRESS: 1430 Broadway 10TH Fl
CITY: New York STATE: NY ZIP: 10018
ATTENTION: Charles Guder
PHONE: 212-221-7822 FAX: 212-221-7840

CLIENT PROJECT INFORMATION

PROJECT NAME: Greenpoint Lumber Yard
PROJECT NO.: 114707.0000.0095 LOCATION: Brooklyn, NY
PROJECT MANAGER: Charles Guder
e-mail: CGuder@trcsolutions.com
PHONE: 212-221-7822 FAX: 212-221-7840

CLIENT BILLING INFORMATION

BILL TO: SAME PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 5 DAYS *
HARD COPY: 5 DAYS *
EDD: 5 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☒ RESULTS ONLY ☐ USEPA CLP
☒ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☒ EDD FORMAT Excel

ANALYSIS

1 TCL/STARS VOCs +10
2 TCL/STARS SVOC +15
3 RCRA Metals (Filtered)
4 NYCDEP Sewer Use
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A (1)	E (2)	B,E (3)	(4)	(5)	(6)	(7)	(8)	(9)	COMMENTS
1.	TRC-GW1	GW		X	5/27/08	1557	5	X	X	X							
2.	TRC-GW2	GW		X	5/27/08	1107	5	X	X	X							
3.	TRC-GW3	GW		X	5/27/08	1238	5	X	X	X							
4.	TRC-GW4	GW		X	5/27/08	1651	5	X	X	X							
5.	TRC-GW5	GW		X	5/27/08	1421		X	X	X	X						
6.	Trip Blank						2	X									
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/28/08 3:30	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3.	5/28/08 1715	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: YES

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Zubair Ali

From: James Bell
Sent: Thursday, May 29, 2008 3:51 PM
To: Zubair Ali; Snehal Mehta
Cc: Joe Dockery
Subject: TRC Aqueous COC
Importance: High

PER Charles Guder, please filter and analyze non preserved bottles for dissolved metals only. No totals needed. Also, please run TCL voa list for all voa compounds including stars and NYCDEP sewer use parameters.

Joe,

You may have to put a new group in the quote for these voa's. We only received two vials and Charlie said to run it once for all compounds.

Jim Bell
Project Manager
CHEMTECH
Phone: (908) 789 8900 x 107
Facsimile: (908) 789 8922
284 Sheffield Street,
Mountainside, New Jersey - 07092
jbell@chemtech.net
http://www.chemtech.net

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CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

LABORATORY CERTIFICATION

STATE	License No.
New Jersey	20012
New York	11376
Florida	E87935
Maryland	296
Massachusetts	M-NJ503
Oklahoma	9705
Rhode Island	LAO00259
Connecticut	PH-0649
Maine	NJ0503
Pennsylvania	68-548

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	If the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	If the analyte was analyzed for, but not detected.
E	The reported value is estimated because of the presence of interference
M	Duplicate injection precision not met.
N	Spiked sample recovery not within control limits.
S	The reported value was determined by the Method of Standard Addition (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while absorbance is less that 50% of spike absorbance.
*	Duplicate analysis not within control limits.
+	Correlation coefficient for the MSA is less than 0.995.
***	Entering "S", "W " or " +" is mutually exclusive. NO combination of these qualifiers can appear in the same field for an analyte.
D	The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"A"** for Flame AA **"PM"** for ICP when Microwave Digestion is used **"AM"** for flame AA when Microwave Digestion is used **"FM"** for furnace AA when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: 23012

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	
All runlogs reviewed for manual integration requirements	

1st Level QA Review Signature: Mildred V Reys Date: 6/16/08

2nd Level QA Review Signature: _____ Date: _____

METHODOLOGY REVIEW & LABORATORY CHRONICLE

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

Order ID:	Z3012	**Order Date:**	5/28/2008
Client :	TRC Environmental Corp., NY	**Project:**	SCA- Greenpoint Lumber Yard
Contact :	Charles Guder	**Location :**	

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
Z3012-01	**TRC-SB-1(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/29/08	
Z3012-02	**TRC-SB-1(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/29/08	
Z3012-03	**TRC-SB-2(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/30/08	
Z3012-04	**TRC-SB-2(5-9)**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/29/08	
Z3012-05	**TRC-SB-3(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/29/08	
Z3012-06	**TRC-SB-3(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/29/08	
Z3012-06RE	**TRC-SB-3(4-8)RE**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/29/08	
Z3012-07	**TRC-SB-4(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/29/08	
Z3012-08	**TRC-SB-5(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/29/08	
Z3012-09	**TRC-SB-5(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			VOCMS Group3	8260			05/29/08	
Z3012-10	**TRC-GW1**	**WATER**			**05/27/08**			**05/28/08**

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LAB CHRONICLE

		VOCMS Group3	8260		05/30/08	
Z3012-11	**TRC-GW2**	**WATER**		**05/27/08**		**05/28/08**
		VOCMS Group3	8260		05/30/08	
Z3012-12	**TRC-GW3**	**WATER**		**05/27/08**		**05/28/08**
		VOCMS Group3	8260		05/30/08	
Z3012-13	**TRC-GW4**	**WATER**		**05/27/08**		**05/28/08**
		VOCMS Group3	8260		05/30/08	
Z3012-14	**TRC-GW5**	**WATER**		**05/27/08**		**05/28/08**
		VOCMS Group3	8260		05/30/08	
Z3012-15	**TRC-GW5 (NYCDEP)**	**WATER**		**05/27/08**		**05/28/08**
		VOCMS Group3	8260		05/30/08	
Z3012-16	**TRIP BLANK**	**WATER**		**05/27/08**		**05/28/08**
		VOCMS Group3	8260		05/30/08	

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

Order ID:	Z3012	**Order Date:**	5/28/2008
Client :	TRC Environmental Corp., NY	**Project:**	SCA- Greenpoint Lumber Yard
Contact :	Charles Guder	**Location :**	

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
Z3012-01	**TRC-SB-1(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	05/31/08	
Z3012-01DL	**TRC-SB-1(1-4)DL**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	06/03/08	
Z3012-02	**TRC-SB-1(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	05/31/08	
Z3012-02DL	**TRC-SB-1(4-8)DL**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	06/03/08	
Z3012-03	**TRC-SB-2(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	05/31/08	
Z3012-04	**TRC-SB-2(5-9)**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	05/31/08	
Z3012-04DL	**TRC-SB-2(5-9)DL**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	06/03/08	
Z3012-05	**TRC-SB-3(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	05/31/08	
Z3012-06	**TRC-SB-3(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	05/31/08	
Z3012-07	**TRC-SB-4(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	05/31/08	
Z3012-07DL	**TRC-SB-4(1-4)DL**	**SOIL**			**05/27/08**			**05/28/08**

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LAB CHRONICLE

			SVOCMS Group3	8270		05/30/08	06/03/08	
Z3012-08	**TRC-SB-5(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	05/30/08	
Z3012-09	**TRC-SB-5(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/30/08	05/30/08	
Z3012-10	**TRC-GW1**	**WATER**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/29/08	06/03/08	
Z3012-11	**TRC-GW2**	**WATER**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/29/08	06/03/08	
Z3012-12	**TRC-GW3**	**WATER**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/29/08	06/02/08	
Z3012-13	**TRC-GW4**	**WATER**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/29/08	06/03/08	
Z3012-14	**TRC-GW5**	**WATER**			**05/27/08**			**05/28/08**
			SVOCMS Group3	8270		05/29/08	06/03/08	

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

Order ID:	Z3012	**Order Date:**	5/28/2008
Client :	TRC Environmental Corp., NY	**Project:**	SCA- Greenpoint Lumber Yard
Contact :	Charles Guder	**Location :**	

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
Z3012-02	**TRC-SB-1(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			PCB	8082		05/30/08	06/03/08	
			Pesticide-TCL	8081		05/30/08	05/30/08	
Z3012-06	**TRC-SB-3(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			PCB	8082		05/30/08	06/03/08	
			Pesticide-TCL	8081		05/30/08	05/30/08	
Z3012-09	**TRC-SB-5(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			PCB	8082		05/30/08	06/03/08	
			Pesticide-TCL	8081		05/30/08	05/30/08	
Z3012-15	**TRC-GW5 (NYCDEP)**	**WATER**			**05/27/08**			**05/28/08**
			PCB	608		05/30/08	06/03/08	

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

Order ID:	Z3012	**Order Date:**	5/28/2008
Client :	TRC Environmental Corp., NY	**Project:**	SCA- Greenpoint Lumber Yard
Contact :	Charles Guder	**Location :**	

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
Z3012-01	**TRC-SB-1(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			Mercury	7471		05/30/08	06/02/08	
			Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-02	**TRC-SB-1(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			Mercury	7471		05/30/08	06/02/08	
			Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-03	**TRC-SB-2(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			Mercury	7471		05/30/08	06/02/08	
			Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-04	**TRC-SB-2(5-9)**	**SOIL**			**05/27/08**			**05/28/08**
			Mercury	7471		05/30/08	06/02/08	
			Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-05	**TRC-SB-3(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			Mercury	7471		05/30/08	06/02/08	
			Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-06	**TRC-SB-3(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			Mercury	7471		05/30/08	06/02/08	
			Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-07	**TRC-SB-4(1-4)**	**SOIL**			**05/27/08**			**05/28/08**
			Mercury	7471		05/30/08	06/02/08	
			Metals ICP-RCRA	6010		05/30/08	06/02/08	

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LAB CHRONICLE

Z3012-08	**TRC-SB-5(1-4)**	**SOIL**		**05/27/08**			**05/28/08**
		Mercury	7471		05/30/08	06/02/08	
		Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-09	**TRC-SB-5(4-8)**	**SOIL**		**05/27/08**			**05/28/08**
		Mercury	7471		05/30/08	06/02/08	
		Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-10	**TRC-GW1**	**WATER**		**05/27/08**			**05/28/08**
		Dissolved Mercury	7470		05/30/08	05/30/08	
		Dissolved Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-11	**TRC-GW2**	**WATER**		**05/27/08**			**05/28/08**
		Dissolved Mercury	7470		05/30/08	05/30/08	
		Dissolved Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-12	**TRC-GW3**	**WATER**		**05/27/08**			**05/28/08**
		Dissolved Mercury	7470		05/30/08	05/30/08	
		Dissolved Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-13	**TRC-GW4**	**WATER**		**05/27/08**			**05/28/08**
		Dissolved Mercury	7470		05/30/08	05/30/08	
		Dissolved Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-14	**TRC-GW5**	**WATER**		**05/27/08**			**05/28/08**
		Dissolved Mercury	7470		05/30/08	05/30/08	
		Dissolved Metals ICP-RCRA	6010		05/30/08	06/02/08	
Z3012-15	**TRC-GW5 (NYCDEP)**	**WATER**		**05/27/08**			**05/28/08**
		Mercury	245.1		05/30/08	06/02/08	
		Metals ICP-Group	200.7		05/30/08	06/02/08	

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LAB CHRONICLE

Order ID:	Z3012	**Order Date:**	5/28/2008
Client :	TRC Environmental Corp., NY	**Project:**	SCA- Greenpoint Lumber Yard
Contact :	Charles Guder	**Location :**	

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
Z3012-02	**TRC-SB-1(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			Cyanide	9012		05/30/08	05/30/08	
			Hexavalent Chromium	7196		05/29/08	05/29/08	
			TPH	9071B		05/30/08	05/30/08	
Z3012-06	**TRC-SB-3(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			Cyanide	9012		05/30/08	05/30/08	
			Hexavalent Chromium	7196		05/29/08	05/29/08	
			TPH	9071B		05/30/08	05/30/08	
Z3012-09	**TRC-SB-5(4-8)**	**SOIL**			**05/27/08**			**05/28/08**
			Cyanide	9012		05/30/08	05/30/08	
			Hexavalent Chromium	7196		05/29/08	05/29/08	
			TPH	9071B		05/30/08	05/30/08	
Z3012-15	**TRC-GW5 (NYCDEP)**	**WATER**			**05/27/08**			**05/28/08**
			CBOD5	SM5210 B		05/29/08	05/29/08	
			Chloride	SM4500-CL C		05/30/08	05/30/08	
			Flash Point	1010		05/30/08	05/30/08	
			Hexavalent Chromium	7196		05/29/08	05/29/08	
			Nitrate+Nitrite	300		05/29/08	05/29/08	
			Non-Polar Material	1664		06/02/08	06/02/08	
			pH	SM 4500-PH B		05/30/08	05/30/08	
			Phenolics	9065		06/03/08	06/03/08	
			TKN	SM4500 N Org B		06/02/08	06/02/08	

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LAB CHRONICLE

Total Nitrogen	Cal	06/02/08	06/02/08
TS	SM2540 B	05/29/08	05/29/08
TSS	SM2540 D	05/30/08	05/30/08

CONFORMANCE/ NON-CONFORMANCE SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Z3012 MATRIX: Water & Soil

METHOD: 8260

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
a.	Calibration Check Compounds for 8260 and CLP.			
b.	System Performance Check Compounds for 8260 and CLP			

8260 CALIBRATION CRITERIA

SPCC Compounds	MIN RF	CCC Compounds
Chloromethane	0.1	1,1-Dichloroethene
1,1-Dichloroethane	0.1	Chloroform
Bromoform	0.1	1,2-Dichloropropane
Chlorobenzene	0.3	Toluene
1,1,2,2-Tetrachloroethane	0.3	Ethylbenzene
Vinyl chloride		

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane and 1,2-Dibromo-3-Chloropropane. The MSD recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane and 1,2-Dibromo-3-Chloropropane.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	
	Comments: The Internal Standards Areas met the acceptable requirements except for TRC-SB-3(4-8) and TRC-SB-3(4-8)RE.			
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS: The Continuing Calibration met the requirements except for Bromomethane and Trichlorofluoromethane.

Hilderd Vleys
QA REVIEW

6/16/08
Date

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Z3012 MATRIX: Water & Soil

METHOD: 3510/3541/8270

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.		✓	
a.	Calibration Check Compounds for 8270 and CLP.			
b.	System Performance Check Compounds for 8270 and CLP			

8270 CALIBRATION CRITERIA

SPCC Compounds	MINRF	CCC Compounds Base/Neutral Fraction	CCC Compounds Acid Fraction
N-nitroso-di-n-propylamine	0.050	Acenaphthene	4-Chloro-3-methylphenol
Hexachlorocyclopentadiene	0.050	1,4-Dichlorobenzene	2,4-Dichlorophenol
2,4-Dinitrophenol	0.050	Hexachlorobutadiene	2-Nitrophenol
4-Nitrophenol	0.050	Diphenylamine	Phenol
		Di-n-octyl phthalate	Pentachlorophenol
		Fluoranthene	2,4,6-Trichlorophenol
		Benzo(a)pyrene	

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
11.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

Mildred V Reyes
QA REVIEW

6/16/08
Date

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Z3012 MATRIX: Water & Soil

METHOD: 3510/3541/8082

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds. The MSD recoveries met the acceptable requirements except for gamma-Chlordane.		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
9.	Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

Mildred V Reyes
QA REVIEW

6/16/08
Date

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Z3012 MATRIX: Soil

METHOD: 3541/8082

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
9.	Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

Mildred Reyes
QA REVIEW

6/16/08
Date

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Z3012 MATRIX: Water

METHOD: 608

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
9.	Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

Mildred V Reyes
QA REVIEW

6/16/08
Date

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Z3012 MATRIX: Water & Water

METHOD: 7471/7470/6010

		NA	NO	YES
1.	Calibration Summary met criteria.			✓
2.	ICP Interference Check Sample Results Summary Submitted.			✓
3.	Serial Dilution Summary (if applicable) Submitted.			✓
4.	Laboratory Control Sample Summary (if applicable) Submitted.			✓
5.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
7.	Sample Duplicate Analysis Met QC Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
8.	Digestion Holding Time Met If not met, list number of days exceeded for each sample:			✓
9.	Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

Mildred Vleys
QA REVIEW

6/16/08
Date

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Z3012 MATRIX: Water

METHOD: 6010/7470

		NA	NO	YES
1.	Calibration Summary met criteria.			✓
2.	ICP Interference Check Sample Results Summary Submitted.			✓
3.	Serial Dilution Summary (if applicable) Submitted.			✓
4.	Laboratory Control Sample Summary (if applicable) Submitted.			✓
5.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Met Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
7.	Sample Duplicate Analysis Met QC Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
8.	Digestion Holding Time Met If not met, list number of days exceeded for each sample:			✓
9.	Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

Hilda Vleys
QA REVIEW

6/16/08
Date

TABULATED ANALYTICAL RESULTS

GC/MS VOLATILE ORGANICS

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**14**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019292.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	11	U	29	11	ug/Kg
74-87-3	Chloromethane	7.7	U	29	7.7	ug/Kg
75-01-4	Vinyl chloride	8.0	U	29	8.0	ug/Kg
74-83-9	Bromomethane	12	U	29	12	ug/Kg
75-00-3	Chloroethane	11	U	29	11	ug/Kg
75-69-4	Trichlorofluoromethane	6.9	U	29	6.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	9.8	U	29	9.8	ug/Kg
75-35-4	1,1-Dichloroethene	5.8	U	29	5.8	ug/Kg
67-64-1	Acetone	99	U	150	99	ug/Kg
75-15-0	Carbon disulfide	6.3	U	29	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.2	U	29	5.2	ug/Kg
79-20-9	Methyl Acetate	9.8	U	29	9.8	ug/Kg
75-09-2	Methylene Chloride	14	U	29	14	ug/Kg
156-60-5	trans-1,2-Dichloroethene	7.2	U	29	7.2	ug/Kg
75-34-3	1,1-Dichloroethane	6.5	U	29	6.5	ug/Kg
110-82-7	Cyclohexane	5.9	U	29	5.9	ug/Kg
78-93-3	2-Butanone	29	U	150	29	ug/Kg
56-23-5	Carbon Tetrachloride	3.4	U	29	3.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.5	U	29	7.5	ug/Kg
67-66-3	Chloroform	5.2	U	29	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.5	U	29	5.5	ug/Kg
108-87-2	Methylcyclohexane	4.8	U	29	4.8	ug/Kg
71-43-2	Benzene	4.2	U	29	4.2	ug/Kg
107-06-2	1,2-Dichloroethane	4.8	U	29	4.8	ug/Kg
79-01-6	Trichloroethene	4.2	U	29	4.2	ug/Kg
78-87-5	1,2-Dichloropropane	5.5	U	29	5.5	ug/Kg
75-27-4	Bromodichloromethane	4.1	U	29	4.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	22	U	150	22	ug/Kg
108-88-3	Toluene	5.1	U	29	5.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.9	U	29	4.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.9	U	29	3.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.5	U	29	3.5	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**14**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019292.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	25	U	150	25	ug/Kg
124-48-1	Dibromochloromethane	3.8	U	29	3.8	ug/Kg
106-93-4	1,2-Dibromoethane	4.8	U	29	4.8	ug/Kg
127-18-4	Tetrachloroethene	7.2	U	29	7.2	ug/Kg
108-90-7	Chlorobenzene	4.4	U	29	4.4	ug/Kg
100-41-4	Ethyl Benzene	4.7	U	29	4.7	ug/Kg
126777-61-2	m/p-Xylenes	11	U	58	11	ug/Kg
95-47-6	o-Xylene	4.4	U	29	4.4	ug/Kg
100-42-5	Styrene	3.6	U	29	3.6	ug/Kg
75-25-2	Bromoform	4.7	U	29	4.7	ug/Kg
98-82-8	Isopropylbenzene	4.8	U	29	4.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U	29	5.2	ug/Kg
103-65-1	N-propylbenzene	4.6	U	29	4.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.0	U	29	6.0	ug/Kg
98-06-6	tert-Butylbenzene	4.2	U	29	4.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.5	U	29	4.5	ug/Kg
135-98-8	Sec-butylbenzene	4.9	U	29	4.9	ug/Kg
99-87-6	p-Isopropyltoluene	5.1	U	29	5.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.9	U	29	3.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.5	U	29	4.5	ug/Kg
104-51-8	n-Butylbenzene	5.5	U	29	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.0	U	29	5.0	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U	29	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.8	U	29	3.8	ug/Kg
91-20-3	Naphthalene	22	J	29	3.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.28	95 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	49.22	98 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	46.7	93 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	43.03	86 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	489919	8.22			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**14**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019292.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	916940	8.80			
3114-55-4	Chlorobenzene-d5	816358	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	341184	14.01			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**16**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019293.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	11	U	30	11	ug/Kg
74-87-3	Chloromethane	7.9	U	30	7.9	ug/Kg
75-01-4	Vinyl chloride	8.2	U	30	8.2	ug/Kg
74-83-9	Bromomethane	12	U	30	12	ug/Kg
75-00-3	Chloroethane	11	U	30	11	ug/Kg
75-69-4	Trichlorofluoromethane	7.1	U	30	7.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	30	10	ug/Kg
75-35-4	1,1-Dichloroethene	6.0	U	30	6.0	ug/Kg
67-64-1	Acetone	100	U	150	100	ug/Kg
75-15-0	Carbon disulfide	6.4	U	30	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	30	5.3	ug/Kg
79-20-9	Methyl Acetate	10	U	30	10	ug/Kg
75-09-2	Methylene Chloride	14	U	30	14	ug/Kg
156-60-5	trans-1,2-Dichloroethene	7.3	U	30	7.3	ug/Kg
75-34-3	1,1-Dichloroethane	6.7	U	30	6.7	ug/Kg
110-82-7	Cyclohexane	6.1	U	30	6.1	ug/Kg
78-93-3	2-Butanone	30	U	150	30	ug/Kg
56-23-5	Carbon Tetrachloride	3.5	U	30	3.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.7	U	30	7.7	ug/Kg
67-66-3	Chloroform	5.3	U	30	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.7	U	30	5.7	ug/Kg
108-87-2	Methylcyclohexane	4.9	U	30	4.9	ug/Kg
71-43-2	Benzene	4.3	U	30	4.3	ug/Kg
107-06-2	1,2-Dichloroethane	4.9	U	30	4.9	ug/Kg
79-01-6	Trichloroethene	4.3	U	30	4.3	ug/Kg
78-87-5	1,2-Dichloropropane	5.6	U	30	5.6	ug/Kg
75-27-4	Bromodichloromethane	4.2	U	30	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	23	U	150	23	ug/Kg
108-88-3	Toluene	5.2	U	30	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.0	U	30	5.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.0	U	30	4.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.6	U	30	3.6	ug/Kg

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**16**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019293.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	26	U	150	26	ug/Kg
124-48-1	Dibromochloromethane	3.9	U	30	3.9	ug/Kg
106-93-4	1,2-Dibromoethane	4.9	U	30	4.9	ug/Kg
127-18-4	Tetrachloroethene	7.4	U	30	7.4	ug/Kg
108-90-7	Chlorobenzene	4.5	U	30	4.5	ug/Kg
100-41-4	Ethyl Benzene	4.8	U	30	4.8	ug/Kg
126777-61-2	m/p-Xylenes	11	U	60	11	ug/Kg
95-47-6	o-Xylene	4.5	U	30	4.5	ug/Kg
100-42-5	Styrene	3.7	U	30	3.7	ug/Kg
75-25-2	Bromoform	4.8	U	30	4.8	ug/Kg
98-82-8	Isopropylbenzene	4.9	U	30	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	30	5.3	ug/Kg
103-65-1	N-propylbenzene	4.7	U	30	4.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.2	U	30	6.2	ug/Kg
98-06-6	tert-Butylbenzene	4.3	U	30	4.3	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.6	U	30	4.6	ug/Kg
135-98-8	Sec-butylbenzene	5.0	U	30	5.0	ug/Kg
99-87-6	p-Isopropyltoluene	5.2	U	30	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.0	U	30	4.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.6	U	30	4.6	ug/Kg
104-51-8	n-Butylbenzene	5.6	U	30	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.1	U	30	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	30	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.9	U	30	3.9	ug/Kg
91-20-3	Naphthalene	3.4	U	30	3.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.39	95 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	49.3	99 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	49.82	100 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	47.87	96 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	459401	8.22			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**16**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019293.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	858407	8.81			
3114-55-4	Chlorobenzene-d5	867508	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	367010	14.01			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-03**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**17**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019330.D	1	5/30/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	12	U	31	12	ug/Kg
74-87-3	Chloromethane	8.2	U	31	8.2	ug/Kg
75-01-4	Vinyl chloride	8.5	U	31	8.5	ug/Kg
74-83-9	Bromomethane	12	U	31	12	ug/Kg
75-00-3	Chloroethane	11	U	31	11	ug/Kg
75-69-4	Trichlorofluoromethane	7.3	U	31	7.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	31	10	ug/Kg
75-35-4	1,1-Dichloroethene	6.1	U	31	6.1	ug/Kg
67-64-1	Acetone	100	U	150	100	ug/Kg
75-15-0	Carbon disulfide	6.6	U	31	6.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.5	U	31	5.5	ug/Kg
79-20-9	Methyl Acetate	10	U	31	10	ug/Kg
75-09-2	Methylene Chloride	15	U	31	15	ug/Kg
156-60-5	trans-1,2-Dichloroethene	7.6	U	31	7.6	ug/Kg
75-34-3	1,1-Dichloroethane	6.9	U	31	6.9	ug/Kg
110-82-7	Cyclohexane	6.3	U	31	6.3	ug/Kg
78-93-3	2-Butanone	31	U	150	31	ug/Kg
56-23-5	Carbon Tetrachloride	3.6	U	31	3.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.9	U	31	7.9	ug/Kg
67-66-3	Chloroform	5.5	U	31	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.8	U	31	5.8	ug/Kg
108-87-2	Methylcyclohexane	5.1	U	31	5.1	ug/Kg
71-43-2	Benzene	4.4	U	31	4.4	ug/Kg
107-06-2	1,2-Dichloroethane	5.0	U	31	5.0	ug/Kg
79-01-6	Trichloroethene	4.5	U	31	4.5	ug/Kg
78-87-5	1,2-Dichloropropane	5.8	U	31	5.8	ug/Kg
75-27-4	Bromodichloromethane	4.3	U	31	4.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	23	U	150	23	ug/Kg
108-88-3	Toluene	5.4	U	31	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.2	U	31	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.1	U	31	4.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.7	U	31	3.7	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-03**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**17**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019330.D	1	5/30/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	27	U	150	27	ug/Kg
124-48-1	Dibromochloromethane	4.1	U	31	4.1	ug/Kg
106-93-4	1,2-Dibromoethane	5.0	U	31	5.0	ug/Kg
127-18-4	Tetrachloroethene	7.6	U	31	7.6	ug/Kg
108-90-7	Chlorobenzene	4.7	U	31	4.7	ug/Kg
100-41-4	Ethyl Benzene	4.9	U	31	4.9	ug/Kg
126777-61-2	m/p-Xylenes	11	U	61	11	ug/Kg
95-47-6	o-Xylene	4.7	U	31	4.7	ug/Kg
100-42-5	Styrene	3.8	U	31	3.8	ug/Kg
75-25-2	Bromoform	5.0	U	31	5.0	ug/Kg
98-82-8	Isopropylbenzene	5.0	U	31	5.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U	31	5.5	ug/Kg
103-65-1	N-propylbenzene	4.9	U	31	4.9	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.4	U	31	6.4	ug/Kg
98-06-6	tert-Butylbenzene	4.4	U	31	4.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.8	U	31	4.8	ug/Kg
135-98-8	Sec-butylbenzene	5.2	U	31	5.2	ug/Kg
99-87-6	p-Isopropyltoluene	5.3	U	31	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.1	U	31	4.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.7	U	31	4.7	ug/Kg
104-51-8	n-Butylbenzene	5.8	U	31	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.3	U	31	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.3	U	31	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.1	U	31	4.1	ug/Kg
91-20-3	Naphthalene	3.5	U	31	3.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.93	100 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	52.55	105 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	52.24	104 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	42.09	84 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	401189	8.22			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-03**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**17**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019330.D	1	5/30/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	743185	8.80			
3114-55-4	Chlorobenzene-d5	662971	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	224778	14.01			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**15**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019295.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	12	U	30	12	ug/Kg
74-87-3	Chloromethane	8.0	U	30	8.0	ug/Kg
75-01-4	Vinyl chloride	8.3	U	30	8.3	ug/Kg
74-83-9	Bromomethane	12	U	30	12	ug/Kg
75-00-3	Chloroethane	11	U	30	11	ug/Kg
75-69-4	Trichlorofluoromethane	7.1	U	30	7.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	30	10	ug/Kg
75-35-4	1,1-Dichloroethene	6.0	U	30	6.0	ug/Kg
67-64-1	Acetone	100	U	150	100	ug/Kg
75-15-0	Carbon disulfide	6.5	U	30	6.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	30	5.3	ug/Kg
79-20-9	Methyl Acetate	10	U	30	10	ug/Kg
75-09-2	Methylene Chloride	15	U	30	15	ug/Kg
156-60-5	trans-1,2-Dichloroethene	7.4	U	30	7.4	ug/Kg
75-34-3	1,1-Dichloroethane	6.7	U	30	6.7	ug/Kg
110-82-7	Cyclohexane	6.1	U	30	6.1	ug/Kg
78-93-3	2-Butanone	30	U	150	30	ug/Kg
56-23-5	Carbon Tetrachloride	3.5	U	30	3.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.7	U	30	7.7	ug/Kg
67-66-3	Chloroform	5.3	U	30	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.7	U	30	5.7	ug/Kg
108-87-2	Methylcyclohexane	5.0	U	30	5.0	ug/Kg
71-43-2	Benzene	4.3	U	30	4.3	ug/Kg
107-06-2	1,2-Dichloroethane	4.9	U	30	4.9	ug/Kg
79-01-6	Trichloroethene	4.4	U	30	4.4	ug/Kg
78-87-5	1,2-Dichloropropane	5.6	U	30	5.6	ug/Kg
75-27-4	Bromodichloromethane	4.2	U	30	4.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	23	U	150	23	ug/Kg
108-88-3	Toluene	5.3	U	30	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.0	U	30	5.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.0	U	30	4.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.7	U	30	3.7	ug/Kg

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B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**15**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019295.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	26	U	150	26	ug/Kg
124-48-1	Dibromochloromethane	4.0	U	30	4.0	ug/Kg
106-93-4	1,2-Dibromoethane	4.9	U	30	4.9	ug/Kg
127-18-4	Tetrachloroethene	7.4	U	30	7.4	ug/Kg
108-90-7	Chlorobenzene	4.6	U	30	4.6	ug/Kg
100-41-4	Ethyl Benzene	4.8	U	30	4.8	ug/Kg
126777-61-2	m/p-Xylenes	11	U	60	11	ug/Kg
95-47-6	o-Xylene	4.6	U	30	4.6	ug/Kg
100-42-5	Styrene	3.7	U	30	3.7	ug/Kg
75-25-2	Bromoform	4.9	U	30	4.9	ug/Kg
98-82-8	Isopropylbenzene	4.9	U	30	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	30	5.3	ug/Kg
103-65-1	N-propylbenzene	4.7	U	30	4.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.2	U	30	6.2	ug/Kg
98-06-6	tert-Butylbenzene	4.3	U	30	4.3	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.7	U	30	4.7	ug/Kg
135-98-8	Sec-butylbenzene	5.0	U	30	5.0	ug/Kg
99-87-6	p-Isopropyltoluene	5.2	U	30	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.0	U	30	4.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.6	U	30	4.6	ug/Kg
104-51-8	n-Butylbenzene	5.6	U	30	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.2	U	30	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	30	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.0	U	30	4.0	ug/Kg
91-20-3	Naphthalene	3.4	U	30	3.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.35	97 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	50.51	101 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	50.21	100 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	47.07	94 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	449809	8.22			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**15**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019295.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	800694	8.81			
3114-55-4	Chlorobenzene-d5	798048	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	296346	14.01			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-05**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**13**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019307.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	11	U	30	11	ug/Kg
74-87-3	Chloromethane	7.9	U	30	7.9	ug/Kg
75-01-4	Vinyl chloride	8.2	U	30	8.2	ug/Kg
74-83-9	Bromomethane	12	U	30	12	ug/Kg
75-00-3	Chloroethane	11	U	30	11	ug/Kg
75-69-4	Trichlorofluoromethane	7.1	U	30	7.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	30	10	ug/Kg
75-35-4	1,1-Dichloroethene	5.9	U	30	5.9	ug/Kg
67-64-1	Acetone	100	U	150	100	ug/Kg
75-15-0	Carbon disulfide	6.4	U	30	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	30	5.3	ug/Kg
79-20-9	Methyl Acetate	10	U	30	10	ug/Kg
75-09-2	Methylene Chloride	14	U	30	14	ug/Kg
156-60-5	trans-1,2-Dichloroethene	7.3	U	30	7.3	ug/Kg
75-34-3	1,1-Dichloroethane	6.6	U	30	6.6	ug/Kg
110-82-7	Cyclohexane	6.0	U	30	6.0	ug/Kg
78-93-3	2-Butanone	30	U	150	30	ug/Kg
56-23-5	Carbon Tetrachloride	3.5	U	30	3.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.6	U	30	7.6	ug/Kg
67-66-3	Chloroform	5.3	U	30	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.6	U	30	5.6	ug/Kg
108-87-2	Methylcyclohexane	4.9	U	30	4.9	ug/Kg
71-43-2	Benzene	4.3	U	30	4.3	ug/Kg
107-06-2	1,2-Dichloroethane	4.9	U	30	4.9	ug/Kg
79-01-6	Trichloroethene	4.3	U	30	4.3	ug/Kg
78-87-5	1,2-Dichloropropane	5.6	U	30	5.6	ug/Kg
75-27-4	Bromodichloromethane	4.1	U	30	4.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	23	U	150	23	ug/Kg
108-88-3	Toluene	5.2	U	30	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.0	U	30	5.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.0	U	30	4.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.6	U	30	3.6	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-05**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**13**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019307.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	26	U	150	26	ug/Kg
124-48-1	Dibromochloromethane	3.9	U	30	3.9	ug/Kg
106-93-4	1,2-Dibromoethane	4.9	U	30	4.9	ug/Kg
127-18-4	Tetrachloroethene	7.3	U	30	7.3	ug/Kg
108-90-7	Chlorobenzene	4.5	U	30	4.5	ug/Kg
100-41-4	Ethyl Benzene	4.7	U	30	4.7	ug/Kg
126777-61-2	m/p-Xylenes	11	U	59	11	ug/Kg
95-47-6	o-Xylene	4.5	U	30	4.5	ug/Kg
100-42-5	Styrene	3.7	U	30	3.7	ug/Kg
75-25-2	Bromoform	4.8	U	30	4.8	ug/Kg
98-82-8	Isopropylbenzene	4.9	U	30	4.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	30	5.3	ug/Kg
103-65-1	N-propylbenzene	4.7	U	30	4.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.2	U	30	6.2	ug/Kg
98-06-6	tert-Butylbenzene	4.3	U	30	4.3	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.6	U	30	4.6	ug/Kg
135-98-8	Sec-butylbenzene	5.0	U	30	5.0	ug/Kg
99-87-6	p-Isopropyltoluene	5.2	U	30	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.0	U	30	4.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.6	U	30	4.6	ug/Kg
104-51-8	n-Butylbenzene	5.6	U	30	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.1	U	30	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.0	U	30	6.0	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.9	U	30	3.9	ug/Kg
91-20-3	Naphthalene	3.4	U	30	3.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.91	106 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	54.52	109 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	48.73	97 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	42.17	84 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	366294	8.23			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-05**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**13**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019307.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	691856	8.81			
3114-55-4	Chlorobenzene-d5	671885	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	231903	14.01			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**11**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019297.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	11	U	28	11	ug/Kg
74-87-3	Chloromethane	7.5	U	28	7.5	ug/Kg
75-01-4	Vinyl chloride	7.8	U	28	7.8	ug/Kg
74-83-9	Bromomethane	11	U	28	11	ug/Kg
75-00-3	Chloroethane	10	U	28	10	ug/Kg
75-69-4	Trichlorofluoromethane	6.7	U	28	6.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	9.4	U	28	9.4	ug/Kg
75-35-4	1,1-Dichloroethene	5.6	U	28	5.6	ug/Kg
67-64-1	Acetone	96	U	140	96	ug/Kg
75-15-0	Carbon disulfide	6.1	U	28	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.0	U	28	5.0	ug/Kg
79-20-9	Methyl Acetate	9.5	U	28	9.5	ug/Kg
75-09-2	Methylene Chloride	14	U	28	14	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.9	U	28	6.9	ug/Kg
75-34-3	1,1-Dichloroethane	6.3	U	28	6.3	ug/Kg
110-82-7	Cyclohexane	5.7	U	28	5.7	ug/Kg
78-93-3	2-Butanone	28	U	140	28	ug/Kg
56-23-5	Carbon Tetrachloride	3.3	U	28	3.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.2	U	28	7.2	ug/Kg
67-66-3	Chloroform	5.0	U	28	5.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.3	U	28	5.3	ug/Kg
108-87-2	Methylcyclohexane	4.7	U	28	4.7	ug/Kg
71-43-2	Benzene	4.0	U	28	4.0	ug/Kg
107-06-2	1,2-Dichloroethane	4.6	U	28	4.6	ug/Kg
79-01-6	Trichloroethene	4.1	U	28	4.1	ug/Kg
78-87-5	1,2-Dichloropropane	5.3	U	28	5.3	ug/Kg
75-27-4	Bromodichloromethane	3.9	U	28	3.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	21	U	140	21	ug/Kg
108-88-3	Toluene	4.9	U	28	4.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.7	U	28	4.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.8	U	28	3.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.4	U	28	3.4	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**11**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019297.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	25	U	140	25	ug/Kg
124-48-1	Dibromochloromethane	3.7	U	28	3.7	ug/Kg
106-93-4	1,2-Dibromoethane	4.6	U	28	4.6	ug/Kg
127-18-4	Tetrachloroethene	7.0	U	28	7.0	ug/Kg
108-90-7	Chlorobenzene	4.3	U	28	4.3	ug/Kg
100-41-4	Ethyl Benzene	4.5	U	28	4.5	ug/Kg
126777-61-2	m/p-Xylenes	10	U	56	10	ug/Kg
95-47-6	o-Xylene	4.3	U	28	4.3	ug/Kg
100-42-5	Styrene	3.5	U	28	3.5	ug/Kg
75-25-2	Bromoform	4.6	U	28	4.6	ug/Kg
98-82-8	Isopropylbenzene	4.6	U	28	4.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	28	5.0	ug/Kg
103-65-1	N-propylbenzene	4.4	U	28	4.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.8	U	28	5.8	ug/Kg
98-06-6	tert-Butylbenzene	4.0	U	28	4.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.4	U	28	4.4	ug/Kg
135-98-8	Sec-butylbenzene	4.7	U	28	4.7	ug/Kg
99-87-6	p-Isopropyltoluene	4.9	U	28	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.8	U	28	3.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.3	U	28	4.3	ug/Kg
104-51-8	n-Butylbenzene	5.3	U	28	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.8	U	28	4.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U	28	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.7	U	28	3.7	ug/Kg
91-20-3	Naphthalene	3.2	U	28	3.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.51	113 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	53.83	108 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	48.53	97 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	33.1	66 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	336236	8.23			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**11**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019297.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	637241	8.81			
3114-55-4	Chlorobenzene-d5	553370	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	139759	14.01			
TENTITIVE IDENTIFIED COMPOUNDS						
000540-84-1	Pentane, 2,2,4-trimethyl-	57	J	8.09		ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)RE**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06RE**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**11**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019308.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	11	U	28	11	ug/Kg
74-87-3	Chloromethane	7.5	U	28	7.5	ug/Kg
75-01-4	Vinyl chloride	7.8	U	28	7.8	ug/Kg
74-83-9	Bromomethane	12	U	28	12	ug/Kg
75-00-3	Chloroethane	10	U	28	10	ug/Kg
75-69-4	Trichlorofluoromethane	6.8	U	28	6.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	9.5	U	28	9.5	ug/Kg
75-35-4	1,1-Dichloroethene	5.7	U	28	5.7	ug/Kg
67-64-1	Acetone	97	U	140	97	ug/Kg
75-15-0	Carbon disulfide	6.1	U	28	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.1	U	28	5.1	ug/Kg
79-20-9	Methyl Acetate	9.6	U	28	9.6	ug/Kg
75-09-2	Methylene Chloride	14	U	28	14	ug/Kg
156-60-5	trans-1,2-Dichloroethene	7.0	U	28	7.0	ug/Kg
75-34-3	1,1-Dichloroethane	6.4	U	28	6.4	ug/Kg
110-82-7	Cyclohexane	5.8	U	28	5.8	ug/Kg
78-93-3	2-Butanone	28	U	140	28	ug/Kg
56-23-5	Carbon Tetrachloride	3.3	U	28	3.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.3	U	28	7.3	ug/Kg
67-66-3	Chloroform	5.1	U	28	5.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.4	U	28	5.4	ug/Kg
108-87-2	Methylcyclohexane	4.7	U	28	4.7	ug/Kg
71-43-2	Benzene	4.1	U	28	4.1	ug/Kg
107-06-2	1,2-Dichloroethane	4.7	U	28	4.7	ug/Kg
79-01-6	Trichloroethene	4.1	U	28	4.1	ug/Kg
78-87-5	1,2-Dichloropropane	5.3	U	28	5.3	ug/Kg
75-27-4	Bromodichloromethane	4.0	U	28	4.0	ug/Kg
108-10-1	4-Methyl-2-Pentanone	22	U	140	22	ug/Kg
108-88-3	Toluene	5.0	U	28	5.0	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.8	U	28	4.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.8	U	28	3.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.5	U	28	3.5	ug/Kg

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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)RE**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06RE**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**11**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019308.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	25	U	140	25	ug/Kg
124-48-1	Dibromochloromethane	3.7	U	28	3.7	ug/Kg
106-93-4	1,2-Dibromoethane	4.7	U	28	4.7	ug/Kg
127-18-4	Tetrachloroethene	7.0	U	28	7.0	ug/Kg
108-90-7	Chlorobenzene	4.3	U	28	4.3	ug/Kg
100-41-4	Ethyl Benzene	4.5	U	28	4.5	ug/Kg
126777-61-2	m/p-Xylenes	11	U	57	11	ug/Kg
95-47-6	o-Xylene	4.3	U	28	4.3	ug/Kg
100-42-5	Styrene	3.5	U	28	3.5	ug/Kg
75-25-2	Bromoform	4.6	U	28	4.6	ug/Kg
98-82-8	Isopropylbenzene	4.7	U	28	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U	28	5.1	ug/Kg
103-65-1	N-propylbenzene	4.5	U	28	4.5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.9	U	28	5.9	ug/Kg
98-06-6	tert-Butylbenzene	4.1	U	28	4.1	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.4	U	28	4.4	ug/Kg
135-98-8	Sec-butylbenzene	4.8	U	28	4.8	ug/Kg
99-87-6	p-Isopropyltoluene	4.9	U	28	4.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.8	U	28	3.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.4	U	28	4.4	ug/Kg
104-51-8	n-Butylbenzene	5.3	U	28	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.9	U	28	4.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U	28	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.7	U	28	3.7	ug/Kg
91-20-3	Naphthalene	3.2	U	28	3.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.94	122 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	57.63	115 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	49.14	98 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	35.57	71 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268643	8.23			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)RE**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06RE**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**11**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019308.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	507319	8.81			
3114-55-4	Chlorobenzene-d5	444783	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	115979	14.01			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**6**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019298.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10	U	27	10	ug/Kg
74-87-3	Chloromethane	7.1	U	27	7.1	ug/Kg
75-01-4	Vinyl chloride	7.4	U	27	7.4	ug/Kg
74-83-9	Bromomethane	11	U	27	11	ug/Kg
75-00-3	Chloroethane	9.9	U	27	9.9	ug/Kg
75-69-4	Trichlorofluoromethane	6.4	U	27	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	9.0	U	27	9.0	ug/Kg
75-35-4	1,1-Dichloroethene	5.4	U	27	5.4	ug/Kg
67-64-1	Acetone	91	U	130	91	ug/Kg
75-15-0	Carbon disulfide	5.8	U	27	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.8	U	27	4.8	ug/Kg
79-20-9	Methyl Acetate	9.1	U	27	9.1	ug/Kg
75-09-2	Methylene Chloride	13	U	27	13	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.6	U	27	6.6	ug/Kg
75-34-3	1,1-Dichloroethane	6.0	U	27	6.0	ug/Kg
110-82-7	Cyclohexane	5.5	U	27	5.5	ug/Kg
78-93-3	2-Butanone	27	U	130	27	ug/Kg
56-23-5	Carbon Tetrachloride	3.2	U	27	3.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.9	U	27	6.9	ug/Kg
67-66-3	Chloroform	4.8	U	27	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.1	U	27	5.1	ug/Kg
108-87-2	Methylcyclohexane	4.5	U	27	4.5	ug/Kg
71-43-2	Benzene	3.9	U	27	3.9	ug/Kg
107-06-2	1,2-Dichloroethane	4.4	U	27	4.4	ug/Kg
79-01-6	Trichloroethene	3.9	U	27	3.9	ug/Kg
78-87-5	1,2-Dichloropropane	5.1	U	27	5.1	ug/Kg
75-27-4	Bromodichloromethane	3.8	U	27	3.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	21	U	130	21	ug/Kg
108-88-3	Toluene	4.7	U	27	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.5	U	27	4.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.6	U	27	3.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.3	U	27	3.3	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**6**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019298.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	23	U	130	23	ug/Kg
124-48-1	Dibromochloromethane	3.5	U	27	3.5	ug/Kg
106-93-4	1,2-Dibromoethane	4.4	U	27	4.4	ug/Kg
127-18-4	Tetrachloroethene	6.7	U	27	6.7	ug/Kg
108-90-7	Chlorobenzene	4.1	U	27	4.1	ug/Kg
100-41-4	Ethyl Benzene	4.3	U	27	4.3	ug/Kg
126777-61-2	m/p-Xylenes	10	U	54	10	ug/Kg
95-47-6	o-Xylene	4.1	U	27	4.1	ug/Kg
100-42-5	Styrene	3.3	U	27	3.3	ug/Kg
75-25-2	Bromoform	4.4	U	27	4.4	ug/Kg
98-82-8	Isopropylbenzene	4.4	U	27	4.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U	27	4.8	ug/Kg
103-65-1	N-propylbenzene	4.2	U	27	4.2	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.6	U	27	5.6	ug/Kg
98-06-6	tert-Butylbenzene	3.9	U	27	3.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.2	U	27	4.2	ug/Kg
135-98-8	Sec-butylbenzene	4.5	U	27	4.5	ug/Kg
99-87-6	p-Isopropyltoluene	4.7	U	27	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.6	U	27	3.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.1	U	27	4.1	ug/Kg
104-51-8	n-Butylbenzene	5.1	U	27	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.6	U	27	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.5	U	27	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.5	U	27	3.5	ug/Kg
91-20-3	Naphthalene	3.1	U	27	3.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.15	104 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	51.8	104 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	48.45	97 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	38.98	78 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	394373	8.22			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**6**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019298.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	732642	8.80			
3114-55-4	Chlorobenzene-d5	666654	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	216117	14.01			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-08**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**16**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019299.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	12	U	30	12	ug/Kg
74-87-3	Chloromethane	8.1	U	30	8.1	ug/Kg
75-01-4	Vinyl chloride	8.4	U	30	8.4	ug/Kg
74-83-9	Bromomethane	12	U	30	12	ug/Kg
75-00-3	Chloroethane	11	U	30	11	ug/Kg
75-69-4	Trichlorofluoromethane	7.2	U	30	7.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	30	10	ug/Kg
75-35-4	1,1-Dichloroethene	6.1	U	30	6.1	ug/Kg
67-64-1	Acetone	100	U	150	100	ug/Kg
75-15-0	Carbon disulfide	6.6	U	30	6.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.4	U	30	5.4	ug/Kg
79-20-9	Methyl Acetate	10	U	30	10	ug/Kg
75-09-2	Methylene Chloride	15	U	30	15	ug/Kg
156-60-5	trans-1,2-Dichloroethene	7.5	U	30	7.5	ug/Kg
75-34-3	1,1-Dichloroethane	6.8	U	30	6.8	ug/Kg
110-82-7	Cyclohexane	6.2	U	30	6.2	ug/Kg
78-93-3	2-Butanone	30	U	150	30	ug/Kg
56-23-5	Carbon Tetrachloride	3.6	U	30	3.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.8	U	30	7.8	ug/Kg
67-66-3	Chloroform	5.4	U	30	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.8	U	30	5.8	ug/Kg
108-87-2	Methylcyclohexane	5.0	U	30	5.0	ug/Kg
71-43-2	Benzene	4.4	U	30	4.4	ug/Kg
107-06-2	1,2-Dichloroethane	5.0	U	30	5.0	ug/Kg
79-01-6	Trichloroethene	4.4	U	30	4.4	ug/Kg
78-87-5	1,2-Dichloropropane	5.7	U	30	5.7	ug/Kg
75-27-4	Bromodichloromethane	4.3	U	30	4.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	23	U	150	23	ug/Kg
108-88-3	Toluene	5.3	U	30	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.1	U	30	5.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.1	U	30	4.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.7	U	30	3.7	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-08**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**16**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019299.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	27	U	150	27	ug/Kg
124-48-1	Dibromochloromethane	4.0	U	30	4.0	ug/Kg
106-93-4	1,2-Dibromoethane	5.0	U	30	5.0	ug/Kg
127-18-4	Tetrachloroethene	7.5	U	30	7.5	ug/Kg
108-90-7	Chlorobenzene	4.6	U	30	4.6	ug/Kg
100-41-4	Ethyl Benzene	4.9	U	30	4.9	ug/Kg
126777-61-2	m/p-Xylenes	11	U	61	11	ug/Kg
95-47-6	o-Xylene	4.6	U	30	4.6	ug/Kg
100-42-5	Styrene	3.8	U	30	3.8	ug/Kg
75-25-2	Bromoform	4.9	U	30	4.9	ug/Kg
98-82-8	Isopropylbenzene	5.0	U	30	5.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U	30	5.4	ug/Kg
103-65-1	N-propylbenzene	4.8	U	30	4.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.3	U	30	6.3	ug/Kg
98-06-6	tert-Butylbenzene	4.4	U	30	4.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.7	U	30	4.7	ug/Kg
135-98-8	Sec-butylbenzene	5.1	U	30	5.1	ug/Kg
99-87-6	p-Isopropyltoluene	5.3	U	30	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.1	U	30	4.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.7	U	30	4.7	ug/Kg
104-51-8	n-Butylbenzene	5.7	U	30	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.2	U	30	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U	30	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.0	U	30	4.0	ug/Kg
91-20-3	Naphthalene	3.5	U	30	3.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.69	103 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	50.22	100 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	48.26	97 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	44.06	88 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	394518	8.23			

U = Not Detected
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-08**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**16**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019299.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	766461	8.81			
3114-55-4	Chlorobenzene-d5	743664	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	277750	14.01			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**10**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019300.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10	U	27	10	ug/Kg
74-87-3	Chloromethane	7.2	U	27	7.2	ug/Kg
75-01-4	Vinyl chloride	7.4	U	27	7.4	ug/Kg
74-83-9	Bromomethane	11	U	27	11	ug/Kg
75-00-3	Chloroethane	10	U	27	10	ug/Kg
75-69-4	Trichlorofluoromethane	6.4	U	27	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	9.1	U	27	9.1	ug/Kg
75-35-4	1,1-Dichloroethene	5.4	U	27	5.4	ug/Kg
67-64-1	Acetone	92	U	130	92	ug/Kg
75-15-0	Carbon disulfide	5.8	U	27	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.8	U	27	4.8	ug/Kg
79-20-9	Methyl Acetate	9.1	U	27	9.1	ug/Kg
75-09-2	Methylene Chloride	13	U	27	13	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.6	U	27	6.6	ug/Kg
75-34-3	1,1-Dichloroethane	6.0	U	27	6.0	ug/Kg
110-82-7	Cyclohexane	5.5	U	27	5.5	ug/Kg
78-93-3	2-Butanone	27	U	130	27	ug/Kg
56-23-5	Carbon Tetrachloride	3.2	U	27	3.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.0	U	27	7.0	ug/Kg
67-66-3	Chloroform	4.8	U	27	4.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.1	U	27	5.1	ug/Kg
108-87-2	Methylcyclohexane	4.5	U	27	4.5	ug/Kg
71-43-2	Benzene	3.9	U	27	3.9	ug/Kg
107-06-2	1,2-Dichloroethane	4.4	U	27	4.4	ug/Kg
79-01-6	Trichloroethene	3.9	U	27	3.9	ug/Kg
78-87-5	1,2-Dichloropropane	5.1	U	27	5.1	ug/Kg
75-27-4	Bromodichloromethane	3.8	U	27	3.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	21	U	130	21	ug/Kg
108-88-3	Toluene	4.7	U	27	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.5	U	27	4.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.6	U	27	3.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.3	U	27	3.3	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**10**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019300.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	24	U	130	24	ug/Kg
124-48-1	Dibromochloromethane	3.6	U	27	3.6	ug/Kg
106-93-4	1,2-Dibromoethane	4.4	U	27	4.4	ug/Kg
127-18-4	Tetrachloroethene	6.7	U	27	6.7	ug/Kg
108-90-7	Chlorobenzene	4.1	U	27	4.1	ug/Kg
100-41-4	Ethyl Benzene	4.3	U	27	4.3	ug/Kg
126777-61-2	m/p-Xylenes	10	U	54	10	ug/Kg
95-47-6	o-Xylene	4.1	U	27	4.1	ug/Kg
100-42-5	Styrene	3.3	U	27	3.3	ug/Kg
75-25-2	Bromoform	4.4	U	27	4.4	ug/Kg
98-82-8	Isopropylbenzene	4.4	U	27	4.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U	27	4.8	ug/Kg
103-65-1	N-propylbenzene	4.3	U	27	4.3	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.6	U	27	5.6	ug/Kg
98-06-6	tert-Butylbenzene	3.9	U	27	3.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4.2	U	27	4.2	ug/Kg
135-98-8	Sec-butylbenzene	4.5	U	27	4.5	ug/Kg
99-87-6	p-Isopropyltoluene	4.7	U	27	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.6	U	27	3.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.2	U	27	4.2	ug/Kg
104-51-8	n-Butylbenzene	5.1	U	27	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.6	U	27	4.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.5	U	27	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.6	U	27	3.6	ug/Kg
91-20-3	Naphthalene	3.1	U	27	3.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.66	107 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	53.19	106 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	47.97	96 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	40.21	80 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	341403	8.23			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**10**
Sample Wt/Wol:	**1.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019300.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	647509	8.81			
3114-55-4	Chlorobenzene-d5	629623	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	214394	14.02			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW1**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-10**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008724.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW1**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-10**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008724.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	5.0	0.18	ug/L
98-06-6	tert-Butylbenzene	0.27	U	5.0	0.27	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.32	U	5.0	0.32	ug/L
135-98-8	Sec-butylbenzene	0.26	U	5.0	0.26	ug/L
99-87-6	p-Isopropyltoluene	0.26	U	5.0	0.26	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
104-51-8	n-Butylbenzene	0.29	U	5.0	0.29	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
91-20-3	Naphthalene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.94	104 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	51.93	104 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	49.67	99 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	47.97	96 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201349	9.36			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW1**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-10**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008724.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	288388	10.46			
3114-55-4	Chlorobenzene-d5	296648	14.90			
3855-82-1	1,4-Dichlorobenzene-d4	170043	18.70			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW2**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-11**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008725.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW2**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-11**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008725.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	5.0	0.18	ug/L
98-06-6	tert-Butylbenzene	0.27	U	5.0	0.27	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.32	U	5.0	0.32	ug/L
135-98-8	Sec-butylbenzene	0.26	U	5.0	0.26	ug/L
99-87-6	p-Isopropyltoluene	0.26	U	5.0	0.26	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
104-51-8	n-Butylbenzene	0.29	U	5.0	0.29	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
91-20-3	Naphthalene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.38	105 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	51.35	103 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	49.71	99 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	48.02	96 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	192694	9.36			

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW2**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-11**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008725.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	268856	10.47			
3114-55-4	Chlorobenzene-d5	279090	14.89			
3855-82-1	1,4-Dichlorobenzene-d4	159592	18.71			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW3**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-12**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008726.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.87	J	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW3**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-12**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008726.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	5.0	0.18	ug/L
98-06-6	tert-Butylbenzene	0.27	U	5.0	0.27	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.32	U	5.0	0.32	ug/L
135-98-8	Sec-butylbenzene	0.26	U	5.0	0.26	ug/L
99-87-6	p-Isopropyltoluene	0.26	U	5.0	0.26	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
104-51-8	n-Butylbenzene	0.29	U	5.0	0.29	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
91-20-3	Naphthalene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.41	107 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	52.01	104 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	49.83	100 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	48.31	97 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176933	9.37			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW3**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-12**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008726.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	254348	10.47			
3114-55-4	Chlorobenzene-d5	259759	14.90			
3855-82-1	1,4-Dichlorobenzene-d4	151142	18.71			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW4**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-13**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008727.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW4**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-13**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008727.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	5.0	0.18	ug/L
98-06-6	tert-Butylbenzene	0.27	U	5.0	0.27	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.32	U	5.0	0.32	ug/L
135-98-8	Sec-butylbenzene	0.26	U	5.0	0.26	ug/L
99-87-6	p-Isopropyltoluene	0.26	U	5.0	0.26	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
104-51-8	n-Butylbenzene	0.29	U	5.0	0.29	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
91-20-3	Naphthalene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.26	109 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	51.47	103 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	50.26	101 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	48.08	96 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181964	9.36			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW4**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-13**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008727.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	262783	10.47			
3114-55-4	Chlorobenzene-d5	275296	14.90			
3855-82-1	1,4-Dichlorobenzene-d4	155838	18.71			

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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-14**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008728.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	17		5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-14**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008728.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	5.0	0.18	ug/L
98-06-6	tert-Butylbenzene	0.27	U	5.0	0.27	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.32	U	5.0	0.32	ug/L
135-98-8	Sec-butylbenzene	0.26	U	5.0	0.26	ug/L
99-87-6	p-Isopropyltoluene	0.26	U	5.0	0.26	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
104-51-8	n-Butylbenzene	0.29	U	5.0	0.29	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
91-20-3	Naphthalene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.91	108 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	51.29	103 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	50.01	100 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	48.89	98 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	185453	9.37			

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-14**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008728.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	262436	10.47			
3114-55-4	Chlorobenzene-d5	270927	14.91			
3855-82-1	1,4-Dichlorobenzene-d4	157195	18.71			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5 (NYCDEP)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-15**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008729.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	19		5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5 (NYCDEP)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-15**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008729.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	5.0	0.18	ug/L
98-06-6	tert-Butylbenzene	0.27	U	5.0	0.27	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.32	U	5.0	0.32	ug/L
135-98-8	Sec-butylbenzene	0.26	U	5.0	0.26	ug/L
99-87-6	p-Isopropyltoluene	0.26	U	5.0	0.26	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
104-51-8	n-Butylbenzene	0.29	U	5.0	0.29	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
91-20-3	Naphthalene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.49	109 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	51.64	103 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	49.68	99 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	47.74	95 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174955	9.37			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5 (NYCDEP)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-15**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008729.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	254747	10.47			
3114-55-4	Chlorobenzene-d5	263290	14.91			
3855-82-1	1,4-Dichlorobenzene-d4	151789	18.71			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRIP BLANK**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-16**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008723.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRIP BLANK**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-16**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008723.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	5.0	0.18	ug/L
98-06-6	tert-Butylbenzene	0.27	U	5.0	0.27	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.32	U	5.0	0.32	ug/L
135-98-8	Sec-butylbenzene	0.26	U	5.0	0.26	ug/L
99-87-6	p-Isopropyltoluene	0.26	U	5.0	0.26	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
104-51-8	n-Butylbenzene	0.29	U	5.0	0.29	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
91-20-3	Naphthalene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.62	97 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	50.78	102 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	49.14	98 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	48.1	96 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	204686	9.36			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRIP BLANK**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-16**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008723.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	283988	10.45			
3114-55-4	Chlorobenzene-d5	285927	14.89			
3855-82-1	1,4-Dichlorobenzene-d4	173928	18.70			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

QUALITY CONTROL SUMMARY REPORTS

GC/MS VOLATILE ORGANICS

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BS0530W3	VLCS01	1,2-Dichloroethane-d4	50	55.64	111		75.00	124.00
		Dibromofluoromethane	50	53.98	108		84.00	122.00
		Toluene-d8	50	51.06	102		83.00	117.00
		4-Bromofluorobenzene	50	50.1	100		74.00	123.00
BS0530W4	VLCS02	1,2-Dichloroethane-d4	50	54.28	109		75.00	124.00
		Dibromofluoromethane	50	51.75	104		84.00	122.00
		Toluene-d8	50	50.51	101		83.00	117.00
		4-Bromofluorobenzene	50	50.4	101		74.00	123.00
BSI0529S2	VLCS03	1,2-Dichloroethane-d4	50	52.6	105		54.00	142.00
		Dibromofluoromethane	50	53.47	107		54.00	141.00
		Toluene-d8	50	48.75	98		63.00	124.00
		4-Bromofluorobenzene	50	53.34	107		50.00	133.00
BSI0530S1	VLCS04	1,2-Dichloroethane-d4	50	55.19	110		54.00	142.00
		Dibromofluoromethane	50	50.66	101		54.00	141.00
		Toluene-d8	50	46.86	94		63.00	124.00
		4-Bromofluorobenzene	50	51.09	102		50.00	133.00
VBE0530W2	VBLK01	1,2-Dichloroethane-d4	50	52.02	104		75.00	124.00
		Dibromofluoromethane	50	49.76	100		84.00	122.00
		Toluene-d8	50	49.57	99		83.00	117.00
		4-Bromofluorobenzene	50	48.79	98		74.00	123.00
VBI0529S1	VBLK02	1,2-Dichloroethane-d4	50	48.23	96		54.00	142.00
		Dibromofluoromethane	50	52.01	104		54.00	141.00
		Toluene-d8	50	47.35	95		63.00	124.00
		4-Bromofluorobenzene	50	49.1	98		50.00	133.00
VBI0530S2	VBLK03	1,2-Dichloroethane-d4	50	52.7	105		54.00	142.00
		Dibromofluoromethane	50	51.26	103		54.00	141.00
		Toluene-d8	50	52.03	104		63.00	124.00
		4-Bromofluorobenzene	50	52.17	104		50.00	133.00
Z3012-01	TRC-SB-1(1-4)	1,2-Dichloroethane-d4	50	47.28	95		54.00	142.00
		Dibromofluoromethane	50	49.22	98		54.00	141.00
		Toluene-d8	50	46.7	93		63.00	124.00
		4-Bromofluorobenzene	50	43.03	86		50.00	133.00
Z3012-02	TRC-SB-1(4-8)	1,2-Dichloroethane-d4	50	47.39	95		54.00	142.00
		Dibromofluoromethane	50	49.3	99		54.00	141.00
		Toluene-d8	50	49.82	100		63.00	124.00
		4-Bromofluorobenzene	50	47.87	96		50.00	133.00
Z3012-02MS	TRC-SB-1(4-8)MS	1,2-Dichloroethane-d4	50	50.32	101		54.00	142.00
		Dibromofluoromethane	50	49.68	99		54.00	141.00
		Toluene-d8	50	50.18	100		63.00	124.00
		4-Bromofluorobenzene	50	51.06	102		50.00	133.00
Z3012-02MSD	TRC-SB-1(4-8)MSD	1,2-Dichloroethane-d4	50	45.45	91		54.00	142.00

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Z3012-02MSD	TRC-SB-1(4-8)MSD	Dibromofluoromethane	50	50	100		54.00	141.00
		Toluene-d8	50	51.2	102		63.00	124.00
		4-Bromofluorobenzene	50	51.93	104		50.00	133.00
Z3012-03	TRC-SB-2(1-4)	1,2-Dichloroethane-d4	50	49.93	100		54.00	142.00
		Dibromofluoromethane	50	52.55	105		54.00	141.00
		Toluene-d8	50	52.24	104		63.00	124.00
		4-Bromofluorobenzene	50	42.09	84		50.00	133.00
Z3012-03MS	TRC-SB-2(1-4)MS	1,2-Dichloroethane-d4	50	46.73	93		54.00	142.00
		Dibromofluoromethane	50	49.48	99		54.00	141.00
		Toluene-d8	50	48.34	97		63.00	124.00
		4-Bromofluorobenzene	50	41.11	82		50.00	133.00
Z3012-03MSD	TRC-SB-2(1-4)MSD	1,2-Dichloroethane-d4	50	48.15	96		54.00	142.00
		Dibromofluoromethane	50	53.57	107		54.00	141.00
		Toluene-d8	50	50.25	101		63.00	124.00
		4-Bromofluorobenzene	50	42.61	85		50.00	133.00
Z3012-04	TRC-SB-2(5-9)	1,2-Dichloroethane-d4	50	48.35	97		54.00	142.00
		Dibromofluoromethane	50	50.51	101		54.00	141.00
		Toluene-d8	50	50.21	100		63.00	124.00
		4-Bromofluorobenzene	50	47.07	94		50.00	133.00
Z3012-05	TRC-SB-3(1-4)	1,2-Dichloroethane-d4	50	52.91	106		54.00	142.00
		Dibromofluoromethane	50	54.52	109		54.00	141.00
		Toluene-d8	50	48.73	97		63.00	124.00
		4-Bromofluorobenzene	50	42.17	84		50.00	133.00
Z3012-06	TRC-SB-3(4-8)	1,2-Dichloroethane-d4	50	56.51	113		54.00	142.00
		Dibromofluoromethane	50	53.83	108		54.00	141.00
		Toluene-d8	50	48.53	97		63.00	124.00
		4-Bromofluorobenzene	50	33.1	66		50.00	133.00
Z3012-06RE	TRC-SB-3(4-8)RE	1,2-Dichloroethane-d4	50	60.94	122		54.00	142.00
		Dibromofluoromethane	50	57.63	115		54.00	141.00
		Toluene-d8	50	49.14	98		63.00	124.00
		4-Bromofluorobenzene	50	35.57	71		50.00	133.00
Z3012-07	TRC-SB-4(1-4)	1,2-Dichloroethane-d4	50	52.15	104		54.00	142.00
		Dibromofluoromethane	50	51.8	104		54.00	141.00
		Toluene-d8	50	48.45	97		63.00	124.00
		4-Bromofluorobenzene	50	38.98	78		50.00	133.00
Z3012-08	TRC-SB-5(1-4)	1,2-Dichloroethane-d4	50	51.69	103		54.00	142.00
		Dibromofluoromethane	50	50.22	100		54.00	141.00
		Toluene-d8	50	48.26	97		63.00	124.00
		4-Bromofluorobenzene	50	44.06	88		50.00	133.00
Z3012-09	TRC-SB-5(4-8)	1,2-Dichloroethane-d4	50	53.66	107		54.00	142.00
		Dibromofluoromethane	50	53.19	106		54.00	141.00

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Z3012-09	TRC-SB-5(4-8)	Toluene-d8	50	47.97	96		63.00	124.00
		4-Bromofluorobenzene	50	40.21	80		50.00	133.00
Z3012-10	TRC-GW1	1,2-Dichloroethane-d4	50	51.94	104		75.00	124.00
		Dibromofluoromethane	50	51.93	104		84.00	122.00
		Toluene-d8	50	49.67	99		83.00	117.00
		4-Bromofluorobenzene	50	47.97	96		74.00	123.00
Z3012-11	TRC-GW2	1,2-Dichloroethane-d4	50	52.38	105		75.00	124.00
		Dibromofluoromethane	50	51.35	103		84.00	122.00
		Toluene-d8	50	49.71	99		83.00	117.00
		4-Bromofluorobenzene	50	48.02	96		74.00	123.00
Z3012-12	TRC-GW3	1,2-Dichloroethane-d4	50	53.41	107		75.00	124.00
		Dibromofluoromethane	50	52.01	104		84.00	122.00
		Toluene-d8	50	49.83	100		83.00	117.00
		4-Bromofluorobenzene	50	48.31	97		74.00	123.00
Z3012-13	TRC-GW4	1,2-Dichloroethane-d4	50	54.26	109		75.00	124.00
		Dibromofluoromethane	50	51.47	103		84.00	122.00
		Toluene-d8	50	50.26	101		83.00	117.00
		4-Bromofluorobenzene	50	48.08	96		74.00	123.00
Z3012-14	TRC-GW5	1,2-Dichloroethane-d4	50	53.91	108		75.00	124.00
		Dibromofluoromethane	50	51.29	103		84.00	122.00
		Toluene-d8	50	50.01	100		83.00	117.00
		4-Bromofluorobenzene	50	48.89	98		74.00	123.00
Z3012-15	TRC-GW5 (NYCDEP	1,2-Dichloroethane-d4	50	54.49	109		75.00	124.00
		Dibromofluoromethane	50	51.64	103		84.00	122.00
		Toluene-d8	50	49.68	99		83.00	117.00
		4-Bromofluorobenzene	50	47.74	95		74.00	123.00
Z3012-16	TRIP BLANK	1,2-Dichloroethane-d4	50	48.62	97		75.00	124.00
		Dibromofluoromethane	50	50.78	102		84.00	122.00
		Toluene-d8	50	49.14	98		83.00	117.00
		4-Bromofluorobenzene	50	48.1	96		74.00	123.00

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TRC-SB-1(4-8)MS**									
Z3012-02MS	Dichlorodifluoromethane	298	0.0	290	97			55	132	
	Chloromethane	298	0.0	260	87			52	128	
	Vinyl chloride	298	0.0	270	91			60	129	
	Bromomethane	298	0.0	310	104			59	136	
	Chloroethane	298	0.0	270	91			66	123	
	Trichlorofluoromethane	298	0.0	330	111			77	140	
	1,1,2-Trichlorotrifluoroethane	298	0.0	290	97			85	150	
	1,1-Dichloroethene	298	0.0	290	97			82	154	
	Acetone	1488	0.0	1400	94			56	176	
	Carbon disulfide	298	0.0	280	94			51	148	
	Methyl tert-butyl Ether	298	0.0	310	104			74	149	
	Methyl Acetate	298	0.0	240	81			37	150	
	Methylene Chloride	298	0.0	280	94			37	150	
	trans-1,2-Dichloroethene	298	0.0	300	101			71	150	
	1,1-Dichloroethane	298	0.0	280	94			77	139	
	Cyclohexane	298	0.0	290	97			72	137	
	2-Butanone	1488	0.0	1400	94			53	156	
	Carbon Tetrachloride	298	0.0	300	101			79	138	
	cis-1,2-Dichloroethene	298	0.0	290	97			75	125	
	Chloroform	298	0.0	290	97			73	138	
	1,1,1-Trichloroethane	298	0.0	290	97			76	130	
	Methylcyclohexane	298	0.0	290	97			71	139	
	Benzene	298	0.0	290	97			83	135	
	1,2-Dichloroethane	298	0.0	270	91			82	136	
	Trichloroethene	298	0.0	300	101			81	129	
	1,2-Dichloropropane	298	0.0	270	91			83	139	
	Bromodichloromethane	298	0.0	290	97			78	130	
	4-Methyl-2-Pentanone	1488	0.0	1400	94			74	150	
	Toluene	298	0.0	290	97			79	140	
	t-1,3-Dichloropropene	298	0.0	290	97			82	139	
	cis-1,3-Dichloropropene	298	0.0	280	94			80	137	
	1,1,2-Trichloroethane	298	0.0	300	101			80	131	
	2-Hexanone	1488	0.0	1400	94			72	150	
	Dibromochloromethane	298	0.0	290	97			76	129	
	1,2-Dibromoethane	298	0.0	300	101			77	132	
	Tetrachloroethene	298	0.0	290	97			68	145	
	Chlorobenzene	298	0.0	300	101			80	141	
	Ethyl Benzene	298	0.0	310	104			82	139	
	m/p-Xylenes	595	0.0	630	106			81	143	
	o-Xylene	298	0.0	300	101			79	144	

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **Z3012**

Client: **TRC Environmental Corp., NY**

Analytical Method: **EPA SW846 8260**

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TRC-SB-1(4-8)MS**									
Z3012-02MS	Styrene	298	0.0	300	101			80	146	
	Bromoform	298	0.0	320	107			69	125	
	Isopropylbenzene	298	0.0	290	97			80	145	
	1,1,2,2-Tetrachloroethane	298	0.0	290	97			72	142	
	N-propylbenzene	298	0.0	290	97			74	160	
	1,3,5-Trimethylbenzene	298	0.0	290	97			78	151	
	tert-Butylbenzene	298	0.0	300	101			75	148	
	1,2,4-Trimethylbenzene	298	0.0	300	101			78	148	
	Sec-butylbenzene	298	0.0	300	101			81	147	
	p-Isopropyltoluene	298	0.0	300	101			75	151	
	1,3-Dichlorobenzene	298	0.0	300	101			73	147	
	1,4-Dichlorobenzene	298	0.0	290	97			79	137	
	n-Butylbenzene	298	0.0	300	101			81	154	
	1,2-Dichlorobenzene	298	0.0	290	97			77	139	
	1,2-Dibromo-3-Chloropropane	298	0.0	260	87			66	132	
	1,2,4-Trichlorobenzene	298	0.0	290	97			67	155	
	Naphthalene	298	0.0	300	101			64	161	

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TRC-SB-1(4-8)MSD**									
Z3012-02MSD	Dichlorodifluoromethane	298	0.0	280	94	3		55	132	20
	Chloromethane	298	0.0	260	87	0		52	128	20
	Vinyl chloride	298	0.0	260	87	4		60	129	20
	Bromomethane	298	0.0	250	84	21	*	59	136	20
	Chloroethane	298	0.0	240	81	12		66	123	20
	Trichlorofluoromethane	298	0.0	310	104	7		77	140	20
	1,1,2-Trichlorotrifluoroethane	298	0.0	290	97	0		85	150	20
	1,1-Dichloroethene	298	0.0	290	97	0		82	154	22
	Acetone	1488	0.0	1400	94	0		56	176	20
	Carbon disulfide	298	0.0	280	94	0		51	148	20
	Methyl tert-butyl Ether	298	0.0	290	97	7		74	149	20
	Methyl Acetate	298	0.0	260	87	7		37	150	20
	Methylene Chloride	298	0.0	270	91	3		37	150	20
	trans-1,2-Dichloroethene	298	0.0	300	101	0		71	150	20
	1,1-Dichloroethane	298	0.0	270	91	3		77	139	20
	Cyclohexane	298	0.0	280	94	3		72	137	20
	2-Butanone	1488	0.0	1500	101	7		53	156	20
	Carbon Tetrachloride	298	0.0	310	104	3		79	138	20
	cis-1,2-Dichloroethene	298	0.0	280	94	3		75	125	20
	Chloroform	298	0.0	280	94	3		73	138	20
	1,1,1-Trichloroethane	298	0.0	290	97	0		76	130	20
	Methylcyclohexane	298	0.0	280	94	3		71	139	20
	Benzene	298	0.0	290	97	0		83	135	21
	1,2-Dichloroethane	298	0.0	280	94	3		82	136	20
	Trichloroethene	298	0.0	300	101	0		81	129	24
	1,2-Dichloropropane	298	0.0	300	101	10		83	139	20
	Bromodichloromethane	298	0.0	290	97	0		78	130	20
	4-Methyl-2-Pentanone	1488	0.0	1500	101	7		74	150	20
	Toluene	298	0.0	300	101	4		79	140	21
	t-1,3-Dichloropropene	298	0.0	300	101	4		82	139	20
	cis-1,3-Dichloropropene	298	0.0	290	97	3		80	137	20
	1,1,2-Trichloroethane	298	0.0	310	104	3		80	131	20
	2-Hexanone	1488	0.0	1500	101	7		72	150	20
	Dibromochloromethane	298	0.0	300	101	4		76	129	20
	1,2-Dibromoethane	298	0.0	310	104	3		77	132	20
	Tetrachloroethene	298	0.0	320	107	10		68	145	20
	Chlorobenzene	298	0.0	320	107	6		80	141	21
	Ethyl Benzene	298	0.0	320	107	3		82	139	20
	m/p-Xylenes	595	0.0	650	109	3		81	143	20
	o-Xylene	298	0.0	310	104	3		79	144	20

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **Z3012**

Client: **TRC Environmental Corp., NY**

Analytical Method: **EPA SW846 8260**

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TRC-SB-1(4-8)MSD**									
Z3012-02MSD	Styrene	298	0.0	320	107	6		80	146	20
	Bromoform	298	0.0	340	114	6		69	125	20
	Isopropylbenzene	298	0.0	310	104	7		80	145	20
	1,1,2,2-Tetrachloroethane	298	0.0	310	104	7		72	142	20
	N-propylbenzene	298	0.0	310	104	7		74	160	20
	1,3,5-Trimethylbenzene	298	0.0	300	101	4		78	151	20
	tert-Butylbenzene	298	0.0	300	101	0		75	148	20
	1,2,4-Trimethylbenzene	298	0.0	300	101	0		78	148	20
	Sec-butylbenzene	298	0.0	310	104	3		81	147	20
	p-Isopropyltoluene	298	0.0	310	104	3		75	151	20
	1,3-Dichlorobenzene	298	0.0	310	104	3		73	147	20
	1,4-Dichlorobenzene	298	0.0	300	101	4		79	137	20
	n-Butylbenzene	298	0.0	300	101	0		81	154	20
	1,2-Dichlorobenzene	298	0.0	300	101	4		77	139	20
	1,2-Dibromo-3-Chloropropane	298	0.0	290	97	11		66	132	20
	1,2,4-Trichlorobenzene	298	0.0	310	104	7		67	155	20
	Naphthalene	298	0.0	320	107	6		64	161	20

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TRC-SB-2(1-4)MS**									
Z3012-03MS	Dichlorodifluoromethane	301	0.0	360	120			55	132	
	Chloromethane	301	0.0	280	93			52	128	
	Vinyl chloride	301	0.0	290	96			60	129	
	Bromomethane	301	0.0	280	93			59	136	
	Chloroethane	301	0.0	260	86			66	123	
	Trichlorofluoromethane	301	0.0	320	106			77	140	
	1,1,2-Trichlorotrifluoroethane	301	0.0	310	103			85	150	
	1,1-Dichloroethene	301	0.0	300	100			82	154	
	Acetone	1506	0.0	1500	100			56	176	
	Carbon disulfide	301	0.0	270	90			51	148	
	Methyl tert-butyl Ether	301	0.0	350	116			74	149	
	Methyl Acetate	301	0.0	280	93			37	150	
	Methylene Chloride	301	0.0	290	96			37	150	
	trans-1,2-Dichloroethene	301	0.0	290	96			71	150	
	1,1-Dichloroethane	301	0.0	290	96			77	139	
	Cyclohexane	301	0.0	280	93			72	137	
	2-Butanone	1506	0.0	1600	106			53	156	
	Carbon Tetrachloride	301	0.0	330	110			79	138	
	cis-1,2-Dichloroethene	301	0.0	280	93			75	125	
	Chloroform	301	0.0	310	103			73	138	
	1,1,1-Trichloroethane	301	0.0	320	106			76	130	
	Methylcyclohexane	301	0.0	280	93			71	139	
	Benzene	301	0.0	310	103			83	135	
	1,2-Dichloroethane	301	0.0	300	100			82	136	
	Trichloroethene	301	0.0	280	93			81	129	
	1,2-Dichloropropane	301	0.0	300	100			83	139	
	Bromodichloromethane	301	0.0	310	103			78	130	
	4-Methyl-2-Pentanone	1506	0.0	1500	100			74	150	
	Toluene	301	0.0	300	100			79	140	
	t-1,3-Dichloropropene	301	0.0	260	86			82	139	
	cis-1,3-Dichloropropene	301	0.0	280	93			80	137	
	1,1,2-Trichloroethane	301	0.0	300	100			80	131	
	2-Hexanone	1506	0.0	1500	100			72	150	
	Dibromochloromethane	301	0.0	290	96			76	129	
	1,2-Dibromoethane	301	0.0	270	90			77	132	
	Tetrachloroethene	301	0.0	330	110			68	145	
	Chlorobenzene	301	0.0	320	106			80	141	
	Ethyl Benzene	301	0.0	350	116			82	139	
	m/p-Xylenes	602	0.0	660	110			81	143	
	o-Xylene	301	0.0	350	116			79	144	

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **Z3012**

Client: **TRC Environmental Corp., NY**

Analytical Method: **EPA SW846 8260**

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TRC-SB-2(1-4)MS**									
Z3012-03MS	Styrene	301	0.0	310	103			80	146	
	Bromoform	301	0.0	370	123			69	125	
	Isopropylbenzene	301	0.0	430	143			80	145	
	1,1,2,2-Tetrachloroethane	301	0.0	460	153		*	72	142	
	N-propylbenzene	301	0.0	380	126			74	160	
	1,3,5-Trimethylbenzene	301	0.0	410	136			78	151	
	tert-Butylbenzene	301	0.0	430	143			75	148	
	1,2,4-Trimethylbenzene	301	0.0	400	133			78	148	
	Sec-butylbenzene	301	0.0	400	133			81	147	
	p-Isopropyltoluene	301	0.0	390	130			75	151	
	1,3-Dichlorobenzene	301	0.0	330	110			73	147	
	1,4-Dichlorobenzene	301	0.0	310	103			79	137	
	n-Butylbenzene	301	0.0	310	103			81	154	
	1,2-Dichlorobenzene	301	0.0	340	113			77	139	
	1,2-Dibromo-3-Chloropropane	301	0.0	420	140		*	66	132	
	1,2,4-Trichlorobenzene	301	0.0	230	76			67	155	
	Naphthalene	301	0.0	260	86			64	161	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TRC-SB-2(1-4)MSD**									
Z3012-03MSD	Dichlorodifluoromethane	301	0.0	350	116	3		55	132	20
	Chloromethane	301	0.0	300	100	7		52	128	20
	Vinyl chloride	301	0.0	280	93	3		60	129	20
	Bromomethane	301	0.0	280	93	0		59	136	20
	Chloroethane	301	0.0	270	90	5		66	123	20
	Trichlorofluoromethane	301	0.0	350	116	9		77	140	20
	1,1,2-Trichlorotrifluoroethane	301	0.0	310	103	0		85	150	20
	1,1-Dichloroethene	301	0.0	300	100	0		82	154	22
	Acetone	1506	0.0	1600	106	6		56	176	20
	Carbon disulfide	301	0.0	240	80	12		51	148	20
	Methyl tert-butyl Ether	301	0.0	330	110	5		74	149	20
	Methyl Acetate	301	0.0	330	110	17		37	150	20
	Methylene Chloride	301	0.0	280	93	3		37	150	20
	trans-1,2-Dichloroethene	301	0.0	270	90	6		71	150	20
	1,1-Dichloroethane	301	0.0	300	100	4		77	139	20
	Cyclohexane	301	0.0	300	100	7		72	137	20
	2-Butanone	1506	0.0	1700	113	6		53	156	20
	Carbon Tetrachloride	301	0.0	350	116	5		79	138	20
	cis-1,2-Dichloroethene	301	0.0	290	96	3		75	125	20
	Chloroform	301	0.0	300	100	3		73	138	20
	1,1,1-Trichloroethane	301	0.0	330	110	4		76	130	20
	Methylcyclohexane	301	0.0	260	86	8		71	139	20
	Benzene	301	0.0	320	106	3		83	135	21
	1,2-Dichloroethane	301	0.0	300	100	0		82	136	20
	Trichloroethene	301	0.0	300	100	7		81	129	24
	1,2-Dichloropropane	301	0.0	310	103	3		83	139	20
	Bromodichloromethane	301	0.0	320	106	3		78	130	20
	4-Methyl-2-Pentanone	1506	0.0	1700	113	12		74	150	20
	Toluene	301	0.0	310	103	3		79	140	21
	t-1,3-Dichloropropene	301	0.0	280	93	8		82	139	20
	cis-1,3-Dichloropropene	301	0.0	290	96	3		80	137	20
	1,1,2-Trichloroethane	301	0.0	320	106	6		80	131	20
	2-Hexanone	1506	0.0	1700	113	12		72	150	20
	Dibromochloromethane	301	0.0	320	106	10		76	129	20
	1,2-Dibromoethane	301	0.0	310	103	13		77	132	20
	Tetrachloroethene	301	0.0	320	106	4		68	145	20
	Chlorobenzene	301	0.0	310	103	3		80	141	21
	Ethyl Benzene	301	0.0	340	113	3		82	139	20
	m/p-Xylenes	602	0.0	650	108	2		81	143	20
	o-Xylene	301	0.0	340	113	3		79	144	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **Z3012**

Client: **TRC Environmental Corp., NY**

Analytical Method: **EPA SW846 8260**

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TRC-SB-2(1-4)MSD**									
Z3012-03MSD	Styrene	301	0.0	300	100	3		80	146	20
	Bromoform	301	0.0	360	120	2		69	125	20
	Isopropylbenzene	301	0.0	430	143	0		80	145	20
	1,1,2,2-Tetrachloroethane	301	0.0	470	156	2	*	72	142	20
	N-propylbenzene	301	0.0	380	126	0		74	160	20
	1,3,5-Trimethylbenzene	301	0.0	420	140	3		78	151	20
	tert-Butylbenzene	301	0.0	440	146	2		75	148	20
	1,2,4-Trimethylbenzene	301	0.0	400	133	0		78	148	20
	Sec-butylbenzene	301	0.0	390	130	2		81	147	20
	p-Isopropyltoluene	301	0.0	380	126	3		75	151	20
	1,3-Dichlorobenzene	301	0.0	340	113	3		73	147	20
	1,4-Dichlorobenzene	301	0.0	320	106	3		79	137	20
	n-Butylbenzene	301	0.0	300	100	3		81	154	20
	1,2-Dichlorobenzene	301	0.0	350	116	3		77	139	20
	1,2-Dibromo-3-Chloropropane	301	0.0	410	136	3	*	66	132	20
	1,2,4-Trichlorobenzene	301	0.0	250	83	9		67	155	20
	Naphthalene	301	0.0	310	103	18		64	161	20

Chemtech

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
BS0530W3	Dichlorodifluoromethane	20	10	50		*	70	130	
	Chloromethane	20	12	60			50	135	
	Vinyl chloride	20	13	65			57	131	
	Bromomethane	20	14	70			50	147	
	Chloroethane	20	16	80			34	198	
	Trichlorofluoromethane	20	17	85			13	158	
	1,1,2-Trichlorotrifluoroethane	20	18	90			44	135	
	1,1-Dichloroethene	20	18	90			70	130	
	Acetone	100	110	110			10	194	
	Carbon disulfide	20	10	50			33	150	
	Methyl tert-butyl Ether	20	21	105			66	127	
	Methyl Acetate	20	22	110			42	154	
	Methylene Chloride	20	20	100			18	206	
	trans-1,2-Dichloroethene	20	17	85			56	132	
	1,1-Dichloroethane	20	22	110			70	130	
	Cyclohexane	20	17	85			48	130	
	2-Butanone	100	110	110			53	134	
	Carbon Tetrachloride	20	20	100			61	122	
	cis-1,2-Dichloroethene	20	21	105			69	125	
	Chloroform	20	23	115			66	125	
	1,1,1-Trichloroethane	20	22	110			64	124	
	Methylcyclohexane	20	13	65			63	123	
	Benzene	20	19	95			66	125	
	1,2-Dichloroethane	20	22	110			66	125	
	Trichloroethene	20	20	100			61	138	
	1,2-Dichloropropane	20	22	110			68	125	
	Bromodichloromethane	20	23	115			66	117	
	4-Methyl-2-Pentanone	100	120	120			68	132	
	Toluene	20	20	100			68	121	
	t-1,3-Dichloropropene	20	23	115			60	119	
	cis-1,3-Dichloropropene	20	21	105			66	119	
	1,1,2-Trichloroethane	20	22	110			69	120	
	2-Hexanone	100	120	120			60	143	
	Dibromochloromethane	20	23	115			66	117	
	1,2-Dibromoethane	20	23	115		*	79	114	
	Tetrachloroethene	20	18	90			54	168	
	Chlorobenzene	20	21	105			70	122	
	Ethyl Benzene	20	22	110			65	124	
	m/p-Xylenes	40	45	113			66	128	
	o-Xylene	20	22	110			71	123	
	Styrene	20	23	115			80	120	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
BS0530W3	Bromoform	20	22	110			59	119	
	Isopropylbenzene	20	21	105			78	118	
	1,1,2,2-Tetrachloroethane	20	23	115			54	124	
	N-propylbenzene	20	23	115			79	118	
	1,3,5-Trimethylbenzene	20	23	115			82	117	
	tert-Butylbenzene	20	23	115			75	121	
	1,2,4-Trimethylbenzene	20	23	115			81	118	
	Sec-butylbenzene	20	22	110			79	120	
	p-Isopropyltoluene	20	23	115			77	118	
	1,3-Dichlorobenzene	20	22	110			74	125	
	1,4-Dichlorobenzene	20	22	110			75	122	
	n-Butylbenzene	20	23	115			79	119	
	1,2-Dichlorobenzene	20	22	110			74	123	
	1,2-Dibromo-3-Chloropropane	20	25	125		*	64	114	
	1,2,4-Trichlorobenzene	20	22	110			72	130	
	Naphthalene	20	22	110			68	126	
BS0530W4	Dichlorodifluoromethane	20	11	55		*	70	130	
	Chloromethane	20	12	60			50	135	
	Vinyl chloride	20	13	65			57	131	
	Bromomethane	20	13	65			50	147	
	Chloroethane	20	16	80			34	198	
	Trichlorofluoromethane	20	16	80			13	158	
	1,1,2-Trichlorotrifluoroethane	20	18	90			44	135	
	1,1-Dichloroethene	20	18	90			70	130	
	Acetone	100	120	120			10	194	
	Carbon disulfide	20	10	50			33	150	
	Methyl tert-butyl Ether	20	21	105			66	127	
	Methyl Acetate	20	20	100			42	154	
	Methylene Chloride	20	20	100			18	206	
	trans-1,2-Dichloroethene	20	17	85			56	132	
	1,1-Dichloroethane	20	22	110			70	130	
	Cyclohexane	20	17	85			48	130	
	2-Butanone	100	110	110			53	134	
	Carbon Tetrachloride	20	20	100			61	122	
	cis-1,2-Dichloroethene	20	21	105			69	125	
	Chloroform	20	23	115			66	125	
	1,1,1-Trichloroethane	20	21	105			64	124	
	Methylcyclohexane	20	14	70			63	123	
	Benzene	20	19	95			66	125	
	1,2-Dichloroethane	20	21	105			66	125	
	Trichloroethene	20	20	100			61	138	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
BS0530W4	1,2-Dichloropropane	20	22	110			68	125	
	Bromodichloromethane	20	23	115			66	117	
	4-Methyl-2-Pentanone	100	120	120			68	132	
	Toluene	20	21	105			68	121	
	t-1,3-Dichloropropene	20	23	115			60	119	
	cis-1,3-Dichloropropene	20	21	105			66	119	
	1,1,2-Trichloroethane	20	22	110			69	120	
	2-Hexanone	100	120	120			60	143	
	Dibromochloromethane	20	23	115			66	117	
	1,2-Dibromoethane	20	22	110			79	114	
	Tetrachloroethene	20	24	120			54	168	
	Chlorobenzene	20	22	110			70	122	
	Ethyl Benzene	20	23	115			65	124	
	m/p-Xylenes	40	45	113			66	128	
	o-Xylene	20	22	110			71	123	
	Styrene	20	23	115			80	120	
	Bromoform	20	23	115			59	119	
	Isopropylbenzene	20	22	110			78	118	
	1,1,2,2-Tetrachloroethane	20	24	120			54	124	
	N-propylbenzene	20	23	115			79	118	
	1,3,5-Trimethylbenzene	20	23	115			82	117	
	tert-Butylbenzene	20	23	115			75	121	
	1,2,4-Trimethylbenzene	20	24	120		*	81	118	
	Sec-butylbenzene	20	24	120			79	120	
	p-Isopropyltoluene	20	23	115			77	118	
	1,3-Dichlorobenzene	20	22	110			74	125	
	1,4-Dichlorobenzene	20	22	110			75	122	
	n-Butylbenzene	20	23	115			79	119	
	1,2-Dichlorobenzene	20	22	110			74	123	
	1,2-Dibromo-3-Chloropropane	20	23	115		*	64	114	
	1,2,4-Trichlorobenzene	20	25	125			72	130	
	Naphthalene	20	24	120			68	126	
BSI0529S2	Dichlorodifluoromethane	20	23	115			56	135	
	Chloromethane	20	20	100			70	130	
	Vinyl chloride	20	21	105			69	137	
	Bromomethane	20	22	110			72	135	
	Chloroethane	20	18	90			69	140	
	Trichlorofluoromethane	20	20	100			65	140	
	1,1,2-Trichlorotrifluoroethane	20	22	110			74	131	
	1,1-Dichloroethene	20	22	110			69	143	
	Acetone	100	110	110			34	189	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
BSI0529S2	Carbon disulfide	20	21	105			62	133	
	Methyl tert-butyl Ether	20	19	95			74	145	
	Methyl Acetate	20	18	90			50	153	
	Methylene Chloride	20	23	115			48	190	
	trans-1,2-Dichloroethene	20	22	110			70	145	
	1,1-Dichloroethane	20	20	100			70	130	
	Cyclohexane	20	21	105			68	135	
	2-Butanone	100	100	100			70	155	
	Carbon Tetrachloride	20	22	110			71	115	
	cis-1,2-Dichloroethene	20	21	105			76	140	
	Chloroform	20	21	105			82	130	
	1,1,1-Trichloroethane	20	20	100			80	125	
	Methylcyclohexane	20	20	100			74	115	
	Benzene	20	20	100			81	118	
	1,2-Dichloroethane	20	21	105			82	122	
	Trichloroethene	20	21	105			82	113	
	1,2-Dichloropropane	20	19	95			80	127	
	Bromodichloromethane	20	19	95			77	122	
	4-Methyl-2-Pentanone	100	100	100			82	128	
	Toluene	20	20	100			81	115	
	t-1,3-Dichloropropene	20	19	95			78	118	
	cis-1,3-Dichloropropene	20	19	95			79	116	
	1,1,2-Trichloroethane	20	20	100			83	123	
	2-Hexanone	100	100	100			68	129	
	Dibromochloromethane	20	19	95			76	119	
	1,2-Dibromoethane	20	19	95			79	120	
	Tetrachloroethene	20	19	95			72	130	
	Chlorobenzene	20	21	105			83	114	
	Ethyl Benzene	20	22	110			80	113	
	m/p-Xylenes	40	42	105			80	115	
	o-Xylene	20	21	105			83	115	
	Styrene	20	21	105			83	115	
	Bromoform	20	21	105			76	119	
	Isopropylbenzene	20	21	105			81	118	
	1,1,2,2-Tetrachloroethane	20	21	105			83	133	
	N-propylbenzene	20	21	105			81	116	
	1,3,5-Trimethylbenzene	20	20	100			81	116	
	tert-Butylbenzene	20	21	105			73	117	
	1,2,4-Trimethylbenzene	20	21	105			82	114	
	Sec-butylbenzene	20	21	105			80	115	
	p-Isopropyltoluene	20	22	110			78	112	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
BSI0529S2	1,3-Dichlorobenzene	20	22	110			83	113	
	1,4-Dichlorobenzene	20	21	105			83	113	
	n-Butylbenzene	20	22	110			75	116	
	1,2-Dichlorobenzene	20	21	105			86	115	
	1,2-Dibromo-3-Chloropropane	20	22	110			78	129	
	1,2,4-Trichlorobenzene	20	21	105			69	118	
	Naphthalene	20	23	115			78	122	
BSI0530S1	Dichlorodifluoromethane	20	19	95			56	135	
	Chloromethane	20	20	100			70	130	
	Vinyl chloride	20	20	100			69	137	
	Bromomethane	20	23	115			72	135	
	Chloroethane	20	13	65		*	69	140	
	Trichlorofluoromethane	20	26	130			65	140	
	1,1,2-Trichlorotrifluoroethane	20	23	115			74	131	
	1,1-Dichloroethene	20	23	115			69	143	
	Acetone	100	110	110			34	189	
	Carbon disulfide	20	21	105			62	133	
	Methyl tert-butyl Ether	20	25	125			74	145	
	Methyl Acetate	20	17	85			50	153	
	Methylene Chloride	20	21	105			48	190	
	trans-1,2-Dichloroethene	20	22	110			70	145	
	1,1-Dichloroethane	20	21	105			70	130	
	Cyclohexane	20	20	100			68	135	
	2-Butanone	100	110	110			70	155	
	Carbon Tetrachloride	20	20	100			71	115	
	cis-1,2-Dichloroethene	20	22	110			76	140	
	Chloroform	20	21	105			82	130	
	1,1,1-Trichloroethane	20	21	105			80	125	
	Methylcyclohexane	20	20	100			74	115	
	Benzene	20	19	95			81	118	
	1,2-Dichloroethane	20	19	95			82	122	
	Trichloroethene	20	20	100			82	113	
	1,2-Dichloropropane	20	20	100			80	127	
	Bromodichloromethane	20	19	95			77	122	
	4-Methyl-2-Pentanone	100	96	96			82	128	
	Toluene	20	19	95			81	115	
	t-1,3-Dichloropropene	20	20	100			78	118	
	cis-1,3-Dichloropropene	20	19	95			79	116	
	1,1,2-Trichloroethane	20	19	95			83	123	
	2-Hexanone	100	98	98			68	129	
	Dibromochloromethane	20	19	95			76	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
BSI0530S1	1,2-Dibromoethane	20	21	105			79	120	
	Tetrachloroethene	20	18	90			72	130	
	Chlorobenzene	20	21	105			83	114	
	Ethyl Benzene	20	20	100			80	113	
	m/p-Xylenes	40	40	100			80	115	
	o-Xylene	20	21	105			83	115	
	Styrene	20	20	100			83	115	
	Bromoform	20	22	110			76	119	
	Isopropylbenzene	20	19	95			81	118	
	1,1,2,2-Tetrachloroethane	20	21	105			83	133	
	N-propylbenzene	20	19	95			81	116	
	1,3,5-Trimethylbenzene	20	20	100			81	116	
	tert-Butylbenzene	20	20	100			73	117	
	1,2,4-Trimethylbenzene	20	20	100			82	114	
	Sec-butylbenzene	20	20	100			80	115	
	p-Isopropyltoluene	20	20	100			78	112	
	1,3-Dichlorobenzene	20	20	100			83	113	
	1,4-Dichlorobenzene	20	20	100			83	113	
	n-Butylbenzene	20	19	95			75	116	
	1,2-Dichlorobenzene	20	21	105			86	115	
	1,2-Dibromo-3-Chloropropane	20	19	95			78	129	
	1,2,4-Trichlorobenzene	20	21	105			69	118	
	Naphthalene	20	21	105			78	122	

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK01

Lab Name: Chemtech Contract: TRCE03

Lab Code: CHEM Case No.: Z3012 SAS No.: Z3012 SDG NO.: Z3012

Lab File ID: VE008720.D Lab Sample ID: VBE0530W2

Date Analyzed: 5/30/2008 Time Analyzed: 11:10

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
TRIP BLANK	Z3012-16	VE008723.D	13:41
TRC-GW1	Z3012-10	VE008724.D	14:13
TRC-GW2	Z3012-11	VE008725.D	14:46
TRC-GW3	Z3012-12	VE008726.D	15:19
TRC-GW4	Z3012-13	VE008727.D	15:52
TRC-GW5	Z3012-14	VE008728.D	16:25
TRC-GW5 (NYCDEP)	Z3012-15	VE008729.D	16:57
VLCS01	BS0530W3	VE008730.D	17:30
VLCS02	BS0530W4	VE008731.D	18:03

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK02

Lab Name: Chemtech Contract: TRCE03

Lab Code: CHEM Case No.: Z3012 SAS No.: Z3012 SDG NO.: Z3012

Lab File ID: VI019288.D Lab Sample ID: VBI0529S1

Date Analyzed: 5/29/2008 Time Analyzed: 10:57

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOAI

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS03	BSI0529S2	VI019291.D	13:13
TRC-SB-1(1-4)	Z3012-01	VI019292.D	14:48
TRC-SB-1(4-8)	Z3012-02	VI019293.D	15:13
TRC-SB-2(5-9)	Z3012-04	VI019295.D	16:04
TRC-SB-3(4-8)	Z3012-06	VI019297.D	16:55
TRC-SB-4(1-4)	Z3012-07	VI019298.D	17:20
TRC-SB-5(1-4)	Z3012-08	VI019299.D	17:45
TRC-SB-5(4-8)	Z3012-09	VI019300.D	18:11
TRC-SB-1(4-8)MS	Z3012-02MS	VI019304.D	19:52
TRC-SB-1(4-8)MSD	Z3012-02MSD	VI019305.D	20:18
TRC-SB-3(1-4)	Z3012-05	VI019307.D	21:09
TRC-SB-3(4-8)RE	Z3012-06RE	VI019308.D	21:34

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK03

Lab Name: Chemtech Contract: TRCE03

Lab Code: CHEM Case No.: Z3012 SAS No.: Z3012 SDG NO.: Z3012

Lab File ID: VI019322.D Lab Sample ID: VBI0530S2

Date Analyzed: 5/30/2008 Time Analyzed: 11:22

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOAI

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS04	BSI0530S1	VI019323.D	11:48
TRC-SB-2(1-4)MS	Z3012-03MS	VI019325.D	12:59
TRC-SB-2(1-4)MSD	Z3012-03MSD	VI019326.D	13:24
TRC-SB-2(1-4)	Z3012-03	VI019330.D	15:39

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**VBLK01**	**SDG No.:**	**Z3012**
Lab Sample ID:	**VBE0530W2**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008720.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**VBLK01**	**SDG No.:**	**Z3012**
Lab Sample ID:	**VBE0530W2**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008720.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	5.0	0.18	ug/L
98-06-6	tert-Butylbenzene	0.27	U	5.0	0.27	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.32	U	5.0	0.32	ug/L
135-98-8	Sec-butylbenzene	0.26	U	5.0	0.26	ug/L
99-87-6	p-Isopropyltoluene	0.26	U	5.0	0.26	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
104-51-8	n-Butylbenzene	0.29	U	5.0	0.29	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
91-20-3	Naphthalene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.02	104 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	49.76	100 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	49.57	99 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	48.79	98 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	212609	9.36			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**VBLK01**	**SDG No.:**	**Z3012**
Lab Sample ID:	**VBE0530W2**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0** **Units:** **mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE008720.D	1	5/30/2008	VE052908

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	305286	10.46			
3114-55-4	Chlorobenzene-d5	313242	14.89			
3855-82-1	1,4-Dichlorobenzene-d4	183801	18.70			

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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**VBLK02**	**SDG No.:**	**Z3012**
Lab Sample ID:	**VBI0529S1**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**0**
Sample Wt/Wol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019288.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.9	U	5.0	1.9	ug/Kg
74-87-3	Chloromethane	1.3	U	5.0	1.3	ug/Kg
75-01-4	Vinyl chloride	1.4	U	5.0	1.4	ug/Kg
74-83-9	Bromomethane	2.0	U	5.0	2.0	ug/Kg
75-00-3	Chloroethane	1.8	U	5.0	1.8	ug/Kg
75-69-4	Trichlorofluoromethane	1.2	U	5.0	1.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.7	U	5.0	1.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	ug/Kg
67-64-1	Acetone	17	U	25	17	ug/Kg
75-15-0	Carbon disulfide	1.1	U	5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.89	U	5.0	0.89	ug/Kg
79-20-9	Methyl Acetate	1.7	U	5.0	1.7	ug/Kg
75-09-2	Methylene Chloride	2.4	U	5.0	2.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	5.0	1.2	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	5.0	1.1	ug/Kg
110-82-7	Cyclohexane	1.0	U	5.0	1.0	ug/Kg
78-93-3	2-Butanone	5.0	U	25	5.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.59	U	5.0	0.59	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	5.0	1.3	ug/Kg
67-66-3	Chloroform	0.89	U	5.0	0.89	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	5.0	0.95	ug/Kg
108-87-2	Methylcyclohexane	0.83	U	5.0	0.83	ug/Kg
71-43-2	Benzene	0.72	U	5.0	0.72	ug/Kg
107-06-2	1,2-Dichloroethane	0.82	U	5.0	0.82	ug/Kg
79-01-6	Trichloroethene	0.73	U	5.0	0.73	ug/Kg
78-87-5	1,2-Dichloropropane	0.94	U	5.0	0.94	ug/Kg
75-27-4	Bromodichloromethane	0.70	U	5.0	0.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.8	U	25	3.8	ug/Kg
108-88-3	Toluene	0.88	U	5.0	0.88	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.84	U	5.0	0.84	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	5.0	0.67	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.61	U	5.0	0.61	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**VBLK02**	**SDG No.:**	**Z3012**
Lab Sample ID:	**VBI0529S1**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**0**
Sample Wt/Wol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019288.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	4.4	U	25	4.4	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	5.0	0.66	ug/Kg
106-93-4	1,2-Dibromoethane	0.82	U	5.0	0.82	ug/Kg
127-18-4	Tetrachloroethene	1.2	U	5.0	1.2	ug/Kg
108-90-7	Chlorobenzene	0.76	U	5.0	0.76	ug/Kg
100-41-4	Ethyl Benzene	0.80	U	5.0	0.80	ug/Kg
126777-61-2	m/p-Xylenes	1.9	U	10	1.9	ug/Kg
95-47-6	o-Xylene	0.76	U	5.0	0.76	ug/Kg
100-42-5	Styrene	0.62	U	5.0	0.62	ug/Kg
75-25-2	Bromoform	0.81	U	5.0	0.81	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	5.0	0.82	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	5.0	0.89	ug/Kg
103-65-1	N-propylbenzene	0.79	U	5.0	0.79	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	ug/Kg
98-06-6	tert-Butylbenzene	0.72	U	5.0	0.72	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.78	U	5.0	0.78	ug/Kg
135-98-8	Sec-butylbenzene	0.84	U	5.0	0.84	ug/Kg
99-87-6	p-Isopropyltoluene	0.87	U	5.0	0.87	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.67	U	5.0	0.67	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.77	U	5.0	0.77	ug/Kg
104-51-8	n-Butylbenzene	0.94	U	5.0	0.94	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.86	U	5.0	0.86	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	5.0	1.0	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	5.0	0.66	ug/Kg
91-20-3	Naphthalene	0.57	U	5.0	0.57	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.23	96 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	52.01	104 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	47.35	95 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	49.1	98 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	433941	8.21			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**VBLK02**	**SDG No.:**	**Z3012**
Lab Sample ID:	**VBI0529S1**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**0**
Sample Wt/Wol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019288.D	1	5/29/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	809125	8.79			
3114-55-4	Chlorobenzene-d5	822351	11.69			
3855-82-1	1,4-Dichlorobenzene-d4	364798	14.00			
TENTITIVE IDENTIFIED COMPOUNDS						
000594-82-1	Butane, 2,2,3,3-tetramethyl-	130	J	8.07		ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	22	J	9.27		ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	14	J	9.42		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**VBLK03**	**SDG No.:**	**Z3012**
Lab Sample ID:	**VBI0530S2**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**0**
Sample Wt/Wol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019322.D	1	5/30/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.9	U	5.0	1.9	ug/Kg
74-87-3	Chloromethane	1.3	U	5.0	1.3	ug/Kg
75-01-4	Vinyl chloride	1.4	U	5.0	1.4	ug/Kg
74-83-9	Bromomethane	2.0	U	5.0	2.0	ug/Kg
75-00-3	Chloroethane	1.8	U	5.0	1.8	ug/Kg
75-69-4	Trichlorofluoromethane	1.2	U	5.0	1.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.7	U	5.0	1.7	ug/Kg
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	ug/Kg
67-64-1	Acetone	17	U	25	17	ug/Kg
75-15-0	Carbon disulfide	1.1	U	5.0	1.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.89	U	5.0	0.89	ug/Kg
79-20-9	Methyl Acetate	1.7	U	5.0	1.7	ug/Kg
75-09-2	Methylene Chloride	2.4	U	5.0	2.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.2	U	5.0	1.2	ug/Kg
75-34-3	1,1-Dichloroethane	1.1	U	5.0	1.1	ug/Kg
110-82-7	Cyclohexane	1.0	U	5.0	1.0	ug/Kg
78-93-3	2-Butanone	5.0	U	25	5.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.59	U	5.0	0.59	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.3	U	5.0	1.3	ug/Kg
67-66-3	Chloroform	0.89	U	5.0	0.89	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	5.0	0.95	ug/Kg
108-87-2	Methylcyclohexane	0.83	U	5.0	0.83	ug/Kg
71-43-2	Benzene	0.72	U	5.0	0.72	ug/Kg
107-06-2	1,2-Dichloroethane	0.82	U	5.0	0.82	ug/Kg
79-01-6	Trichloroethene	0.73	U	5.0	0.73	ug/Kg
78-87-5	1,2-Dichloropropane	0.94	U	5.0	0.94	ug/Kg
75-27-4	Bromodichloromethane	0.70	U	5.0	0.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.8	U	25	3.8	ug/Kg
108-88-3	Toluene	0.88	U	5.0	0.88	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.84	U	5.0	0.84	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	5.0	0.67	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.61	U	5.0	0.61	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**VBLK03**	**SDG No.:**	**Z3012**
Lab Sample ID:	**VBI0530S2**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**0**
Sample Wt/Wol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019322.D	1	5/30/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	4.4	U	25	4.4	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	5.0	0.66	ug/Kg
106-93-4	1,2-Dibromoethane	0.82	U	5.0	0.82	ug/Kg
127-18-4	Tetrachloroethene	1.2	U	5.0	1.2	ug/Kg
108-90-7	Chlorobenzene	0.76	U	5.0	0.76	ug/Kg
100-41-4	Ethyl Benzene	0.80	U	5.0	0.80	ug/Kg
126777-61-2	m/p-Xylenes	1.9	U	10	1.9	ug/Kg
95-47-6	o-Xylene	0.76	U	5.0	0.76	ug/Kg
100-42-5	Styrene	0.62	U	5.0	0.62	ug/Kg
75-25-2	Bromoform	0.81	U	5.0	0.81	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	5.0	0.82	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	5.0	0.89	ug/Kg
103-65-1	N-propylbenzene	0.79	U	5.0	0.79	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	ug/Kg
98-06-6	tert-Butylbenzene	0.72	U	5.0	0.72	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.78	U	5.0	0.78	ug/Kg
135-98-8	Sec-butylbenzene	0.84	U	5.0	0.84	ug/Kg
99-87-6	p-Isopropyltoluene	0.87	U	5.0	0.87	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.67	U	5.0	0.67	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.77	U	5.0	0.77	ug/Kg
104-51-8	n-Butylbenzene	0.94	U	5.0	0.94	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.86	U	5.0	0.86	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	5.0	1.0	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	5.0	0.66	ug/Kg
91-20-3	Naphthalene	0.57	U	5.0	0.57	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7	105 %	54 - 142		SPK: 50
1868-53-7	Dibromofluoromethane	51.26	103 %	54 - 141		SPK: 50
2037-26-5	Toluene-d8	52.03	104 %	63 - 124		SPK: 50
460-00-4	4-Bromofluorobenzene	52.17	104 %	50 - 133		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	421730	8.22			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**VBLK03**	**SDG No.:**	**Z3012**
Lab Sample ID:	**VBI0530S2**	**Matrix:**	**SOIL**
Analytical Method:	**8260**	**% Moisture:**	**0**
Sample Wt/Wol:	**5.0 Units: g**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI019322.D	1	5/30/2008	VI051308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
540-36-3	1,4-Difluorobenzene	801944	8.80			
3114-55-4	Chlorobenzene-d5	836850	11.70			
3855-82-1	1,4-Dichlorobenzene-d4	376766	14.00			
TENTITIVE IDENTIFIED COMPOUNDS						
000540-84-1	Pentane, 2,2,4-trimethyl-	39	J	8.09		ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	11	J	9.27		ug/Kg

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TABULATED ANALYTICAL RESULTS REPORTS

GC/MS EXTRACTABLES

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**14**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038647.D	20	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	260	U	7700	260	ug/Kg
108-95-2	Phenol	210	U	7700	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	7700	100	ug/Kg
95-57-8	2-Chlorophenol	210	U	7700	210	ug/Kg
95-48-7	2-Methylphenol	200	U	7700	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	7700	320	ug/Kg
98-86-2	Acetophenone	230	U	7700	230	ug/Kg
106-44-5	3+4-Methylphenols	230	U	7700	230	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	280	U	7700	280	ug/Kg
67-72-1	Hexachloroethane	250	U	7700	250	ug/Kg
98-95-3	Nitrobenzene	180	U	7700	180	ug/Kg
78-59-1	Isophorone	250	U	7700	250	ug/Kg
88-75-5	2-Nitrophenol	280	U	7700	280	ug/Kg
105-67-9	2,4-Dimethylphenol	230	U	7700	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	7700	180	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	7700	180	ug/Kg
91-20-3	Naphthalene	6400	J	7700	190	ug/Kg
106-47-8	4-Chloroaniline	500	U	7700	500	ug/Kg
87-68-3	Hexachlorobutadiene	310	U	7700	310	ug/Kg
105-60-2	Caprolactam	920	U	7700	920	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	7700	230	ug/Kg
91-57-6	2-Methylnaphthalene	4100	J	7700	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	390	U	7700	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	7700	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	19000	230	ug/Kg
92-52-4	1,1-Biphenyl	1100	J	7700	230	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	7700	190	ug/Kg
88-74-4	2-Nitroaniline	360	U	19000	360	ug/Kg
131-11-3	Dimethylphthalate	220	U	7700	220	ug/Kg
208-96-8	Acenaphthylene	790	J	7700	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	7700	270	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**14**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038647.D	20	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	510	U	19000	510	ug/Kg
83-32-9	Acenaphthene	10000		7700	170	ug/Kg
51-28-5	2,4-Dinitrophenol	410	U	19000	410	ug/Kg
100-02-7	4-Nitrophenol	450	U	19000	450	ug/Kg
132-64-9	Dibenzofuran	6800	J	7700	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	7700	250	ug/Kg
84-66-2	Diethylphthalate	260	U	7700	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	7700	290	ug/Kg
86-73-7	Fluorene	10000		7700	210	ug/Kg
100-01-6	4-Nitroaniline	600	U	19000	600	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000	U	19000	1000	ug/Kg
86-30-6	N-Nitrosodiphenylamine	580	U	7700	580	ug/Kg
101-55-3	4-Bromophenyl-phenylether	350	U	7700	350	ug/Kg
118-74-1	Hexachlorobenzene	230	U	7700	230	ug/Kg
1912-24-9	Atrazine	540	U	7700	540	ug/Kg
87-86-5	Pentachlorophenol	870	U	19000	870	ug/Kg
85-01-8	Phenanthrene	140000	E	7700	240	ug/Kg
120-12-7	Anthracene	14000		7700	260	ug/Kg
86-74-8	Carbazole	11000		7700	590	ug/Kg
84-74-2	Di-n-butylphthalate	360	U	7700	360	ug/Kg
206-44-0	Fluoranthene	130000	E	7700	190	ug/Kg
129-00-0	Pyrene	110000	E	7700	170	ug/Kg
85-68-7	Butylbenzylphthalate	490	U	7700	490	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580	U	7700	580	ug/Kg
56-55-3	Benzo(a)anthracene	40000		7700	180	ug/Kg
218-01-9	Chrysene	47000	E	7700	140	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	290	U	7700	290	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	7700	270	ug/Kg
205-99-2	Benzo(b)fluoranthene	67000	E	7700	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	15000		7700	350	ug/Kg
50-32-8	Benzo(a)pyrene	43000		7700	230	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**14**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038647.D	20	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	15000		7700	190	ug/Kg
53-70-3	Dibenz(a,h)anthracene	1500	J	7700	560	ug/Kg
191-24-2	Benzo(g,h,i)perylene	19000		7700	560	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142.6	95 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	146	97 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	91.4	91 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	96.6	97 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	126.2	84 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	77.60	78 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	164903	5.81			
1146-65-2	Naphthalene-d8	693615	8.15			
15067-26-2	Acenaphthene-d10	438576	11.59			
1517-22-2	Phenanthrene-d10	708152	14.54			
1719-03-5	Chrysene-d12	723059	19.82			
1520-96-3	Perylene-d12	596760	22.49			
TENTITIVE IDENTIFIED COMPOUNDS						
486-25-9	9H-Fluoren-9-one	7100	J	14.16		ug/Kg
132-65-0	Dibenzothiophene	9100	J	14.31		ug/Kg
610-48-0	Anthracene, 1-methyl-	13000	J	15.56		ug/Kg
2531-84-2	Phenanthrene, 2-methyl-	14000	J	15.61		ug/Kg
90-60-8	Benzaldehyde, 3,5-dichloro-2-hyd	19000	J	15.76		ug/Kg
613-12-7	Anthracene, 2-methyl-	8800	J	15.81		ug/Kg
84-65-1	9,10-Anthracenedione	25000	J	16.22		ug/Kg
3674-66-6	Phenanthrene, 2,5-dimethyl-	6000	J	16.68		ug/Kg
1090-13-7	5,12-Naphthacenedione	4700	J	21.25		ug/Kg
177205-54-8	1,2,3,4-Tetrahydro-1,4-ethanoanthr	6300	J	22.19		ug/Kg
198-55-0	Perylene	34000	J	22.29		ug/Kg
3343-10-0	Benz[j]aceanthrylene, 3-methyl-	4400	J	22.79		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**14**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038702.D	100	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	1300	UD	38000	1300	ug/Kg
108-95-2	Phenol	1100	UD	38000	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	500	UD	38000	500	ug/Kg
95-57-8	2-Chlorophenol	1000	UD	38000	1000	ug/Kg
95-48-7	2-Methylphenol	1000	UD	38000	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600	UD	38000	1600	ug/Kg
98-86-2	Acetophenone	1100	UD	38000	1100	ug/Kg
106-44-5	3+4-Methylphenols	1200	UD	38000	1200	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1400	UD	38000	1400	ug/Kg
67-72-1	Hexachloroethane	1300	UD	38000	1300	ug/Kg
98-95-3	Nitrobenzene	900	UD	38000	900	ug/Kg
78-59-1	Isophorone	1300	UD	38000	1300	ug/Kg
88-75-5	2-Nitrophenol	1400	UD	38000	1400	ug/Kg
105-67-9	2,4-Dimethylphenol	1100	UD	38000	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880	UD	38000	880	ug/Kg
120-83-2	2,4-Dichlorophenol	910	UD	38000	910	ug/Kg
91-20-3	Naphthalene	6900	JD	38000	930	ug/Kg
106-47-8	4-Chloroaniline	2500	UD	38000	2500	ug/Kg
87-68-3	Hexachlorobutadiene	1600	UD	38000	1600	ug/Kg
105-60-2	Caprolactam	4600	UD	38000	4600	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100	UD	38000	1100	ug/Kg
91-57-6	2-Methylnaphthalene	4400	JD	38000	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	UD	38000	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	890	UD	38000	890	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100	UD	96000	1100	ug/Kg
92-52-4	1,1-Biphenyl	1100	UD	38000	1100	ug/Kg
91-58-7	2-Chloronaphthalene	930	UD	38000	930	ug/Kg
88-74-4	2-Nitroaniline	1800	UD	96000	1800	ug/Kg
131-11-3	Dimethylphthalate	1100	UD	38000	1100	ug/Kg
208-96-8	Acenaphthylene	560	UD	38000	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400	UD	38000	1400	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**14**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038702.D	100	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	2500	UD	96000	2500	ug/Kg
83-32-9	Acenaphthene	11000	JD	38000	830	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	UD	96000	2000	ug/Kg
100-02-7	4-Nitrophenol	2300	UD	96000	2300	ug/Kg
132-64-9	Dibenzofuran	8300	JD	38000	1200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300	UD	38000	1300	ug/Kg
84-66-2	Diethylphthalate	1300	UD	38000	1300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500	UD	38000	1500	ug/Kg
86-73-7	Fluorene	11000	JD	38000	1000	ug/Kg
100-01-6	4-Nitroaniline	3000	UD	96000	3000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	5200	UD	96000	5200	ug/Kg
86-30-6	N-Nitrosodiphenylamine	2900	UD	38000	2900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700	UD	38000	1700	ug/Kg
118-74-1	Hexachlorobenzene	1200	UD	38000	1200	ug/Kg
1912-24-9	Atrazine	2700	UD	38000	2700	ug/Kg
87-86-5	Pentachlorophenol	4300	UD	96000	4300	ug/Kg
85-01-8	Phenanthrene	130000	D	38000	1200	ug/Kg
120-12-7	Anthracene	15000	JD	38000	1300	ug/Kg
86-74-8	Carbazole	11000	JD	38000	2900	ug/Kg
84-74-2	Di-n-butylphthalate	1800	UD	38000	1800	ug/Kg
206-44-0	Fluoranthene	110000	D	38000	930	ug/Kg
129-00-0	Pyrene	100000	D	38000	840	ug/Kg
85-68-7	Butylbenzylphthalate	2400	UD	38000	2400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2900	UD	38000	2900	ug/Kg
56-55-3	Benzo(a)anthracene	42000	D	38000	920	ug/Kg
218-01-9	Chrysene	44000	D	38000	710	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	1500	UD	38000	1500	ug/Kg
117-84-0	Di-n-octyl phthalate	1300	UD	38000	1300	ug/Kg
205-99-2	Benzo(b)fluoranthene	75000	D	38000	2800	ug/Kg
207-08-9	Benzo(k)fluoranthene	76000	D	38000	1800	ug/Kg
50-32-8	Benzo(a)pyrene	39000	D	38000	1100	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**14**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038702.D	100	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	15000	JD	38000	970	ug/Kg
53-70-3	Dibenz(a,h)anthracene	6000	JD	38000	2800	ug/Kg
191-24-2	Benzo(g,h,i)perylene	21000	JD	38000	2800	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	104	69 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	124	83 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	83	83 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	91	91 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	126	84 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	82	82 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	145501	5.78			
1146-65-2	Naphthalene-d8	566115	8.13			
15067-26-2	Acenaphthene-d10	384176	11.56			
1517-22-2	Phenanthrene-d10	753181	14.50			
1719-03-5	Chrysene-d12	721906	19.79			
1520-96-3	Perylene-d12	624987	22.45			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**16**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038640.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	13	U	390	13	ug/Kg
108-95-2	Phenol	11	U	390	11	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5.1	U	390	5.1	ug/Kg
95-57-8	2-Chlorophenol	11	U	390	11	ug/Kg
95-48-7	2-Methylphenol	10	U	390	10	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	16	U	390	16	ug/Kg
98-86-2	Acetophenone	12	U	390	12	ug/Kg
106-44-5	3+4-Methylphenols	12	U	390	12	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	14	U	390	14	ug/Kg
67-72-1	Hexachloroethane	13	U	390	13	ug/Kg
98-95-3	Nitrobenzene	9.2	U	390	9.2	ug/Kg
78-59-1	Isophorone	13	U	390	13	ug/Kg
88-75-5	2-Nitrophenol	14	U	390	14	ug/Kg
105-67-9	2,4-Dimethylphenol	12	U	390	12	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	9.0	U	390	9.0	ug/Kg
120-83-2	2,4-Dichlorophenol	9.3	U	390	9.3	ug/Kg
91-20-3	Naphthalene	9.5	U	390	9.5	ug/Kg
106-47-8	4-Chloroaniline	26	U	390	26	ug/Kg
87-68-3	Hexachlorobutadiene	16	U	390	16	ug/Kg
105-60-2	Caprolactam	47	U	390	47	ug/Kg
59-50-7	4-Chloro-3-methylphenol	12	U	390	12	ug/Kg
91-57-6	2-Methylnaphthalene	11	U	390	11	ug/Kg
77-47-4	Hexachlorocyclopentadiene	20	U	390	20	ug/Kg
88-06-2	2,4,6-Trichlorophenol	9.1	U	390	9.1	ug/Kg
95-95-4	2,4,5-Trichlorophenol	12	U	990	12	ug/Kg
92-52-4	1,1-Biphenyl	12	U	390	12	ug/Kg
91-58-7	2-Chloronaphthalene	9.5	U	390	9.5	ug/Kg
88-74-4	2-Nitroaniline	18	U	990	18	ug/Kg
131-11-3	Dimethylphthalate	11	U	390	11	ug/Kg
208-96-8	Acenaphthylene	5.8	U	390	5.8	ug/Kg
606-20-2	2,6-Dinitrotoluene	14	U	390	14	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**16**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038640.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	26	U	990	26	ug/Kg
83-32-9	Acenaphthene	110	J	390	8.5	ug/Kg
51-28-5	2,4-Dinitrophenol	21	U	990	21	ug/Kg
100-02-7	4-Nitrophenol	23	U	990	23	ug/Kg
132-64-9	Dibenzofuran	66	J	390	12	ug/Kg
121-14-2	2,4-Dinitrotoluene	13	U	390	13	ug/Kg
84-66-2	Diethylphthalate	13	U	390	13	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	15	U	390	15	ug/Kg
86-73-7	Fluorene	100	J	390	11	ug/Kg
100-01-6	4-Nitroaniline	31	U	990	31	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	53	U	990	53	ug/Kg
86-30-6	N-Nitrosodiphenylamine	30	U	390	30	ug/Kg
101-55-3	4-Bromophenyl-phenylether	18	U	390	18	ug/Kg
118-74-1	Hexachlorobenzene	12	U	390	12	ug/Kg
1912-24-9	Atrazine	28	U	390	28	ug/Kg
87-86-5	Pentachlorophenol	45	U	990	45	ug/Kg
85-01-8	Phenanthrene	1900		390	12	ug/Kg
120-12-7	Anthracene	210	J	390	13	ug/Kg
86-74-8	Carbazole	190	J	390	30	ug/Kg
84-74-2	Di-n-butylphthalate	18	U	390	18	ug/Kg
206-44-0	Fluoranthene	2400	E	390	9.5	ug/Kg
129-00-0	Pyrene	2000		390	8.6	ug/Kg
85-68-7	Butylbenzylphthalate	25	U	390	25	ug/Kg
91-94-1	3,3-Dichlorobenzidine	30	U	390	30	ug/Kg
56-55-3	Benzo(a)anthracene	860		390	9.5	ug/Kg
218-01-9	Chrysene	900		390	7.3	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	15	U	390	15	ug/Kg
117-84-0	Di-n-octyl phthalate	14	U	390	14	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		390	28	ug/Kg
207-08-9	Benzo(k)fluoranthene	400		390	18	ug/Kg
50-32-8	Benzo(a)pyrene	910		390	12	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**16**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038640.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	490		390	10	ug/Kg
53-70-3	Dibenz(a,h)anthracene	130	J	390	29	ug/Kg
191-24-2	Benzo(g,h,i)perylene	650		390	28	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	61.88	41 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	79.54	53 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	54.65	55 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	62.35	62 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	119.56	80 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	61.56	62 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	191472	5.82			
1146-65-2	Naphthalene-d8	732683	8.17			
15067-26-2	Acenaphthene-d10	493174	11.61			
1517-22-2	Phenanthrene-d10	800593	14.54			
1719-03-5	Chrysene-d12	853768	19.84			
1520-96-3	Perylene-d12	775609	22.50			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP3.13	170	A	3.13		ug/Kg
486-25-9	9H-Fluoren-9-one	110	J	14.18		ug/Kg
132-65-0	Dibenzothiophene	130	J	14.33		ug/Kg
613-12-7	Anthracene, 2-methyl-	200	J	15.57		ug/Kg
610-48-0	Anthracene, 1-methyl-	230	J	15.61		ug/Kg
203-64-5	4H-Cyclopenta[def]phenanthrene	320	J	15.76		ug/Kg
832-69-9	Phenanthrene, 1-methyl-	160	J	15.82		ug/Kg
84-65-1	9,10-Anthracenedione	440	J	16.21		ug/Kg
1576-67-6	Phenanthrene, 3,6-dimethyl-	160	J	16.69		ug/Kg
	unknown22.21	120	J	22.21		ug/Kg
215-58-7	Benzo[b]triphenylene	140	J	25.17		ug/Kg
191-26-4	Dibenzo[def,mno]chrysene	150	J	25.81		ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**16**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038697.D	2	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	26	UD	780	26	ug/Kg
108-95-2	Phenol	22	UD	780	22	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	10	UD	780	10	ug/Kg
95-57-8	2-Chlorophenol	21	UD	780	21	ug/Kg
95-48-7	2-Methylphenol	21	UD	780	21	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	UD	780	32	ug/Kg
98-86-2	Acetophenone	23	UD	780	23	ug/Kg
106-44-5	3+4-Methylphenols	24	UD	780	24	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	28	UD	780	28	ug/Kg
67-72-1	Hexachloroethane	26	UD	780	26	ug/Kg
98-95-3	Nitrobenzene	18	UD	780	18	ug/Kg
78-59-1	Isophorone	26	UD	780	26	ug/Kg
88-75-5	2-Nitrophenol	29	UD	780	29	ug/Kg
105-67-9	2,4-Dimethylphenol	24	UD	780	24	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	18	UD	780	18	ug/Kg
120-83-2	2,4-Dichlorophenol	19	UD	780	19	ug/Kg
91-20-3	Naphthalene	19	UD	780	19	ug/Kg
106-47-8	4-Chloroaniline	52	UD	780	52	ug/Kg
87-68-3	Hexachlorobutadiene	32	UD	780	32	ug/Kg
105-60-2	Caprolactam	94	UD	780	94	ug/Kg
59-50-7	4-Chloro-3-methylphenol	23	UD	780	23	ug/Kg
91-57-6	2-Methylnaphthalene	22	UD	780	22	ug/Kg
77-47-4	Hexachlorocyclopentadiene	40	UD	780	40	ug/Kg
88-06-2	2,4,6-Trichlorophenol	18	UD	780	18	ug/Kg
95-95-4	2,4,5-Trichlorophenol	23	UD	2000	23	ug/Kg
92-52-4	1,1-Biphenyl	23	UD	780	23	ug/Kg
91-58-7	2-Chloronaphthalene	19	UD	780	19	ug/Kg
88-74-4	2-Nitroaniline	37	UD	2000	37	ug/Kg
131-11-3	Dimethylphthalate	23	UD	780	23	ug/Kg
208-96-8	Acenaphthylene	12	UD	780	12	ug/Kg
606-20-2	2,6-Dinitrotoluene	28	UD	780	28	ug/Kg

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**16**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038697.D	2	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	52	UD	2000	52	ug/Kg
83-32-9	Acenaphthene	82	JD	780	17	ug/Kg
51-28-5	2,4-Dinitrophenol	42	UD	2000	42	ug/Kg
100-02-7	4-Nitrophenol	47	UD	2000	47	ug/Kg
132-64-9	Dibenzofuran	24	UD	780	24	ug/Kg
121-14-2	2,4-Dinitrotoluene	26	UD	780	26	ug/Kg
84-66-2	Diethylphthalate	27	UD	780	27	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30	UD	780	30	ug/Kg
86-73-7	Fluorene	87	JD	780	21	ug/Kg
100-01-6	4-Nitroaniline	62	UD	2000	62	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UD	2000	110	ug/Kg
86-30-6	N-Nitrosodiphenylamine	59	UD	780	59	ug/Kg
101-55-3	4-Bromophenyl-phenylether	36	UD	780	36	ug/Kg
118-74-1	Hexachlorobenzene	24	UD	780	24	ug/Kg
1912-24-9	Atrazine	56	UD	780	56	ug/Kg
87-86-5	Pentachlorophenol	89	UD	2000	89	ug/Kg
85-01-8	Phenanthrene	1300	D	780	24	ug/Kg
120-12-7	Anthracene	180	JD	780	26	ug/Kg
86-74-8	Carbazole	140	JD	780	60	ug/Kg
84-74-2	Di-n-butylphthalate	37	UD	780	37	ug/Kg
206-44-0	Fluoranthene	1800	D	780	19	ug/Kg
129-00-0	Pyrene	1600	D	780	17	ug/Kg
85-68-7	Butylbenzylphthalate	50	UD	780	50	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59	UD	780	59	ug/Kg
56-55-3	Benzo(a)anthracene	670	JD	780	19	ug/Kg
218-01-9	Chrysene	770	JD	780	15	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	30	UD	780	30	ug/Kg
117-84-0	Di-n-octyl phthalate	28	UD	780	28	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000	D	780	57	ug/Kg
207-08-9	Benzo(k)fluoranthene	260	JD	780	36	ug/Kg
50-32-8	Benzo(a)pyrene	690	JD	780	23	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**16**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038697.D	2	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	310	JD	780	20	ug/Kg
53-70-3	Dibenz(a,h)anthracene	58	UD	780	58	ug/Kg
191-24-2	Benzo(g,h,i)perylene	400	JD	780	57	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	53.54	36 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	72.06	48 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	46.06	46 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	47.54	48 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	86.16	57 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	47.12	47 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	209770	5.80			
1146-65-2	Naphthalene-d8	830060	8.13			
15067-26-2	Acenaphthene-d10	575748	11.57			
1517-22-2	Phenanthrene-d10	1078074	14.51			
1719-03-5	Chrysene-d12	1019383	19.81			
1520-96-3	Perylene-d12	946914	22.50			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-03**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**17**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038645.D	10	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	130	U	4000	130	ug/Kg
108-95-2	Phenol	110	U	4000	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52	U	4000	52	ug/Kg
95-57-8	2-Chlorophenol	110	U	4000	110	ug/Kg
95-48-7	2-Methylphenol	110	U	4000	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	4000	160	ug/Kg
98-86-2	Acetophenone	120	U	4000	120	ug/Kg
106-44-5	3+4-Methylphenols	120	U	4000	120	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	140	U	4000	140	ug/Kg
67-72-1	Hexachloroethane	130	U	4000	130	ug/Kg
98-95-3	Nitrobenzene	93	U	4000	93	ug/Kg
78-59-1	Isophorone	130	U	4000	130	ug/Kg
88-75-5	2-Nitrophenol	150	U	4000	150	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	4000	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91	U	4000	91	ug/Kg
120-83-2	2,4-Dichlorophenol	94	U	4000	94	ug/Kg
91-20-3	Naphthalene	96	U	4000	96	ug/Kg
106-47-8	4-Chloroaniline	260	U	4000	260	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	4000	160	ug/Kg
105-60-2	Caprolactam	480	U	4000	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	4000	120	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	4000	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	4000	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	92	U	4000	92	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	10000	120	ug/Kg
92-52-4	1,1-Biphenyl	120	U	4000	120	ug/Kg
91-58-7	2-Chloronaphthalene	96	U	4000	96	ug/Kg
88-74-4	2-Nitroaniline	190	U	10000	190	ug/Kg
131-11-3	Dimethylphthalate	120	U	4000	120	ug/Kg
208-96-8	Acenaphthylene	58	U	4000	58	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	4000	140	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-03**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**17**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038645.D	10	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	260	U	10000	260	ug/Kg
83-32-9	Acenaphthene	86	U	4000	86	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	10000	210	ug/Kg
100-02-7	4-Nitrophenol	240	U	10000	240	ug/Kg
132-64-9	Dibenzofuran	120	U	4000	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	4000	130	ug/Kg
84-66-2	Diethylphthalate	140	U	4000	140	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	4000	150	ug/Kg
86-73-7	Fluorene	110	U	4000	110	ug/Kg
100-01-6	4-Nitroaniline	310	U	10000	310	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	540	U	10000	540	ug/Kg
86-30-6	N-Nitrosodiphenylamine	300	U	4000	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	4000	180	ug/Kg
118-74-1	Hexachlorobenzene	120	U	4000	120	ug/Kg
1912-24-9	Atrazine	280	U	4000	280	ug/Kg
87-86-5	Pentachlorophenol	450	U	10000	450	ug/Kg
85-01-8	Phenanthrene	3100	J	4000	120	ug/Kg
120-12-7	Anthracene	550	J	4000	130	ug/Kg
86-74-8	Carbazole	300	U	4000	300	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	4000	190	ug/Kg
206-44-0	Fluoranthene	3900	J	4000	96	ug/Kg
129-00-0	Pyrene	3900	J	4000	87	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	4000	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	4000	300	ug/Kg
56-55-3	Benzo(a)anthracene	1800	J	4000	96	ug/Kg
218-01-9	Chrysene	2000	J	4000	74	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	150	U	4000	150	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	4000	140	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400	J	4000	290	ug/Kg
207-08-9	Benzo(k)fluoranthene	850	J	4000	180	ug/Kg
50-32-8	Benzo(a)pyrene	1800	J	4000	120	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-03**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**17**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038645.D	10	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	810	J	4000	100	ug/Kg
53-70-3	Dibenz(a,h)anthracene	290	U	4000	290	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970	J	4000	290	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125.6	84 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	129	86 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	96.7	97 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	82	82 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	116.6	78 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	67.2	67 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	177181	5.82			
1146-65-2	Naphthalene-d8	668967	8.15			
15067-26-2	Acenaphthene-d10	444396	11.58			
1517-22-2	Phenanthrene-d10	808987	14.52			
1719-03-5	Chrysene-d12	721552	19.80			
1520-96-3	Perylene-d12	674190	22.48			
TENTITIVE IDENTIFIED COMPOUNDS						
84-65-1	9,10-Anthracenedione	810	J	16.19		ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**15**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038641.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	13	U	390	13	ug/Kg
108-95-2	Phenol	11	U	390	11	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5.1	U	390	5.1	ug/Kg
95-57-8	2-Chlorophenol	11	U	390	11	ug/Kg
95-48-7	2-Methylphenol	10	U	390	10	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	16	U	390	16	ug/Kg
98-86-2	Acetophenone	12	U	390	12	ug/Kg
106-44-5	3+4-Methylphenols	12	U	390	12	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	14	U	390	14	ug/Kg
67-72-1	Hexachloroethane	13	U	390	13	ug/Kg
98-95-3	Nitrobenzene	9.1	U	390	9.1	ug/Kg
78-59-1	Isophorone	13	U	390	13	ug/Kg
88-75-5	2-Nitrophenol	14	U	390	14	ug/Kg
105-67-9	2,4-Dimethylphenol	12	U	390	12	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	8.9	U	390	8.9	ug/Kg
120-83-2	2,4-Dichlorophenol	9.2	U	390	9.2	ug/Kg
91-20-3	Naphthalene	930		390	9.4	ug/Kg
106-47-8	4-Chloroaniline	26	U	390	26	ug/Kg
87-68-3	Hexachlorobutadiene	16	U	390	16	ug/Kg
105-60-2	Caprolactam	47	U	390	47	ug/Kg
59-50-7	4-Chloro-3-methylphenol	11	U	390	11	ug/Kg
91-57-6	2-Methylnaphthalene	360	J	390	11	ug/Kg
77-47-4	Hexachlorocyclopentadiene	20	U	390	20	ug/Kg
88-06-2	2,4,6-Trichlorophenol	9.0	U	390	9.0	ug/Kg
95-95-4	2,4,5-Trichlorophenol	12	U	970	12	ug/Kg
92-52-4	1,1-Biphenyl	92	J	390	11	ug/Kg
91-58-7	2-Chloronaphthalene	9.4	U	390	9.4	ug/Kg
88-74-4	2-Nitroaniline	18	U	970	18	ug/Kg
131-11-3	Dimethylphthalate	11	U	390	11	ug/Kg
208-96-8	Acenaphthylene	130	J	390	5.7	ug/Kg
606-20-2	2,6-Dinitrotoluene	14	U	390	14	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**15**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038641.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	26	U	970	26	ug/Kg
83-32-9	Acenaphthene	490		390	8.4	ug/Kg
51-28-5	2,4-Dinitrophenol	21	U	970	21	ug/Kg
100-02-7	4-Nitrophenol	23	U	970	23	ug/Kg
132-64-9	Dibenzofuran	570		390	12	ug/Kg
121-14-2	2,4-Dinitrotoluene	13	U	390	13	ug/Kg
84-66-2	Diethylphthalate	13	U	390	13	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	15	U	390	15	ug/Kg
86-73-7	Fluorene	850		390	10	ug/Kg
100-01-6	4-Nitroaniline	31	U	970	31	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52	U	970	52	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	390	29	ug/Kg
101-55-3	4-Bromophenyl-phenylether	18	U	390	18	ug/Kg
118-74-1	Hexachlorobenzene	12	U	390	12	ug/Kg
1912-24-9	Atrazine	27	U	390	27	ug/Kg
87-86-5	Pentachlorophenol	44	U	970	44	ug/Kg
85-01-8	Phenanthrene	7500	E	390	12	ug/Kg
120-12-7	Anthracene	1400		390	13	ug/Kg
86-74-8	Carbazole	700		390	30	ug/Kg
84-74-2	Di-n-butylphthalate	18	U	390	18	ug/Kg
206-44-0	Fluoranthene	6600	E	390	9.4	ug/Kg
129-00-0	Pyrene	4900	E	390	8.5	ug/Kg
85-68-7	Butylbenzylphthalate	25	U	390	25	ug/Kg
91-94-1	3,3-Dichlorobenzidine	29	U	390	29	ug/Kg
56-55-3	Benzo(a)anthracene	2500	E	390	9.3	ug/Kg
218-01-9	Chrysene	2400	E	390	7.2	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	15	U	390	15	ug/Kg
117-84-0	Di-n-octyl phthalate	14	U	390	14	ug/Kg
205-99-2	Benzo(b)fluoranthene	3100	E	390	28	ug/Kg
207-08-9	Benzo(k)fluoranthene	990		390	18	ug/Kg
50-32-8	Benzo(a)pyrene	2300		390	11	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**15**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038641.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	830		390	9.8	ug/Kg
53-70-3	Dibenz(a,h)anthracene	300	J	390	29	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		390	28	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111.39	74 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	116.95	78 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	79.51	80 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	76.57	77 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	136.13	91 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	57.51	58 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	197855	5.83			
1146-65-2	Naphthalene-d8	766895	8.17			
15067-26-2	Acenaphthene-d10	492527	11.60			
1517-22-2	Phenanthrene-d10	820028	14.55			
1719-03-5	Chrysene-d12	918928	19.84			
1520-96-3	Perylene-d12	763136	22.51			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP3.13	270	A	3.13		ug/Kg
238-84-6	11H-Benzo[a]fluorene	200	J	18.10		ug/Kg
1000225-64-4	2-(3,4-Dimethoxyphenyl)-6-methy	370	J	22.20		ug/Kg
192-97-2	Benzo[e]pyrene	1600	J	22.31		ug/Kg
239-85-0	13H-Dibenzo[a,h]fluorene	300	J	22.82		ug/Kg
24471-47-4	Perylene, 3-methyl-	220	J	23.03		ug/Kg
	unknown23.36	190	J	23.36		ug/Kg
	unknown24.26	200	J	24.26		ug/Kg
215-58-7	Benzo[b]triphenylene	400	J	24.53		ug/Kg
135-48-8	Pentacene	240	J	25.09		ug/Kg
	Unknown25.17	240	J	25.17		ug/Kg
191-26-4	Dibenzo[def,mno]chrysene	240	J	25.82		ug/Kg
559-74-0	Friedelan-3-one	3100	J	28.92		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**15**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038698.D	5	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	65	UD	1900	65	ug/Kg
108-95-2	Phenol	54	UD	1900	54	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25	UD	1900	25	ug/Kg
95-57-8	2-Chlorophenol	53	UD	1900	53	ug/Kg
95-48-7	2-Methylphenol	52	UD	1900	52	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	80	UD	1900	80	ug/Kg
98-86-2	Acetophenone	58	UD	1900	58	ug/Kg
106-44-5	3+4-Methylphenols	59	UD	1900	59	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	70	UD	1900	70	ug/Kg
67-72-1	Hexachloroethane	63	UD	1900	63	ug/Kg
98-95-3	Nitrobenzene	46	UD	1900	46	ug/Kg
78-59-1	Isophorone	64	UD	1900	64	ug/Kg
88-75-5	2-Nitrophenol	71	UD	1900	71	ug/Kg
105-67-9	2,4-Dimethylphenol	58	UD	1900	58	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	45	UD	1900	45	ug/Kg
120-83-2	2,4-Dichlorophenol	46	UD	1900	46	ug/Kg
91-20-3	Naphthalene	960	JD	1900	47	ug/Kg
106-47-8	4-Chloroaniline	130	UD	1900	130	ug/Kg
87-68-3	Hexachlorobutadiene	79	UD	1900	79	ug/Kg
105-60-2	Caprolactam	230	UD	1900	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57	UD	1900	57	ug/Kg
91-57-6	2-Methylnaphthalene	380	JD	1900	55	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	UD	1900	100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45	UD	1900	45	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58	UD	4900	58	ug/Kg
92-52-4	1,1-Biphenyl	57	UD	1900	57	ug/Kg
91-58-7	2-Chloronaphthalene	47	UD	1900	47	ug/Kg
88-74-4	2-Nitroaniline	91	UD	4900	91	ug/Kg
131-11-3	Dimethylphthalate	57	UD	1900	57	ug/Kg
208-96-8	Acenaphthylene	28	UD	1900	28	ug/Kg
606-20-2	2,6-Dinitrotoluene	69	UD	1900	69	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**15**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038698.D	5	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	130	UD	4900	130	ug/Kg
83-32-9	Acenaphthene	500	JD	1900	42	ug/Kg
51-28-5	2,4-Dinitrophenol	100	UD	4900	100	ug/Kg
100-02-7	4-Nitrophenol	120	UD	4900	120	ug/Kg
132-64-9	Dibenzofuran	640	JD	1900	60	ug/Kg
121-14-2	2,4-Dinitrotoluene	64	UD	1900	64	ug/Kg
84-66-2	Diethylphthalate	66	UD	1900	66	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	74	UD	1900	74	ug/Kg
86-73-7	Fluorene	850	JD	1900	52	ug/Kg
100-01-6	4-Nitroaniline	150	UD	4900	150	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	UD	4900	260	ug/Kg
86-30-6	N-Nitrosodiphenylamine	150	UD	1900	150	ug/Kg
101-55-3	4-Bromophenyl-phenylether	88	UD	1900	88	ug/Kg
118-74-1	Hexachlorobenzene	59	UD	1900	59	ug/Kg
1912-24-9	Atrazine	140	UD	1900	140	ug/Kg
87-86-5	Pentachlorophenol	220	UD	4900	220	ug/Kg
85-01-8	Phenanthrene	7100	D	1900	60	ug/Kg
120-12-7	Anthracene	1400	JD	1900	65	ug/Kg
86-74-8	Carbazole	710	JD	1900	150	ug/Kg
84-74-2	Di-n-butylphthalate	91	UD	1900	91	ug/Kg
206-44-0	Fluoranthene	5700	D	1900	47	ug/Kg
129-00-0	Pyrene	5400	D	1900	42	ug/Kg
85-68-7	Butylbenzylphthalate	120	UD	1900	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	UD	1900	150	ug/Kg
56-55-3	Benzo(a)anthracene	2600	D	1900	47	ug/Kg
218-01-9	Chrysene	2500	D	1900	36	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	74	UD	1900	74	ug/Kg
117-84-0	Di-n-octyl phthalate	68	UD	1900	68	ug/Kg
205-99-2	Benzo(b)fluoranthene	2600	D	1900	140	ug/Kg
207-08-9	Benzo(k)fluoranthene	950	JD	1900	89	ug/Kg
50-32-8	Benzo(a)pyrene	2000	D	1900	57	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**15**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038698.D	5	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	790	JD	1900	49	ug/Kg
53-70-3	Dibenz(a,h)anthracene	140	UD	1900	140	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870	JD	1900	140	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	116.2	77 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	126.2	84 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	84	84 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	70.10	70 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	120.85	81 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	64.5	65 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	179916	5.79			
1146-65-2	Naphthalene-d8	695669	8.13			
15067-26-2	Acenaphthene-d10	477065	11.56			
1517-22-2	Phenanthrene-d10	876709	14.51			
1719-03-5	Chrysene-d12	787072	19.81			
1520-96-3	Perylene-d12	777434	22.48			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-05**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**13**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038643.D	5	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	63	U	1900	63	ug/Kg
108-95-2	Phenol	53	U	1900	53	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25	U	1900	25	ug/Kg
95-57-8	2-Chlorophenol	51	U	1900	51	ug/Kg
95-48-7	2-Methylphenol	50	U	1900	50	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	78	U	1900	78	ug/Kg
98-86-2	Acetophenone	56	U	1900	56	ug/Kg
106-44-5	3+4-Methylphenols	58	U	1900	58	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	69	U	1900	69	ug/Kg
67-72-1	Hexachloroethane	62	U	1900	62	ug/Kg
98-95-3	Nitrobenzene	44	U	1900	44	ug/Kg
78-59-1	Isophorone	62	U	1900	62	ug/Kg
88-75-5	2-Nitrophenol	69	U	1900	69	ug/Kg
105-67-9	2,4-Dimethylphenol	57	U	1900	57	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	44	U	1900	44	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	1900	45	ug/Kg
91-20-3	Naphthalene	240	J	1900	46	ug/Kg
106-47-8	4-Chloroaniline	120	U	1900	120	ug/Kg
87-68-3	Hexachlorobutadiene	77	U	1900	77	ug/Kg
105-60-2	Caprolactam	230	U	1900	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56	U	1900	56	ug/Kg
91-57-6	2-Methylnaphthalene	53	U	1900	53	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97	U	1900	97	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44	U	1900	44	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56	U	4800	56	ug/Kg
92-52-4	1,1-Biphenyl	56	U	1900	56	ug/Kg
91-58-7	2-Chloronaphthalene	46	U	1900	46	ug/Kg
88-74-4	2-Nitroaniline	89	U	4800	89	ug/Kg
131-11-3	Dimethylphthalate	55	U	1900	55	ug/Kg
208-96-8	Acenaphthylene	320	J	1900	28	ug/Kg
606-20-2	2,6-Dinitrotoluene	68	U	1900	68	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-05**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**13**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038643.D	5	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	130	U	4800	130	ug/Kg
83-32-9	Acenaphthene	480	J	1900	41	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	4800	100	ug/Kg
100-02-7	4-Nitrophenol	110	U	4800	110	ug/Kg
132-64-9	Dibenzofuran	270	J	1900	59	ug/Kg
121-14-2	2,4-Dinitrotoluene	63	U	1900	63	ug/Kg
84-66-2	Diethylphthalate	65	U	1900	65	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	72	U	1900	72	ug/Kg
86-73-7	Fluorene	510	J	1900	51	ug/Kg
100-01-6	4-Nitroaniline	150	U	4800	150	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	U	4800	260	ug/Kg
86-30-6	N-Nitrosodiphenylamine	140	U	1900	140	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86	U	1900	86	ug/Kg
118-74-1	Hexachlorobenzene	57	U	1900	57	ug/Kg
1912-24-9	Atrazine	130	U	1900	130	ug/Kg
87-86-5	Pentachlorophenol	210	U	4800	210	ug/Kg
85-01-8	Phenanthrene	5800		1900	59	ug/Kg
120-12-7	Anthracene	1000	J	1900	64	ug/Kg
86-74-8	Carbazole	550	J	1900	140	ug/Kg
84-74-2	Di-n-butylphthalate	89	U	1900	89	ug/Kg
206-44-0	Fluoranthene	11000		1900	46	ug/Kg
129-00-0	Pyrene	9500		1900	41	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	1900	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	1900	140	ug/Kg
56-55-3	Benzo(a)anthracene	4700		1900	46	ug/Kg
218-01-9	Chrysene	4700		1900	35	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	72	U	1900	72	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	1900	66	ug/Kg
205-99-2	Benzo(b)fluoranthene	6800		1900	140	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		1900	87	ug/Kg
50-32-8	Benzo(a)pyrene	4700		1900	56	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-05**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**13**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038643.D	5	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	2000		1900	48	ug/Kg
53-70-3	Dibenz(a,h)anthracene	210	J	1900	140	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		1900	140	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110.35	74 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	126.9	85 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	87	87 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	76.65	77 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	127.25	85 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	65.45	65 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	165369	5.81			
1146-65-2	Naphthalene-d8	650742	8.15			
15067-26-2	Acenaphthene-d10	437206	11.59			
1517-22-2	Phenanthrene-d10	763967	14.53			
1719-03-5	Chrysene-d12	693242	19.82			
1520-96-3	Perylene-d12	642445	22.49			
TENTITIVE IDENTIFIED COMPOUNDS						
132-65-0	Dibenzothiophene	430	J	14.31		ug/Kg
832-69-9	Phenanthrene, 1-methyl-	670	J	15.55		ug/Kg
832-64-4	Phenanthrene, 4-methyl-	870	J	15.61		ug/Kg
203-64-5	4H-Cyclopenta[def]phenanthrene	1200	J	15.75		ug/Kg
779-02-2	Anthracene, 9-methyl-	530	J	15.80		ug/Kg
84-65-1	9,10-Anthracenedione	1200	J	16.20		ug/Kg
1576-67-6	Phenanthrene, 3,6-dimethyl-	500	J	16.68		ug/Kg
243-17-4	11H-Benzo[b]fluorene	760	J	18.08		ug/Kg
2146-97-6	1,1,3,3-Tetrachloro-1,3-disilacycl	410	J	19.37		ug/Kg
2872-48-2	9,10-Anthracenedione, 1,4-diamin	780	J	22.18		ug/Kg
198-55-0	Perylene	3500	J	22.29		ug/Kg
	unknown24.25	440	J	24.25		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**11**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038646.D	20	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	250	U	7400	250	ug/Kg
108-95-2	Phenol	210	U	7400	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	97	U	7400	97	ug/Kg
95-57-8	2-Chlorophenol	200	U	7400	200	ug/Kg
95-48-7	2-Methylphenol	200	U	7400	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	7400	310	ug/Kg
98-86-2	Acetophenone	220	U	7400	220	ug/Kg
106-44-5	3+4-Methylphenols	230	U	7400	230	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	270	U	7400	270	ug/Kg
67-72-1	Hexachloroethane	240	U	7400	240	ug/Kg
98-95-3	Nitrobenzene	170	U	7400	170	ug/Kg
78-59-1	Isophorone	240	U	7400	240	ug/Kg
88-75-5	2-Nitrophenol	270	U	7400	270	ug/Kg
105-67-9	2,4-Dimethylphenol	220	U	7400	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	7400	170	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	7400	180	ug/Kg
91-20-3	Naphthalene	180	U	7400	180	ug/Kg
106-47-8	4-Chloroaniline	490	U	7400	490	ug/Kg
87-68-3	Hexachlorobutadiene	300	U	7400	300	ug/Kg
105-60-2	Caprolactam	890	U	7400	890	ug/Kg
59-50-7	4-Chloro-3-methylphenol	220	U	7400	220	ug/Kg
91-57-6	2-Methylnaphthalene	210	U	7400	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	U	7400	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	7400	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	220	U	19000	220	ug/Kg
92-52-4	1,1-Biphenyl	220	U	7400	220	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	7400	180	ug/Kg
88-74-4	2-Nitroaniline	350	U	19000	350	ug/Kg
131-11-3	Dimethylphthalate	220	U	7400	220	ug/Kg
208-96-8	Acenaphthylene	110	U	7400	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	7400	270	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**11**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038646.D	20	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	490	U	19000	490	ug/Kg
83-32-9	Acenaphthene	160	U	7400	160	ug/Kg
51-28-5	2,4-Dinitrophenol	400	U	19000	400	ug/Kg
100-02-7	4-Nitrophenol	440	U	19000	440	ug/Kg
132-64-9	Dibenzofuran	230	U	7400	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	7400	250	ug/Kg
84-66-2	Diethylphthalate	250	U	7400	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	7400	280	ug/Kg
86-73-7	Fluorene	200	U	7400	200	ug/Kg
100-01-6	4-Nitroaniline	580	U	19000	580	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000	U	19000	1000	ug/Kg
86-30-6	N-Nitrosodiphenylamine	560	U	7400	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	340	U	7400	340	ug/Kg
118-74-1	Hexachlorobenzene	220	U	7400	220	ug/Kg
1912-24-9	Atrazine	520	U	7400	520	ug/Kg
87-86-5	Pentachlorophenol	840	U	19000	840	ug/Kg
85-01-8	Phenanthrene	230	U	7400	230	ug/Kg
120-12-7	Anthracene	250	U	7400	250	ug/Kg
86-74-8	Carbazole	570	U	7400	570	ug/Kg
84-74-2	Di-n-butylphthalate	350	U	7400	350	ug/Kg
206-44-0	Fluoranthene	180	U	7400	180	ug/Kg
129-00-0	Pyrene	160	U	7400	160	ug/Kg
85-68-7	Butylbenzylphthalate	470	U	7400	470	ug/Kg
91-94-1	3,3-Dichlorobenzidine	560	U	7400	560	ug/Kg
56-55-3	Benzo(a)anthracene	180	U	7400	180	ug/Kg
218-01-9	Chrysene	140	U	7400	140	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	280	U	7400	280	ug/Kg
117-84-0	Di-n-octyl phthalate	260	U	7400	260	ug/Kg
205-99-2	Benzo(b)fluoranthene	530	U	7400	530	ug/Kg
207-08-9	Benzo(k)fluoranthene	340	U	7400	340	ug/Kg
50-32-8	Benzo(a)pyrene	220	U	7400	220	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**11**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038646.D	20	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	7400	190	ug/Kg
53-70-3	Dibenz(a,h)anthracene	550	U	7400	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	540	U	7400	540	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	124.2	83 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	132.2	88 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	95.2	95 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	94.2	94 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	104.4	70 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	82	82 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	172841	5.82			
1146-65-2	Naphthalene-d8	667584	8.15			
15067-26-2	Acenaphthene-d10	442745	11.59			
1517-22-2	Phenanthrene-d10	786879	14.52			
1719-03-5	Chrysene-d12	682177	19.80			
1520-96-3	Perylene-d12	629036	22.47			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**6**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038642.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	12	U	350	12	ug/Kg
108-95-2	Phenol	9.8	U	350	9.8	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4.6	U	350	4.6	ug/Kg
95-57-8	2-Chlorophenol	9.5	U	350	9.5	ug/Kg
95-48-7	2-Methylphenol	9.3	U	350	9.3	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	14	U	350	14	ug/Kg
98-86-2	Acetophenone	10	U	350	10	ug/Kg
106-44-5	3+4-Methylphenols	11	U	350	11	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	13	U	350	13	ug/Kg
67-72-1	Hexachloroethane	11	U	350	11	ug/Kg
98-95-3	Nitrobenzene	8.2	U	350	8.2	ug/Kg
78-59-1	Isophorone	12	U	350	12	ug/Kg
88-75-5	2-Nitrophenol	13	U	350	13	ug/Kg
105-67-9	2,4-Dimethylphenol	10	U	350	10	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	8.1	U	350	8.1	ug/Kg
120-83-2	2,4-Dichlorophenol	8.3	U	350	8.3	ug/Kg
91-20-3	Naphthalene	150	J	350	8.5	ug/Kg
106-47-8	4-Chloroaniline	23	U	350	23	ug/Kg
87-68-3	Hexachlorobutadiene	14	U	350	14	ug/Kg
105-60-2	Caprolactam	42	U	350	42	ug/Kg
59-50-7	4-Chloro-3-methylphenol	10	U	350	10	ug/Kg
91-57-6	2-Methylnaphthalene	160	J	350	9.9	ug/Kg
77-47-4	Hexachlorocyclopentadiene	18	U	350	18	ug/Kg
88-06-2	2,4,6-Trichlorophenol	8.2	U	350	8.2	ug/Kg
95-95-4	2,4,5-Trichlorophenol	10	U	880	10	ug/Kg
92-52-4	1,1-Biphenyl	44	J	350	10	ug/Kg
91-58-7	2-Chloronaphthalene	8.5	U	350	8.5	ug/Kg
88-74-4	2-Nitroaniline	16	U	880	16	ug/Kg
131-11-3	Dimethylphthalate	10	U	350	10	ug/Kg
208-96-8	Acenaphthylene	48	J	350	5.1	ug/Kg
606-20-2	2,6-Dinitrotoluene	13	U	350	13	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**6**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038642.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	23	U	880	23	ug/Kg
83-32-9	Acenaphthene	310	J	350	7.6	ug/Kg
51-28-5	2,4-Dinitrophenol	19	U	880	19	ug/Kg
100-02-7	4-Nitrophenol	21	U	880	21	ug/Kg
132-64-9	Dibenzofuran	190	J	350	11	ug/Kg
121-14-2	2,4-Dinitrotoluene	12	U	350	12	ug/Kg
84-66-2	Diethylphthalate	12	U	350	12	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	13	U	350	13	ug/Kg
86-73-7	Fluorene	310	J	350	9.5	ug/Kg
100-01-6	4-Nitroaniline	28	U	880	28	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	47	U	880	47	ug/Kg
86-30-6	N-Nitrosodiphenylamine	26	U	350	26	ug/Kg
101-55-3	4-Bromophenyl-phenylether	16	U	350	16	ug/Kg
118-74-1	Hexachlorobenzene	11	U	350	11	ug/Kg
1912-24-9	Atrazine	25	U	350	25	ug/Kg
87-86-5	Pentachlorophenol	40	U	880	40	ug/Kg
85-01-8	Phenanthrene	3900	E	350	11	ug/Kg
120-12-7	Anthracene	430		350	12	ug/Kg
86-74-8	Carbazole	310	J	350	27	ug/Kg
84-74-2	Di-n-butylphthalate	16	U	350	16	ug/Kg
206-44-0	Fluoranthene	4200	E	350	8.5	ug/Kg
129-00-0	Pyrene	3500	E	350	7.7	ug/Kg
85-68-7	Butylbenzylphthalate	22	U	350	22	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	350	26	ug/Kg
56-55-3	Benzo(a)anthracene	1500		350	8.5	ug/Kg
218-01-9	Chrysene	1800		350	6.5	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	130	J	350	13	ug/Kg
117-84-0	Di-n-octyl phthalate	12	U	350	12	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300	E	350	25	ug/Kg
207-08-9	Benzo(k)fluoranthene	600		350	16	ug/Kg
50-32-8	Benzo(a)pyrene	1500		350	10	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**6**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038642.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	640		350	8.9	ug/Kg
53-70-3	Dibenz(a,h)anthracene	220	J	350	26	ug/Kg
191-24-2	Benzo(g,h,i)perylene	730		350	25	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111.09	74 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	115.77	77 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	77.7	78 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	84.44	84 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	132.75	89 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	66.2	66 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	197157	5.82			
1146-65-2	Naphthalene-d8	761204	8.16			
15067-26-2	Acenaphthene-d10	465201	11.59			
1517-22-2	Phenanthrene-d10	827206	14.54			
1719-03-5	Chrysene-d12	849411	19.84			
1520-96-3	Perylene-d12	800026	22.51			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP3.11	240	A	3.11		ug/Kg
4453-90-1	1,4-Methanonaphthalene, 1,4-dihy	150	J	9.74		ug/Kg
575-37-1	Naphthalene, 1,7-dimethyl-	170	J	10.96		ug/Kg
486-25-9	9H-Fluoren-9-one	240	J	14.17		ug/Kg
132-65-0	Dibenzothiophene	280	J	14.32		ug/Kg
605-02-7	Naphthalene, 1-phenyl-	140	J	15.20		ug/Kg
610-48-0	Anthracene, 1-methyl-	440	J	15.57		ug/Kg
2531-84-2	Phenanthrene, 2-methyl-	460	J	15.61		ug/Kg
203-64-5	4H-Cyclopenta[def]phenanthrene	620	J	15.76		ug/Kg
	unknown15.81	360	J	15.81		ug/Kg
544-63-8	Tetradecanoic acid	150	J	15.97		ug/Kg
84-65-1	9,10-Anthracenedione	830	J	16.21		ug/Kg
781-92-0	Anthracene, 1,4-dimethyl-	360	J	16.69		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**6**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038642.D	1	5/30/2008	5/31/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TENTITIVE IDENTIFIED COMPOUNDS						
192-97-2	Benzo[e]pyrene	250	J	22.01		ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**6**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038699.D	5	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	59	UD	1800	59	ug/Kg
108-95-2	Phenol	49	UD	1800	49	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	23	UD	1800	23	ug/Kg
95-57-8	2-Chlorophenol	48	UD	1800	48	ug/Kg
95-48-7	2-Methylphenol	47	UD	1800	47	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72	UD	1800	72	ug/Kg
98-86-2	Acetophenone	52	UD	1800	52	ug/Kg
106-44-5	3+4-Methylphenols	53	UD	1800	53	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	64	UD	1800	64	ug/Kg
67-72-1	Hexachloroethane	57	UD	1800	57	ug/Kg
98-95-3	Nitrobenzene	41	UD	1800	41	ug/Kg
78-59-1	Isophorone	58	UD	1800	58	ug/Kg
88-75-5	2-Nitrophenol	64	UD	1800	64	ug/Kg
105-67-9	2,4-Dimethylphenol	52	UD	1800	52	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	40	UD	1800	40	ug/Kg
120-83-2	2,4-Dichlorophenol	42	UD	1800	42	ug/Kg
91-20-3	Naphthalene	180	JD	1800	42	ug/Kg
106-47-8	4-Chloroaniline	120	UD	1800	120	ug/Kg
87-68-3	Hexachlorobutadiene	71	UD	1800	71	ug/Kg
105-60-2	Caprolactam	210	UD	1800	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52	UD	1800	52	ug/Kg
91-57-6	2-Methylnaphthalene	190	JD	1800	50	ug/Kg
77-47-4	Hexachlorocyclopentadiene	90	UD	1800	90	ug/Kg
88-06-2	2,4,6-Trichlorophenol	41	UD	1800	41	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52	UD	4400	52	ug/Kg
92-52-4	1,1-Biphenyl	52	UD	1800	52	ug/Kg
91-58-7	2-Chloronaphthalene	43	UD	1800	43	ug/Kg
88-74-4	2-Nitroaniline	82	UD	4400	82	ug/Kg
131-11-3	Dimethylphthalate	51	UD	1800	51	ug/Kg
208-96-8	Acenaphthylene	26	UD	1800	26	ug/Kg
606-20-2	2,6-Dinitrotoluene	63	UD	1800	63	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**6**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038699.D	5	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	120	UD	4400	120	ug/Kg
83-32-9	Acenaphthene	410	JD	1800	38	ug/Kg
51-28-5	2,4-Dinitrophenol	94	UD	4400	94	ug/Kg
100-02-7	4-Nitrophenol	100	UD	4400	100	ug/Kg
132-64-9	Dibenzofuran	270	JD	1800	54	ug/Kg
121-14-2	2,4-Dinitrotoluene	58	UD	1800	58	ug/Kg
84-66-2	Diethylphthalate	60	UD	1800	60	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	67	UD	1800	67	ug/Kg
86-73-7	Fluorene	380	JD	1800	47	ug/Kg
100-01-6	4-Nitroaniline	140	UD	4400	140	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	240	UD	4400	240	ug/Kg
86-30-6	N-Nitrosodiphenylamine	130	UD	1800	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80	UD	1800	80	ug/Kg
118-74-1	Hexachlorobenzene	53	UD	1800	53	ug/Kg
1912-24-9	Atrazine	120	UD	1800	120	ug/Kg
87-86-5	Pentachlorophenol	200	UD	4400	200	ug/Kg
85-01-8	Phenanthrene	4700	D	1800	55	ug/Kg
120-12-7	Anthracene	580	JD	1800	59	ug/Kg
86-74-8	Carbazole	390	JD	1800	130	ug/Kg
84-74-2	Di-n-butylphthalate	82	UD	1800	82	ug/Kg
206-44-0	Fluoranthene	4700	D	1800	43	ug/Kg
129-00-0	Pyrene	4800	D	1800	38	ug/Kg
85-68-7	Butylbenzylphthalate	110	UD	1800	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	UD	1800	130	ug/Kg
56-55-3	Benzo(a)anthracene	1900	D	1800	42	ug/Kg
218-01-9	Chrysene	2300	D	1800	33	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	180	JD	1800	67	ug/Kg
117-84-0	Di-n-octyl phthalate	62	UD	1800	62	ug/Kg
205-99-2	Benzo(b)fluoranthene	2700	D	1800	130	ug/Kg
207-08-9	Benzo(k)fluoranthene	840	JD	1800	81	ug/Kg
50-32-8	Benzo(a)pyrene	1900	D	1800	52	ug/Kg

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)DL**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07DL**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**6**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038699.D	5	5/30/2008	6/3/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	940	JD	1800	44	ug/Kg
53-70-3	Dibenz(a,h)anthracene	130	UD	1800	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000	JD	1800	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	141.25	94 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	147.85	99 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	102.85	103 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	99.7	100 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	146.05	97 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	89.5	90 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	139855	5.79			
1146-65-2	Naphthalene-d8	561645	8.13			
15067-26-2	Acenaphthene-d10	361206	11.57			
1517-22-2	Phenanthrene-d10	682378	14.50			
1719-03-5	Chrysene-d12	584586	19.81			
1520-96-3	Perylene-d12	566865	22.49			

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-08**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**16**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038622.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	13	U	390	13	ug/Kg
108-95-2	Phenol	11	U	390	11	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5.1	U	390	5.1	ug/Kg
95-57-8	2-Chlorophenol	11	U	390	11	ug/Kg
95-48-7	2-Methylphenol	10	U	390	10	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	16	U	390	16	ug/Kg
98-86-2	Acetophenone	12	U	390	12	ug/Kg
106-44-5	3+4-Methylphenols	12	U	390	12	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	14	U	390	14	ug/Kg
67-72-1	Hexachloroethane	13	U	390	13	ug/Kg
98-95-3	Nitrobenzene	9.2	U	390	9.2	ug/Kg
78-59-1	Isophorone	13	U	390	13	ug/Kg
88-75-5	2-Nitrophenol	14	U	390	14	ug/Kg
105-67-9	2,4-Dimethylphenol	12	U	390	12	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	9.0	U	390	9.0	ug/Kg
120-83-2	2,4-Dichlorophenol	9.3	U	390	9.3	ug/Kg
91-20-3	Naphthalene	9.5	U	390	9.5	ug/Kg
106-47-8	4-Chloroaniline	26	U	390	26	ug/Kg
87-68-3	Hexachlorobutadiene	16	U	390	16	ug/Kg
105-60-2	Caprolactam	47	U	390	47	ug/Kg
59-50-7	4-Chloro-3-methylphenol	12	U	390	12	ug/Kg
91-57-6	2-Methylnaphthalene	11	U	390	11	ug/Kg
77-47-4	Hexachlorocyclopentadiene	20	U	390	20	ug/Kg
88-06-2	2,4,6-Trichlorophenol	9.1	U	390	9.1	ug/Kg
95-95-4	2,4,5-Trichlorophenol	12	U	990	12	ug/Kg
92-52-4	1,1-Biphenyl	12	U	390	12	ug/Kg
91-58-7	2-Chloronaphthalene	9.5	U	390	9.5	ug/Kg
88-74-4	2-Nitroaniline	18	U	990	18	ug/Kg
131-11-3	Dimethylphthalate	11	U	390	11	ug/Kg
208-96-8	Acenaphthylene	5.7	U	390	5.7	ug/Kg
606-20-2	2,6-Dinitrotoluene	14	U	390	14	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-08**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**16**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038622.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	26	U	990	26	ug/Kg
83-32-9	Acenaphthene	8.5	U	390	8.5	ug/Kg
51-28-5	2,4-Dinitrophenol	21	U	990	21	ug/Kg
100-02-7	4-Nitrophenol	23	U	990	23	ug/Kg
132-64-9	Dibenzofuran	12	U	390	12	ug/Kg
121-14-2	2,4-Dinitrotoluene	13	U	390	13	ug/Kg
84-66-2	Diethylphthalate	13	U	390	13	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	15	U	390	15	ug/Kg
86-73-7	Fluorene	11	U	390	11	ug/Kg
100-01-6	4-Nitroaniline	31	U	990	31	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	53	U	990	53	ug/Kg
86-30-6	N-Nitrosodiphenylamine	30	U	390	30	ug/Kg
101-55-3	4-Bromophenyl-phenylether	18	U	390	18	ug/Kg
118-74-1	Hexachlorobenzene	12	U	390	12	ug/Kg
1912-24-9	Atrazine	28	U	390	28	ug/Kg
87-86-5	Pentachlorophenol	45	U	990	45	ug/Kg
85-01-8	Phenanthrene	12	U	390	12	ug/Kg
120-12-7	Anthracene	13	U	390	13	ug/Kg
86-74-8	Carbazole	30	U	390	30	ug/Kg
84-74-2	Di-n-butylphthalate	18	U	390	18	ug/Kg
206-44-0	Fluoranthene	9.5	U	390	9.5	ug/Kg
129-00-0	Pyrene	8.6	U	390	8.6	ug/Kg
85-68-7	Butylbenzylphthalate	25	U	390	25	ug/Kg
91-94-1	3,3-Dichlorobenzidine	30	U	390	30	ug/Kg
56-55-3	Benzo(a)anthracene	9.5	U	390	9.5	ug/Kg
218-01-9	Chrysene	7.3	U	390	7.3	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	15	U	390	15	ug/Kg
117-84-0	Di-n-octyl phthalate	14	U	390	14	ug/Kg
205-99-2	Benzo(b)fluoranthene	28	U	390	28	ug/Kg
207-08-9	Benzo(k)fluoranthene	18	U	390	18	ug/Kg
50-32-8	Benzo(a)pyrene	12	U	390	12	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-08**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**16**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038622.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	9.9	U	390	9.9	ug/Kg
53-70-3	Dibenz(a,h)anthracene	29	U	390	29	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28	U	390	28	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126.07	84 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	125.16	83 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	79.79	80 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	70.37	70 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	126.76	85 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	76.78	77 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	175983	5.82			
1146-65-2	Naphthalene-d8	676947	8.15			
15067-26-2	Acenaphthene-d10	482870	11.59			
1517-22-2	Phenanthrene-d10	778944	14.53			
1719-03-5	Chrysene-d12	830637	19.82			
1520-96-3	Perylene-d12	822476	22.48			
TENTITIVE IDENTIFIED COMPOUNDS						
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	J	3.12		ug/Kg
57-10-3	n-Hexadecanoic acid	120	J	15.95		ug/Kg
7683-64-9	Squalene	150	J	21.79		ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**10**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038623.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	12	U	370	12	ug/Kg
108-95-2	Phenol	10	U	370	10	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4.8	U	370	4.8	ug/Kg
95-57-8	2-Chlorophenol	10	U	370	10	ug/Kg
95-48-7	2-Methylphenol	9.8	U	370	9.8	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	15	U	370	15	ug/Kg
98-86-2	Acetophenone	11	U	370	11	ug/Kg
106-44-5	3+4-Methylphenols	11	U	370	11	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	13	U	370	13	ug/Kg
67-72-1	Hexachloroethane	12	U	370	12	ug/Kg
98-95-3	Nitrobenzene	8.6	U	370	8.6	ug/Kg
78-59-1	Isophorone	12	U	370	12	ug/Kg
88-75-5	2-Nitrophenol	13	U	370	13	ug/Kg
105-67-9	2,4-Dimethylphenol	11	U	370	11	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	8.4	U	370	8.4	ug/Kg
120-83-2	2,4-Dichlorophenol	8.7	U	370	8.7	ug/Kg
91-20-3	Naphthalene	8.9	U	370	8.9	ug/Kg
106-47-8	4-Chloroaniline	24	U	370	24	ug/Kg
87-68-3	Hexachlorobutadiene	15	U	370	15	ug/Kg
105-60-2	Caprolactam	44	U	370	44	ug/Kg
59-50-7	4-Chloro-3-methylphenol	11	U	370	11	ug/Kg
91-57-6	2-Methylnaphthalene	10	U	370	10	ug/Kg
77-47-4	Hexachlorocyclopentadiene	19	U	370	19	ug/Kg
88-06-2	2,4,6-Trichlorophenol	8.5	U	370	8.5	ug/Kg
95-95-4	2,4,5-Trichlorophenol	11	U	920	11	ug/Kg
92-52-4	1,1-Biphenyl	11	U	370	11	ug/Kg
91-58-7	2-Chloronaphthalene	8.9	U	370	8.9	ug/Kg
88-74-4	2-Nitroaniline	17	U	920	17	ug/Kg
131-11-3	Dimethylphthalate	11	U	370	11	ug/Kg
208-96-8	Acenaphthylene	5.4	U	370	5.4	ug/Kg
606-20-2	2,6-Dinitrotoluene	13	U	370	13	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**10**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038623.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	24	U	920	24	ug/Kg
83-32-9	Acenaphthene	7.9	U	370	7.9	ug/Kg
51-28-5	2,4-Dinitrophenol	20	U	920	20	ug/Kg
100-02-7	4-Nitrophenol	22	U	920	22	ug/Kg
132-64-9	Dibenzofuran	11	U	370	11	ug/Kg
121-14-2	2,4-Dinitrotoluene	12	U	370	12	ug/Kg
84-66-2	Diethylphthalate	13	U	370	13	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	14	U	370	14	ug/Kg
86-73-7	Fluorene	9.9	U	370	9.9	ug/Kg
100-01-6	4-Nitroaniline	29	U	920	29	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	50	U	920	50	ug/Kg
86-30-6	N-Nitrosodiphenylamine	28	U	370	28	ug/Kg
101-55-3	4-Bromophenyl-phenylether	17	U	370	17	ug/Kg
118-74-1	Hexachlorobenzene	11	U	370	11	ug/Kg
1912-24-9	Atrazine	26	U	370	26	ug/Kg
87-86-5	Pentachlorophenol	42	U	920	42	ug/Kg
85-01-8	Phenanthrene	11	U	370	11	ug/Kg
120-12-7	Anthracene	12	U	370	12	ug/Kg
86-74-8	Carbazole	28	U	370	28	ug/Kg
84-74-2	Di-n-butylphthalate	17	U	370	17	ug/Kg
206-44-0	Fluoranthene	8.9	U	370	8.9	ug/Kg
129-00-0	Pyrene	8.0	U	370	8.0	ug/Kg
85-68-7	Butylbenzylphthalate	23	U	370	23	ug/Kg
91-94-1	3,3-Dichlorobenzidine	28	U	370	28	ug/Kg
56-55-3	Benzo(a)anthracene	8.8	U	370	8.8	ug/Kg
218-01-9	Chrysene	6.8	U	370	6.8	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	14	U	370	14	ug/Kg
117-84-0	Di-n-octyl phthalate	13	U	370	13	ug/Kg
205-99-2	Benzo(b)fluoranthene	26	U	370	26	ug/Kg
207-08-9	Benzo(k)fluoranthene	17	U	370	17	ug/Kg
50-32-8	Benzo(a)pyrene	11	U	370	11	ug/Kg

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**10**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038623.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	9.3	U	370	9.3	ug/Kg
53-70-3	Dibenz(a,h)anthracene	27	U	370	27	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27	U	370	27	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	109.06	73 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	113.09	75 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	77.68	78 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	82.63	83 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	131.56	88 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	81.57	82 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	182599	5.83			
1146-65-2	Naphthalene-d8	696533	8.16			
15067-26-2	Acenaphthene-d10	459218	11.59			
1517-22-2	Phenanthrene-d10	880553	14.53			
1719-03-5	Chrysene-d12	840444	19.81			
1520-96-3	Perylene-d12	822109	22.48			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP3.13	280	A	3.13		ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW1**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-10**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**940.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020700.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	0.290	U	11	0.290	ug/L
108-95-2	Phenol	0.590	U	11	0.590	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.300	U	11	0.300	ug/L
95-57-8	2-Chlorophenol	0.350	U	11	0.350	ug/L
95-48-7	2-Methylphenol	0.380	U	11	0.380	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	0.290	U	11	0.290	ug/L
98-86-2	Acetophenone	0.390	U	11	0.390	ug/L
106-44-5	3+4-Methylphenols	0.410	U	11	0.410	ug/L
621-64-7	N-Nitroso-di-n-propylamine	0.360	U	11	0.360	ug/L
67-72-1	Hexachloroethane	0.240	U	11	0.240	ug/L
98-95-3	Nitrobenzene	0.350	U	11	0.350	ug/L
78-59-1	Isophorone	0.280	U	11	0.280	ug/L
88-75-5	2-Nitrophenol	0.300	U	11	0.300	ug/L
105-67-9	2,4-Dimethylphenol	0.810	U	11	0.810	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.350	U	11	0.350	ug/L
120-83-2	2,4-Dichlorophenol	0.360	U	11	0.360	ug/L
91-20-3	Naphthalene	0.300	U	11	0.300	ug/L
106-47-8	4-Chloroaniline	0.980	U	11	0.980	ug/L
87-68-3	Hexachlorobutadiene	0.410	U	11	0.410	ug/L
105-60-2	Caprolactam	1.6	U	11	1.6	ug/L
59-50-7	4-Chloro-3-methylphenol	0.230	U	11	0.230	ug/L
91-57-6	2-Methylnaphthalene	0.390	U	11	0.390	ug/L
77-47-4	Hexachlorocyclopentadiene	0.600	U	11	0.600	ug/L
88-06-2	2,4,6-Trichlorophenol	0.370	U	11	0.370	ug/L
95-95-4	2,4,5-Trichlorophenol	0.400	U	11	0.400	ug/L
92-52-4	1,1-Biphenyl	0.340	U	11	0.340	ug/L
91-58-7	2-Chloronaphthalene	0.240	U	11	0.240	ug/L
88-74-4	2-Nitroaniline	0.270	U	11	0.270	ug/L
131-11-3	Dimethylphthalate	0.290	U	11	0.290	ug/L
208-96-8	Acenaphthylene	0.370	U	11	0.370	ug/L
606-20-2	2,6-Dinitrotoluene	0.370	U	11	0.370	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW1**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-10**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**940.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020700.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	0.370	U	11	0.370	ug/L
83-32-9	Acenaphthene	0.340	U	11	0.340	ug/L
51-28-5	2,4-Dinitrophenol	0.680	U	11	0.680	ug/L
100-02-7	4-Nitrophenol	1.8	U	11	1.8	ug/L
132-64-9	Dibenzofuran	0.330	U	11	0.330	ug/L
121-14-2	2,4-Dinitrotoluene	0.360	U	11	0.360	ug/L
84-66-2	Diethylphthalate	0.340	U	11	0.340	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.310	U	11	0.310	ug/L
86-73-7	Fluorene	0.300	U	11	0.300	ug/L
100-01-6	4-Nitroaniline	0.380	U	11	0.380	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.310	U	11	0.310	ug/L
86-30-6	N-Nitrosodiphenylamine	0.370	U	11	0.370	ug/L
101-55-3	4-Bromophenyl-phenylether	1.5	U	11	1.5	ug/L
118-74-1	Hexachlorobenzene	0.290	U	11	0.290	ug/L
1912-24-9	Atrazine	0.390	U	11	0.390	ug/L
87-86-5	Pentachlorophenol	0.550	U	11	0.550	ug/L
85-01-8	Phenanthrene	1.4	U	11	1.4	ug/L
120-12-7	Anthracene	1.5	U	11	1.5	ug/L
86-74-8	Carbazole	0.260	U	11	0.260	ug/L
84-74-2	Di-n-butylphthalate	6.2	U	11	6.2	ug/L
206-44-0	Fluoranthene	0.210	U	11	0.210	ug/L
129-00-0	Pyrene	1.5	U	11	1.5	ug/L
85-68-7	Butylbenzylphthalate	0.450	U	11	0.450	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	11	1.1	ug/L
56-55-3	Benzo(a)anthracene	1.4	U	11	1.4	ug/L
218-01-9	Chrysene	0.280	U	11	0.280	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.4	U	11	1.4	ug/L
117-84-0	Di-n-octyl phthalate	0.280	U	11	0.280	ug/L
205-99-2	Benzo(b)fluoranthene	0.460	U	11	0.460	ug/L
207-08-9	Benzo(k)fluoranthene	0.320	U	11	0.320	ug/L
50-32-8	Benzo(a)pyrene	0.230	U	11	0.230	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW1**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-10**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**940.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020700.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	0.700	U	11	0.700	ug/L
53-70-3	Dibenz(a,h)anthracene	0.570	U	11	0.570	ug/L
191-24-2	Benzo(g,h,i)perylene	0.410	U	11	0.410	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	57.67	38 %	30 - 78		SPK: 15
13127-88-3	Phenol-d5	37.75	25 %	30 - 77		SPK: 15
4165-60-0	Nitrobenzene-d5	73.9	74 %	30 - 120		SPK: 10
321-60-8	2-Fluorobiphenyl	79.48	79 %	35 - 111		SPK: 10
118-79-6	2,4,6-Tribromophenol	115.77	77 %	27 - 118		SPK: 15
1718-51-0	Terphenyl-d14	100.49	100 %	26 - 135		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	18361	4.55			
1146-65-2	Naphthalene-d8	82697	5.73			
15067-26-2	Acenaphthene-d10	46309	7.45			
1517-22-2	Phenanthrene-d10	79803	8.92			
1719-03-5	Chrysene-d12	83579	11.54			
1520-96-3	Perylene-d12	74351	13.43			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP3.16	11	AB	3.16		ug/L
	unknown5.35	4.3	J	5.35		ug/L
1526-17-6	2-Fluoro-6-nitrophenol	3.4	J	5.45		ug/L
403-19-0	2-Fluoro-4-nitrophenol	2.2	J	6.47		ug/L
	unknown6.55	2.1	J	6.55		ug/L
	unknown15.20	29	J	15.20		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW2**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-11**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**830.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020701.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	0.330	U	12	0.330	ug/L
108-95-2	Phenol	0.660	U	12	0.660	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.340	U	12	0.340	ug/L
95-57-8	2-Chlorophenol	0.400	U	12	0.400	ug/L
95-48-7	2-Methylphenol	0.430	U	12	0.430	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	0.330	U	12	0.330	ug/L
98-86-2	Acetophenone	0.450	U	12	0.450	ug/L
106-44-5	3+4-Methylphenols	0.470	U	12	0.470	ug/L
621-64-7	N-Nitroso-di-n-propylamine	0.410	U	12	0.410	ug/L
67-72-1	Hexachloroethane	0.280	U	12	0.280	ug/L
98-95-3	Nitrobenzene	0.400	U	12	0.400	ug/L
78-59-1	Isophorone	0.310	U	12	0.310	ug/L
88-75-5	2-Nitrophenol	0.340	U	12	0.340	ug/L
105-67-9	2,4-Dimethylphenol	0.920	U	12	0.920	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.400	U	12	0.400	ug/L
120-83-2	2,4-Dichlorophenol	0.410	U	12	0.410	ug/L
91-20-3	Naphthalene	0.340	U	12	0.340	ug/L
106-47-8	4-Chloroaniline	1.3	J	12	1.1	ug/L
87-68-3	Hexachlorobutadiene	0.470	U	12	0.470	ug/L
105-60-2	Caprolactam	1.8	U	12	1.8	ug/L
59-50-7	4-Chloro-3-methylphenol	0.270	U	12	0.270	ug/L
91-57-6	2-Methylnaphthalene	0.450	U	12	0.450	ug/L
77-47-4	Hexachlorocyclopentadiene	0.670	U	12	0.670	ug/L
88-06-2	2,4,6-Trichlorophenol	0.420	U	12	0.420	ug/L
95-95-4	2,4,5-Trichlorophenol	0.460	U	12	0.460	ug/L
92-52-4	1,1-Biphenyl	0.390	U	12	0.390	ug/L
91-58-7	2-Chloronaphthalene	0.280	U	12	0.280	ug/L
88-74-4	2-Nitroaniline	0.300	U	12	0.300	ug/L
131-11-3	Dimethylphthalate	0.330	U	12	0.330	ug/L
208-96-8	Acenaphthylene	0.420	U	12	0.420	ug/L
606-20-2	2,6-Dinitrotoluene	0.420	U	12	0.420	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW2**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-11**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**830.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020701.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	0.420	U	12	0.420	ug/L
83-32-9	Acenaphthene	0.390	U	12	0.390	ug/L
51-28-5	2,4-Dinitrophenol	0.770	U	12	0.770	ug/L
100-02-7	4-Nitrophenol	2.1	U	12	2.1	ug/L
132-64-9	Dibenzofuran	0.370	U	12	0.370	ug/L
121-14-2	2,4-Dinitrotoluene	0.410	U	12	0.410	ug/L
84-66-2	Diethylphthalate	0.390	U	12	0.390	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.350	U	12	0.350	ug/L
86-73-7	Fluorene	0.340	U	12	0.340	ug/L
100-01-6	4-Nitroaniline	0.430	U	12	0.430	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.350	U	12	0.350	ug/L
86-30-6	N-Nitrosodiphenylamine	0.420	U	12	0.420	ug/L
101-55-3	4-Bromophenyl-phenylether	1.7	U	12	1.7	ug/L
118-74-1	Hexachlorobenzene	0.330	U	12	0.330	ug/L
1912-24-9	Atrazine	0.450	U	12	0.450	ug/L
87-86-5	Pentachlorophenol	0.630	U	12	0.630	ug/L
85-01-8	Phenanthrene	1.6	U	12	1.6	ug/L
120-12-7	Anthracene	1.7	U	12	1.7	ug/L
86-74-8	Carbazole	0.290	U	12	0.290	ug/L
84-74-2	Di-n-butylphthalate	7.1	U	12	7.1	ug/L
206-44-0	Fluoranthene	0.240	U	12	0.240	ug/L
129-00-0	Pyrene	1.7	U	12	1.7	ug/L
85-68-7	Butylbenzylphthalate	0.510	U	12	0.510	ug/L
91-94-1	3,3-Dichlorobenzidine	1.9	J	12	1.3	ug/L
56-55-3	Benzo(a)anthracene	1.6	U	12	1.6	ug/L
218-01-9	Chrysene	0.310	U	12	0.310	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.6	U	12	1.6	ug/L
117-84-0	Di-n-octyl phthalate	0.310	U	12	0.310	ug/L
205-99-2	Benzo(b)fluoranthene	0.520	U	12	0.520	ug/L
207-08-9	Benzo(k)fluoranthene	0.360	U	12	0.360	ug/L
50-32-8	Benzo(a)pyrene	0.270	U	12	0.270	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW2**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-11**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**830.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020701.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	0.800	U	12	0.800	ug/L
53-70-3	Dibenz(a,h)anthracene	0.650	U	12	0.650	ug/L
191-24-2	Benzo(g,h,i)perylene	0.470	U	12	0.470	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	52.37	35 %	30 - 78		SPK: 15
13127-88-3	Phenol-d5	34.24	23 %	30 - 77		SPK: 15
4165-60-0	Nitrobenzene-d5	66.41	66 %	30 - 120		SPK: 10
321-60-8	2-Fluorobiphenyl	73.63	74 %	35 - 111		SPK: 10
118-79-6	2,4,6-Tribromophenol	107.49	72 %	27 - 118		SPK: 15
1718-51-0	Terphenyl-d14	95.97	96 %	26 - 135		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	15512	4.55			
1146-65-2	Naphthalene-d8	69396	5.73			
15067-26-2	Acenaphthene-d10	37648	7.45			
1517-22-2	Phenanthrene-d10	65442	8.92			
1719-03-5	Chrysene-d12	71833	11.54			
1520-96-3	Perylene-d12	67985	13.43			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP3.16	12	AB	3.16		ug/L
	unknown3.82	2.7	J	3.82		ug/L
	unknown5.35	6.2	J	5.35		ug/L
1526-17-6	2-Fluoro-6-nitrophenol	4.4	J	5.45		ug/L
1000125-98-6	Phenol, 2-fluoro-4-nitro-, acetate	2.8	J	6.47		ug/L
	unknown6.55	2.4	J	6.55		ug/L
	unknown7.53	2.6	J	7.53		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW3**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-12**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**830.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB044581.D	1	5/29/2008	6/2/2008	BA053008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	0.330	U	12	0.330	ug/L
108-95-2	Phenol	0.660	U	12	0.660	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.340	U	12	0.340	ug/L
95-57-8	2-Chlorophenol	0.400	U	12	0.400	ug/L
95-48-7	2-Methylphenol	0.430	U	12	0.430	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	0.330	U	12	0.330	ug/L
98-86-2	Acetophenone	0.450	U	12	0.450	ug/L
106-44-5	3+4-Methylphenols	0.470	U	12	0.470	ug/L
621-64-7	N-Nitroso-di-n-propylamine	0.410	U	12	0.410	ug/L
67-72-1	Hexachloroethane	0.280	U	12	0.280	ug/L
98-95-3	Nitrobenzene	0.400	U	12	0.400	ug/L
78-59-1	Isophorone	0.310	U	12	0.310	ug/L
88-75-5	2-Nitrophenol	0.340	U	12	0.340	ug/L
105-67-9	2,4-Dimethylphenol	0.920	U	12	0.920	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.400	U	12	0.400	ug/L
120-83-2	2,4-Dichlorophenol	0.410	U	12	0.410	ug/L
91-20-3	Naphthalene	0.340	U	12	0.340	ug/L
106-47-8	4-Chloroaniline	1.1	U	12	1.1	ug/L
87-68-3	Hexachlorobutadiene	0.470	U	12	0.470	ug/L
105-60-2	Caprolactam	1.8	U	12	1.8	ug/L
59-50-7	4-Chloro-3-methylphenol	0.270	U	12	0.270	ug/L
91-57-6	2-Methylnaphthalene	0.450	U	12	0.450	ug/L
77-47-4	Hexachlorocyclopentadiene	0.670	U	12	0.670	ug/L
88-06-2	2,4,6-Trichlorophenol	0.420	U	12	0.420	ug/L
95-95-4	2,4,5-Trichlorophenol	0.460	U	12	0.460	ug/L
92-52-4	1,1-Biphenyl	0.390	U	12	0.390	ug/L
91-58-7	2-Chloronaphthalene	0.280	U	12	0.280	ug/L
88-74-4	2-Nitroaniline	0.300	U	12	0.300	ug/L
131-11-3	Dimethylphthalate	0.330	U	12	0.330	ug/L
208-96-8	Acenaphthylene	0.420	U	12	0.420	ug/L
606-20-2	2,6-Dinitrotoluene	0.420	U	12	0.420	ug/L

U = Not Detected
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E = Value Exceeds Calibration Range
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW3**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-12**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**830.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB044581.D	1	5/29/2008	6/2/2008	BA053008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	0.420	U	12	0.420	ug/L
83-32-9	Acenaphthene	0.390	U	12	0.390	ug/L
51-28-5	2,4-Dinitrophenol	0.770	U	12	0.770	ug/L
100-02-7	4-Nitrophenol	2.1	U	12	2.1	ug/L
132-64-9	Dibenzofuran	0.370	U	12	0.370	ug/L
121-14-2	2,4-Dinitrotoluene	0.410	U	12	0.410	ug/L
84-66-2	Diethylphthalate	0.390	U	12	0.390	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.350	U	12	0.350	ug/L
86-73-7	Fluorene	0.340	U	12	0.340	ug/L
100-01-6	4-Nitroaniline	0.430	U	12	0.430	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.350	U	12	0.350	ug/L
86-30-6	N-Nitrosodiphenylamine	0.420	U	12	0.420	ug/L
101-55-3	4-Bromophenyl-phenylether	1.7	U	12	1.7	ug/L
118-74-1	Hexachlorobenzene	0.330	U	12	0.330	ug/L
1912-24-9	Atrazine	0.450	U	12	0.450	ug/L
87-86-5	Pentachlorophenol	0.630	U	12	0.630	ug/L
85-01-8	Phenanthrene	1.6	U	12	1.6	ug/L
120-12-7	Anthracene	1.7	U	12	1.7	ug/L
86-74-8	Carbazole	0.290	U	12	0.290	ug/L
84-74-2	Di-n-butylphthalate	7.1	U	12	7.1	ug/L
206-44-0	Fluoranthene	0.240	U	12	0.240	ug/L
129-00-0	Pyrene	1.7	U	12	1.7	ug/L
85-68-7	Butylbenzylphthalate	0.510	U	12	0.510	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	12	1.3	ug/L
56-55-3	Benzo(a)anthracene	1.6	U	12	1.6	ug/L
218-01-9	Chrysene	0.310	U	12	0.310	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.6	U	12	1.6	ug/L
117-84-0	Di-n-octyl phthalate	0.310	U	12	0.310	ug/L
205-99-2	Benzo(b)fluoranthene	0.520	U	12	0.520	ug/L
207-08-9	Benzo(k)fluoranthene	0.360	U	12	0.360	ug/L
50-32-8	Benzo(a)pyrene	0.270	U	12	0.270	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW3**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-12**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**830.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BB044581.D	1	5/29/2008	6/2/2008	BA053008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	0.800	U	12	0.800	ug/L
53-70-3	Dibenz(a,h)anthracene	0.650	U	12	0.650	ug/L
191-24-2	Benzo(g,h,i)perylene	0.470	U	12	0.470	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	47.47	32 %	30 - 78		SPK: 15
13127-88-3	Phenol-d5	35.24	23 %	30 - 77		SPK: 15
4165-60-0	Nitrobenzene-d5	68.47	68 %	30 - 120		SPK: 10
321-60-8	2-Fluorobiphenyl	68.71	69 %	35 - 111		SPK: 10
118-79-6	2,4,6-Tribromophenol	114.43	76 %	27 - 118		SPK: 15
1718-51-0	Terphenyl-d14	87.22	87 %	26 - 135		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	229204	7.16			
1146-65-2	Naphthalene-d8	842317	10.32			
15067-26-2	Acenaphthene-d10	507481	15.14			
1517-22-2	Phenanthrene-d10	773093	19.32			
1719-03-5	Chrysene-d12	847985	26.85			
1520-96-3	Perylene-d12	841346	30.64			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP4.0	6.0	A	4.00		ug/L
	unknown5.43	2.7	J	5.43		ug/L
	unknown35.92	5.8	J	35.92		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW4**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-13**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**930.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020702.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	0.290	U	11	0.290	ug/L
108-95-2	Phenol	0.590	U	11	0.590	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.300	U	11	0.300	ug/L
95-57-8	2-Chlorophenol	0.350	U	11	0.350	ug/L
95-48-7	2-Methylphenol	0.390	U	11	0.390	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	0.290	U	11	0.290	ug/L
98-86-2	Acetophenone	0.400	U	11	0.400	ug/L
106-44-5	3+4-Methylphenols	0.420	U	11	0.420	ug/L
621-64-7	N-Nitroso-di-n-propylamine	0.370	U	11	0.370	ug/L
67-72-1	Hexachloroethane	0.250	U	11	0.250	ug/L
98-95-3	Nitrobenzene	0.350	U	11	0.350	ug/L
78-59-1	Isophorone	0.280	U	11	0.280	ug/L
88-75-5	2-Nitrophenol	0.300	U	11	0.300	ug/L
105-67-9	2,4-Dimethylphenol	0.820	U	11	0.820	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.350	U	11	0.350	ug/L
120-83-2	2,4-Dichlorophenol	0.370	U	11	0.370	ug/L
91-20-3	Naphthalene	0.300	U	11	0.300	ug/L
106-47-8	4-Chloroaniline	0.990	U	11	0.990	ug/L
87-68-3	Hexachlorobutadiene	0.420	U	11	0.420	ug/L
105-60-2	Caprolactam	1.6	U	11	1.6	ug/L
59-50-7	4-Chloro-3-methylphenol	0.240	U	11	0.240	ug/L
91-57-6	2-Methylnaphthalene	0.400	U	11	0.400	ug/L
77-47-4	Hexachlorocyclopentadiene	0.600	U	11	0.600	ug/L
88-06-2	2,4,6-Trichlorophenol	0.380	U	11	0.380	ug/L
95-95-4	2,4,5-Trichlorophenol	0.410	U	11	0.410	ug/L
92-52-4	1,1-Biphenyl	0.340	U	11	0.340	ug/L
91-58-7	2-Chloronaphthalene	0.250	U	11	0.250	ug/L
88-74-4	2-Nitroaniline	0.270	U	11	0.270	ug/L
131-11-3	Dimethylphthalate	0.290	U	11	0.290	ug/L
208-96-8	Acenaphthylene	0.380	U	11	0.380	ug/L
606-20-2	2,6-Dinitrotoluene	0.380	U	11	0.380	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW4**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-13**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**930.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020702.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	0.380	U	11	0.380	ug/L
83-32-9	Acenaphthene	0.340	U	11	0.340	ug/L
51-28-5	2,4-Dinitrophenol	0.690	U	11	0.690	ug/L
100-02-7	4-Nitrophenol	1.9	U	11	1.9	ug/L
132-64-9	Dibenzofuran	0.330	U	11	0.330	ug/L
121-14-2	2,4-Dinitrotoluene	0.370	U	11	0.370	ug/L
84-66-2	Diethylphthalate	0.340	U	11	0.340	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.310	U	11	0.310	ug/L
86-73-7	Fluorene	0.300	U	11	0.300	ug/L
100-01-6	4-Nitroaniline	0.390	U	11	0.390	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.310	U	11	0.310	ug/L
86-30-6	N-Nitrosodiphenylamine	0.380	U	11	0.380	ug/L
101-55-3	4-Bromophenyl-phenylether	1.5	U	11	1.5	ug/L
118-74-1	Hexachlorobenzene	0.290	U	11	0.290	ug/L
1912-24-9	Atrazine	0.400	U	11	0.400	ug/L
87-86-5	Pentachlorophenol	0.560	U	11	0.560	ug/L
85-01-8	Phenanthrene	1.5	U	11	1.5	ug/L
120-12-7	Anthracene	1.5	U	11	1.5	ug/L
86-74-8	Carbazole	0.260	U	11	0.260	ug/L
84-74-2	Di-n-butylphthalate	6.3	U	11	6.3	ug/L
206-44-0	Fluoranthene	0.220	U	11	0.220	ug/L
129-00-0	Pyrene	1.5	U	11	1.5	ug/L
85-68-7	Butylbenzylphthalate	0.450	U	11	0.450	ug/L
91-94-1	3,3-Dichlorobenzidine	1.2	U	11	1.2	ug/L
56-55-3	Benzo(a)anthracene	1.4	U	11	1.4	ug/L
218-01-9	Chrysene	0.280	U	11	0.280	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.4	U	11	1.4	ug/L
117-84-0	Di-n-octyl phthalate	0.280	U	11	0.280	ug/L
205-99-2	Benzo(b)fluoranthene	0.460	U	11	0.460	ug/L
207-08-9	Benzo(k)fluoranthene	0.320	U	11	0.320	ug/L
50-32-8	Benzo(a)pyrene	0.240	U	11	0.240	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW4**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-13**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**930.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020702.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	0.710	U	11	0.710	ug/L
53-70-3	Dibenz(a,h)anthracene	0.580	U	11	0.580	ug/L
191-24-2	Benzo(g,h,i)perylene	0.420	U	11	0.420	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	44.4	30 %	30 - 78		SPK: 15
13127-88-3	Phenol-d5	27.69	18 %	30 - 77		SPK: 15
4165-60-0	Nitrobenzene-d5	71.19	71 %	30 - 120		SPK: 10
321-60-8	2-Fluorobiphenyl	76.27	76 %	35 - 111		SPK: 10
118-79-6	2,4,6-Tribromophenol	109.54	73 %	27 - 118		SPK: 15
1718-51-0	Terphenyl-d14	95.77	96 %	26 - 135		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	20590	4.55			
1146-65-2	Naphthalene-d8	93930	5.73			
15067-26-2	Acenaphthene-d10	53349	7.45			
1517-22-2	Phenanthrene-d10	93063	8.92			
1719-03-5	Chrysene-d12	93189	11.54			
1520-96-3	Perylene-d12	83734	13.43			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP3.16	10	AB	3.16		ug/L
	unknown3.82	10	J	3.82		ug/L
	unknown5.35	5.4	J	5.35		ug/L
1526-17-6	2-Fluoro-6-nitrophenol	3.9	J	5.45		ug/L
	unknown5.63	2.2	J	5.63		ug/L
403-19-0	2-Fluoro-4-nitrophenol	2.7	J	6.47		ug/L
	unknown6.55	2.3	J	6.55		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-14**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**950.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020703.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	0.280	U	11	0.280	ug/L
108-95-2	Phenol	0.580	U	11	0.580	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.290	U	11	0.290	ug/L
95-57-8	2-Chlorophenol	0.350	U	11	0.350	ug/L
95-48-7	2-Methylphenol	0.380	U	11	0.380	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	0.280	U	11	0.280	ug/L
98-86-2	Acetophenone	0.390	U	11	0.390	ug/L
106-44-5	3+4-Methylphenols	0.410	U	11	0.410	ug/L
621-64-7	N-Nitroso-di-n-propylamine	0.360	U	11	0.360	ug/L
67-72-1	Hexachloroethane	0.240	U	11	0.240	ug/L
98-95-3	Nitrobenzene	0.350	U	11	0.350	ug/L
78-59-1	Isophorone	0.270	U	11	0.270	ug/L
88-75-5	2-Nitrophenol	0.290	U	11	0.290	ug/L
105-67-9	2,4-Dimethylphenol	0.800	U	11	0.800	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.350	U	11	0.350	ug/L
120-83-2	2,4-Dichlorophenol	0.360	U	11	0.360	ug/L
91-20-3	Naphthalene	0.290	U	11	0.290	ug/L
106-47-8	4-Chloroaniline	0.970	U	11	0.970	ug/L
87-68-3	Hexachlorobutadiene	0.410	U	11	0.410	ug/L
105-60-2	Caprolactam	1.6	U	11	1.6	ug/L
59-50-7	4-Chloro-3-methylphenol	0.230	U	11	0.230	ug/L
91-57-6	2-Methylnaphthalene	0.390	U	11	0.390	ug/L
77-47-4	Hexachlorocyclopentadiene	0.590	U	11	0.590	ug/L
88-06-2	2,4,6-Trichlorophenol	0.370	U	11	0.370	ug/L
95-95-4	2,4,5-Trichlorophenol	0.400	U	11	0.400	ug/L
92-52-4	1,1-Biphenyl	0.340	U	11	0.340	ug/L
91-58-7	2-Chloronaphthalene	0.240	U	11	0.240	ug/L
88-74-4	2-Nitroaniline	0.260	U	11	0.260	ug/L
131-11-3	Dimethylphthalate	0.280	U	11	0.280	ug/L
208-96-8	Acenaphthylene	0.370	U	11	0.370	ug/L
606-20-2	2,6-Dinitrotoluene	0.370	U	11	0.370	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-14**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**950.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020703.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	0.370	U	11	0.370	ug/L
83-32-9	Acenaphthene	0.340	U	11	0.340	ug/L
51-28-5	2,4-Dinitrophenol	0.670	U	11	0.670	ug/L
100-02-7	4-Nitrophenol	1.8	U	11	1.8	ug/L
132-64-9	Dibenzofuran	0.330	U	11	0.330	ug/L
121-14-2	2,4-Dinitrotoluene	0.360	U	11	0.360	ug/L
84-66-2	Diethylphthalate	0.340	U	11	0.340	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.310	U	11	0.310	ug/L
86-73-7	Fluorene	0.290	U	11	0.290	ug/L
100-01-6	4-Nitroaniline	0.380	U	11	0.380	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.310	U	11	0.310	ug/L
86-30-6	N-Nitrosodiphenylamine	0.370	U	11	0.370	ug/L
101-55-3	4-Bromophenyl-phenylether	1.5	U	11	1.5	ug/L
118-74-1	Hexachlorobenzene	0.280	U	11	0.280	ug/L
1912-24-9	Atrazine	0.390	U	11	0.390	ug/L
87-86-5	Pentachlorophenol	0.550	U	11	0.550	ug/L
85-01-8	Phenanthrene	1.4	U	11	1.4	ug/L
120-12-7	Anthracene	1.5	U	11	1.5	ug/L
86-74-8	Carbazole	0.250	U	11	0.250	ug/L
84-74-2	Di-n-butylphthalate	6.2	U	11	6.2	ug/L
206-44-0	Fluoranthene	0.210	U	11	0.210	ug/L
129-00-0	Pyrene	1.5	U	11	1.5	ug/L
85-68-7	Butylbenzylphthalate	0.440	U	11	0.440	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	11	1.1	ug/L
56-55-3	Benzo(a)anthracene	1.4	U	11	1.4	ug/L
218-01-9	Chrysene	0.270	U	11	0.270	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.4	U	11	1.4	ug/L
117-84-0	Di-n-octyl phthalate	0.270	U	11	0.270	ug/L
205-99-2	Benzo(b)fluoranthene	0.450	U	11	0.450	ug/L
207-08-9	Benzo(k)fluoranthene	0.320	U	11	0.320	ug/L
50-32-8	Benzo(a)pyrene	0.230	U	11	0.230	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-14**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**950.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020703.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	0.690	U	11	0.690	ug/L
53-70-3	Dibenz(a,h)anthracene	0.570	U	11	0.570	ug/L
191-24-2	Benzo(g,h,i)perylene	0.410	U	11	0.410	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	53.68	36 %	30 - 78		SPK: 15
13127-88-3	Phenol-d5	35.74	24 %	30 - 77		SPK: 15
4165-60-0	Nitrobenzene-d5	69.25	69 %	30 - 120		SPK: 10
321-60-8	2-Fluorobiphenyl	78.22	78 %	35 - 111		SPK: 10
118-79-6	2,4,6-Tribromophenol	122.07	81 %	27 - 118		SPK: 15
1718-51-0	Terphenyl-d14	98.02	98 %	26 - 135		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	17590	4.55			
1146-65-2	Naphthalene-d8	80368	5.73			
15067-26-2	Acenaphthene-d10	44233	7.45			
1517-22-2	Phenanthrene-d10	76633	8.92			
1719-03-5	Chrysene-d12	85320	11.54			
1520-96-3	Perylene-d12	79928	13.43			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP3.16	8.3	AB	3.16		ug/L
627-70-3	2-Propanone, (1-methylethylidene	3.6	J	3.82		ug/L
	unknown5.35	2.5	J	5.35		ug/L
1526-17-6	2-Fluoro-6-nitrophenol	2.1	J	5.45		ug/L
112-34-5	Ethanol, 2-(2-butoxyethoxy)-	2.3	J	5.62		ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

QUALITY CONTROL SUMMARY REPORTS

GC/MS EXTRACTABLES

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
PB34316B	SBLK02	2-Fluorophenol	150	93.17	62		30.00	78.00
		Phenol-d5	150	58.92	39		30.00	77.00
		Nitrobenzene-d5	100	98.02	98		30.00	120.00
		2-Fluorobiphenyl	100	105.03	105		35.00	111.00
		2,4,6-Tribromophenol	150	136.09	91		27.00	118.00
		Terphenyl-d14	100	101.86	102		26.00	135.00
PB34316BS	SLCS02	2-Fluorophenol	150	89.96	60		30.00	78.00
		Phenol-d5	150	57.61	38		30.00	77.00
		Nitrobenzene-d5	100	96.93	97		30.00	120.00
		2-Fluorobiphenyl	100	104.39	104		35.00	111.00
		2,4,6-Tribromophenol	150	146.46	98		27.00	118.00
		Terphenyl-d14	100	110.3	110		26.00	135.00
PB34323B	SBLK01	2-Fluorophenol	150	111.84	75		23.00	104.00
		Phenol-d5	150	112.78	75		29.00	104.00
		Nitrobenzene-d5	100	80.32	80		28.00	110.00
		2-Fluorobiphenyl	100	78.13	78		32.00	109.00
		2,4,6-Tribromophenol	150	126.9	85		24.00	112.00
		Terphenyl-d14	100	74.52	75		30.00	150.00
PB34323BS	SLCS01	2-Fluorophenol	150	101.34	68		23.00	104.00
		Phenol-d5	150	116.16	77		29.00	104.00
		Nitrobenzene-d5	100	71.99	72		28.00	110.00
		2-Fluorobiphenyl	100	78.98	79		32.00	109.00
		2,4,6-Tribromophenol	150	129.16	86		24.00	112.00
		Terphenyl-d14	100	72.16	72		30.00	150.00
Z3012-01	TRC-SB-1(1-4)	2-Fluorophenol	150	142.6	95		23.00	104.00
		Phenol-d5	150	146	97		29.00	104.00
		Nitrobenzene-d5	100	91.4	91		28.00	110.00
		2-Fluorobiphenyl	100	96.6	97		32.00	109.00
		2,4,6-Tribromophenol	150	126.2	84		24.00	112.00
		Terphenyl-d14	100	77.60	78		30.00	150.00
Z3012-01DL	TRC-SB-1(1-4)DL	2-Fluorophenol	150	104	69		23.00	104.00
		Phenol-d5	150	124	83		29.00	104.00
		Nitrobenzene-d5	100	83	83		28.00	110.00
		2-Fluorobiphenyl	100	91	91		32.00	109.00
		2,4,6-Tribromophenol	150	126	84		24.00	112.00
		Terphenyl-d14	100	82	82		30.00	150.00
Z3012-02	TRC-SB-1(4-8)	2-Fluorophenol	150	61.88	41		23.00	104.00
		Phenol-d5	150	79.54	53		29.00	104.00
		Nitrobenzene-d5	100	54.65	55		28.00	110.00
		2-Fluorobiphenyl	100	62.35	62		32.00	109.00
		2,4,6-Tribromophenol	150	119.56	80		24.00	112.00

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Z3012-02	TRC-SB-1(4-8)	Terphenyl-d14	100	61.56	62		30.00	150.00
Z3012-02DL	TRC-SB-1(4-8)DL	2-Fluorophenol	150	53.54	36		23.00	104.00
		Phenol-d5	150	72.06	48		29.00	104.00
		Nitrobenzene-d5	100	46.06	46		28.00	110.00
		2-Fluorobiphenyl	100	47.54	48		32.00	109.00
		2,4,6-Tribromophenol	150	86.16	57		24.00	112.00
		Terphenyl-d14	100	47.12	47		30.00	150.00
Z3012-03	TRC-SB-2(1-4)	2-Fluorophenol	150	125.6	84		23.00	104.00
		Phenol-d5	150	129	86		29.00	104.00
		Nitrobenzene-d5	100	96.7	97		28.00	110.00
		2-Fluorobiphenyl	100	82	82		32.00	109.00
		2,4,6-Tribromophenol	150	116.6	78		24.00	112.00
		Terphenyl-d14	100	67.2	67		30.00	150.00
Z3012-04	TRC-SB-2(5-9)	2-Fluorophenol	150	111.39	74		23.00	104.00
		Phenol-d5	150	116.95	78		29.00	104.00
		Nitrobenzene-d5	100	79.51	80		28.00	110.00
		2-Fluorobiphenyl	100	76.57	77		32.00	109.00
		2,4,6-Tribromophenol	150	136.13	91		24.00	112.00
		Terphenyl-d14	100	57.51	58		30.00	150.00
Z3012-04DL	TRC-SB-2(5-9)DL	2-Fluorophenol	150	116.2	77		23.00	104.00
		Phenol-d5	150	126.2	84		29.00	104.00
		Nitrobenzene-d5	100	84	84		28.00	110.00
		2-Fluorobiphenyl	100	70.10	70		32.00	109.00
		2,4,6-Tribromophenol	150	120.85	81		24.00	112.00
		Terphenyl-d14	100	64.5	65		30.00	150.00
Z3012-05	TRC-SB-3(1-4)	2-Fluorophenol	150	110.35	74		23.00	104.00
		Phenol-d5	150	126.9	85		29.00	104.00
		Nitrobenzene-d5	100	87	87		28.00	110.00
		2-Fluorobiphenyl	100	76.65	77		32.00	109.00
		2,4,6-Tribromophenol	150	127.25	85		24.00	112.00
		Terphenyl-d14	100	65.45	65		30.00	150.00
Z3012-06	TRC-SB-3(4-8)	2-Fluorophenol	150	124.2	83		23.00	104.00
		Phenol-d5	150	132.2	88		29.00	104.00
		Nitrobenzene-d5	100	95.2	95		28.00	110.00
		2-Fluorobiphenyl	100	94.2	94		32.00	109.00
		2,4,6-Tribromophenol	150	104.4	70		24.00	112.00
		Terphenyl-d14	100	82	82		30.00	150.00
Z3012-07	TRC-SB-4(1-4)	2-Fluorophenol	150	111.09	74		23.00	104.00
		Phenol-d5	150	115.77	77		29.00	104.00
		Nitrobenzene-d5	100	77.7	78		28.00	110.00
		2-Fluorobiphenyl	100	84.44	84		32.00	109.00

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Z3012-07	TRC-SB-4(1-4)	2,4,6-Tribromophenol	150	132.75	89		24.00	112.00
		Terphenyl-d14	100	66.2	66		30.00	150.00
Z3012-07DL	TRC-SB-4(1-4)DL	2-Fluorophenol	150	141.25	94		23.00	104.00
		Phenol-d5	150	147.85	99		29.00	104.00
		Nitrobenzene-d5	100	102.85	103		28.00	110.00
		2-Fluorobiphenyl	100	99.7	100		32.00	109.00
		2,4,6-Tribromophenol	150	146.05	97		24.00	112.00
		Terphenyl-d14	100	89.5	90		30.00	150.00
Z3012-08	TRC-SB-5(1-4)	2-Fluorophenol	150	126.07	84		23.00	104.00
		Phenol-d5	150	125.16	83		29.00	104.00
		Nitrobenzene-d5	100	79.79	80		28.00	110.00
		2-Fluorobiphenyl	100	70.37	70		32.00	109.00
		2,4,6-Tribromophenol	150	126.76	85		24.00	112.00
		Terphenyl-d14	100	76.78	77		30.00	150.00
Z3012-09	TRC-SB-5(4-8)	2-Fluorophenol	150	109.06	73		23.00	104.00
		Phenol-d5	150	113.09	75		29.00	104.00
		Nitrobenzene-d5	100	77.68	78		28.00	110.00
		2-Fluorobiphenyl	100	82.63	83		32.00	109.00
		2,4,6-Tribromophenol	150	131.56	88		24.00	112.00
		Terphenyl-d14	100	81.57	82		30.00	150.00
Z3012-10	TRC-GW1	2-Fluorophenol	150	57.67	38		30.00	78.00
		Phenol-d5	150	37.75	25	*	30.00	77.00
		Nitrobenzene-d5	100	73.9	74		30.00	120.00
		2-Fluorobiphenyl	100	79.48	79		35.00	111.00
		2,4,6-Tribromophenol	150	115.77	77		27.00	118.00
		Terphenyl-d14	100	100.49	100		26.00	135.00
Z3012-11	TRC-GW2	2-Fluorophenol	150	52.37	35		30.00	78.00
		Phenol-d5	150	34.24	23	*	30.00	77.00
		Nitrobenzene-d5	100	66.41	66		30.00	120.00
		2-Fluorobiphenyl	100	73.63	74		35.00	111.00
		2,4,6-Tribromophenol	150	107.49	72		27.00	118.00
		Terphenyl-d14	100	95.97	96		26.00	135.00
Z3012-12	TRC-GW3	2-Fluorophenol	150	47.47	32		30.00	78.00
		Phenol-d5	150	35.24	23	*	30.00	77.00
		Nitrobenzene-d5	100	68.47	68		30.00	120.00
		2-Fluorobiphenyl	100	68.71	69		35.00	111.00
		2,4,6-Tribromophenol	150	114.43	76		27.00	118.00
		Terphenyl-d14	100	87.22	87		26.00	135.00
Z3012-13	TRC-GW4	2-Fluorophenol	150	44.4	30		30.00	78.00
		Phenol-d5	150	27.69	18	*	30.00	77.00
		Nitrobenzene-d5	100	71.19	71		30.00	120.00

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Z3012-13	TRC-GW4	2-Fluorobiphenyl	100	76.27	76		35.00	111.00
		2,4,6-Tribromophenol	150	109.54	73		27.00	118.00
		Terphenyl-d14	100	95.77	96		26.00	135.00
Z3012-14	TRC-GW5	2-Fluorophenol	150	53.68	36		30.00	78.00
		Phenol-d5	150	35.74	24	*	30.00	77.00
		Nitrobenzene-d5	100	69.25	69		30.00	120.00
		2-Fluorobiphenyl	100	78.22	78		35.00	111.00
		2,4,6-Tribromophenol	150	122.07	81		27.00	118.00
		Terphenyl-d14	100	98.02	98		26.00	135.00
Z3031-01MS	Z3031-01MS	2-Fluorophenol	150	114.95	77		23.00	104.00
		Phenol-d5	150	119.22	79		29.00	104.00
		Nitrobenzene-d5	100	78.25	78		28.00	110.00
		2-Fluorobiphenyl	100	56.74	57		32.00	109.00
		2,4,6-Tribromophenol	150	117.48	78		24.00	112.00
		Terphenyl-d14	100	59.65	60		30.00	150.00
Z3031-01MSD	Z3031-01MSD	2-Fluorophenol	150	115.56	77		23.00	104.00
		Phenol-d5	150	119.93	80		29.00	104.00
		Nitrobenzene-d5	100	76.32	76		28.00	110.00
		2-Fluorobiphenyl	100	62.01	62		32.00	109.00
		2,4,6-Tribromophenol	150	122.75	82		24.00	112.00
		Terphenyl-d14	100	60.87	61		30.00	150.00

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Z3031-01MS	**Client Sample ID:**		**Z3031-01MS**							
2-Chlorophenol	1700	0	1300	76				52	107	
Benzaldehyde	1700	0	640	38				20	150	
Phenol	1700	0	1300	76				42	105	
bis(2-Chloroethyl)ether	1700	0	1400	82				37	114	
2,2-oxybis(1-Chloropropane)	1700	0	1300	76				44	102	
2-Methylphenol	1700	0	1300	76				50	100	
Hexachloroethane	1700	0	1100	65				43	101	
N-Nitroso-di-n-propylamine	1700	0	1300	76				63	97	
3+4-Methylphenols	1700	0	1400	82				30	106	
Acetophenone	1700	0	1400	82				20	150	
Nitrobenzene	1700	0	1300	76				50	109	
Isophorone	1700	0	1400	82				48	111	
2-Nitrophenol	1700	0	1300	76				52	116	
2,4-Dimethylphenol	1700	0	1400	82				47	109	
bis(2-Chloroethoxy)methane	1700	0	1400	82				51	111	
2,4-Dichlorophenol	1700	0	1400	82				55	109	
Naphthalene	1700	0	1400	82				34	120	
4-Chloroaniline	1700	0	1300	76				15	92	
Hexachlorobutadiene	1700	0	1400	82				20	150	
Caprolactam	1700	0	1300	76				20	150	
4-Chloro-3-methylphenol	1700	0	1400	82				60	100	
2-Methylnaphthalene	1700	0	1300	76				49	115	
Hexachlorocyclopentadiene	3300	0	2200	67				20	107	
2,4,6-Trichlorophenol	1700	0	1300	76				50	112	
2,4,5-Trichlorophenol	1700	0	1400	82				55	105	
1,1-Biphenyl	1700	0	1200	71				20	150	
2-Chloronaphthalene	1700	0	1200	71				50	113	
2-Nitroaniline	1700	0	1300	76				52	110	
Acenaphthylene	1700	0	1300	76				52	107	
Dimethylphthalate	1700	0	1400	82				45	122	
2,6-Dinitrotoluene	1700	0	1400	82				49	116	
Acenaphthene	1700	0	1200	71				65	100	
3-Nitroaniline	1700	0	1300	76				27	88	
2,4-Dinitrophenol	3300	0	1400	42				26	131	
Dibenzofuran	1700	0	1300	76				52	113	
4-Nitrophenol	3300	0	2700	82				45	95	
2,4-Dinitrotoluene	1700	0	1400	82				56	104	
Fluorene	1700	0	1300	76				47	117	
Diethylphthalate	1700	0	1300	76				49	115	
4-Chlorophenyl-phenylether	1700	0	1300	76				37	127	

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Z3031-01MS	**Client Sample ID:**		**Z3031-01MS**							
4-Nitroaniline	1700	0	1200	71				41	115	
4,6-Dinitro-2-methylphenol	1700	0	1200	71				40	105	
N-Nitrosodiphenylamine	1700	0	1400	82				55	120	
4-Bromophenyl-phenylether	1700	0	1400	82				53	113	
Hexachlorobenzene	1700	0	1400	82				48	118	
Atrazine	1700	0	1300	76				37	122	
Pentachlorophenol	3300	0	3100	94				33	111	
Phenanthrene	1700	0	1400	82				50	119	
Anthracene	1700	0	1300	76				54	108	
Carbazole	1700	0	1600	94				54	117	
Di-n-butylphthalate	1700	0	1300	76				52	112	
Fluoranthene	1700	0	1400	82				55	105	
Pyrene	1700	0	1200	71				49	120	
Butylbenzylphthalate	1700	0	1300	76				55	120	
Benzo(a)anthracene	1700	0	1200	71				60	100	
3,3-Dichlorobenzidine	1700	0	1100	65				31	111	
Chrysene	1700	0	1200	71				51	115	
bis(2-Ethylhexyl)phthalate	1700	0	1300	76				54	124	
Di-n-octyl phthalate	1700	0	1300	76				53	122	
Indeno(1,2,3-cd)pyrene	1700	0	1200	71				42	124	
Benzo(b)fluoranthene	1700	0	1400	82				42	126	
Benzo(k)fluoranthene	1700	0	1300	76				43	125	
Benzo(a)pyrene	1700	0	1300	76				58	102	
Dibenz(a,h)anthracene	1700	0	1400	82				41	130	
Benzo(g,h,i)perylene	1700	0	1400	82				39	130	

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Z3031-01MSD	**Client Sample ID:**		**Z3031-01MSD**							
2-Chlorophenol	1700	0	1300	76		0		52	107	50
Benzaldehyde	1700	0	660	39		3		20	150	50
Phenol	1700	0	1300	76		0		42	105	50
bis(2-Chloroethyl)ether	1700	0	1300	76		8		37	114	50
2,2-oxybis(1-Chloropropane)	1700	0	1300	76		0		44	102	50
2-Methylphenol	1700	0	1300	76		0		50	100	50
Hexachloroethane	1700	0	1200	71		9		43	101	50
N-Nitroso-di-n-propylamine	1700	0	1400	82		8		63	97	50
3+4-Methylphenols	1700	0	1300	76		8		30	106	50
Acetophenone	1700	0	1300	76		8		20	150	50
Nitrobenzene	1700	0	1300	76		0		50	109	50
Isophorone	1700	0	1400	82		0		48	111	50
2-Nitrophenol	1700	0	1400	82		8		52	116	50
2,4-Dimethylphenol	1700	0	1400	82		0		47	109	50
bis(2-Chloroethoxy)methane	1700	0	1400	82		0		51	111	50
2,4-Dichlorophenol	1700	0	1500	88		7		55	109	50
Naphthalene	1700	0	1400	82		0		34	120	50
4-Chloroaniline	1700	0	1200	71		7		15	92	50
Hexachlorobutadiene	1700	0	1400	82		0		20	150	50
Caprolactam	1700	0	1300	76		0		20	150	50
4-Chloro-3-methylphenol	1700	0	1400	82		0		60	100	50
2-Methylnaphthalene	1700	0	1300	76		0		49	115	50
Hexachlorocyclopentadiene	3300	0	2300	70		4		20	107	50
2,4,6-Trichlorophenol	1700	0	1500	88		15		50	112	50
2,4,5-Trichlorophenol	1700	0	1500	88		7		55	105	50
1,1-Biphenyl	1700	0	1300	76		7		20	150	50
2-Chloronaphthalene	1700	0	1400	82		14		50	113	50
2-Nitroaniline	1700	0	1400	82		8		52	110	50
Acenaphthylene	1700	0	1400	82		8		52	107	50
Dimethylphthalate	1700	0	1500	88		7		45	122	50
2,6-Dinitrotoluene	1700	0	1400	82		0		49	116	50
Acenaphthene	1700	0	1400	82		14		65	100	50
3-Nitroaniline	1700	0	1400	82		8		27	88	50
2,4-Dinitrophenol	3300	0	1600	48		13		26	131	50
Dibenzofuran	1700	0	1300	76		0		52	113	50
4-Nitrophenol	3300	0	2900	88		7		45	95	50
2,4-Dinitrotoluene	1700	0	1400	82		0		56	104	50
Fluorene	1700	0	1300	76		0		47	117	50
Diethylphthalate	1700	0	1400	82		8		49	115	50
4-Chlorophenyl-phenylether	1700	0	1300	76		0		37	127	50

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Z3031-01MSD	**Client Sample ID:**		**Z3031-01MSD**							
4-Nitroaniline	1700	0	1200	71		0		41	115	50
4,6-Dinitro-2-methylphenol	1700	0	1100	65		9		40	105	50
N-Nitrosodiphenylamine	1700	0	1300	76		8		55	120	50
4-Bromophenyl-phenylether	1700	0	1400	82		0		53	113	50
Hexachlorobenzene	1700	0	1300	76		8		48	118	50
Atrazine	1700	0	1300	76		0		37	122	50
Pentachlorophenol	3300	0	3000	91		3		33	111	50
Phenanthrene	1700	0	1300	76		8		50	119	50
Anthracene	1700	0	1300	76		0		54	108	50
Carbazole	1700	0	1400	82		14		54	117	50
Di-n-butylphthalate	1700	0	1300	76		0		52	112	50
Fluoranthene	1700	0	1300	76		8		55	105	50
Pyrene	1700	0	1300	76		7		49	120	50
Butylbenzylphthalate	1700	0	1200	71		7		55	120	50
Benzo(a)anthracene	1700	0	1200	71		0		60	100	50
3,3-Dichlorobenzidine	1700	0	1100	65		0		31	111	50
Chrysene	1700	0	1200	71		0		51	115	50
bis(2-Ethylhexyl)phthalate	1700	0	1200	71		7		54	124	50
Di-n-octyl phthalate	1700	0	1200	71		7		53	122	50
Indeno(1,2,3-cd)pyrene	1700	0	1100	65		9		42	124	50
Benzo(b)fluoranthene	1700	0	1400	82		0		42	126	50
Benzo(k)fluoranthene	1700	0	1400	82		8		43	125	50
Benzo(a)pyrene	1700	0	1400	82		8		58	102	50
Dibenz(a,h)anthracene	1700	0	1400	82		0		41	130	50
Benzo(g,h,i)perylene	1700	0	1400	82		0		39	130	50

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-01MS**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-01MS**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038625.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	640		330	11	ug/Kg
108-95-2	Phenol	1300		330	9.2	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		330	4.3	ug/Kg
95-57-8	2-Chlorophenol	1300		330	8.9	ug/Kg
95-48-7	2-Methylphenol	1300		330	8.8	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		330	14	ug/Kg
98-86-2	Acetophenone	1400	B	330	9.8	ug/Kg
106-44-5	3+4-Methylphenols	1400		330	10	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1300		330	12	ug/Kg
67-72-1	Hexachloroethane	1100		330	11	ug/Kg
98-95-3	Nitrobenzene	1300		330	7.7	ug/Kg
78-59-1	Isophorone	1400		330	11	ug/Kg
88-75-5	2-Nitrophenol	1300		330	12	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		330	9.9	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		330	7.6	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		330	7.8	ug/Kg
91-20-3	Naphthalene	1400		330	8.0	ug/Kg
106-47-8	4-Chloroaniline	1300		330	22	ug/Kg
87-68-3	Hexachlorobutadiene	1400		330	13	ug/Kg
105-60-2	Caprolactam	1300		330	40	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		330	9.7	ug/Kg
91-57-6	2-Methylnaphthalene	1300		330	9.3	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	E	330	17	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		330	7.7	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		830	9.8	ug/Kg
92-52-4	1,1-Biphenyl	1200		330	9.8	ug/Kg
91-58-7	2-Chloronaphthalene	1200		330	8.0	ug/Kg
88-74-4	2-Nitroaniline	1300		830	15	ug/Kg
131-11-3	Dimethylphthalate	1400		330	9.6	ug/Kg
208-96-8	Acenaphthylene	1300		330	4.8	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		330	12	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-01MS**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-01MS**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038625.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	1300		830	22	ug/Kg
83-32-9	Acenaphthene	1200		330	7.1	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		830	18	ug/Kg
100-02-7	4-Nitrophenol	2700	E	830	20	ug/Kg
132-64-9	Dibenzofuran	1300		330	10	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		330	11	ug/Kg
84-66-2	Diethylphthalate	1300		330	11	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		330	13	ug/Kg
86-73-7	Fluorene	1300		330	8.9	ug/Kg
100-01-6	4-Nitroaniline	1200		830	26	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		830	45	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1400		330	25	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		330	15	ug/Kg
118-74-1	Hexachlorobenzene	1400		330	10	ug/Kg
1912-24-9	Atrazine	1300		330	23	ug/Kg
87-86-5	Pentachlorophenol	3100	E	830	37	ug/Kg
85-01-8	Phenanthrene	1400		330	10	ug/Kg
120-12-7	Anthracene	1300		330	11	ug/Kg
86-74-8	Carbazole	1600		330	25	ug/Kg
84-74-2	Di-n-butylphthalate	1300		330	15	ug/Kg
206-44-0	Fluoranthene	1400		330	8.0	ug/Kg
129-00-0	Pyrene	1200		330	7.2	ug/Kg
85-68-7	Butylbenzylphthalate	1300		330	21	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		330	25	ug/Kg
56-55-3	Benzo(a)anthracene	1200		330	7.9	ug/Kg
218-01-9	Chrysene	1200		330	6.1	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	1300		330	13	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		330	12	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		330	24	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		330	15	ug/Kg
50-32-8	Benzo(a)pyrene	1300		330	9.7	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-01MS**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-01MS**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.1 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038625.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	1200		330	8.4	ug/Kg
53-70-3	Dibenz(a,h)anthracene	1400		330	24	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		330	24	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	114.95	77 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	119.22	79 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	78.25	78 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	56.74	57 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	117.48	78 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	59.65	60 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146055	5.83			
1146-65-2	Naphthalene-d8	536977	8.17			
15067-26-2	Acenaphthene-d10	375344	11.60			
1517-22-2	Phenanthrene-d10	619066	14.54			
1719-03-5	Chrysene-d12	718206	19.82			
1520-96-3	Perylene-d12	618865	22.48			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-01MSD**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-01MSD**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038626.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	660		330	11	ug/Kg
108-95-2	Phenol	1300		330	9.2	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		330	4.3	ug/Kg
95-57-8	2-Chlorophenol	1300		330	9.0	ug/Kg
95-48-7	2-Methylphenol	1300		330	8.8	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		330	14	ug/Kg
98-86-2	Acetophenone	1300	B	330	9.8	ug/Kg
106-44-5	3+4-Methylphenols	1300		330	10	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1400		330	12	ug/Kg
67-72-1	Hexachloroethane	1200		330	11	ug/Kg
98-95-3	Nitrobenzene	1300		330	7.7	ug/Kg
78-59-1	Isophorone	1400		330	11	ug/Kg
88-75-5	2-Nitrophenol	1400		330	12	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		330	9.9	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		330	7.6	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		330	7.8	ug/Kg
91-20-3	Naphthalene	1400		330	8.0	ug/Kg
106-47-8	4-Chloroaniline	1200		330	22	ug/Kg
87-68-3	Hexachlorobutadiene	1400		330	13	ug/Kg
105-60-2	Caprolactam	1300		330	40	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		330	9.7	ug/Kg
91-57-6	2-Methylnaphthalene	1300		330	9.3	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2300	E	330	17	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		330	7.7	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		830	9.8	ug/Kg
92-52-4	1,1-Biphenyl	1300		330	9.8	ug/Kg
91-58-7	2-Chloronaphthalene	1400		330	8.0	ug/Kg
88-74-4	2-Nitroaniline	1400		830	15	ug/Kg
131-11-3	Dimethylphthalate	1500		330	9.6	ug/Kg
208-96-8	Acenaphthylene	1400		330	4.8	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		330	12	ug/Kg

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E = Value Exceeds Calibration Range

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-01MSD**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-01MSD**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038626.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	1400		830	22	ug/Kg
83-32-9	Acenaphthene	1400		330	7.1	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		830	18	ug/Kg
100-02-7	4-Nitrophenol	2900	E	830	20	ug/Kg
132-64-9	Dibenzofuran	1300		330	10	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		330	11	ug/Kg
84-66-2	Diethylphthalate	1400		330	11	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		330	13	ug/Kg
86-73-7	Fluorene	1300		330	8.9	ug/Kg
100-01-6	4-Nitroaniline	1200		830	26	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		830	45	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1300		330	25	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		330	15	ug/Kg
118-74-1	Hexachlorobenzene	1300		330	10	ug/Kg
1912-24-9	Atrazine	1300		330	23	ug/Kg
87-86-5	Pentachlorophenol	3000	E	830	37	ug/Kg
85-01-8	Phenanthrene	1300		330	10	ug/Kg
120-12-7	Anthracene	1300		330	11	ug/Kg
86-74-8	Carbazole	1400		330	25	ug/Kg
84-74-2	Di-n-butylphthalate	1300		330	16	ug/Kg
206-44-0	Fluoranthene	1300		330	8.0	ug/Kg
129-00-0	Pyrene	1300		330	7.2	ug/Kg
85-68-7	Butylbenzylphthalate	1200		330	21	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		330	25	ug/Kg
56-55-3	Benzo(a)anthracene	1200		330	7.9	ug/Kg
218-01-9	Chrysene	1200		330	6.1	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	1200		330	13	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		330	12	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		330	24	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		330	15	ug/Kg
50-32-8	Benzo(a)pyrene	1400		330	9.7	ug/Kg

U = Not Detected
RL = Reporting Limit
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J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-01MSD**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-01MSD**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038626.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	1100		330	8.4	ug/Kg
53-70-3	Dibenz(a,h)anthracene	1400		330	24	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		330	24	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	115.56	77 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	119.93	80 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	76.32	76 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	62.01	62 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	122.75	82 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	60.87	61 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	163231	5.83			
1146-65-2	Naphthalene-d8	607022	8.17			
15067-26-2	Acenaphthene-d10	390769	11.60			
1517-22-2	Phenanthrene-d10	729565	14.54			
1719-03-5	Chrysene-d12	809727	19.83			
1520-96-3	Perylene-d12	666015	22.48			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Chemtech

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
PB34323BS	2-Chlorophenol	1700	1100	65			54	92	
	Benzaldehyde	1700	560	33			10	78	
	Phenol	1700	1200	71			48	96	
	bis(2-Chloroethyl)ether	1700	1200	71			49	96	
	2,2-oxybis(1-Chloropropane)	1700	1200	71			47	97	
	2-Methylphenol	1700	1200	71			55	91	
	Hexachloroethane	1700	1200	71			50	91	
	N-Nitroso-di-n-propylamine	1700	1200	71			49	99	
	3+4-Methylphenols	1700	1200	71			57	92	
	Acetophenone	1700	1200	71			49	98	
	Nitrobenzene	1700	1200	71			53	92	
	Isophorone	1700	1300	76			55	89	
	2-Nitrophenol	1700	1200	71			58	89	
	2,4-Dimethylphenol	1700	1200	71			58	88	
	bis(2-Chloroethoxy)methane	1700	1300	76			57	88	
	2,4-Dichlorophenol	1700	1300	76			55	109	
	Naphthalene	1700	1100	65			34	120	
	4-Chloroaniline	1700	670	39			7	68	
	Hexachlorobutadiene	1700	1200	71			53	98	
	Caprolactam	1700	1100	65			31	94	
	4-Chloro-3-methylphenol	1700	1200	71			57	92	
	2-Methylnaphthalene	1700	1200	71			59	91	
	Hexachlorocyclopentadiene	3300	2500	76		*	17	73	
	2,4,6-Trichlorophenol	1700	1300	76			60	99	
	2,4,5-Trichlorophenol	1700	1300	76			56	98	
	1,1-Biphenyl	1700	1300	76			55	105	
	2-Chloronaphthalene	1700	1400	82			59	97	
	2-Nitroaniline	1700	1300	76			53	96	
	Acenaphthylene	1700	1400	82			51	98	
	Dimethylphthalate	1700	1300	76			54	102	
	2,6-Dinitrotoluene	1700	1400	82			58	97	
	Acenaphthene	1700	1300	76			52	97	
	3-Nitroaniline	1700	780	46			10	91	
	2,4-Dinitrophenol	3300	1800	55			37	93	
	Dibenzofuran	1700	1400	82			56	91	
	4-Nitrophenol	3300	2400	73			24	120	
	2,4-Dinitrotoluene	1700	1400	82			61	101	
	Fluorene	1700	1300	76			52	97	
	Diethylphthalate	1700	1400	82			55	101	
	4-Chlorophenyl-phenylether	1700	1300	76			60	99	
	4-Nitroaniline	1700	1200	71			47	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
PB34323BS	4,6-Dinitro-2-methylphenol	1700	1100	65			58	107	
	N-Nitrosodiphenylamine	1700	1300	76			60	101	
	4-Bromophenyl-phenylether	1700	1200	71			62	101	
	Hexachlorobenzene	1700	1200	71			59	101	
	Atrazine	1700	1200	71			62	102	
	Pentachlorophenol	3300	2400	73			32	102	
	Phenanthrene	1700	1200	71			55	106	
	Anthracene	1700	1200	71			55	103	
	Carbazole	1700	1300	76			55	139	
	Di-n-butylphthalate	1700	1200	71			60	106	
	Fluoranthene	1700	1300	76			54	104	
	Pyrene	1700	1200	71			53	103	
	Butylbenzylphthalate	1700	1200	71			56	103	
	Benzo(a)anthracene	1700	1200	71			58	100	
	3,3-Dichlorobenzidine	1700	790	46			28	101	
	Chrysene	1700	1100	65			53	103	
	bis(2-Ethylhexyl)phthalate	1700	1100	65			51	115	
	Di-n-octyl phthalate	1700	1200	71			54	106	
	Indeno(1,2,3-cd)pyrene	1700	1200	71			35	112	
	Benzo(b)fluoranthene	1700	1400	82			49	104	
	Benzo(k)fluoranthene	1700	1200	71			47	119	
	Benzo(a)pyrene	1700	1300	76			53	103	
	Dibenz(a,h)anthracene	1700	1300	76			44	108	
	Benzo(g,h,i)perylene	1700	1300	76			40	106	
PB34316BS	2-Chlorophenol	50	44	88			41	91	
	Benzaldehyde	50	6.2	12			10	89	
	Phenol	50	18	36			18	37	
	bis(2-Chloroethyl)ether	50	47	94			63	121	
	2,2-oxybis(1-Chloropropane)	50	47	94			53	102	
	2-Methylphenol	50	38	76			30	94	
	Hexachloroethane	50	42	84			38	104	
	N-Nitroso-di-n-propylamine	50	46	92			48	96	
	3+4-Methylphenols	50	34	68			35	110	
	Acetophenone	50	45	90			56	105	
	Nitrobenzene	50	44	88			51	100	
	Isophorone	50	49	98			57	99	
	2-Nitrophenol	50	46	92			53	96	
	2,4-Dimethylphenol	50	43	86			47	88	
	bis(2-Chloroethoxy)methane	50	46	92			65	100	
	2,4-Dichlorophenol	50	47	94			51	97	
	Naphthalene	50	43	86			57	99	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
PB34316BS	4-Chloroaniline	50	8.7	17		*	23	74	
	Hexachlorobutadiene	50	42	84			44	103	
	Caprolactam	50	8.6	17		*	20	150	
	4-Chloro-3-methylphenol	50	45	90			46	97	
	2-Methylnaphthalene	50	44	88			62	99	
	Hexachlorocyclopentadiene	100	76	76			20	100	
	2,4,6-Trichlorophenol	50	48	96			52	102	
	2,4,5-Trichlorophenol	50	47	94			52	97	
	1,1-Biphenyl	50	43	86			58	112	
	2-Chloronaphthalene	50	45	90			65	104	
	2-Nitroaniline	50	48	96			53	108	
	Acenaphthylene	50	46	92			60	103	
	Dimethylphthalate	50	40	80			58	105	
	2,6-Dinitrotoluene	50	48	96			64	105	
	Acenaphthene	50	49	98			63	101	
	3-Nitroaniline	50	17	34			32	86	
	2,4-Dinitrophenol	100	93	93		*	23	91	
	Dibenzofuran	50	45	90			66	102	
	4-Nitrophenol	100	37	37			10	78	
	2,4-Dinitrotoluene	50	49	98			67	106	
	Fluorene	50	45	90			60	105	
	Diethylphthalate	50	45	90			64	106	
	4-Chlorophenyl-phenylether	50	46	92			64	110	
	4-Nitroaniline	50	41	82			49	112	
	4,6-Dinitro-2-methylphenol	50	47	94			48	117	
	N-Nitrosodiphenylamine	50	46	92			67	109	
	4-Bromophenyl-phenylether	50	47	94			67	108	
	Hexachlorobenzene	50	46	92			41	112	
	Atrazine	50	34	68			68	114	
	Pentachlorophenol	100	89	89			33	100	
	Phenanthrene	50	46	92			65	114	
	Anthracene	50	46	92			65	109	
	Carbazole	50	45	90			67	138	
	Di-n-butylphthalate	50	47	94			69	112	
	Fluoranthene	50	45	90			61	113	
	Pyrene	50	48	96			64	108	
	Butylbenzylphthalate	50	49	98			66	104	
	Benzo(a)anthracene	50	46	92			67	106	
	3,3-Dichlorobenzidine	50	17	34		*	42	105	
	Chrysene	50	47	94			64	109	
	bis(2-Ethylhexyl)phthalate	50	49	98			63	121	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012

Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
PB34316BS	Di-n-octyl phthalate	50	51	102			64	110	
	Indeno(1,2,3-cd)pyrene	50	48	96			35	139	
	Benzo(b)fluoranthene	50	51	102			56	108	
	Benzo(k)fluoranthene	50	48	96			47	124	
	Benzo(a)pyrene	50	49	98			61	107	
	Dibenz(a,h)anthracene	50	50	100			55	115	
	Benzo(g,h,i)perylene	50	50	100			50	117	

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SLCS01**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34323BS**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038620.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	560		330	11	ug/Kg
108-95-2	Phenol	1200		330	9.2	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		330	4.3	ug/Kg
95-57-8	2-Chlorophenol	1100		330	9.0	ug/Kg
95-48-7	2-Methylphenol	1200		330	8.8	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		330	14	ug/Kg
98-86-2	Acetophenone	1200	B	330	9.8	ug/Kg
106-44-5	3+4-Methylphenols	1200		330	10	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1200		330	12	ug/Kg
67-72-1	Hexachloroethane	1200		330	11	ug/Kg
98-95-3	Nitrobenzene	1200		330	7.8	ug/Kg
78-59-1	Isophorone	1300		330	11	ug/Kg
88-75-5	2-Nitrophenol	1200		330	12	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		330	9.9	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		330	7.6	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		330	7.8	ug/Kg
91-20-3	Naphthalene	1100		330	8.0	ug/Kg
106-47-8	4-Chloroaniline	670		330	22	ug/Kg
87-68-3	Hexachlorobutadiene	1200		330	13	ug/Kg
105-60-2	Caprolactam	1100		330	40	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		330	9.7	ug/Kg
91-57-6	2-Methylnaphthalene	1200		330	9.3	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2500	E	330	17	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		330	7.7	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		830	9.8	ug/Kg
92-52-4	1,1-Biphenyl	1300		330	9.8	ug/Kg
91-58-7	2-Chloronaphthalene	1400		330	8.0	ug/Kg
88-74-4	2-Nitroaniline	1300		830	16	ug/Kg
131-11-3	Dimethylphthalate	1300		330	9.6	ug/Kg
208-96-8	Acenaphthylene	1400		330	4.8	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		330	12	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SLCS01**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34323BS**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038620.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	780	J	830	22	ug/Kg
83-32-9	Acenaphthene	1300		330	7.2	ug/Kg
51-28-5	2,4-Dinitrophenol	1800		830	18	ug/Kg
100-02-7	4-Nitrophenol	2400	E	830	20	ug/Kg
132-64-9	Dibenzofuran	1400		330	10	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		330	11	ug/Kg
84-66-2	Diethylphthalate	1400		330	11	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		330	13	ug/Kg
86-73-7	Fluorene	1300		330	8.9	ug/Kg
100-01-6	4-Nitroaniline	1200		830	26	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		830	45	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1300		330	25	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		330	15	ug/Kg
118-74-1	Hexachlorobenzene	1200		330	10	ug/Kg
1912-24-9	Atrazine	1200		330	23	ug/Kg
87-86-5	Pentachlorophenol	2400	E	830	37	ug/Kg
85-01-8	Phenanthrene	1200		330	10	ug/Kg
120-12-7	Anthracene	1200		330	11	ug/Kg
86-74-8	Carbazole	1300		330	25	ug/Kg
84-74-2	Di-n-butylphthalate	1200		330	16	ug/Kg
206-44-0	Fluoranthene	1300		330	8.0	ug/Kg
129-00-0	Pyrene	1200		330	7.2	ug/Kg
85-68-7	Butylbenzylphthalate	1200		330	21	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790		330	25	ug/Kg
56-55-3	Benzo(a)anthracene	1200		330	8.0	ug/Kg
218-01-9	Chrysene	1100		330	6.2	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	1100		330	13	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		330	12	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		330	24	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		330	15	ug/Kg
50-32-8	Benzo(a)pyrene	1300		330	9.7	ug/Kg

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SLCS01**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34323BS**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038620.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	1200		330	8.4	ug/Kg
53-70-3	Dibenz(a,h)anthracene	1300		330	24	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		330	24	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101.34	68 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	116.16	77 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	71.99	72 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	78.98	79 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	129.16	86 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	72.16	72 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	142688	5.82			
1146-65-2	Naphthalene-d8	543855	8.16			
15067-26-2	Acenaphthene-d10	333320	11.59			
1517-22-2	Phenanthrene-d10	646447	14.53			
1719-03-5	Chrysene-d12	695891	19.82			
1520-96-3	Perylene-d12	624141	22.49			

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SLCS02**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34316BS**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**1000.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020696.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	6.2	J	10	0.270	ug/L
108-95-2	Phenol	18		10	0.550	ug/L
111-44-4	bis(2-Chloroethyl)ether	47		10	0.280	ug/L
95-57-8	2-Chlorophenol	44		10	0.330	ug/L
95-48-7	2-Methylphenol	38		10	0.360	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47		10	0.270	ug/L
98-86-2	Acetophenone	45	B	10	0.370	ug/L
106-44-5	3+4-Methylphenols	34		10	0.390	ug/L
621-64-7	N-Nitroso-di-n-propylamine	46		10	0.340	ug/L
67-72-1	Hexachloroethane	42		10	0.230	ug/L
98-95-3	Nitrobenzene	44		10	0.330	ug/L
78-59-1	Isophorone	49		10	0.260	ug/L
88-75-5	2-Nitrophenol	46		10	0.280	ug/L
105-67-9	2,4-Dimethylphenol	43		10	0.760	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46		10	0.330	ug/L
120-83-2	2,4-Dichlorophenol	47		10	0.340	ug/L
91-20-3	Naphthalene	43		10	0.280	ug/L
106-47-8	4-Chloroaniline	8.7	J	10	0.920	ug/L
87-68-3	Hexachlorobutadiene	42		10	0.390	ug/L
105-60-2	Caprolactam	8.6	J	10	1.5	ug/L
59-50-7	4-Chloro-3-methylphenol	45		10	0.220	ug/L
91-57-6	2-Methylnaphthalene	44		10	0.370	ug/L
77-47-4	Hexachlorocyclopentadiene	76	E	10	0.560	ug/L
88-06-2	2,4,6-Trichlorophenol	48		10	0.350	ug/L
95-95-4	2,4,5-Trichlorophenol	47		10	0.380	ug/L
92-52-4	1,1-Biphenyl	43		10	0.320	ug/L
91-58-7	2-Chloronaphthalene	45		10	0.230	ug/L
88-74-4	2-Nitroaniline	48		10	0.250	ug/L
131-11-3	Dimethylphthalate	40		10	0.270	ug/L
208-96-8	Acenaphthylene	46		10	0.350	ug/L
606-20-2	2,6-Dinitrotoluene	48		10	0.350	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SLCS02**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34316BS**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**1000.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020696.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	17		10	0.350	ug/L
83-32-9	Acenaphthene	49		10	0.320	ug/L
51-28-5	2,4-Dinitrophenol	93	E	10	0.640	ug/L
100-02-7	4-Nitrophenol	37		10	1.7	ug/L
132-64-9	Dibenzofuran	45		10	0.310	ug/L
121-14-2	2,4-Dinitrotoluene	49		10	0.340	ug/L
84-66-2	Diethylphthalate	45		10	0.320	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46		10	0.290	ug/L
86-73-7	Fluorene	45		10	0.280	ug/L
100-01-6	4-Nitroaniline	41		10	0.360	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47		10	0.290	ug/L
86-30-6	N-Nitrosodiphenylamine	46		10	0.350	ug/L
101-55-3	4-Bromophenyl-phenylether	47		10	1.4	ug/L
118-74-1	Hexachlorobenzene	46		10	0.270	ug/L
1912-24-9	Atrazine	34		10	0.370	ug/L
87-86-5	Pentachlorophenol	89	E	10	0.520	ug/L
85-01-8	Phenanthrene	46		10	1.4	ug/L
120-12-7	Anthracene	46		10	1.4	ug/L
86-74-8	Carbazole	45		10	0.240	ug/L
84-74-2	Di-n-butylphthalate	47		10	5.9	ug/L
206-44-0	Fluoranthene	45		10	0.200	ug/L
129-00-0	Pyrene	48		10	1.4	ug/L
85-68-7	Butylbenzylphthalate	49		10	0.420	ug/L
91-94-1	3,3-Dichlorobenzidine	17		10	1.1	ug/L
56-55-3	Benzo(a)anthracene	46		10	1.3	ug/L
218-01-9	Chrysene	47		10	0.260	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	49		10	1.3	ug/L
117-84-0	Di-n-octyl phthalate	51		10	0.260	ug/L
205-99-2	Benzo(b)fluoranthene	51		10	0.430	ug/L
207-08-9	Benzo(k)fluoranthene	48		10	0.300	ug/L
50-32-8	Benzo(a)pyrene	49		10	0.220	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SLCS02**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34316BS**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**1000.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020696.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	48		10	0.660	ug/L
53-70-3	Dibenz(a,h)anthracene	50		10	0.540	ug/L
191-24-2	Benzo(g,h,i)perylene	50		10	0.390	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	89.96	60 %	30 - 78		SPK: 15
13127-88-3	Phenol-d5	57.61	38 %	30 - 77		SPK: 15
4165-60-0	Nitrobenzene-d5	96.93	97 %	30 - 120		SPK: 10
321-60-8	2-Fluorobiphenyl	104.39	104 %	35 - 111		SPK: 10
118-79-6	2,4,6-Tribromophenol	146.46	98 %	27 - 118		SPK: 15
1718-51-0	Terphenyl-d14	110.3	110 %	26 - 135		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	15853	4.55			
1146-65-2	Naphthalene-d8	73649	5.73			
15067-26-2	Acenaphthene-d10	40052	7.45			
1517-22-2	Phenanthrene-d10	69061	8.92			
1719-03-5	Chrysene-d12	67073	11.54			
1520-96-3	Perylene-d12	63268	13.43			

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RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK02

Lab Name: Chemtech Contract: TRCE03

Lab Code: CHEM Case No.: Z3012 SAS No.: Z3012 SDG NO.: Z3012

Lab File ID: BF020695.D Lab Sample ID: PB34316B

Instrument ID: BNAF Date Extracted: 5/29/2008

Matrix: (soil/water) WATER Date Analyzed: 6/3/2008

Level: (low/med) LOW Time Analyzed: 19:52

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	TRC-GW3	Z3012-12	BB044581.D	6/2/2008
02	SLCS02	PB34316BS	BF020696.D	6/3/2008
03	TRC-GW1	Z3012-10	BF020700.D	6/3/2008
04	TRC-GW2	Z3012-11	BF020701.D	6/3/2008
05	TRC-GW4	Z3012-13	BF020702.D	6/3/2008
06	TRC-GW5	Z3012-14	BF020703.D	6/3/2008

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: Chemtech Contract: TRCE03

Lab Code: CHEM Case No.: Z3012 SAS No.: Z3012 SDG NO.: Z3012

Lab File ID: BA038619.D Lab Sample ID: PB34323B

Instrument ID: BNAA Date Extracted: 5/30/2008

Matrix: (soil/water) SOIL Date Analyzed: 5/30/2008

Level: (low/med) LOW Time Analyzed: 14:41

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SLCS01	PB34323BS	BA038620.D	5/30/2008
02	TRC-SB-5(1-4)	Z3012-08	BA038622.D	5/30/2008
03	TRC-SB-5(4-8)	Z3012-09	BA038623.D	5/30/2008
04	Z3031-01MS	Z3031-01MS	BA038625.D	5/30/2008
05	Z3031-01MSD	Z3031-01MSD	BA038626.D	5/30/2008
06	TRC-SB-1(4-8)	Z3012-02	BA038640.D	5/31/2008
07	TRC-SB-2(5-9)	Z3012-04	BA038641.D	5/31/2008
08	TRC-SB-4(1-4)	Z3012-07	BA038642.D	5/31/2008
09	TRC-SB-3(1-4)	Z3012-05	BA038643.D	5/31/2008
10	TRC-SB-2(1-4)	Z3012-03	BA038645.D	5/31/2008
11	TRC-SB-3(4-8)	Z3012-06	BA038646.D	5/31/2008
12	TRC-SB-1(1-4)	Z3012-01	BA038647.D	5/31/2008
13	TRC-SB-1(4-8)DL	Z3012-02DL	BA038697.D	6/3/2008
14	TRC-SB-2(5-9)DL	Z3012-04DL	BA038698.D	6/3/2008
15	TRC-SB-4(1-4)DL	Z3012-07DL	BA038699.D	6/3/2008
16	TRC-SB-1(1-4)DL	Z3012-01DL	BA038702.D	6/3/2008

COMMENTS:

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SBLK01**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34323B**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038619.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	11	U	330	11	ug/Kg
108-95-2	Phenol	9.2	U	330	9.2	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4.3	U	330	4.3	ug/Kg
95-57-8	2-Chlorophenol	9.0	U	330	9.0	ug/Kg
95-48-7	2-Methylphenol	8.8	U	330	8.8	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	14	U	330	14	ug/Kg
98-86-2	Acetophenone	9.8	U	330	9.8	ug/Kg
106-44-5	3+4-Methylphenols	10	U	330	10	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	12	U	330	12	ug/Kg
67-72-1	Hexachloroethane	11	U	330	11	ug/Kg
98-95-3	Nitrobenzene	7.8	U	330	7.8	ug/Kg
78-59-1	Isophorone	11	U	330	11	ug/Kg
88-75-5	2-Nitrophenol	12	U	330	12	ug/Kg
105-67-9	2,4-Dimethylphenol	9.9	U	330	9.9	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	7.6	U	330	7.6	ug/Kg
120-83-2	2,4-Dichlorophenol	7.8	U	330	7.8	ug/Kg
91-20-3	Naphthalene	8.0	U	330	8.0	ug/Kg
106-47-8	4-Chloroaniline	22	U	330	22	ug/Kg
87-68-3	Hexachlorobutadiene	13	U	330	13	ug/Kg
105-60-2	Caprolactam	40	U	330	40	ug/Kg
59-50-7	4-Chloro-3-methylphenol	9.7	U	330	9.7	ug/Kg
91-57-6	2-Methylnaphthalene	9.3	U	330	9.3	ug/Kg
77-47-4	Hexachlorocyclopentadiene	17	U	330	17	ug/Kg
88-06-2	2,4,6-Trichlorophenol	7.7	U	330	7.7	ug/Kg
95-95-4	2,4,5-Trichlorophenol	9.8	U	830	9.8	ug/Kg
92-52-4	1,1-Biphenyl	9.8	U	330	9.8	ug/Kg
91-58-7	2-Chloronaphthalene	8.0	U	330	8.0	ug/Kg
88-74-4	2-Nitroaniline	16	U	830	16	ug/Kg
131-11-3	Dimethylphthalate	9.6	U	330	9.6	ug/Kg
208-96-8	Acenaphthylene	4.8	U	330	4.8	ug/Kg
606-20-2	2,6-Dinitrotoluene	12	U	330	12	ug/Kg

U = Not Detected
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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SBLK01**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34323B**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038619.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	22	U	830	22	ug/Kg
83-32-9	Acenaphthene	7.1	U	330	7.1	ug/Kg
51-28-5	2,4-Dinitrophenol	18	U	830	18	ug/Kg
100-02-7	4-Nitrophenol	20	U	830	20	ug/Kg
132-64-9	Dibenzofuran	10	U	330	10	ug/Kg
121-14-2	2,4-Dinitrotoluene	11	U	330	11	ug/Kg
84-66-2	Diethylphthalate	11	U	330	11	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	13	U	330	13	ug/Kg
86-73-7	Fluorene	8.9	U	330	8.9	ug/Kg
100-01-6	4-Nitroaniline	26	U	830	26	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	45	U	830	45	ug/Kg
86-30-6	N-Nitrosodiphenylamine	25	U	330	25	ug/Kg
101-55-3	4-Bromophenyl-phenylether	15	U	330	15	ug/Kg
118-74-1	Hexachlorobenzene	10	U	330	10	ug/Kg
1912-24-9	Atrazine	23	U	330	23	ug/Kg
87-86-5	Pentachlorophenol	37	U	830	37	ug/Kg
85-01-8	Phenanthrene	10	U	330	10	ug/Kg
120-12-7	Anthracene	11	U	330	11	ug/Kg
86-74-8	Carbazole	25	U	330	25	ug/Kg
84-74-2	Di-n-butylphthalate	16	U	330	16	ug/Kg
206-44-0	Fluoranthene	8.0	U	330	8.0	ug/Kg
129-00-0	Pyrene	7.2	U	330	7.2	ug/Kg
85-68-7	Butylbenzylphthalate	21	U	330	21	ug/Kg
91-94-1	3,3-Dichlorobenzidine	25	U	330	25	ug/Kg
56-55-3	Benzo(a)anthracene	8.0	U	330	8.0	ug/Kg
218-01-9	Chrysene	6.1	U	330	6.1	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	13	U	330	13	ug/Kg
117-84-0	Di-n-octyl phthalate	12	U	330	12	ug/Kg
205-99-2	Benzo(b)fluoranthene	24	U	330	24	ug/Kg
207-08-9	Benzo(k)fluoranthene	15	U	330	15	ug/Kg
50-32-8	Benzo(a)pyrene	9.7	U	330	9.7	ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SBLK01**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34323B**	**Matrix:**	**SOIL**
Analytical Method:	**8270**	**% Moisture:**	**0**
Sample Wt/Wol:	**30.0 g**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BA038619.D	1	5/30/2008	5/30/2008	BA052108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	8.4	U	330	8.4	ug/Kg
53-70-3	Dibenz(a,h)anthracene	24	U	330	24	ug/Kg
191-24-2	Benzo(g,h,i)perylene	24	U	330	24	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111.84	75 %	23 - 104		SPK: 15
13127-88-3	Phenol-d5	112.78	75 %	29 - 104		SPK: 15
4165-60-0	Nitrobenzene-d5	80.32	80 %	28 - 110		SPK: 10
321-60-8	2-Fluorobiphenyl	78.13	78 %	32 - 109		SPK: 10
118-79-6	2,4,6-Tribromophenol	126.9	85 %	24 - 112		SPK: 15
1718-51-0	Terphenyl-d14	74.52	75 %	30 - 150		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	167846	5.82			
1146-65-2	Naphthalene-d8	609648	8.16			
15067-26-2	Acenaphthene-d10	445715	11.59			
1517-22-2	Phenanthrene-d10	777966	14.52			
1719-03-5	Chrysene-d12	886726	19.82			
1520-96-3	Perylene-d12	855925	22.49			
TENTITIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-		J	3.12		ug/Kg

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SBLK02**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34316B**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**1000.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020695.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
100-52-7	Benzaldehyde	0.270	U	10	0.270	ug/L
108-95-2	Phenol	0.550	U	10	0.550	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.280	U	10	0.280	ug/L
95-57-8	2-Chlorophenol	0.330	U	10	0.330	ug/L
95-48-7	2-Methylphenol	0.360	U	10	0.360	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	0.270	U	10	0.270	ug/L
98-86-2	Acetophenone	1.9	J	10	0.370	ug/L
106-44-5	3+4-Methylphenols	0.390	U	10	0.390	ug/L
621-64-7	N-Nitroso-di-n-propylamine	0.340	U	10	0.340	ug/L
67-72-1	Hexachloroethane	0.230	U	10	0.230	ug/L
98-95-3	Nitrobenzene	0.330	U	10	0.330	ug/L
78-59-1	Isophorone	0.260	U	10	0.260	ug/L
88-75-5	2-Nitrophenol	0.280	U	10	0.280	ug/L
105-67-9	2,4-Dimethylphenol	0.760	U	10	0.760	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.330	U	10	0.330	ug/L
120-83-2	2,4-Dichlorophenol	0.340	U	10	0.340	ug/L
91-20-3	Naphthalene	0.280	U	10	0.280	ug/L
106-47-8	4-Chloroaniline	0.920	U	10	0.920	ug/L
87-68-3	Hexachlorobutadiene	0.390	U	10	0.390	ug/L
105-60-2	Caprolactam	1.5	U	10	1.5	ug/L
59-50-7	4-Chloro-3-methylphenol	0.220	U	10	0.220	ug/L
91-57-6	2-Methylnaphthalene	0.370	U	10	0.370	ug/L
77-47-4	Hexachlorocyclopentadiene	0.560	U	10	0.560	ug/L
88-06-2	2,4,6-Trichlorophenol	0.350	U	10	0.350	ug/L
95-95-4	2,4,5-Trichlorophenol	0.380	U	10	0.380	ug/L
92-52-4	1,1-Biphenyl	0.320	U	10	0.320	ug/L
91-58-7	2-Chloronaphthalene	0.230	U	10	0.230	ug/L
88-74-4	2-Nitroaniline	0.250	U	10	0.250	ug/L
131-11-3	Dimethylphthalate	0.270	U	10	0.270	ug/L
208-96-8	Acenaphthylene	0.350	U	10	0.350	ug/L
606-20-2	2,6-Dinitrotoluene	0.350	U	10	0.350	ug/L

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J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SBLK02**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34316B**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**1000.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020695.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
99-09-2	3-Nitroaniline	0.350	U	10	0.350	ug/L
83-32-9	Acenaphthene	0.320	U	10	0.320	ug/L
51-28-5	2,4-Dinitrophenol	0.640	U	10	0.640	ug/L
100-02-7	4-Nitrophenol	1.7	U	10	1.7	ug/L
132-64-9	Dibenzofuran	0.310	U	10	0.310	ug/L
121-14-2	2,4-Dinitrotoluene	0.340	U	10	0.340	ug/L
84-66-2	Diethylphthalate	0.320	U	10	0.320	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.290	U	10	0.290	ug/L
86-73-7	Fluorene	0.280	U	10	0.280	ug/L
100-01-6	4-Nitroaniline	0.360	U	10	0.360	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.290	U	10	0.290	ug/L
86-30-6	N-Nitrosodiphenylamine	0.350	U	10	0.350	ug/L
101-55-3	4-Bromophenyl-phenylether	1.4	U	10	1.4	ug/L
118-74-1	Hexachlorobenzene	0.270	U	10	0.270	ug/L
1912-24-9	Atrazine	0.370	U	10	0.370	ug/L
87-86-5	Pentachlorophenol	0.520	U	10	0.520	ug/L
85-01-8	Phenanthrene	1.4	U	10	1.4	ug/L
120-12-7	Anthracene	1.4	U	10	1.4	ug/L
86-74-8	Carbazole	0.240	U	10	0.240	ug/L
84-74-2	Di-n-butylphthalate	5.9	U	10	5.9	ug/L
206-44-0	Fluoranthene	0.200	U	10	0.200	ug/L
129-00-0	Pyrene	1.4	U	10	1.4	ug/L
85-68-7	Butylbenzylphthalate	0.420	U	10	0.420	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	10	1.1	ug/L
56-55-3	Benzo(a)anthracene	1.3	U	10	1.3	ug/L
218-01-9	Chrysene	0.260	U	10	0.260	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.3	U	10	1.3	ug/L
117-84-0	Di-n-octyl phthalate	0.260	U	10	0.260	ug/L
205-99-2	Benzo(b)fluoranthene	0.430	U	10	0.430	ug/L
207-08-9	Benzo(k)fluoranthene	0.300	U	10	0.300	ug/L
50-32-8	Benzo(a)pyrene	0.220	U	10	0.220	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**SBLK02**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34316B**	**Matrix:**	**WATER**
Analytical Method:	**8270**	**% Moisture:**	**100**
Sample Wt/Wol:	**1000.0 mL**	**Extract Vol:**	**1000 uL**

File ID	Dilution	Date Extracted	Date Analyzed	Analytical Batch ID
BF020695.D	1	5/29/2008	6/3/2008	BF060308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
193-39-5	Indeno(1,2,3-cd)pyrene	0.660	U	10	0.660	ug/L
53-70-3	Dibenz(a,h)anthracene	0.540	U	10	0.540	ug/L
191-24-2	Benzo(g,h,i)perylene	0.390	U	10	0.390	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	93.17	62 %	30 - 78		SPK: 15
13127-88-3	Phenol-d5	58.92	39 %	30 - 77		SPK: 15
4165-60-0	Nitrobenzene-d5	98.02	98 %	30 - 120		SPK: 10
321-60-8	2-Fluorobiphenyl	105.03	105 %	35 - 111		SPK: 10
118-79-6	2,4,6-Tribromophenol	136.09	91 %	27 - 118		SPK: 15
1718-51-0	Terphenyl-d14	101.86	102 %	26 - 135		SPK: 10
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	15115	4.55			
1146-65-2	Naphthalene-d8	65845	5.73			
15067-26-2	Acenaphthene-d10	34566	7.45			
1517-22-2	Phenanthrene-d10	60217	8.92			
1719-03-5	Chrysene-d12	66958	11.54			
1520-96-3	Perylene-d12	63210	13.43			
TENTITIVE IDENTIFIED COMPOUNDS						
	ACP3.16	13	A	3.16		ug/L
108-94-1	Cyclohexanone	4.0	J	3.63		ug/L

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TABULATED ANALYTICAL RESULTS

GC EXTRACTABLES

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
Analytical Method:	**8081**	**% Moisture:**	**16**
Sample Wt/Vol:	**30 g**	**Extract Vol:**	**10000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P1012411.D	1	5/30/2008	5/30/2008	P1053008

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.17	U	2.0	0.17	ug/Kg
319-85-7	beta-BHC	0.21	U	2.0	0.21	ug/Kg
319-86-8	delta-BHC	0.21	U	2.0	0.21	ug/Kg
58-89-9	gamma-BHC (Lindane)	0.19	U	2.0	0.19	ug/Kg
76-44-8	Heptachlor	0.18	U	2.0	0.18	ug/Kg
309-00-2	Aldrin	0.19	U	2.0	0.19	ug/Kg
1024-57-3	Heptachlor epoxide	0.23	U	2.0	0.23	ug/Kg
959-98-8	Endosulfan I	0.23	U	2.0	0.23	ug/Kg
60-57-1	Dieldrin	0.23	U	2.0	0.23	ug/Kg
72-55-9	4,4'-DDE	0.23	U	2.0	0.23	ug/Kg
72-20-8	Endrin	0.68	U	2.0	0.68	ug/Kg
33213-65-9	Endosulfan II	0.24	U	2.0	0.24	ug/Kg
72-54-8	4,4'-DDD	0.32	U	2.0	0.32	ug/Kg
1031-07-8	Endosulfan sulfate	0.27	U	2.0	0.27	ug/Kg
50-29-3	4,4'-DDT	0.19	U	2.0	0.19	ug/Kg
72-43-5	Methoxychlor	0.25	U	2.0	0.25	ug/Kg
53494-70-5	Endrin ketone	0.56	U	2.0	0.56	ug/Kg
7421-93-4	Endrin aldehyde	0.24	U	2.0	0.24	ug/Kg
5103-71-9	alpha-Chlordane	0.23	U	2.0	0.23	ug/Kg
5103-74-2	gamma-Chlordane	0.21	U	2.0	0.21	ug/Kg
8001-35-2	Toxaphene	4.3	U	20	4.3	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.76	79 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	14.53	73 %	30 - 158		SPK: 20

U = Not Detected
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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
Analytical Method:	**8081**	**% Moisture:**	**11**
Sample Wt/Vol:	**30 g**	**Extract Vol:**	**10000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P1012412.D	1	5/30/2008	5/30/2008	P1053008

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.16	U	1.9	0.16	ug/Kg
319-85-7	beta-BHC	0.20	U	1.9	0.20	ug/Kg
319-86-8	delta-BHC	0.20	U	1.9	0.20	ug/Kg
58-89-9	gamma-BHC (Lindane)	0.18	U	1.9	0.18	ug/Kg
76-44-8	Heptachlor	0.17	U	1.9	0.17	ug/Kg
309-00-2	Aldrin	0.18	U	1.9	0.18	ug/Kg
1024-57-3	Heptachlor epoxide	0.21	U	1.9	0.21	ug/Kg
959-98-8	Endosulfan I	0.21	U	1.9	0.21	ug/Kg
60-57-1	Dieldrin	0.21	U	1.9	0.21	ug/Kg
72-55-9	4,4'-DDE	0.21	U	1.9	0.21	ug/Kg
72-20-8	Endrin	0.64	U	1.9	0.64	ug/Kg
33213-65-9	Endosulfan II	0.22	U	1.9	0.22	ug/Kg
72-54-8	4,4'-DDD	0.30	U	1.9	0.30	ug/Kg
1031-07-8	Endosulfan sulfate	0.26	U	1.9	0.26	ug/Kg
50-29-3	4,4'-DDT	0.18	U	1.9	0.18	ug/Kg
72-43-5	Methoxychlor	0.24	U	1.9	0.24	ug/Kg
53494-70-5	Endrin ketone	0.53	U	1.9	0.53	ug/Kg
7421-93-4	Endrin aldehyde	0.22	U	1.9	0.22	ug/Kg
5103-71-9	alpha-Chlordane	0.21	U	1.9	0.21	ug/Kg
5103-74-2	gamma-Chlordane	0.20	U	1.9	0.20	ug/Kg
8001-35-2	Toxaphene	4.0	U	19	4.0	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.4	92 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	16.5	83 %	30 - 158		SPK: 20

U = Not Detected
RL = Reporting Limit
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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
Analytical Method:	**8081**	**% Moisture:**	**10**
Sample Wt/Vol:	**30 g**	**Extract Vol:**	**10000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P1012413.D	1	5/30/2008	5/30/2008	P1053008

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.15	U	1.9	0.15	ug/Kg
319-85-7	beta-BHC	0.20	U	1.9	0.20	ug/Kg
319-86-8	delta-BHC	0.20	U	1.9	0.20	ug/Kg
58-89-9	gamma-BHC (Lindane)	0.18	U	1.9	0.18	ug/Kg
76-44-8	Heptachlor	0.17	U	1.9	0.17	ug/Kg
309-00-2	Aldrin	0.18	U	1.9	0.18	ug/Kg
1024-57-3	Heptachlor epoxide	0.21	U	1.9	0.21	ug/Kg
959-98-8	Endosulfan I	0.21	U	1.9	0.21	ug/Kg
60-57-1	Dieldrin	0.21	U	1.9	0.21	ug/Kg
72-55-9	4,4'-DDE	0.21	U	1.9	0.21	ug/Kg
72-20-8	Endrin	0.63	U	1.9	0.63	ug/Kg
33213-65-9	Endosulfan II	0.22	U	1.9	0.22	ug/Kg
72-54-8	4,4'-DDD	0.30	U	1.9	0.30	ug/Kg
1031-07-8	Endosulfan sulfate	0.25	U	1.9	0.25	ug/Kg
50-29-3	4,4'-DDT	0.18	U	1.9	0.18	ug/Kg
72-43-5	Methoxychlor	0.23	U	1.9	0.23	ug/Kg
53494-70-5	Endrin ketone	0.52	U	1.9	0.52	ug/Kg
7421-93-4	Endrin aldehyde	0.22	U	1.9	0.22	ug/Kg
5103-71-9	alpha-Chlordane	0.21	U	1.9	0.21	ug/Kg
5103-74-2	gamma-Chlordane	0.20	U	1.9	0.20	ug/Kg
8001-35-2	Toxaphene	4.0	U	19	4.0	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.21	81 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	15.63	78 %	30 - 158		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

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QUALITY CONTROL SUMMARY REPORTS

GC EXTRACTABLES

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8081

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
I.BLK	PIBLK01	Tetrachloro-m-xylene	20	20.19	101		30.00	151.00
		Decachlorobiphenyl	20	20.91	105		45.00	131.00
	PIBLK02	Tetrachloro-m-xylene	20	25.25	126		30.00	151.00
		Decachlorobiphenyl	20	26.19	131		45.00	131.00
PB34321B	PB34321B	Tetrachloro-m-xylene	20	24.58	123		30.00	158.00
		Decachlorobiphenyl	20	25.94	130		30.00	161.00
PB34321BS	PB34321BS	Tetrachloro-m-xylene	20	20.82	104		30.00	158.00
		Decachlorobiphenyl	20	24.48	122		30.00	161.00
Z3012-02	TRC-SB-1(4-8)	Tetrachloro-m-xylene	20	14.53	73		30.00	158.00
		Decachlorobiphenyl	20	15.76	79		30.00	161.00
Z3012-06	TRC-SB-3(4-8)	Tetrachloro-m-xylene	20	16.5	83		30.00	158.00
		Decachlorobiphenyl	20	18.4	92		30.00	161.00
Z3012-09	TRC-SB-5(4-8)	Tetrachloro-m-xylene	20	15.63	78		30.00	158.00
		Decachlorobiphenyl	20	16.21	81		30.00	161.00
Z3031-02MS	Z3031-02MS	Tetrachloro-m-xylene	20	23.41	117		30.00	158.00
		Decachlorobiphenyl	20	19.63	98		30.00	161.00
Z3031-02MSD	Z3031-02MSD	Tetrachloro-m-xylene	20	17.04	85		30.00	158.00
		Decachlorobiphenyl	20	11.54	58		30.00	161.00
I.BLK	PIBLK03	Tetrachloro-m-xylene	20	25.44	127		30.00	151.00
		Decachlorobiphenyl	20	26.15	131		45.00	131.00

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8081

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**Z3031-02MS**									
Z3031-02MS	alpha-BHC	16.6	0	15	90			37	154	
	gamma-BHC (Lindane)	16.6	0	17	102			48	159	
	Heptachlor	16.6	0	16	96			41	155	
	Aldrin	16.6	0	15	90			57	145	
	beta-BHC	16.6	0	15	90			51	161	
	delta-BHC	16.6	0	15	90			43	159	
	Heptachlor epoxide	16.6	0	16	96			44	160	
	Endosulfan I	16.6	0	17	102			41	169	
	gamma-Chlordane	16.6	0	16	96			61	147	
	alpha-Chlordane	16.6	0	14	84			44	156	
	4,4'-DDE	16.6	0	14	84			50	144	
	Dieldrin	16.6	0	19	114			41	154	
	Endrin	16.6	0	17	102			31	165	
	Endosulfan II	16.6	0	17	102			52	151	
	4,4'-DDD	16.6	0	17	102			35	165	
	4,4'-DDT	16.6	0	14	84			23	170	
	Endrin aldehyde	16.6	0	13	78			48	152	
	Endosulfan sulfate	16.6	0	14	84			32	162	
	Methoxychlor	16.6	0	15	90			44	163	
	Endrin ketone	16.6	0	17	102			70	141	

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8081

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**Z3031-02MSD**									
Z3031-02MSD	alpha-BHC	16.6	0	14	84	7		37	154	20
	gamma-BHC (Lindane)	16.6	0	14	84	19		48	159	50
	Heptachlor	16.6	0	12	72	29		41	155	31
	Aldrin	16.6	0	10	60	40		57	145	43
	beta-BHC	16.6	0	12	72	22		51	161	20
	delta-BHC	16.6	0	12	72	22		43	159	20
	Heptachlor epoxide	16.6	0	12	72	29		44	160	20
	Endosulfan I	16.6	0	12	72	34		41	169	20
	gamma-Chlordane	16.6	0	10	60	46	*	61	147	20
	alpha-Chlordane	16.6	0	9.9	60	33		44	156	20
	4,4'-DDE	16.6	0	8.5	51	49		50	144	20
	Dieldrin	16.6	0	12	72	45		41	154	38
	Endrin	16.6	0	12	72	34		31	165	45
	Endosulfan II	16.6	0	13	78	27		52	151	20
	4,4'-DDD	16.6	0	11	66	43		35	165	20
	4,4'-DDT	16.6	0	7.3	44	63		23	170	50
	Endrin aldehyde	16.6	0	10	60	26		48	152	20
	Endosulfan sulfate	16.6	0	12	72	15		32	162	20
	Methoxychlor	16.6	0	10	60	40		44	163	20
	Endrin ketone	16.6	0	13	78	27		70	141	20

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-02MS**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-02MS**	**Matrix:**	**SOIL**
Analytical Method:	**8081**	**% Moisture:**	**0**
Sample Wt/Vol:	**15 g**	**Extract Vol:**	**5000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P1012416.D	1	5/30/2008	5/31/2008	P1053008

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	15		1.7	0.14	ug/Kg
319-85-7	beta-BHC	15		1.7	0.18	ug/Kg
319-86-8	delta-BHC	15		1.7	0.18	ug/Kg
58-89-9	gamma-BHC (Lindane)	17		1.7	0.16	ug/Kg
76-44-8	Heptachlor	16		1.7	0.15	ug/Kg
309-00-2	Aldrin	15		1.7	0.16	ug/Kg
1024-57-3	Heptachlor epoxide	16		1.7	0.19	ug/Kg
959-98-8	Endosulfan I	17		1.7	0.19	ug/Kg
60-57-1	Dieldrin	19	P	1.7	0.19	ug/Kg
72-55-9	4,4'-DDE	14		1.7	0.19	ug/Kg
72-20-8	Endrin	17		1.7	0.57	ug/Kg
33213-65-9	Endosulfan II	17		1.7	0.20	ug/Kg
72-54-8	4,4'-DDD	17		1.7	0.27	ug/Kg
1031-07-8	Endosulfan sulfate	14		1.7	0.23	ug/Kg
50-29-3	4,4'-DDT	14	P	1.7	0.16	ug/Kg
72-43-5	Methoxychlor	15		1.7	0.21	ug/Kg
53494-70-5	Endrin ketone	17		1.7	0.47	ug/Kg
7421-93-4	Endrin aldehyde	13		1.7	0.20	ug/Kg
5103-71-9	alpha-Chlordane	14		1.7	0.19	ug/Kg
5103-74-2	gamma-Chlordane	16		1.7	0.18	ug/Kg
8001-35-2	Toxaphene	3.6	U	17	3.6	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.63	98 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	23.41	117 %	30 - 158		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-02MSD**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-02MSD**	**Matrix:**	**SOIL**
Analytical Method:	**8081**	**% Moisture:**	**0**
Sample Wt/Vol:	**15 g**	**Extract Vol:**	**5000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P1012417.D	1	5/30/2008	5/31/2008	P1053008

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	14		1.7	0.14	ug/Kg
319-85-7	beta-BHC	12		1.7	0.18	ug/Kg
319-86-8	delta-BHC	12		1.7	0.18	ug/Kg
58-89-9	gamma-BHC (Lindane)	14		1.7	0.16	ug/Kg
76-44-8	Heptachlor	12		1.7	0.15	ug/Kg
309-00-2	Aldrin	10		1.7	0.16	ug/Kg
1024-57-3	Heptachlor epoxide	12		1.7	0.19	ug/Kg
959-98-8	Endosulfan I	12		1.7	0.19	ug/Kg
60-57-1	Dieldrin	12		1.7	0.19	ug/Kg
72-55-9	4,4'-DDE	8.5		1.7	0.19	ug/Kg
72-20-8	Endrin	12		1.7	0.57	ug/Kg
33213-65-9	Endosulfan II	13		1.7	0.20	ug/Kg
72-54-8	4,4'-DDD	11		1.7	0.27	ug/Kg
1031-07-8	Endosulfan sulfate	12		1.7	0.23	ug/Kg
50-29-3	4,4'-DDT	7.3		1.7	0.16	ug/Kg
72-43-5	Methoxychlor	10		1.7	0.21	ug/Kg
53494-70-5	Endrin ketone	13		1.7	0.47	ug/Kg
7421-93-4	Endrin aldehyde	10		1.7	0.20	ug/Kg
5103-71-9	alpha-Chlordane	9.9		1.7	0.19	ug/Kg
5103-74-2	gamma-Chlordane	10		1.7	0.18	ug/Kg
8001-35-2	Toxaphene	3.6	U	17	3.6	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.54	58 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	17.04	85 %	30 - 158		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8081

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
PB34321BS	alpha-BHC	16.7	18	108			81	136	
	gamma-BHC (Lindane)	16.7	18	108			83	135	
	Heptachlor	16.7	17	102			85	132	
	Aldrin	16.7	18	108			84	133	
	beta-BHC	16.7	19	114			83	132	
	delta-BHC	16.7	18	108			77	131	
	Heptachlor epoxide	16.7	18	108			86	132	
	Endosulfan I	16.7	18	108			86	133	
	gamma-Chlordane	16.7	18	108			87	135	
	alpha-Chlordane	16.7	17	102			88	132	
	4,4'-DDE	16.7	18	108			80	130	
	Dieldrin	16.7	18	108			81	129	
	Endrin	16.7	18	108			82	134	
	Endosulfan II	16.7	18	108			85	132	
	4,4'-DDD	16.7	20	120			86	133	
	4,4'-DDT	16.7	16	96			72	141	
	Endrin aldehyde	16.7	18	108			85	134	
	Endosulfan sulfate	16.7	18	108			76	135	
	Methoxychlor	16.7	16	96			82	137	
	Endrin ketone	16.7	18	108			87	132	

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**PB34321BS**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34321BS**	**Matrix:**	**SOIL**
Analytical Method:	**8081**	**% Moisture:**	**0**
Sample Wt/Vol:	**15 g**	**Extract Vol:**	**5000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P1012407.D	1	5/30/2008	5/30/2008	P1053008

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	18		1.7	0.14	ug/Kg
319-85-7	beta-BHC	19		1.7	0.18	ug/Kg
319-86-8	delta-BHC	18		1.7	0.18	ug/Kg
58-89-9	gamma-BHC (Lindane)	18		1.7	0.16	ug/Kg
76-44-8	Heptachlor	17		1.7	0.15	ug/Kg
309-00-2	Aldrin	18		1.7	0.16	ug/Kg
1024-57-3	Heptachlor epoxide	18		1.7	0.19	ug/Kg
959-98-8	Endosulfan I	18		1.7	0.19	ug/Kg
60-57-1	Dieldrin	18		1.7	0.19	ug/Kg
72-55-9	4,4'-DDE	18		1.7	0.19	ug/Kg
72-20-8	Endrin	18		1.7	0.57	ug/Kg
33213-65-9	Endosulfan II	18		1.7	0.20	ug/Kg
72-54-8	4,4'-DDD	20		1.7	0.27	ug/Kg
1031-07-8	Endosulfan sulfate	18		1.7	0.23	ug/Kg
50-29-3	4,4'-DDT	16		1.7	0.16	ug/Kg
72-43-5	Methoxychlor	16		1.7	0.21	ug/Kg
53494-70-5	Endrin ketone	18		1.7	0.47	ug/Kg
7421-93-4	Endrin aldehyde	18		1.7	0.20	ug/Kg
5103-71-9	alpha-Chlordane	17		1.7	0.19	ug/Kg
5103-74-2	gamma-Chlordane	18		1.7	0.18	ug/Kg
8001-35-2	Toxaphene	3.6	U	17	3.6	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.48	122 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	20.82	104 %	30 - 158		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB34321B

Lab Name: Chemtech

Contract: TRC Environmental Corp., NY

Lab Code: CTECH

Case No.: Z3012

SAS No.: Z3012

SDG No.: Z3012

Lab Sample ID: PB34321B

Lab File ID: P1012406.D

Matrix: (soil/water) SOIL

Extraction: (Type) SONC

Sulfur Cleanup: (Y/N) N

Date Extracted: 5/30/2008

Date Analyzed (1): 5/30/2008

Date Analyzed (2): 5/30/2008

Time Analyzed (1): 21:29

Time Analyzed (2): 21:29

Instrument ID (1): ECD1

Instrument ID (2): ECD1

GC Column (1): RTX-1701 ID: 0.53 (mm)

GC Column (2): RTX-5 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB34321BS	PB34321BS	P1012407.D	5/30/2008	5/30/2008
TRC-SB-1(4-8)	Z3012-02	P1012411.D	5/30/2008	5/30/2008
TRC-SB-3(4-8)	Z3012-06	P1012412.D	5/30/2008	5/30/2008
TRC-SB-5(4-8)	Z3012-09	P1012413.D	5/30/2008	5/30/2008
Z3031-02MS	Z3031-02MS	P1012416.D	5/31/2008	5/31/2008
Z3031-02MSD	Z3031-02MSD	P1012417.D	5/31/2008	5/31/2008

COMMENTS:

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**PB34321B**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34321B**	**Matrix:**	**SOIL**
Analytical Method:	**8081**	**% Moisture:**	**0**
Sample Wt/Vol:	**30 g**	**Extract Vol:**	**10000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P1012406.D	1	5/30/2008	5/30/2008	P1053008

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
319-84-6	alpha-BHC	0.14	U	1.7	0.14	ug/Kg
319-85-7	beta-BHC	0.18	U	1.7	0.18	ug/Kg
319-86-8	delta-BHC	0.18	U	1.7	0.18	ug/Kg
58-89-9	gamma-BHC (Lindane)	0.16	U	1.7	0.16	ug/Kg
76-44-8	Heptachlor	0.15	U	1.7	0.15	ug/Kg
309-00-2	Aldrin	0.16	U	1.7	0.16	ug/Kg
1024-57-3	Heptachlor epoxide	0.19	U	1.7	0.19	ug/Kg
959-98-8	Endosulfan I	0.19	U	1.7	0.19	ug/Kg
60-57-1	Dieldrin	0.19	U	1.7	0.19	ug/Kg
72-55-9	4,4'-DDE	0.19	U	1.7	0.19	ug/Kg
72-20-8	Endrin	0.57	U	1.7	0.57	ug/Kg
33213-65-9	Endosulfan II	0.20	U	1.7	0.20	ug/Kg
72-54-8	4,4'-DDD	0.27	U	1.7	0.27	ug/Kg
1031-07-8	Endosulfan sulfate	0.23	U	1.7	0.23	ug/Kg
50-29-3	4,4'-DDT	0.16	U	1.7	0.16	ug/Kg
72-43-5	Methoxychlor	0.21	U	1.7	0.21	ug/Kg
53494-70-5	Endrin ketone	0.47	U	1.7	0.47	ug/Kg
7421-93-4	Endrin aldehyde	0.20	U	1.7	0.20	ug/Kg
5103-71-9	alpha-Chlordane	0.19	U	1.7	0.19	ug/Kg
5103-74-2	gamma-Chlordane	0.18	U	1.7	0.18	ug/Kg
8001-35-2	Toxaphene	3.6	U	17	3.6	ug/Kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.94	130 %	30 - 161		SPK: 20
877-09-8	Tetrachloro-m-xylene	24.58	123 %	30 - 158		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

TABULATED ANALYTICAL RESULTS

GC EXTRACTABLES

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
Analytical Method:	**8082**	**% Moisture:**	**16**
Sample Wt/Vol:	**30 g**	**Extract Vol:**	**10000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P5020093.D	1	5/30/2008	6/3/2008	P5051708

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	4.4	U	20	4.4	ug/Kg
11104-28-2	AROCLOR 1221	5.4	U	20	5.4	ug/Kg
11141-16-5	AROCLOR 1232	5.7	U	20	5.7	ug/Kg
53469-21-9	AROCLOR 1242	2.5	U	20	2.5	ug/Kg
12672-29-6	AROCLOR 1248	5.5	U	20	5.5	ug/Kg
11097-69-1	AROCLOR 1254	5.6	U	20	5.6	ug/Kg
11096-82-5	AROCLOR 1260	4.4	U	20	4.4	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	9.23	46 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	8.08	40 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
Analytical Method:	**8082**	**% Moisture:**	**11**
Sample Wt/Vol:	**30 g**	**Extract Vol:**	**10000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P5020094.D	1	5/30/2008	6/3/2008	P5051708

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	4.2	U	19	4.2	ug/Kg
11104-28-2	AROCLOR 1221	5.1	U	19	5.1	ug/Kg
11141-16-5	AROCLOR 1232	5.4	U	19	5.4	ug/Kg
53469-21-9	AROCLOR 1242	2.4	U	19	2.4	ug/Kg
12672-29-6	AROCLOR 1248	5.2	U	19	5.2	ug/Kg
11097-69-1	AROCLOR 1254	5.2	U	19	5.2	ug/Kg
11096-82-5	AROCLOR 1260	4.2	U	19	4.2	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.54	78 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	14.52	73 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
Analytical Method:	**8082**	**% Moisture:**	**10**
Sample Wt/Vol:	**30 g**	**Extract Vol:**	**10000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P5020095.D	1	5/30/2008	6/3/2008	P5051708

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	4.1	U	19	4.1	ug/Kg
11104-28-2	AROCLOR 1221	5.1	U	19	5.1	ug/Kg
11141-16-5	AROCLOR 1232	5.3	U	19	5.3	ug/Kg
53469-21-9	AROCLOR 1242	2.3	U	19	2.3	ug/Kg
12672-29-6	AROCLOR 1248	5.1	U	19	5.1	ug/Kg
11097-69-1	AROCLOR 1254	5.2	U	19	5.2	ug/Kg
11096-82-5	AROCLOR 1260	4.1	U	19	4.1	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.67	68 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	13.67	68 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

QUALITY CONTROL SUMMARY REPORTS

GC EXTRACTABLES

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8082

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
I.BLK	PIBLK01	Tetrachloro-m-xylene	20	21.63	108		42.00	133.00
		Decachlorobiphenyl	20	22.67	113		30.00	141.00
	PIBLK02	Tetrachloro-m-xylene	20	22.48	112		42.00	133.00
		Decachlorobiphenyl	20	24.09	120		30.00	141.00
Z3031-02MS	Z3031-02MS	Tetrachloro-m-xylene	20	10.17	51		44.00	141.00
		Decachlorobiphenyl	20	13.67	68		34.00	145.00
Z3031-02MSD	Z3031-02MSD	Tetrachloro-m-xylene	20	10.23	51		44.00	141.00
		Decachlorobiphenyl	20	13.71	69		34.00	145.00
I.BLK	PIBLK03	Tetrachloro-m-xylene	20	23.85	119		42.00	133.00
		Decachlorobiphenyl	20	23.8	119		30.00	141.00
	PIBLK04	Tetrachloro-m-xylene	20	16.85	84		42.00	133.00
		Decachlorobiphenyl	20	24.12	121		30.00	141.00
	PIBLK05	Tetrachloro-m-xylene	20	31.09	155	*	42.00	133.00
		Decachlorobiphenyl	20	28.85	144	*	30.00	141.00
PB34322B	PB34322B	Tetrachloro-m-xylene	20	22.11	111		44.00	141.00
		Decachlorobiphenyl	20	22.64	113		34.00	145.00
PB34322BS	PB34322BS	Tetrachloro-m-xylene	20	16.86	84		44.00	141.00
		Decachlorobiphenyl	20	17.67	88		34.00	145.00
I.BLK	PIBLK06	Tetrachloro-m-xylene	20	28.05	140	*	42.00	133.00
		Decachlorobiphenyl	20	27.88	139		30.00	141.00
	PIBLK07	Tetrachloro-m-xylene	20	26.54	133		42.00	133.00
		Decachlorobiphenyl	20	27.42	137		30.00	141.00
Z3012-02	TRC-SB-1(4-8)	Tetrachloro-m-xylene	20	9.23	46		44.00	141.00
		Decachlorobiphenyl	20	8.08	40		34.00	145.00
Z3012-06	TRC-SB-3(4-8)	Tetrachloro-m-xylene	20	15.54	78		44.00	141.00
		Decachlorobiphenyl	20	14.52	73		34.00	145.00
Z3012-09	TRC-SB-5(4-8)	Tetrachloro-m-xylene	20	13.67	68		44.00	141.00
		Decachlorobiphenyl	20	13.67	68		34.00	145.00
I.BLK	PIBLK08	Tetrachloro-m-xylene	20	23.01	115		42.00	133.00
		Decachlorobiphenyl	20	23.33	117		30.00	141.00

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **Z3012**
Client: **TRC Environmental Corp., NY**

Analytical Method: **EPA SW-846 8082**

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**Z3031-02MS**									
Z3031-02MS	AROCLOR 1016	66.5	0	40	60			55	128	
	AROCLOR 1260	66.5	0	51	77			58	140	
Client Sample ID:	**Z3031-02MSD**									
Z3031-02MSD	AROCLOR 1016	66.5	0	41	62	3		55	128	20
	AROCLOR 1260	66.5	0	57	86	11		58	140	20

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-02MS**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-02MS**	**Matrix:**	**SOIL**
Analytical Method:	**8082**	**% Moisture:**	**0**
Sample Wt/Vol:	**15 g**	**Extract Vol:**	**5000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P4014437.D	1		6/10/2008	P4061008

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	40		17	3.7	ug/Kg
11104-28-2	AROCLOR 1221	4.6	U	17	4.6	ug/Kg
11141-16-5	AROCLOR 1232	4.8	U	17	4.8	ug/Kg
53469-21-9	AROCLOR 1242	2.1	U	17	2.1	ug/Kg
12672-29-6	AROCLOR 1248	4.6	U	17	4.6	ug/Kg
11097-69-1	AROCLOR 1254	4.7	U	17	4.7	ug/Kg
11096-82-5	AROCLOR 1260	51		17	3.7	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	10.17	51 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	13.67	68 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**Z3031-02MSD**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3031-02MSD**	**Matrix:**	**SOIL**
Analytical Method:	**8082**	**% Moisture:**	**0**
Sample Wt/Vol:	**15 g**	**Extract Vol:**	**5000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P4014438.D	1		6/10/2008	P4061008

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	41		17	3.7	ug/Kg
11104-28-2	AROCLOR 1221	4.6	U	17	4.6	ug/Kg
11141-16-5	AROCLOR 1232	4.8	U	17	4.8	ug/Kg
53469-21-9	AROCLOR 1242	2.1	U	17	2.1	ug/Kg
12672-29-6	AROCLOR 1248	4.6	U	17	4.6	ug/Kg
11097-69-1	AROCLOR 1254	4.7	U	17	4.7	ug/Kg
11096-82-5	AROCLOR 1260	57		17	3.7	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	10.23	51 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	13.71	69 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 8082

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
PB34322BS	AROCLOR 1016	66.6	62	93			67	121	
	AROCLOR 1260	66.6	58	87			78	128	

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**PB34322BS**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34322BS**	**Matrix:**	**SOIL**
Analytical Method:	**8082**	**% Moisture:**	**0**
Sample Wt/Vol:	**15 g**	**Extract Vol:**	**5000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P5020074.D	1	5/30/2008	6/2/2008	P5051708

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	62		17	3.7	ug/Kg
11104-28-2	AROCLOR 1221	4.6	U	17	4.6	ug/Kg
11141-16-5	AROCLOR 1232	4.8	U	17	4.8	ug/Kg
53469-21-9	AROCLOR 1242	2.1	U	17	2.1	ug/Kg
12672-29-6	AROCLOR 1248	4.6	U	17	4.6	ug/Kg
11097-69-1	AROCLOR 1254	4.7	U	17	4.7	ug/Kg
11096-82-5	AROCLOR 1260	58		17	3.7	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.86	84 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	17.67	88 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

4C

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB34322B

Lab Name: Chemtech

Contract: TRC Environmental Corp., NY

Lab Code: CTECH

Case No.: Z3012

SAS No.: Z3012

SDG No.: Z3012

Lab Sample ID: PB34322B

Lab File ID: P5020073.D

Matrix: (soil/water) SOIL

Extraction: (Type) SONC

Sulfur Cleanup: (Y/N) N

Date Extracted: 5/30/2008

Date Analyzed (1): 6/2/2008

Date Analyzed (2): 6/2/2008

Time Analyzed (1): 16:04

Time Analyzed (2): 16:04

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): RTX-CLPes ID: 0.32 (mm)

GC Column (2): RTX-CLPest ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
Z3031-02MS	Z3031-02MS	P4014437.D	6/10/2008	6/10/2008
Z3031-02MSD	Z3031-02MSD	P4014438.D	6/10/2008	6/10/2008
PB34322BS	PB34322BS	P5020074.D	6/2/2008	6/2/2008
TRC-SB-1(4-8)	Z3012-02	P5020093.D	6/3/2008	6/3/2008
TRC-SB-3(4-8)	Z3012-06	P5020094.D	6/3/2008	6/3/2008
TRC-SB-5(4-8)	Z3012-09	P5020095.D	6/3/2008	6/3/2008

COMMENTS:

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**PB34322B**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34322B**	**Matrix:**	**SOIL**
Analytical Method:	**8082**	**% Moisture:**	**0**
Sample Wt/Vol:	**30 g**	**Extract Vol:**	**10000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P5020073.D	1	5/30/2008	6/2/2008	P5051708

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	3.7	U	17	3.7	ug/Kg
11104-28-2	AROCLOR 1221	4.6	U	17	4.6	ug/Kg
11141-16-5	AROCLOR 1232	4.8	U	17	4.8	ug/Kg
53469-21-9	AROCLOR 1242	2.1	U	17	2.1	ug/Kg
12672-29-6	AROCLOR 1248	4.6	U	17	4.6	ug/Kg
11097-69-1	AROCLOR 1254	4.7	U	17	4.7	ug/Kg
11096-82-5	AROCLOR 1260	3.7	U	17	3.7	ug/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.11	111 %	44 - 141		SPK: 20
2051-24-3	Decachlorobiphenyl	22.64	113 %	34 - 145		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

TABULATED ANALYTICAL RESULTS

GC EXTRACTABLES

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5 (NYCDEP)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-15**	**Matrix:**	**WATER**
Analytical Method:	**608 PCB**	**% Moisture:**	**100**
Sample Wt/Vol:	**960 mL**	**Extract Vol:**	**1000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P5020096.D	1	5/30/2008	6/3/2008	P5051708

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	0.0083	U	0.05	0.0083	ug/L
11104-28-2	AROCLOR 1221	0.064	U	0.10	0.064	ug/L
11141-16-5	AROCLOR 1232	0.012	U	0.05	0.012	ug/L
53469-21-9	AROCLOR 1242	0.03	U	0.05	0.03	ug/L
12672-29-6	AROCLOR 1248	0.012	U	0.05	0.012	ug/L
11097-69-1	AROCLOR 1254	0.021	U	0.05	0.021	ug/L
11096-82-5	AROCLOR 1260	0.012	U	0.05	0.012	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	9.31	47 %	40 - 135		SPK: 20
2051-24-3	Decachlorobiphenyl	13.69	68 %	42 - 133		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH

QUALITY CONTROL SUMMARY REPORTS

GC EXTRACTABLES

Surrogate Summary
SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 608 PCB

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
I.BLK	PIBLK01	Tetrachloro-m-xylene	20	16.85	84		40.00	135.00
		Decachlorobiphenyl	20	24.12	121		42.00	133.00
	PIBLK02	Tetrachloro-m-xylene	20	31.09	155	*	40.00	135.00
		Decachlorobiphenyl	20	28.85	144	*	42.00	133.00
PB34318B	PB34318B	Tetrachloro-m-xylene	20	23.12	116		40.00	135.00
		Decachlorobiphenyl	20	21.42	107		42.00	133.00
PB34318BS	PB34318BS	Tetrachloro-m-xylene	20	17.8	89		40.00	135.00
		Decachlorobiphenyl	20	18.43	92		42.00	133.00
I.BLK	PIBLK03	Tetrachloro-m-xylene	20	28.05	140		40.00	135.00
		Decachlorobiphenyl	20	27.88	139		42.00	133.00
	PIBLK04	Tetrachloro-m-xylene	20	26.54	133		40.00	135.00
		Decachlorobiphenyl	20	27.42	137	*	42.00	133.00
Z3012-15	TRC-GW5 (NYCDEP	Tetrachloro-m-xylene	20	9.31	47		40.00	135.00
		Decachlorobiphenyl	20	13.69	68		42.00	133.00
I.BLK	PIBLK05	Tetrachloro-m-xylene	20	23.01	115		40.00	135.00
		Decachlorobiphenyl	20	23.33	117		42.00	133.00

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Z3012
Client: TRC Environmental Corp., NY

Analytical Method: EPA SW-846 608 PCB

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
PB34318BS	AROCLOR 1016	0.05	0.04	80			50	114	
	AROCLOR 1260	0.05	0.04	80			8	127	

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**PB34318BS**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34318BS**	**Matrix:**	**WATER**
Analytical Method:	**608 PCB**	**% Moisture:**	**100**
Sample Wt/Vol:	**1000 mL**	**Extract Vol:**	**1000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P5020076.D	1	5/30/2008	6/2/2008	P5051708

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	0.04	J	0.05	0.008	ug/L
11104-28-2	AROCLOR 1221	0.061	U	0.10	0.061	ug/L
11141-16-5	AROCLOR 1232	0.012	U	0.05	0.012	ug/L
53469-21-9	AROCLOR 1242	0.029	U	0.05	0.029	ug/L
12672-29-6	AROCLOR 1248	0.012	U	0.05	0.012	ug/L
11097-69-1	AROCLOR 1254	0.02	U	0.05	0.02	ug/L
11096-82-5	AROCLOR 1260	0.04	JP	0.05	0.012	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.8	89 %	40 - 135		SPK: 20
2051-24-3	Decachlorobiphenyl	18.43	92 %	42 - 133		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB34318B

Lab Name: Chemtech

Contract: TRC Environmental Corp., NY

Lab Code: CHEM

Case No.: Z3012

SAS No.: Z3012

SDG No.: Z3012

Lab Sample ID: PB34318B

Lab File ID: P5020075.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 5/30/2008

Date Analyzed (1): 6/2/2008

Date Analyzed (2): 6/2/2008

Time Analyzed (1): 16:40

Time Analyzed (2): 16:40

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): RTX-CLPes ID: 0.32 (mm)

GC Column (2): RTX-CLPest ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB34318BS	PB34318BS	P5020076.D	6/2/2008	6/2/2008
TRC-GW5 (NYCDEP)	Z3012-15	P5020096.D	6/3/2008	6/3/2008

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	
Client Sample ID:	**PB34318B**	**SDG No.:**	**Z3012**
Lab Sample ID:	**PB34318B**	**Matrix:**	**WATER**
Analytical Method:	**608 PCB**	**% Moisture:**	**100**
Sample Wt/Vol:	**1000 mL**	**Extract Vol:**	**1000 uL**

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P5020075.D	1	5/30/2008	6/2/2008	P5051708

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
12674-11-2	AROCLOR 1016	0.008	U	0.05	0.008	ug/L
11104-28-2	AROCLOR 1221	0.061	U	0.10	0.061	ug/L
11141-16-5	AROCLOR 1232	0.012	U	0.05	0.012	ug/L
53469-21-9	AROCLOR 1242	0.029	U	0.05	0.029	ug/L
12672-29-6	AROCLOR 1248	0.012	U	0.05	0.012	ug/L
11097-69-1	AROCLOR 1254	0.02	U	0.05	0.02	ug/L
11096-82-5	AROCLOR 1260	0.012	U	0.05	0.012	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.12	116 %	40 - 135		SPK: 20
2051-24-3	Decachlorobiphenyl	21.42	107 %	42 - 133		SPK: 20

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

TABULATED ANALYTICAL RESULTS

METALS ANALYSIS

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-01**	**Matrix:**	**SOIL**
		% Solids:	**85.50**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	14.2		mg/Kg	0.139	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	159		mg/Kg	1.130	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	2.660		mg/Kg	0.077	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	30.6		mg/Kg	0.124	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	322		mg/Kg	0.341	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.289		mg/Kg	0.008	1	5/30/2008	6/2/2008	EPA SW-846 7471
7782-49-2	Selenium	0.635	U	mg/Kg	0.635	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	0.163	U	mg/Kg	0.163	1	5/30/2008	6/2/2008	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
		% Solids:	**84.10**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	1.520		mg/Kg	0.143	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	131		mg/Kg	1.160	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	2.200		mg/Kg	0.079	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	44.5		mg/Kg	0.127	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	28.0		mg/Kg	0.349	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.047		mg/Kg	0.008	1	5/30/2008	6/2/2008	EPA SW-846 7471
7782-49-2	Selenium	0.650	U	mg/Kg	0.650	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	0.166	U	mg/Kg	0.166	1	5/30/2008	6/2/2008	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-03**	**Matrix:**	**SOIL**
		% Solids:	**83.30**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	16.6		mg/Kg	0.144	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	265		mg/Kg	1.170	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	2.420		mg/Kg	0.080	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	26.8		mg/Kg	0.128	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	473		mg/Kg	0.352	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.574		mg/Kg	0.008	1	5/30/2008	6/2/2008	EPA SW-846 7471
7782-49-2	Selenium	0.656	U	mg/Kg	0.656	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	0.168	U	mg/Kg	0.168	1	5/30/2008	6/2/2008	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-2(5-9)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-04**	**Matrix:**	**SOIL**
		% Solids:	**84.90**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	7.860		mg/Kg	0.141	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	1720		mg/Kg	1.150	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	1.530		mg/Kg	0.079	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	20.4		mg/Kg	0.126	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	3440		mg/Kg	0.346	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.317		mg/Kg	0.008	1	5/30/2008	6/2/2008	EPA SW-846 7471
7782-49-2	Selenium	0.644	U	mg/Kg	0.644	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	0.165	U	mg/Kg	0.165	1	5/30/2008	6/2/2008	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-05**	**Matrix:**	**SOIL**
		% Solids:	**86.80**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	22.1		mg/Kg	0.136	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	289		mg/Kg	1.110	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	6.030		mg/Kg	0.076	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	20.6		mg/Kg	0.121	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	1300		mg/Kg	0.333	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.510		mg/Kg	0.008	1	5/30/2008	6/2/2008	EPA SW-846 7471
7782-49-2	Selenium	0.622	U	mg/Kg	0.622	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	0.159	U	mg/Kg	0.159	1	5/30/2008	6/2/2008	EPA SW-846 6010

Comments:

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J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
		% Solids:	**89.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	2.000		mg/Kg	0.134	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	70.4		mg/Kg	1.090	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	0.979		mg/Kg	0.074	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	10.2		mg/Kg	0.119	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	18.3		mg/Kg	0.327	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.019		mg/Kg	0.008	1	5/30/2008	6/2/2008	EPA SW-846 7471
7782-49-2	Selenium	0.610	U	mg/Kg	0.610	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	0.156	U	mg/Kg	0.156	1	5/30/2008	6/2/2008	EPA SW-846 6010

Comments:

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-4(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-07**	**Matrix:**	**SOIL**
		% Solids:	**94.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	3.610		mg/Kg	0.126	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	85.0		mg/Kg	1.020	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	3.120		mg/Kg	0.070	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	17.8		mg/Kg	0.112	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	66.5		mg/Kg	0.308	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.081		mg/Kg	0.007	1	5/30/2008	6/2/2008	EPA SW-846 7471
7782-49-2	Selenium	0.574	U	mg/Kg	0.574	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	0.147	U	mg/Kg	0.147	1	5/30/2008	6/2/2008	EPA SW-846 6010

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(1-4)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-08**	**Matrix:**	**SOIL**
		% Solids:	**83.70**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	2.120		mg/Kg	0.143	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	141		mg/Kg	1.160	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	2.480		mg/Kg	0.080	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	44.6		mg/Kg	0.127	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	15.3		mg/Kg	0.350	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.016		mg/Kg	0.008	1	5/30/2008	6/2/2008	EPA SW-846 7471
7782-49-2	Selenium	0.653	U	mg/Kg	0.653	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	0.167	U	mg/Kg	0.167	1	5/30/2008	6/2/2008	EPA SW-846 6010

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
		% Solids:	**90.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	0.160	J	mg/Kg	0.133	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	124		mg/Kg	1.080	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	2.000		mg/Kg	0.074	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	40.6		mg/Kg	0.119	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	9.390		mg/Kg	0.326	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.008	U	mg/Kg	0.008	1	5/30/2008	6/2/2008	EPA SW-846 7471
7782-49-2	Selenium	0.607	U	mg/Kg	0.607	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	0.156	U	mg/Kg	0.156	1	5/30/2008	6/2/2008	EPA SW-846 6010

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW1**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-10**	**Matrix:**	**WATER**
		% Solids:	**0.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	5.400	U	ug/L	5.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	90.1		ug/L	11.2	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	0.900	U	ug/L	0.900	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	2.390	J	ug/L	1.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	3.100	U	ug/L	3.100	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.06	U	ug/L	0.06	1	5/30/2008	5/30/2008	EPA SW-846 7470
7782-49-2	Selenium	4.500	U	ug/L	4.500	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	2.710	J	ug/L	1.700	1	5/30/2008	6/2/2008	EPA SW-846 6010

Comments:

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW2**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-11**	**Matrix:**	**WATER**
		% Solids:	**0.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	5.400	U	ug/L	5.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	77.8		ug/L	11.2	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	0.900	U	ug/L	0.900	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	1.400	U	ug/L	1.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	47.4		ug/L	3.100	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.06	U	ug/L	0.06	1	5/30/2008	5/30/2008	EPA SW-846 7470
7782-49-2	Selenium	6.650	J	ug/L	4.500	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	1.700	U	ug/L	1.700	1	5/30/2008	6/2/2008	EPA SW-846 6010

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW3**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-12**	**Matrix:**	**WATER**
		% Solids:	**0.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	5.400	U	ug/L	5.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	37.7	J	ug/L	11.2	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	0.900	U	ug/L	0.900	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	2.030	J	ug/L	1.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	3.100	U	ug/L	3.100	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.06	U	ug/L	0.06	1	5/30/2008	5/30/2008	EPA SW-846 7470
7782-49-2	Selenium	5.640	J	ug/L	4.500	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	2.510	J	ug/L	1.700	1	5/30/2008	6/2/2008	EPA SW-846 6010

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW4**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-13**	**Matrix:**	**WATER**
		% Solids:	**0.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	5.400	U	ug/L	5.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	64.8		ug/L	11.2	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	0.900	U	ug/L	0.900	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	1.400	U	ug/L	1.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	3.100	U	ug/L	3.100	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.06	U	ug/L	0.06	1	5/30/2008	5/30/2008	EPA SW-846 7470
7782-49-2	Selenium	4.500	U	ug/L	4.500	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	1.700	U	ug/L	1.700	1	5/30/2008	6/2/2008	EPA SW-846 6010

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-14**	**Matrix:**	**WATER**
		% Solids:	**0.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	5.400	U	ug/L	5.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-39-3	Barium	73.0		ug/L	11.2	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-43-9	Cadmium	0.900	U	ug/L	0.900	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-47-3	Chromium	1.400	U	ug/L	1.400	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-92-1	Lead	3.100	U	ug/L	3.100	1	5/30/2008	6/2/2008	EPA SW-846 6010
7439-97-6	Mercury	0.06	U	ug/L	0.06	1	5/30/2008	5/30/2008	EPA SW-846 7470
7782-49-2	Selenium	4.500	U	ug/L	4.500	1	5/30/2008	6/2/2008	EPA SW-846 6010
7440-22-4	Silver	1.720	J	ug/L	1.700	1	5/30/2008	6/2/2008	EPA SW-846 6010

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CHEMTECH

QUALITY CONTROL SUMMARY REPORTS

METALS ANALYSIS

METALS

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
ICB01										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	5/30/2008	08:57	LB38647
	Barium	11.2	+/-50.0	U	11.2	50.0	P	5/30/2008	08:57	LB38647
	Cadmium	-1.9	+/-3.0	J	0.9	3.0	P	5/30/2008	08:57	LB38647
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	5/30/2008	08:57	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	08:57	LB38647
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	5/30/2008	08:57	LB38647
	Silver	3.1	+/-5.0	J	1.7	5.0	P	5/30/2008	08:57	LB38647
CCB01										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	5/30/2008	09:09	LB38647
	Barium	11.2	+/-50.0	U	11.2	50.0	P	5/30/2008	09:09	LB38647
	Cadmium	-2.3	+/-3.0	J	0.9	3.0	P	5/30/2008	09:09	LB38647
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	5/30/2008	09:09	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	09:09	LB38647
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	5/30/2008	09:09	LB38647
	Silver	1.7	+/-5.0	U	1.7	5.0	P	5/30/2008	09:09	LB38647
CCB02										
	Arsenic	-6.2	+/-10.0	J	5.4	10.0	P	5/30/2008	09:18	LB38647
	Barium	11.2	+/-50.0	U	11.2	50.0	P	5/30/2008	09:18	LB38647
	Cadmium	-2.3	+/-3.0	J	0.9	3.0	P	5/30/2008	09:18	LB38647
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	5/30/2008	09:18	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	09:18	LB38647
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	5/30/2008	09:18	LB38647
	Silver	1.7	+/-5.0	U	1.7	5.0	P	5/30/2008	09:18	LB38647

METALS

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB03										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	5/30/2008	10:05	LB38647
	Barium	11.2	+/-50.0	U	11.2	50.0	P	5/30/2008	10:05	LB38647
	Cadmium	-1.9	+/-3.0	J	0.9	3.0	P	5/30/2008	10:05	LB38647
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	5/30/2008	10:05	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	10:05	LB38647
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	5/30/2008	10:05	LB38647
	Silver	1.8	+/-5.0	J	1.7	5.0	P	5/30/2008	10:05	LB38647
CCB04										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	5/30/2008	10:33	LB38647
	Barium	11.2	+/-50.0	U	11.2	50.0	P	5/30/2008	10:33	LB38647
	Cadmium	-2.6	+/-3.0	J	0.9	3.0	P	5/30/2008	10:33	LB38647
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	5/30/2008	10:33	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	10:33	LB38647
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	5/30/2008	10:33	LB38647
	Silver	1.7	+/-5.0	U	1.7	5.0	P	5/30/2008	10:33	LB38647
CCB05										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	5/30/2008	11:00	LB38647
	Barium	11.2	+/-50.0	U	11.2	50.0	P	5/30/2008	11:00	LB38647
	Cadmium	-2.5	+/-3.0	J	0.9	3.0	P	5/30/2008	11:00	LB38647
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	5/30/2008	11:00	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	11:00	LB38647
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	5/30/2008	11:00	LB38647
	Silver	1.9	+/-5.0	J	1.7	5.0	P	5/30/2008	11:00	LB38647

METALS

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB06										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	5/30/2008	11:36	LB38647
	Barium	11.2	+/-50.0	U	11.2	50.0	P	5/30/2008	11:36	LB38647
	Cadmium	-2.4	+/-3.0	J	0.9	3.0	P	5/30/2008	11:36	LB38647
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	5/30/2008	11:36	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	11:36	LB38647
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	5/30/2008	11:36	LB38647
	Silver	2.0	+/-5.0	J	1.7	5.0	P	5/30/2008	11:36	LB38647
CCB07										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	5/30/2008	13:07	LB38647
	Barium	11.2	+/-50.0	U	11.2	50.0	P	5/30/2008	13:07	LB38647
	Cadmium	-2.3	+/-3.0	J	0.9	3.0	P	5/30/2008	13:07	LB38647
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	5/30/2008	13:07	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	13:07	LB38647
	Selenium	-4.6	+/-10.0	J	4.5	10.0	P	5/30/2008	13:07	LB38647
	Silver	2.0	+/-5.0	J	1.7	5.0	P	5/30/2008	13:07	LB38647
CCB08										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	5/30/2008	14:07	LB38647
	Barium	11.2	+/-50.0	U	11.2	50.0	P	5/30/2008	14:07	LB38647
	Cadmium	-2.3	+/-3.0	J	0.9	3.0	P	5/30/2008	14:07	LB38647
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	5/30/2008	14:07	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	14:07	LB38647
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	5/30/2008	14:07	LB38647
	Silver	1.7	+/-5.0	U	1.7	5.0	P	5/30/2008	14:07	LB38647

METALS

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB09										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	5/30/2008	15:16	LB38647
	Barium	-12.3	+/-50.0	J	11.2	50.0	P	5/30/2008	15:16	LB38647
	Cadmium	0.9	+/-3.0	U	0.9	3.0	P	5/30/2008	15:16	LB38647
	Chromium	-3.6	+/-5.0	J	1.4	5.0	P	5/30/2008	15:16	LB38647
	Lead	3.1	+/-6.0	U	3.1	6.0	P	5/30/2008	15:16	LB38647
	Selenium	-7.1	+/-10.0	J	4.5	10.0	P	5/30/2008	15:16	LB38647
	Silver	1.7	+/-5.0	U	1.7	5.0	P	5/30/2008	15:16	LB38647
ICB01										
	Mercury	0.06	+/-0.20	U	0.06	0.20	CV	5/30/2008	14:44	LB38667
CCB01										
	Mercury	0.06	+/-0.20	U	0.06	0.20	CV	5/30/2008	14:48	LB38667
CCB02										
	Mercury	0.06	+/-0.20	U	0.06	0.20	CV	5/30/2008	15:09	LB38667
CCB03										
	Mercury	0.06	+/-0.20	U	0.06	0.20	CV	5/30/2008	15:29	LB38667
CCB04										
	Mercury	0.06	+/-0.20	U	0.06	0.20	CV	5/30/2008	15:51	LB38667
CCB05										
	Mercury	0.06	+/-0.20	U	0.06	0.20	CV	5/30/2008	16:11	LB38667
CCB06										
	Mercury	0.06	+/-0.20	U	0.06	0.20	CV	5/30/2008	16:25	LB38667

METALS

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
ICB01										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	08:16	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	08:16	LB38673
	Cadmium	-2.1	+/-3.0	J	0.9	3.0	P	6/2/2008	08:16	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	08:16	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	08:16	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	08:16	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	08:16	LB38673
CCB01										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	08:37	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	08:37	LB38673
	Cadmium	-2.0	+/-3.0	J	0.9	3.0	P	6/2/2008	08:37	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	08:37	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	08:37	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	08:37	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	08:37	LB38673
CCB02										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	09:20	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	09:20	LB38673
	Cadmium	-2.2	+/-3.0	J	0.9	3.0	P	6/2/2008	09:20	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	09:20	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	09:20	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	09:20	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	09:20	LB38673

METALS

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB03										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	09:49	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	09:49	LB38673
	Cadmium	-2.0	+/-3.0	J	0.9	3.0	P	6/2/2008	09:49	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	09:49	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	09:49	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	09:49	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	09:49	LB38673
CCB04										
	Arsenic	-6.3	+/-10.0	J	5.4	10.0	P	6/2/2008	10:59	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	10:59	LB38673
	Cadmium	-2.3	+/-3.0	J	0.9	3.0	P	6/2/2008	10:59	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	10:59	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	10:59	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	10:59	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	10:59	LB38673
CCB05										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	12:43	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	12:43	LB38673
	Cadmium	-2.2	+/-3.0	J	0.9	3.0	P	6/2/2008	12:43	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	12:43	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	12:43	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	12:43	LB38673
	Silver	2.0	+/-5.0	J	1.7	5.0	P	6/2/2008	12:43	LB38673

METALS

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB06										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	13:18	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	13:18	LB38673
	Cadmium	-1.5	+/-3.0	J	0.9	3.0	P	6/2/2008	13:18	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	13:18	LB38673
	Lead	3.5	+/-6.0	J	3.1	6.0	P	6/2/2008	13:18	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	13:18	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	13:18	LB38673
CCB07										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	13:56	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	13:56	LB38673
	Cadmium	-1.8	+/-3.0	J	0.9	3.0	P	6/2/2008	13:56	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	13:56	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	13:56	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	13:56	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	13:56	LB38673
CCB08										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	14:39	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	14:39	LB38673
	Cadmium	-2.0	+/-3.0	J	0.9	3.0	P	6/2/2008	14:39	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	14:39	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	14:39	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	14:39	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	14:39	LB38673

METALS

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB09										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	16:23	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	16:23	LB38673
	Cadmium	-2.3	+/-3.0	J	0.9	3.0	P	6/2/2008	16:23	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	16:23	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	16:23	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	16:23	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	16:23	LB38673
CCB10										
	Arsenic	5.4	+/-10.0	U	5.4	10.0	P	6/2/2008	16:56	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	16:56	LB38673
	Cadmium	-1.5	+/-3.0	J	0.9	3.0	P	6/2/2008	16:56	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	16:56	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	16:56	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	16:56	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	16:56	LB38673
CCB11										
	Arsenic	-5.6	+/-10.0	J	5.4	10.0	P	6/2/2008	17:34	LB38673
	Barium	11.2	+/-50.0	U	11.2	50.0	P	6/2/2008	17:34	LB38673
	Cadmium	-2.3	+/-3.0	J	0.9	3.0	P	6/2/2008	17:34	LB38673
	Chromium	1.4	+/-5.0	U	1.4	5.0	P	6/2/2008	17:34	LB38673
	Lead	3.1	+/-6.0	U	3.1	6.0	P	6/2/2008	17:34	LB38673
	Selenium	4.5	+/-10.0	U	4.5	10.0	P	6/2/2008	17:34	LB38673
	Silver	1.7	+/-5.0	U	1.7	5.0	P	6/2/2008	17:34	LB38673
ICB01										
	Mercury	0.063	+/-0.200	U	0.063	0.200	CV	6/2/2008	12:04	LB38678
CCB01										
	Mercury	0.063	+/-0.200	U	0.063	0.200	CV	6/2/2008	12:08	LB38678

METALS

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB02										
	Mercury	0.063	+/-0.200	U	0.063	0.200	CV	6/2/2008	12:29	LB38678
CCB03										
	Mercury	0.063	+/-0.200	U	0.063	0.200	CV	6/2/2008	12:49	LB38678
CCB04										
	Mercury	0.063	+/-0.200	U	0.063	0.200	CV	6/2/2008	13:09	LB38678
CCB05										
	Mercury	0.063	+/-0.200	U	0.063	0.200	CV	6/2/2008	13:25	LB38678
CCB06										
	Mercury	0.063	+/-0.200	U	0.063	0.200	CV	6/2/2008	14:00	LB38678

METALS
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PREPARATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Instrument: P1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	MDL mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB34339BL		**SOIL**		**Batch Number:**	**PB34339**			**Prep Date:**	**5/30/2008**	
	Arsenic	-0.645	<1.000	J	0.180	1.000	P	5/30/2008	13:30	LB38647
	Barium	-0.630	<5.000	U	1.460	5.000	P	5/30/2008	13:30	LB38647
	Cadmium	-0.265	<0.300	J	0.100	0.300	P	5/30/2008	13:30	LB38647
	Chromium	0.005	<0.500	U	0.160	0.500	P	5/30/2008	13:30	LB38647
	Lead	-0.279	<0.600	U	0.440	0.600	P	5/30/2008	13:30	LB38647
	Selenium	-0.560	<1.000	U	0.820	1.000	P	5/30/2008	13:30	LB38647
	Silver	0.149	<0.500	U	0.210	0.500	P	5/30/2008	13:30	LB38647
PB34340BL		**WATER**		**Batch Number:**	**PB34340**			**Prep Date:**	**5/30/2008**	
	Arsenic	-6.480	<10.000	J	5.400	10.000	P	6/2/2008	10:49	LB38673
	Barium	-5.280	<50.000	U	11.200	50.000	P	6/2/2008	10:49	LB38673
	Cadmium	-2.330	<3.000	J	0.900	3.000	P	6/2/2008	10:49	LB38673
	Chromium	1.190	<5.000	U	1.400	5.000	P	6/2/2008	10:49	LB38673
	Lead	-2.270	<6.000	U	3.100	6.000	P	6/2/2008	10:49	LB38673
	Selenium	-3.020	<10.000	U	4.500	10.000	P	6/2/2008	10:49	LB38673
	Silver	3.730	<5.000	J	1.700	5.000	P	6/2/2008	10:49	LB38673
PB34329BL		**SOIL**		**Batch Number:**	**PB34329**			**Prep Date:**	**5/30/2008**	
	Mercury	0.002	<0.010	U	0.007	0.010	CV	6/2/2008	12:17	LB38678
PB34328BL		**WATER**		**Batch Number:**	**PB34328**			**Prep Date:**	**5/30/2008**	
	Mercury	-0.047	<0.200	U	0.063	0.200	CV	5/30/2008	14:56	LB38667

METALS
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MATRIX SPIKE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: SOIL **Sample ID:** Z2970-02 **Client ID:** EQ-SB015(25-27)S

Percent Solids for Sample: 90.80 **Spiked ID:** Z2970-02S **Percent Solids for Spike Sample:** 90.80

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	75 - 125	0.1927		0.0077	U	0.22	87.6		CV

METALS
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MATRIX SPIKE DUPLICATE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: SOIL **Sample ID:** Z2970-02 **Client ID:** EQ-SB015(25-27)SD

Percent Solids for Sample: 90.80 **Spiked ID:** Z2970-02SD **Percent Solids for Spike Sample:** 90.80

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	75 - 125	0.1982		0.0077	U	0.22	90.1		CV

METALS
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MATRIX SPIKE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: SOIL **Sample ID:** Z3031-01 **Client ID:** HPMB-01NS

Percent Solids for Sample: 67.30 **Spiked ID:** Z3031-01S **Percent Solids for Spike Sample:** 67.30

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	75 - 125	89.9881		9.1105		79.25	102.1		P
Barium	mg/Kg	75 - 125	46.0535		26.5627		19.81	98.4		P
Cadmium	mg/Kg	75 - 125	23.2630		1.3809		19.81	110.5		P
Chromium	mg/Kg	75 - 125	73.6018		29.9733		39.62	110.1		P
Lead	mg/Kg	75 - 125	139.8821		30.7786		99.06	110.1		P
Selenium	mg/Kg	75 - 125	189.7266		0.8123	U	198.12	95.8		P
Silver	mg/Kg	75 - 125	8.0287		0.2080	U	7.43	108.1		P

METALS
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MATRIX SPIKE DUPLICATE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: SOIL **Sample ID:** Z3031-01 **Client ID:** HPMB-01NSD

Percent Solids for Sample: 67.30 **Spiked ID:** Z3031-01SD **Percent Solids for Spike Sample:** 67.30

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	75 - 125	85.6622		9.1105		79.25	96.6		P
Barium	mg/Kg	75 - 125	42.9411		26.5627		19.81	82.7		P
Cadmium	mg/Kg	75 - 125	21.6810		1.3809		19.81	102.5		P
Chromium	mg/Kg	75 - 125	68.5656		29.9733		39.62	97.4		P
Lead	mg/Kg	75 - 125	132.2348		30.7786		99.06	102.4		P
Selenium	mg/Kg	75 - 125	180.1803		0.8123	U	198.12	90.9		P
Silver	mg/Kg	75 - 125	6.7717		0.2080	U	7.43	91.1		P

METALS
- 5a -
MATRIX SPIKE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z3011-08 **Client ID:** MW-1AS

Percent Solids for Sample: 0.00 **Spiked ID:** Z3011-08S **Percent Solids for Spike Sample:** 0.00

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.1700		0.0630	U	4.00	79.2		CV

METALS
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z3011-08 **Client ID:** MW-1ASD

Percent Solids for Sample: 0.00 **Spiked ID:** Z3011-08SD **Percent Solids for Spike Sample:** 0.00

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.1700		0.0630	U	4.00	79.2		CV

METALS
- 5a -
MATRIX SPIKE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z3012-14 **Client ID:** TRC-GW5S

Percent Solids for Sample: 0.00 **Spiked ID:** Z3012-14S **Percent Solids for Spike Sample:** 0.00

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	699.4000		5.4000	U	800.00	87.4		P
Barium	ug/L	75 - 125	263.7600		73.0100		200.00	95.4		P
Cadmium	ug/L	75 - 125	172.3400		0.9000	U	200.00	86.2		P
Chromium	ug/L	75 - 125	353.3700		1.4000	U	400.00	88.3		P
Lead	ug/L	75 - 125	866.5900		3.1000	U	1000.00	86.7		P
Selenium	ug/L	75 - 125	1720.3900		4.5000	U	2000.00	86.0		P
Silver	ug/L	75 - 125	70.0500		1.7200	J	75.00	91.1		P

METALS
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z3012-14 **Client ID:** TRC-GW5SD

Percent Solids for Sample: 0.00 **Spiked ID:** Z3012-14SD **Percent Solids for Spike Sample:** 0.00

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	704.9100		5.4000	U	800.00	88.1		P
Barium	ug/L	75 - 125	265.6500		73.0100		200.00	96.3		P
Cadmium	ug/L	75 - 125	173.7500		0.9000	U	200.00	86.9		P
Chromium	ug/L	75 - 125	354.1600		1.4000	U	400.00	88.5		P
Lead	ug/L	75 - 125	868.4700		3.1000	U	1000.00	86.8		P
Selenium	ug/L	75 - 125	1728.0000		4.5000	U	2000.00	86.4		P
Silver	ug/L	75 - 125	70.9100		1.7200	J	75.00	92.3		P

METALS
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: SOIL **Sample ID:** Z2970-02 **Client ID:** EQ-SB015(25-27)D

Percent Solids for Sample: 90.80 **Duplicate ID:** Z2970-02D **Percent Solids for Duplicate:** 90.80

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg		0.0077	U	0.0077	U			CV

METALS
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: SOIL **Sample ID:** Z2970-02S **Client ID:** EQ-SB015(25-27)SD

Percent Solids for Sample: 90.80 **Duplicate ID:** Z2970-02SD **Percent Solids for Duplicate:** 90.80

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg		0.1927		0.1982		2.8		CV

METALS
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: SOIL **Sample ID:** Z3031-01 **Client ID:** HPMB-01ND

Percent Solids for Sample: 67.30 **Duplicate ID:** Z3031-01D **Percent Solids for Duplicate:** 67.30

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	mg/Kg		9.1105		9.4017		3.1		P
Barium	mg/Kg		26.5627		26.1872		1.4		P
Cadmium	mg/Kg	0.2972	1.3809		1.4255		3.2		P
Chromium	mg/Kg		29.9733		31.8643		6.1		P
Lead	mg/Kg		30.7786		33.2204		7.6		P
Selenium	mg/Kg		0.8123	U	0.8123	U			P
Silver	mg/Kg	0.4953	0.2080	U	1.0243		200.0		P

METALS
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: SOIL **Sample ID:** Z3031-01S **Client ID:** HPMB-01NSD

Percent Solids for Sample: 67.30 **Duplicate ID:** Z3031-01SD **Percent Solids for Duplicate:** 67.30

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	mg/Kg		89.9881		85.6622		4.9		P
Barium	mg/Kg		46.0535		42.9411		7.0		P
Cadmium	mg/Kg		23.2630		21.6810		7.0		P
Chromium	mg/Kg		73.6018		68.5656		7.1		P
Lead	mg/Kg		139.8821		132.2348		5.6		P
Selenium	mg/Kg		189.7266		180.1803		5.2		P
Silver	mg/Kg		8.0287		6.7717		17.0		P

METALS
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z3011-08 **Client ID:** MW-1AD

Percent Solids for Sample: 0.00 **Duplicate ID:** Z3011-08D **Percent Solids for Duplicate:** 0.00

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L		0.0630	U	0.0630	U			CV

METALS
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z3011-08S **Client ID:** MW-1ASD

Percent Solids for Sample: 0.00 **Duplicate ID:** Z3011-08SD **Percent Solids for Duplicate:** 0.00

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L		3.1700		3.1700		0.0		CV

METALS
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z3012-14 **Client ID:** TRC-GW5D

Percent Solids for Sample: 0.00 **Duplicate ID:** Z3012-14D **Percent Solids for Duplicate:** 0.00

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L		5.4000	U	5.4000	U			P
Barium	ug/L	50.0000	73.0100		71.7600		1.7		P
Cadmium	ug/L		0.9000	U	0.9000	U			P
Chromium	ug/L		1.4000	U	1.4000	U			P
Lead	ug/L		3.1000	U	3.1000	U			P
Selenium	ug/L		4.5000	U	4.5000	U			P
Silver	ug/L		1.7200	J	1.7000	U	200.0		P

METALS
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DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z3012-14S **Client ID:** TRC-GW5SD

Percent Solids for Sample: 0.00 **Duplicate ID:** Z3012-14SD **Percent Solids for Duplicate:** 0.00

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L		699.4000		704.9100		0.8		P
Barium	ug/L		263.7600		265.6500		0.7		P
Cadmium	ug/L		172.3400		173.7500		0.8		P
Chromium	ug/L		353.3700		354.1600		0.2		P
Lead	ug/L		866.5900		868.4700		0.2		P
Selenium	ug/L		1720.3900		1728.0000		0.4		P
Silver	ug/L		70.0500		70.9100		1.2		P

METALS

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LABORATORY CONTROL SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Aqueous LCS Source: EPA-ICV **Solid LCS Source:**

Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB34328BS								
	Mercury	ug/L	4.000	3.850		96.2	80.0 - 120.0	CV

METALS

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LABORATORY CONTROL SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Aqueous LCS Source: **Solid LCS Source:** EPA-ICV

Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB34329BS								
	Mercury	mg/Kg	0.200	0.197		98.5	80.0 - 120.0	CV

METALS

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LABORATORY CONTROL SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Aqueous LCS Source: **Solid LCS Source:** EPA-ICV

Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB34339BS								
	Arsenic	mg/Kg	80.0	75.4		94.2	80.0 - 120.0	P
	Barium	mg/Kg	20.0	18.8		94.0	80.0 - 120.0	P
	Cadmium	mg/Kg	20.0	19.5		97.5	80.0 - 120.0	P
	Chromium	mg/Kg	40.0	38.8		97.0	80.0 - 120.0	P
	Lead	mg/Kg	100.0	96.7		96.7	80.0 - 120.0	P
	Selenium	mg/Kg	200.0	180.5		90.2	80.0 - 120.0	P
	Silver	mg/Kg	7.5	7.2		96.0	80.0 - 120.0	P

METALS

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LABORATORY CONTROL SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Aqueous LCS Source: EPA-ICV **Solid LCS Source:**

Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB34340BS								
	Arsenic	ug/L	800.0	785.10		98.1	80.0 - 120.0	P
	Barium	ug/L	200.0	199.93		100.0	80.0 - 120.0	P
	Cadmium	ug/L	200.0	202.11		101.1	80.0 - 120.0	P
	Chromium	ug/L	400.0	403.28		100.8	80.0 - 120.0	P
	Lead	ug/L	1000.0	994.84		99.5	80.0 - 120.0	P
	Selenium	ug/L	2000.0	1914.00		95.7	80.0 - 120.0	P
	Silver	ug/L	75.0	75.24		100.3	80.0 - 120.0	P

METALS

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SERIAL DILUTION SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Level:** LOW **Client ID:** EQ-SB015(25-27)L

Sample ID: **Z2970-02** **Serial Dilution ID:** **Z2970-02L**

Analyte	Initial Result ug/L	C	Serial Result ug/L	C	% Difference	Qual	Acceptance Limits	M
Mercury	0.06	U	0.06	U			10.00 %	CV

METALS

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SERIAL DILUTION SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Level:** LOW **Client ID:** HPMB-01NL

Sample ID: **Z3031-01** **Serial Dilution ID:** **Z3031-01L**

Analyte	Initial Result ug/L	C	Serial Result ug/L	C	% Difference	Qual	Acceptance Limits	M
Arsenic	91.97		104.25		13.4		10.00 %	P
Barium	268.15		241.10	J	10.1		10.00 %	P
Cadmium	13.94		0.90	U	100.0		10.00 %	P
Chromium	302.58		331.45		9.5		10.00 %	P
Lead	310.71		367.70		18.3		10.00 %	P
Selenium	4.50	U	4.50	U			10.00 %	P
Silver	1.70	U	1.70	U			10.00 %	P

METALS

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SERIAL DILUTION SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Level:** LOW **Client ID:** MW-1AL

Sample ID: **Z3011-08** **Serial Dilution ID:** **Z3011-08L**

Analyte	Initial Result ug/L	C	Serial Result ug/L	C	% Difference	Qual	Acceptance Limits	M
Mercury	0.06	U	0.06	U			10.00 %	CV

METALS

- 9 -

SERIAL DILUTION SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CTECH **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Level:** LOW **Client ID:** TRC-GW5L

Sample ID: **Z3012-14** **Serial Dilution ID:** **Z3012-14L**

Analyte	Initial Result ug/L	C	Serial Result ug/L	C	% Difference	Qual	Acceptance Limits	M
Arsenic	5.40	U	5.40	U			10.00 %	P
Barium	73.01		11.20	U	100.0		10.00 %	P
Cadmium	0.90	U	0.90	U			10.00 %	P
Chromium	1.40	U	1.40	U			10.00 %	P
Lead	3.10	U	3.10	U			10.00 %	P
Selenium	4.50	U	4.50	U			10.00 %	P
Silver	1.72	J	1.70	U	100.0		10.00 %	P

TABULATED ANALYTICAL RESULTS

METALS ANALYSIS

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lum**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5 (NYCDEP)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-15**	**Matrix:**	**WATER**
		% Solids:	**0.00**

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-43-9	Cadmium	0.60	U	ug/L	0.60	1	5/30/2008	6/2/2008	EPA SW-846 200.7
7440-50-8	Copper	34.6		ug/L	2.4	1	5/30/2008	6/2/2008	EPA SW-846 200.7
7439-92-1	Lead	13.5		ug/L	3.6	1	5/30/2008	6/2/2008	EPA SW-846 200.7
7439-97-6	Mercury	0.1300	U	ug/L	0.130	1	5/30/2008	6/2/2008	EPA SW-846 245.1
7440-02-0	Nickel	22.7		ug/L	3.9	1	5/30/2008	6/2/2008	EPA SW-846 200.7
7440-66-6	Zinc	85.2		ug/L	4.8	1	5/30/2008	6/2/2008	EPA SW-846 200.7

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Spiked sample recovery not within control limits

CHEMTECH

QUALITY CONTROL SUMMARY REPORTS

METALS ANALYSIS

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
ICB01										
	Cadmium	-2.1	+/-5.0	J	0.6	5.0	P	6/2/2008	08:16	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	08:16	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	08:16	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	08:16	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	08:16	LB38673
CCB01										
	Cadmium	-2.0	+/-5.0	J	0.6	5.0	P	6/2/2008	08:37	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	08:37	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	08:37	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	08:37	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	08:37	LB38673
CCB02										
	Cadmium	-2.2	+/-5.0	J	0.6	5.0	P	6/2/2008	09:20	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	09:20	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	09:20	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	09:20	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	09:20	LB38673
CCB03										
	Cadmium	-2.0	+/-5.0	J	0.6	5.0	P	6/2/2008	09:49	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	09:49	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	09:49	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	09:49	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	09:49	LB38673
CCB04										
	Cadmium	-2.3	+/-5.0	J	0.6	5.0	P	6/2/2008	10:59	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	10:59	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	10:59	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	10:59	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	10:59	LB38673

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB05										
	Cadmium	-2.2	+/-5.0	J	0.6	5.0	P	6/2/2008	12:43	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	12:43	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	12:43	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	12:43	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	12:43	LB38673
CCB06										
	Cadmium	-1.5	+/-5.0	J	0.6	5.0	P	6/2/2008	13:18	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	13:18	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	13:18	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	13:18	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	13:18	LB38673
CCB07										
	Cadmium	-1.8	+/-5.0	J	0.6	5.0	P	6/2/2008	13:56	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	13:56	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	13:56	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	13:56	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	13:56	LB38673
CCB08										
	Cadmium	-2.0	+/-5.0	J	0.6	5.0	P	6/2/2008	14:39	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	14:39	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	14:39	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	14:39	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	14:39	LB38673

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB09										
	Cadmium	-2.3	+/-5.0	J	0.6	5.0	P	6/2/2008	16:23	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	16:23	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	16:23	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	16:23	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	16:23	LB38673
CCB10										
	Cadmium	-1.5	+/-5.0	J	0.6	5.0	P	6/2/2008	16:56	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	16:56	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	16:56	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	16:56	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	16:56	LB38673
CCB11										
	Cadmium	-2.3	+/-5.0	J	0.6	5.0	P	6/2/2008	17:34	LB38673
	Copper	2.4	+/-10.0	U	2.4	10.0	P	6/2/2008	17:34	LB38673
	Lead	3.6	+/-10.0	U	3.6	10.0	P	6/2/2008	17:34	LB38673
	Nickel	3.9	+/-20.0	U	3.9	20.0	P	6/2/2008	17:34	LB38673
	Zinc	4.8	+/-20.0	U	4.8	20.0	P	6/2/2008	17:34	LB38673
ICB01										
	Mercury	0.13	+/-0.20	U	0.13	0.20	CV	6/2/2008	09:55	LB38679
CCB01										
	Mercury	0.13	+/-0.20	U	0.13	0.20	CV	6/2/2008	10:01	LB38679
CCB02										
	Mercury	0.13	+/-0.20	U	0.13	0.20	CV	6/2/2008	10:21	LB38679
CCB03										
	Mercury	0.13	+/-0.20	U	0.13	0.20	CV	6/2/2008	10:42	LB38679

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB04										
	Mercury	0.13	+/-0.20	U	0.13	0.20	CV	6/2/2008	10:59	LB38679

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Instrument: P1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	MDL ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB34342BL		**WATER**		**Batch Number:**	**PB34342**			**Prep Date:**	**5/30/2008**	
	Cadmium	-2.070	<5.000	J	0.600	5.000	P	6/2/2008	08:39	LB38673
	Copper	0.900	<10.000	U	2.400	10.000	P	6/2/2008	08:39	LB38673
	Lead	-2.350	<10.000	U	3.600	10.000	P	6/2/2008	08:39	LB38673
	Nickel	-2.770	<20.000	U	3.900	20.000	P	6/2/2008	08:39	LB38673
	Zinc	-4.370	<20.000	U	4.800	20.000	P	6/2/2008	08:39	LB38673
PB34327BL		**WATER**		**Batch Number:**	**PB34327**			**Prep Date:**	**5/30/2008**	
	Mercury	-0.019	<0.200	U	0.135	0.200	CV	6/2/2008	10:09	LB38679

Metals

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MATRIX SPIKE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z2982-03 **Client ID:** MW-7S

Percent Solids for Sample: 0.00 **Spiked ID:** Z2982-03S **Percent Solids for Spike Sample:** 0.00

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cadmium	ug/L	75 - 125	188.4900		0.6000	U	200.00	94.2		P
Copper	ug/L	75 - 125	299.1900		3.6200	J	300.00	98.5		P
Lead	ug/L	75 - 125	951.9900		3.6000	U	1000.00	95.2		P
Mercury	ug/L	75 - 125	1.3400		0.1347	U	1.50	89.3		CV
Nickel	ug/L	75 - 125	482.2300		3.9000	U	500.00	96.4		P
Zinc	ug/L	75 - 125	241.7200		56.4400		200.00	92.6		P

Metals

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MATRIX SPIKE DUPLICATE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z2982-03 **Client ID:** MW-7SD

Percent Solids for Sample: 0.00 **Spiked ID:** Z2982-03SD **Percent Solids for Spike Sample:** 0.00

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cadmium	ug/L	75 - 125	187.6100		0.6000	U	200.00	93.8		P
Copper	ug/L	75 - 125	297.2100		3.6200	J	300.00	97.9		P
Lead	ug/L	75 - 125	946.4700		3.6000	U	1000.00	94.6		P
Mercury	ug/L	75 - 125	1.4100		0.1347	U	1.50	94.0		CV
Nickel	ug/L	75 - 125	474.0600		3.9000	U	500.00	94.8		P
Zinc	ug/L	75 - 125	242.3900		56.4400		200.00	93.0		P

Metals
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z2982-03 **Client ID:** MW-7D

Percent Solids for Sample: 0.00 **Duplicate ID:** Z2982-03D **Percent Solids for Duplicate:** 0.00

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cadmium	ug/L		0.6000	U	0.6000	U			P
Copper	ug/L		3.6200	J	4.9100	J	30.2		P
Lead	ug/L		3.6000	U	3.6000	U			P
Mercury	ug/L		0.1347	U	0.1347	U			CV
Nickel	ug/L		3.9000	U	3.9000	U			P
Zinc	ug/L	20.0000	56.4400		56.9700		0.9		P

Metals
- 6 -
DUPLICATE SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **Level:** LOW **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Sample ID:** Z2982-03S **Client ID:** MW-7SD

Percent Solids for Sample: 0.00 **Duplicate ID:** Z2982-03SD **Percent Solids for Duplicate:** 0.00

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cadmium	ug/L		188.4900		187.6100		0.5		P
Copper	ug/L		299.1900		297.2100		0.7		P
Lead	ug/L		951.9900		946.4700		0.6		P
Mercury	ug/L		1.3400		1.4100		5.1		CV
Nickel	ug/L		482.2300		474.0600		1.7		P
Zinc	ug/L		241.7200		242.3900		0.3		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Aqueous LCS Source: EPA-ICV **Solid LCS Source:**

Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB34327BS								
	Mercury	ug/L	4.0	4.60		115.0	85.0 - 115.0	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Aqueous LCS Source: EPA-ICV **Solid LCS Source:**

Sample ID	Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB34342BS								
	Cadmium	ug/L	200.0	191.22		95.6	85.0 - 115.0	P
	Copper	ug/L	300.0	284.33		94.8	85.0 - 115.0	P
	Lead	ug/L	1000.0	951.39		95.1	85.0 - 115.0	P
	Nickel	ug/L	500.0	483.81		96.8	85.0 - 115.0	P
	Zinc	ug/L	200.0	209.14		104.6	85.0 - 115.0	P

Metals

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SERIAL DILUTION SAMPLE SUMMARY

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Contract: TRC Environmental Corp., NY **Lab Code:** CHEMED **Case No.:** Z3012 **SAS No.:** Z3012

Matrix: WATER **Level:** LOW **Client ID:** MW-7L

Sample ID: **Z2982-03** **Serial Dilution ID:** **Z2982-03L**

Analyte	Initial Result ug/L	C	Serial Result ug/L	C	% Difference	Qual	Acceptance Limits	M
Cadmium	0.60	U	0.60	U			10.00 %	P
Copper	3.62	J	2.40	U	100.0		10.00 %	P
Lead	3.60	U	3.60	U			10.00 %	P
Mercury	0.13	U	0.13	U			10.00 %	CV
Nickel	3.90	U	3.90	U			10.00 %	P
Zinc	56.44		4.80	U	100.0		10.00 %	P

TABULATED ANALYTICAL RESULTS
GENERAL CHEMISTRY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-1(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-02**	**Matrix:**	**SOIL**
% Solids:	**84.10**		

Analyte	Result	Qualifier	RL	Units	DF	Date Analyzed	Method
Hexavalent Chromium	0.476	U	0.476	mg/Kg	1	5/29/2008	7196 Hexavalent Chromium
TPH	42.00		30	mg/Kg	1	5/30/2008	9071B TPH
Cyanide	0.595	U	0.595	mg/Kg	1	5/30/2008	9012 Cyanide

Comment

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-3(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-06**	**Matrix:**	**SOIL**
% Solids:	**89.00**		

Analyte	Result	Qualifier	RL	Units	DF	Date Analyzed	Method
Hexavalent Chromium	0.449	U	0.449	mg/Kg	1	5/29/2008	7196 Hexavalent Chromium
TPH	958.00		28	mg/Kg	1	5/30/2008	9071B TPH
Cyanide	0.562	U	0.562	mg/Kg	1	5/30/2008	9012 Cyanide

Comment

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-SB-5(4-8)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-09**	**Matrix:**	**SOIL**
% Solids:	**90.00**		

Analyte	Result	Qualifier	RL	Units	DF	Date Analyzed	Method
Hexavalent Chromium	0.444	U	0.444	mg/Kg	1	5/29/2008	7196 Hexavalent Chromium
TPH	28	U	28	mg/Kg	1	5/30/2008	9071B TPH
Cyanide	0.556	U	0.556	mg/Kg	1	5/30/2008	9012 Cyanide

Comment

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Report of Analysis

Client:	**TRC Environmental Corp., NY**	**Date Collected:**	**5/27/2008**
Project:	**SCA- Greenpoint Lumber Yard**	**Date Received:**	**5/28/2008**
Client Sample ID:	**TRC-GW5 (NYCDEP)**	**SDG No.:**	**Z3012**
Lab Sample ID:	**Z3012-15**	**Matrix:**	**WATER**
% Solids:	**0.00**		

Analyte	Result	Qualifier	RL	Units	DF	Date Analyzed	Method
TS	1200.00		10.00	mg/L	1	5/29/2008	SM2540B TS
Hexavalent Chromium	0.01	U	0.01	mg/L	1	5/29/2008	7196 Hexavalent Chromium
TSS	480.00		4.00	mg/L	1	5/30/2008	SM2540 D TSS
Chloride	180.00		2.00	mg/L	1	5/30/2008	SM4500-CL CChloride
Nitrate+Nitrite	7.70		0.105	mg/L	1	5/29/2008	300 Nitrate+Nitrate
pH	6.40		0.00	pH	1	5/30/2008	SM 4500-PH B
Flashpoint	>150		0.00	o C	1	5/30/2008	1010 Flashpoint
TKN	0.50	U	0.50	mg/L	1	6/2/2008	SM4500 N Org B or C TKN
Total Nitrogen	8.20		1.00	mg/L	1	6/2/2008	CalTotal Nitrogen
Nonpolar Material	5.00	U	5.00	mg/L	1	6/2/2008	1664 Nonpolar Material
CBOD5	2.00	U	2.00	mg/L	1	5/29/2008	SM5210B CBOD5
Phenolics	0.025	U	0.025	mg/L	1	6/3/2008	9065 Phenolics

Comment

QUALITY CONTROL SUMMARY REPORTS
GENERAL CHEMISTRY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Initial and Continuing Calibration Verification

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Hexavalent Chrom	mg/L	0.50	0.50	100.0	90-110	5/29/2008
Hexavalent Chrom	mg/L	0.50	0.50	100.0	90-110	5/29/2008
pH	pH	7.04	7.00	100.6	90-110	5/30/2008
Flashpoint	o C	27.00	27.50	98.20	90-110	5/30/2008
TKN	mg/L	5.18	5.00	103.6	90-110	6/2/2008
Phenolics	mg/L	0.25	0.25	100.0	90-110	6/3/2008
Sample ID: CCV1						
Hexavalent Chrom	mg/L	0.50	0.50	100.0	90-110	5/29/2008
Hexavalent Chrom	mg/L	0.49	0.50	98.00	90-110	5/29/2008
Chloride	mg/L	103.00	100.0	103.0	90-110	5/30/2008
pH	pH	7.03	7.00	100.4	90-110	5/30/2008
Nitrate+Nitrite	mg/L	5.44	5.30	102.6	90-110	5/29/2008
Cyanide	mg/L	0.24	0.25	96.00	90-110	5/30/2008
TKN	mg/L	5.13	5.00	102.6	90-110	6/2/2008
Phenolics	mg/L	0.24	0.25	96.00	90-110	6/3/2008
Sample ID: CCV2						
Chloride	mg/L	101.00	100.0	101.0	90-110	5/30/2008
Nitrate+Nitrite	mg/L	5.40	5.30	101.9	90-110	5/29/2008
Cyanide	mg/L	0.25	0.25	100.0	90-110	5/30/2008
TKN	mg/L	5.26	5.00	105.2	90-110	6/2/2008
Phenolics	mg/L	0.24	0.25	96.00	90-110	6/3/2008
Sample ID: CCV3						
Chloride	mg/L	102.00	100.0	102.0	90-110	5/30/2008
Cyanide	mg/L	0.25	0.25	100.0	90-110	5/30/2008
Sample ID: LB38661ICV						
TPH	mg/Kg	110.0	100.0	110.0	75-125	5/30/2008
Cyanide	mg/L	0.10	0.10	100.0	90-110	5/30/2008
Nonpolar Materia	mg/L	15.60	16.00	97.50	90-110	6/2/2008

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Initial and Continuing Calibration Blank Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Analyte	Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: ICB1						
Hexavalent Chromium	mg/L	< 0.01	+/-0.01	U	0.01	5/29/2008
Hexavalent Chromium	mg/L	< 0.01	+/-0.01	U	0.01	5/29/2008
Cyanide	mg/L	< 0.01	+/-0.01	U	0.01	5/30/2008
TKN	mg/L	< 0.50	+/-0.50	U	0.50	6/2/2008
Phenolics	mg/L	< 0.025	+/-0.025	U	0.025	6/3/2008
Sample ID: CCB1						
Hexavalent Chromium	mg/L	< 0.01	+/-0.01	U	0.01	5/29/2008
Hexavalent Chromium	mg/L	< 0.01	+/-0.01	U	0.01	5/29/2008
Chloride	mg/L	< 2.00	+/-2.00	U	2.00	5/30/2008
Nitrate+Nitrite	mg/L	< 0.105	+/-0.105	U	0.105	5/29/2008
Cyanide	mg/L	< 0.01	+/-0.01	U	0.01	5/30/2008
TKN	mg/L	< 0.50	+/-0.50	U	0.50	6/2/2008
Phenolics	mg/L	< 0.025	+/-0.025	U	0.025	6/3/2008
Sample ID: CCB2						
Chloride	mg/L	< 2.00	+/-2.00	U	2.00	5/30/2008
Nitrate+Nitrite	mg/L	< 0.105	+/-0.105	U	0.105	5/29/2008
Cyanide	mg/L	< 0.01	+/-0.01	U	0.01	5/30/2008
TKN	mg/L	< 0.50	+/-0.50	U	0.50	6/2/2008
Phenolics	mg/L	< 0.025	+/-0.025	U	0.025	6/3/2008
Sample ID: CCB3						
Chloride	mg/L	< 2.00	+/-2.00	U	2.00	5/30/2008
Cyanide	mg/L	< 0.01	+/-0.01	U	0.01	5/30/2008
Sample ID: LB38661ICB						
TPH	mg/Kg	< 25	+/-25	U	25	5/30/2008
Nonpolar Material	mg/L	< 5.00	+/-5.00	U	5.00	6/2/2008

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Preparation Blank Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Analyte	Units	Result	Acceptance Limits	Conc Qual	RDL	Analysis Date
Sample ID: LB38644B						
Hexavalent Chromium	mg/Kg	< 0.40	+/-0.40	U	0.40	5/29/2008
Sample ID: LB38645B						
Hexavalent Chromium	mg/L	< 0.01	+/-0.01	U	0.01	5/29/2008
Sample ID: LB38661B						
TPH	mg/Kg	< 25	+/-25	U	25	5/30/2008
Sample ID: LB38700B						
Nonpolar Material	mg/L	< 0.50	+/-0.50	U	0.50	6/2/2008
Sample ID: MBW						
TS	mg/L	< 10.00	+/-10.00	U	10.00	5/29/2008
TSS	mg/L	< 4.00	+/-4.00	U	4.00	5/30/2008
Chloride	mg/L	< 2.00	+/-2.00	U	2.00	5/30/2008
Nitrate+Nitrite	mg/L	< 0.105	+/-0.105	U	0.105	5/29/2008
CBOD5	mg/L	< 2.00	+/-2.00	U	2.00	5/29/2008
CBOD5	mg/L	< 2.00	+/-2.00	U	2.00	5/29/2008
Sample ID: MBW1						
TKN	mg/L	< 0.50	+/-0.50	U	0.50	6/2/2008
Phenolics	mg/L	< 0.025	+/-0.025	U	0.025	6/3/2008
Sample ID: PBS1						
Cyanide	mg/Kg	< 0.50	+/-0.50	U	0.50	5/30/2008

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Matrix Spike Summary

Client: TRC Environmental Corp., NY

SDG No.: Z3012

Project:

Sample ID: Z2982-01

Client ID: MW-5RS

Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Date Analyzed
Chloride	mg/L	75-125	116.0		18.0		100.00	1	98.00		5/30/2008

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Matrix Spike Summary

Client: TRC Environmental Corp., NY

SDG No.: Z3012

Project:

Sample ID: Z3007-01

Client ID: LC-1S

Percent Solids for Spike Sample: 83.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Date Analyzed
Cyanide	mg/Kg	75-125	5.72		0.60	U	6.00	1	95.4		5/30/2008

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Matrix Spike Summary

Client: TRC Environmental Corp., NY

SDG No.: Z3012

Project:

Sample ID: Z3012-02

Client ID: TRC-SB-1(4-8)S1

Percent Solids for Spike Sample: 84.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Date Analyzed
Hexavalent Chrom	mg/Kg	75-125	15.40		0.47	U	20.00	1	77.00		5/29/2008

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Matrix Spike Summary

Client: TRC Environmental Corp., NY

SDG No.: Z3012

Project:

Sample ID: Z3012-02

Client ID: TRC-SB-1(4-8)S2

Percent Solids for Spike Sample: 84.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Date Analyzed
Hexavalent Chrom	mg/Kg	75-125	170.0		0.47	U	200.0	1	85.00		5/29/2008

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Matrix Spike Summary

Client: TRC Environmental Corp., NY

SDG No.: Z3012

Project:

Sample ID: Z3012-02

Client ID: TRC-SB-1(4-8)S3

Percent Solids for Spike Sample: 84.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Date Analyzed
Hexavalent Chrom	mg/Kg	75-125	21.20		0.47	U	20.00	1	106.0		5/29/2008

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Matrix Spike Summary

Client: TRC Environmental Corp., NY

SDG No.: Z3012

Project:

Sample ID: Z3012-09

Client ID: TRC-SB-5(4-8)S

Percent Solids for Spike Sample: 90.0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Date Analyzed
TPH	mg/Kg	75-125	122.00		27.77	U	111.00	1	109.9		5/30/2008

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Matrix Spike Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: Z3012-15
Client ID: TRC-GW5 (NYCDEP)S
Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Date Analyzed
Nitrate+Nitrite	mg/L	75-125	12.30		7.70		1.06	1	86.79		5/29/2008
TKN	mg/L	75-125	5.10		0.50	U	5.00	1	102.0		6/2/2008
Phenolics	mg/L	75-125	0.25		0.025	U	0.25	1	100.0		6/3/2008

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Matrix Spike Summary

Client: TRC Environmental Corp., NY

SDG No.: Z3012

Project:

Sample ID: Z3013-01

Client ID: EFFLUENTS

Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Date Analyzed
Hexavalent Chrom	mg/L	75-125	0.50		0.01	U	0.50	1	100.0		5/29/2008

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Matrix Spike Summary

Client: TRC Environmental Corp., NY

SDG No.: Z3012

Project:

Sample ID: Z3031-03

Client ID: HWFKI-01NS

Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	Dilution Factor	% Rec	Qual	Date Analyzed
TSS	mg/L	75-125	544.0		10.0		550.00	1	97.09		5/30/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: LB38644BS
Client ID: LCSSD
Percent Solids for Spike Sample: 100.0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
Hexavalent Chromiu	mg/Kg	+/-20	15.90		15.90		1	0		5/29/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: LB38645BS
Client ID: LCSWD
Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
Hexavalent Chromiu	mg/L	+/-20	0.49		0.49		1	0		5/29/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID:
Client ID: LCSWD
Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
Nonpolar Material	mg/L	+/-20	17.40		15.20		1	13.49		6/2/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: LCSW
Client ID: LCSWD
Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
CBOD5	mg/L	+/-20	227.00		217.00		1	4.50		5/29/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: Z2982-01
Client ID: MW-5RD
Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
Chloride	mg/L	+/-20	18.00		17.00		1	5.71		5/30/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: Z3007-01
Client ID: LC-1D
Percent Solids for Spike Sample: 83.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
Cyanide	mg/Kg	+/-20	0.60	U	0.60	U	1	0		5/30/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: Z3012-02
Client ID: TRC-SB-1(4-8)D
Percent Solids for Spike Sample: 84.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
Hexavalent Chromiu	mg/Kg	+/-20	0.47	U	0.47	U	1	0		5/29/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: Z3012-09
Client ID: TRC-SB-5(4-8)D
Percent Solids for Spike Sample: 90.0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
TPH	mg/Kg	+/-20	27.77	U	27.77	U	1	0		5/30/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: Z3012-15
Client ID: TRC-GW5 (NYCDEP)D
Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
Nitrate+Nitrite	mg/L	+/-20	7.70		7.63		1	0.91		5/29/2008
pH	pH	+/-20.0	6.36		6.31		1	0.78		5/30/2008
Flashpoint	o C	+/-20	>150		>150		1	0		5/30/2008
TKN	mg/L	+/-20	0.50	U	0.50	U	1	0		6/2/2008
CBOD5	mg/L	+/-20	2.00	U	2.00	U	1	0		5/29/2008
Phenolics	mg/L	+/-20	0.025	U	0.025	U	1	0		6/3/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: Z3013-01
Client ID: EFFLUENTD
Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
Hexavalent Chromiu	mg/L	+/-20	0.01	U	0.01	U	1	0		5/29/2008

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Duplicate Sample Summary

Client: TRC Environmental Corp., NY
SDG No.: Z3012
Project:
Sample ID: Z3031-03
Client ID: HWFKI-01ND
Percent Solids for Spike Sample: 0.0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	Dilution Factor	RPD/ AD	Qual	Date Analyzed
TSS	mg/L	+/-20	10.00		10.00		1	0		5/30/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LB38644BS								
Hexavalent Chromium	mg/Kg	20.00	15.9		79.50	1	75-125	5/29/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LB38644BSD								
Hexavalent Chromium	mg/Kg	20.00	15.90		79.50	1	75-125	5/29/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LB38645BS								
Hexavalent Chromium	mg/L	0.50	0.49		98.0	1	75-125	5/29/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LB38645BSD								
Hexavalent Chromium	mg/L	0.50	0.49		98.0	1	75-125	5/29/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LB38661BS								
TPH	mg/Kg	200.0	185.00		92.50	1	80-120	5/30/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LB38700BS								
Nonpolar Material	mg/L	16.00	17.40		108.7	1	80-120	6/2/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LB38700BSD								
Nonpolar Material	mg/L	16.00	15.20		95.00	1	80-120	6/2/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LCSS1								
Cyanide	mg/Kg	9.600	9.820		102.29	1	80-120	5/30/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LCSW								
TSS	mg/L	550.00	544.00		98.90	1	80-120	5/30/2008
Chloride	mg/L	100.00	104.00		104.0	1	90-110	5/30/2008
Nitrate+Nitrite	mg/L	5.3	5.39		101.7	1	80-120	5/29/2008
CBOD5	mg/L	200.00	227.00		113.5	1	80-120	5/29/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LCSW1								
TKN	mg/L	5.00	5.08		101.6	1	80-120	6/2/2008
Phenolics	mg/L	0.25	0.242		96.80	1	80-120	6/3/2008

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Laboratory Control Sample Summary

Client: TRC Environmental Corp., NY **SDG No.:** Z3012

Project:

Sample ID Analyte	Units	True Value	Result	C	% Recovery	Dilution Factor	Acceptance Limit %R	Date Analyzed
LCSWD								
CBOD5	mg/L	200.00	217.00		108.5	1	80-120	5/29/2008

END OF ANALYTICAL RESULTS

APPENDIX D

RECOMMENDED REMEDIATION AND COST ESTIMATES

For Site environmental conditions to be suitable for construction of a New York City Public School facility, TRC recommends the following:

- USTs and any associated petroleum impacted soil, if encountered, should be excavated and disposed of in accordance with all federal, state, and local regulations.
- To prevent chlorinated solvent and petroleum-related compounds present in soil vapor from entering the new school building, a soil vapor barrier should be incorporated into the new school design.
- If shallow soils at the Site are excavated during construction activities, TRC recommends that the soil be characterized to identify material handling requirements and for material reuse, handling and/or waste disposal requirements and be managed in accordance with federal, state, and local regulations.
- After the proposed new building and grounds are constructed, it is anticipated that there will be no exposed soil at the Site; however, if landscaped areas are incorporated into the development of the Site, a minimum 2-foot thick layer of environmentally clean fill should be placed over existing soil in those areas.

First Remediation Measure – UST and Associated Contaminated Soil Removal

The cost estimate for the first remediation measure uses the following assumptions:

- Two (2) 550-gallon gasoline USTs are present on Site and the USTs contain a combined total of 500 gallons of a gasoline/water mixture; and
- 200 tons of gasoline contaminated soil is present in the vicinity of the USTs.

Activity	Units	Rate	Total
Excavator with hoe-ram attachment and operator (local union)	5 days	$2,000/day	$10,000
Environmental labor technician (local union) – 3 men	5 days	$1,900/day	$9,500
Removal and disposal of gasoline contaminated water and product for recycling	500 gallons	$1.10/gallon	$550
Transportation and disposal of contaminated concrete	15 cubic yards	$60/cubic yard	$900
Transportation and disposal of petroleum contaminated soil at a permitted landfill	200 tons	$80/ton	$16,000
Laboratory analysis of endpoint samples for STARS list VOCs/SVOCs	5 samples	$200/sample	$1,000
Activity Total Cost (rounded)			**$38,000**
Engineering Design, Specifications, Drawings, Data Evaluation, and Reporting Labor Expenses (20%)			**$7,600**
Subtotal Project Costs (rounded)			**$45,600**
15% Contingency on all Costs (rounded)			**$6,840**
		Total System Cost (rounded):	**$52,500**

First Engineering Control – Soil Vapor Barrier

The cost estimate for the vapor barrier uses the following assumptions:

1. The area of the vapor barrier includes an assumed building footprint of 20,000 square feet with a 10 foot deep basement. Therefore, for cost estimating purposes, TRC has assumed that the total area to be covered by the vapor barrier is approximately 25,000 square feet.

Vapor Barrier Cost Estimate

Activity	Units	Rate	Total
Install Vapor Barrier (Building footprint and sub-grade walls)	25,000 sf	$5/sf	$125,000
Activity Total Cost			**$125,000**
Engineering Design, Specifications, Drawings, Data Evaluation, and Reporting Labor Expenses (20%)			**$25,000**
Subtotal Project Costs			**$150,000**
15% Contingency on all Costs (rounded)			**$22,500**
		Total System Cost (rounded):	**$172,500**

Total Engineering and Remediation Cost Estimate

Line Item Description	Cost
Vapor Barrier Cost Estimate	**$172,500**
UST and Associated Contaminated Soil Removal Cost Estimate	**$52,500**
Total	**$225,000**

APPENDIX B

SOIL VAPOR SAMPLING LOGS

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-19

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL G1)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/21/2014 **DATE FINISHED:** 8/21/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/21/2014 **DATE FINISHED:** 8/21/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Mid- to High-70°s, Wind: W 5-10 mph, Pressure: 30.07 inHg

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	5.4
HELIUM TEST IN BUCKET(%):	Before Sample: 47.8 After Purge: 42.1
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	9:20
SAMPLE STOP DATE/TIME:	11:20
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	6.5
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	373
REGULATOR SERIAL NUMBER:	0073
CAN START VACUUM PRESS. (" HG):	-29.63
CAN STOP VACUUM PRESS. (" HG):	-5.16

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE	0'	
Top of Seal		
		0-5 ft bgs Bentonite Seal
Top of Pack	5'	
		5-6 ft bgs No. 2 Sand
	6' bgs	

SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 6' bgs

Ambient Air Sample Collected near SV-19. Sample ID: G1_AA01_082114

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-20

PROJECT:	Greenpoint Landing	**PROJECT NO.:**	170229002
LOCATION:	Brooklyn, New York (PARCEL G1)	**SURFACE ELEVATION AND DATUM:**	Approx.
DRILLING FIRM OR LANGAN INSTALLER:	AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/21/2014	**DATE FINISHED:** 8/21/2014
INSTALLATION FOREMAN:	Jon Sepe	**SAMPLE DATE STARTED:** 8/21/2014	**DATE FINISHED:** 8/21/2014
INSTALLATION EQUIPMENT:	Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:**	Summa Canister (2.7 liter)
INSPECTOR:	Luke McCartney	**SAMPLER:**	Luke McCartney
POTENTIAL SAMPLE INTERFERENCES:	None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	Partly Cloudy, Mid- to High-70°s, Wind: W 5-10 mph, Pressure: 30.07 inHg

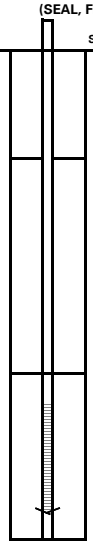
METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER:	1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:**	No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER:	6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):**	Bentonite
BOREHOLE DIAMETER:	2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):**	No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0.6
HELIUM TEST IN BUCKET(%):	Before Sample: 34.3 After Purge: 27.8
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	11:41
SAMPLE STOP DATE/TIME:	13:41
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	0.3
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	491
REGULATOR SERIAL NUMBER:	0453
CAN START VACUUM PRESS. (" HG):	-30.06
CAN STOP VACUUM PRESS. (" HG):	-4.86

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FEET FROM SURFACE)		NOTES
0'	**Top of Seal**	
		0-5 ft bgs Bentonite Seal
5'	**Top of Pack**	
		5-6 ft bgs No. 2 Sand
6' bgs		

SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 6' bgs

QA/QC Duplicate Sample Collected at SV-20. Sample ID: G1_SVDUP_082114

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-21

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL G1)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/21/2014 **DATE FINISHED:** 8/21/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/21/2014 **DATE FINISHED:** 8/21/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Mid- to High-70°s, Wind: W 5-10 mph, Pressure: 30.07 inHg

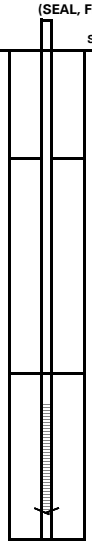
METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0.4
HELIUM TEST IN BUCKET(%):	Before Sample: 32.8 After Purge: 24.2
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	10:57
SAMPLE STOP DATE/TIME:	12:57
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	0.3
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	135
REGULATOR SERIAL NUMBER:	0385
CAN START VACUUM PRESS. (" HG):	-29.63
CAN STOP VACUUM PRESS. (" HG):	-3.98

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FEET FROM SURFACE)	NOTES
0'	
Top of Seal	
	0-4 ft bgs Bentonite Seal
Top of Pack 4'	
	4-5 ft bgs No. 2 Sand
5' bgs	

SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 5' bgs

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-22

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL G1)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/21/2014 **DATE FINISHED:** 8/21/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/21/2014 **DATE FINISHED:** 8/21/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Mid- to High-70°s, Wind: W 5-10 mph, Pressure: 30.07 inHg

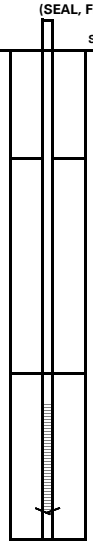
METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	3.4
HELIUM TEST IN BUCKET(%):	Before Sample: 35.5 After Purge: 26.7
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	10:25
SAMPLE STOP DATE/TIME:	12:25
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	1.3
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	538
REGULATOR SERIAL NUMBER:	0349
CAN START VACUUM PRESS. (" HG):	-30.25
CAN STOP VACUUM PRESS. (" HG):	-4.2

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FEET FROM SURFACE)	NOTES
0' Top of Seal	
	0-4 ft bgs Bentonite Seal
4' Top of Pack	
	4-5 ft bgs No. 2 Sand
5' bgs	

SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 5' bgs

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-23

PROJECT:	Greenpoint Landing	**PROJECT NO.:**	170229002
LOCATION:	Brooklyn, New York (PARCEL G1)	**SURFACE ELEVATION AND DATUM:**	Approx.
DRILLING FIRM OR LANGAN INSTALLER:	AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/21/2014	**DATE FINISHED:** 8/21/2014
INSTALLATION FOREMAN:	Jon Sepe	**SAMPLE DATE STARTED:** 8/21/2014	**DATE FINISHED:** 8/21/2014
INSTALLATION EQUIPMENT:	Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:**	Summa Canister (2.7 liter)
INSPECTOR:	Luke McCartney	**SAMPLER:**	Luke McCartney
POTENTIAL SAMPLE INTERFERENCES:	None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**	Partly Cloudy, Mid- to High-70°s, Wind: W 5-10 mph, Pressure: 30.07 inHg

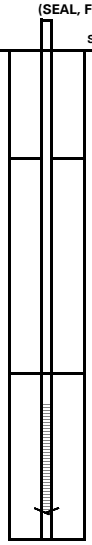
METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER:	1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:**	No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER:	6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):**	Bentonite
BOREHOLE DIAMETER:	2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):**	No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	3.1
HELIUM TEST IN BUCKET(%):	Before Sample: 42.3 After Purge: 32.6
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	10:42
SAMPLE STOP DATE/TIME:	12:42
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	1.7
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	412
REGULATOR SERIAL NUMBER:	0006
CAN START VACUUM PRESS. (" HG):	-30.41
CAN STOP VACUUM PRESS. (" HG):	-3.59

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FEET FROM SURFACE)		NOTES
0'	**Top of Seal**	
		0-4 ft bgs Bentonite Seal
4'	**Top of Pack**	
		4-5 ft bgs No. 2 Sand
5' bgs		

SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 5' bgs

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-24

PROJECT: Greenpoint Landing	**PROJECT NO.:** 170229002
LOCATION: Brooklyn, New York (PARCEL G1)	**SURFACE ELEVATION AND DATUM:** Approx.
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services	**INSTALLATION DATE STARTED:** 8/21/2014 **DATE FINISHED:** 8/21/2014
INSTALLATION FOREMAN: Jon Sepe	**SAMPLE DATE STARTED:** 8/21/2014 **DATE FINISHED:** 8/21/2014
INSTALLATION EQUIPMENT: Geoprobe 75220 DT Rig	**TYPE OF SAMPLING DEVICE:** Summa Canister (2.7 liter)
INSPECTOR: Luke McCartney	**SAMPLER:** Luke McCartney
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Partly Cloudy, Mid- to High-70°s, Wind: W 5-10 mph, Pressure: 30.07 inHg

METHOD OF INSTALLATION AND PURGING:

Probe, filter pack and seal installed in open borehole advanced with Geoprobe 6610 DT Rig and purged with Multi RAE (0.2 L/min); integrity of seal was checked via a helium gas tracer test.

TUBING TYPE/DIAMETER: 1/4'' ID x 3/8'' OD	**TYPE OF MATERIAL ABOVE SEAL:** No.2 Sand and Cement/Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6'' Stainless Steel SV Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2.5"	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	0.2 liter
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	30.1(1)
HELIUM TEST IN BUCKET(%):	Before Sample: 35.7 After Purge: 26.6
HELIUM TEST IN TUBE (PPM):	Before Sample: 0.0 After Sample: 0.0
SAMPLE START DATE/TIME:	10:07
SAMPLE STOP DATE/TIME:	12:07
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	0.0225
VOLUME OF SAMPLE (LITERS):	2.7
PID AFTER SAMPLE (PPM):	33.7(1)
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	377
REGULATOR SERIAL NUMBER:	0068
CAN START VACUUM PRESS. (" HG):	-29.13
CAN STOP VACUUM PRESS. (" HG):	-1.63

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE	0'	
Top of Seal		
		0-4 ft bgs Bentonite Seal
Top of Pack	4'	
		4-5 ft bgs No. 2 Sand
SURFACE	5' bgs	

SAMPLE LOCATION SKETCH

See Cooresponding Figure

NOTES

Installed SV probe @ 5' bgs

(1) - Possible moisture interference

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

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APPENDIX C

SOIL BORING LOGS

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Log of Boring **SB-33** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL G1)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/20/14 — Date Finished: 8/20/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 5 ft — Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): - — Casing Depth (ft): -	Water Level (ft.): First - / Completion / 24 HR.
Casing Hammer: - — Weight (lbs): - — Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer: - — Weight (lbs): - — Drop (in): -	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Brown to black F-M SAND with brick, gravel, concrete, coal; some silt; dry; no odors or staining [FILL]	0	1	5' Acetate Sleeve	36/60		0.0	Run #1 SB-33 (0-5')
			1					0.0	SB-33_0-2 taken at 11:30
			2					0.0	
			3					0.3	
			4					0.0	SB-33_3-5 taken at 11:35 G1_SODUP01_3-5 taken at 11:35
			5					0.0	End of boring at 5 ft bgs Drill to 14' bgs to set well *Run (1) addtional run to 5' to collect enough volume for duplicate sample
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-34** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL G1)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/20/14 / Date Finished: 8/20/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 5 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First - / Completion / 24 HR.
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer: - / Weight (lbs): - / Drop (in): -	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		CONCRETE	0						Run #1 SB-34 (0-5')
		Brown to black F-M SAND with trace brick, coal, concrete, gravel; some silt; dry; no odors or staining [FILL]	1	1	5' Acetate Sleeve	40/60		0	SB-34_0-2 taken at 10:00
			2					0.2	
			3					0	
			4					0	SB-34_3-5 taken at 10:05
			5					0.7	End of boring at 5 ft bgs Drill to 14' bgs to set well
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-35** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL G1)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/20/14 / Date Finished: 8/20/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 5 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First - / Completion / 24 HR.
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer: - / Weight (lbs): - / Drop (in): -	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		ASPHALT TOPCOAT	0						Run #1 SB-35 (0-5')
		Light grey to black F-M SAND with brick, concrete, gravel, coal; dry; no odors or staining [FILL]	1	1	5' Acetate Sleeve	50/60		0.0	SB-35_0-2 taken at 09:41
			2					0.0	
			3					0.0	
			4					0.0	SB-35_3-5 taken at 09:43
			5					0.0	End of boring at 5 ft bgs
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-36** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL G1)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/20/14 / Date Finished: 8/20/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 5 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First - / Completion / 24 HR.
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer: - / Weight (lbs): - / Drop (in): -	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		ASPHALT TOPCOAT	0						Run #1 SB-36 (0-5')
		Light grey to black F-M SAND with brick, concrete, gravel, coal; dry; no odors or staining [FILL]	1	1	5' Acetate Sleeve	24/60		0.0	SB-36_0-2 taken at 09:45
			2					0.4	
			3					0.8	SB-35_3-5 taken at 09:48 SB-36_3-5_MS taken at 09:48
			4					0.0	SB-36_3-5_MSD taken at 09:48
			5					0.0	End of boring at 5 ft bgs Run (2) additional run to collect enough volume from MS/MSD sample
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-37** Sheet 1 of 1

Project: Greenpoint Landing	Project No.: 170229002
Location: Brooklyn, NY (PARCEL G1)	Elevation and Datum: Approx.
Drilling Company: AARCO Environmental Services	Date Started: 8/20/14 / Date Finished: 8/20/14
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 5 ft / Rock Depth: -
Size and Type of Bit: 2.5" Direct Push Macrocore	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First - / Completion / 24 HR.
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Jon Sepe
Sampler: 5' Acetate Sleeve	Inspecting Engineer: Luke McCartney
Sampler Hammer: - / Weight (lbs): - / Drop (in): -	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		ASPHALT TOP COAT	0					0.0	Run #1 SB-37 (0-5')
		Light grey to black F-M SAND with brick, concrete, coal; dry; no odors or staining [FILL]	1					0.0	SB-37_0-2 taken at 14:00
			2	1	5' Acetate Sleeve	42/60		1.4	
			3					0.0	
			4					0.0	SB-37_3-5 taken at 14:05
			5					0.0	End of boring at 5 ft bgs
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

APPENDIX D

WELL CONSTRUCTION LOGS

LANGAN

WELL CONSTRUCTION SUMMARY

Well No. MW-33

PROJECT Greenpoint Landing	**PROJECT NO.** 170229002
LOCATION Greenpoint, Brooklyn, New York (PARCEL G1)	**ELEVATION AND DATUM** Top of Manhole: 8.11' Top of PVC Pipe: 7.92' (NAVD88)
DRILLING AGENCY AARCO Environmental Services	**DATE STARTED** 8/20/2014 **DATE FINISHED** 8/20/2014
DRILLING EQUIPMENT Geoprobe 7822DT	**DRILLER** Jon Sepe
SIZE AND TYPE OF BIT 6" ID Hollow-stem auger (HSA)	**LANGAN REP.** Luke McCartney

METHOD OF INSTALLATION

6" ID HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 14' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 4' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 3' below grade (BG) with #1 sand, to 2' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear, and a minimum of 5 well-casing volumes had been removed.

TYPE OF CASING SCH. 40 PVC	**DIAMETER** 2"	**TYPE OF BACKFILL MATERIAL** Clean cuttings	
TYPE OF SCREEN 10-slot SCH. 40 PVC	**DIAMETER** 2"	**TYPE OF SEAL MATERIAL** Bentonite (hydrated)	
BOREHOLE DIAMETER 6"		**TYPE OF FILTER MATERIAL** #1 sand	

	ELEVATION (ft)	DEPTH (ft)
TOP OF CASING	7.92	0.19
TOP OF SEAL	6.11	2
TOP OF FILTER	5.11	3
TOP OF SCREEN	4.11	4
BOTTOM OF BORING	-5.89	14

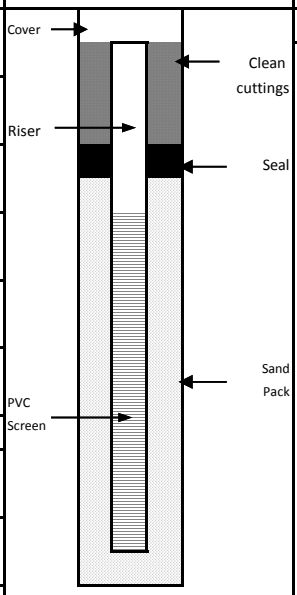
SCREEN LENGTH: 10 feet

SLOT SIZE: 10-slot

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
1.53	8/25/2014	6.39
0.41	8/28/2014	7.51

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.38
	2.0
	3.0
	4.0
See Boring Log	
	14.0

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LANGAN

WELL CONSTRUCTION SUMMARY

Well No. MW-34

PROJECT Greenpoint Landing	**PROJECT NO.** 170229002
LOCATION Greenpoint, Brooklyn, New York (PARCEL G1)	**ELEVATION AND DATUM** Top of Manhole: 8.89' Top of PVC Pipe: 8.51' (NAVD88)
DRILLING AGENCY AARCO Environmental Services	**DATE STARTED** 8/20/2014 **DATE FINISHED** 8/20/2014
DRILLING EQUIPMENT Geoprobe 7822DT	**DRILLER** Jon Sepe
SIZE AND TYPE OF BIT 6" ID Hollow-stem auger (HSA)	**LANGAN REP.** Luke McCartney

METHOD OF INSTALLATION

6" ID HSA's were advanced into the subsurface using a Geoprobe 7822DT drilling rig. Augers were advanced to 14' below surface grade. A 2" diameter monitoring well constructed of 10' of 10-slot PVC well screen and 4' of PVC solid riser pipe was inserted into the auger hole, and the annulus was filled to 3' below grade (BG) with #1 sand, to 2' BG with hydrated bentonite. The borehole was filled to about 0.5' BG with clean cuttings and finished at grade in a manhole.

METHOD OF WELL DEVELOPMENT

A 2" submersible pump fitted with 3/8" diameter tubing was used to purge water from the well into a 55-gallon drum until the water was clear, and a minimum of 5 well-casing volumes had been removed.

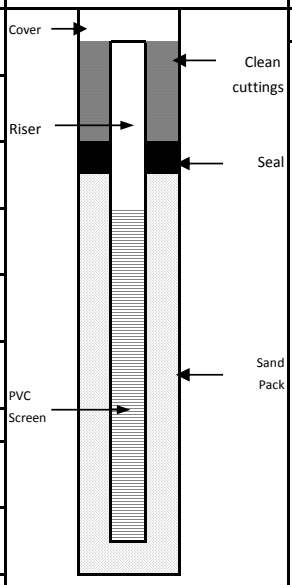
TYPE OF CASING SCH. 40 PVC **DIAMETER** 2"	**TYPE OF BACKFILL MATERIAL** Clean cuttings
TYPE OF SCREEN 10-slot SCH. 40 PVC **DIAMETER** 2"	**TYPE OF SEAL MATERIAL** Bentonite (hydrated)
BOREHOLE DIAMETER 6"	**TYPE OF FILTER MATERIAL** #1 sand

	ELEVATION (ft)	DEPTH (ft)
TOP OF CASING	8.51	0.38
TOP OF SEAL	6.89	2
TOP OF FILTER	5.89	3
TOP OF SCREEN	4.89	4
BOTTOM OF BORING	-5.11	14

SCREEN LENGTH: 10 feet

SLOT SIZE: 10-slot

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.38
	2.0
	3.0
	4.0
See Boring Log	
	14.0

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER (ft)
2.01	8/26/2014	6.5
0.37	8/28/2014	8.14

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APPENDIX E

WELL SAMPLING LOGS

MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-23**	**Job No. 170299002**
Date: 8/26/2014	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-23_082614
Well Depth (ft)	15
Screened Interval (ft)	10 (5 to 15 ft BTOC)
Casing Elevation (ft BBHD)	-
Casing Diameter (in)	2
Initial Depth to Water (ft)	7.76
Water Elevation (ft BBHD)	-
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.13
Start Purge Time	9:20 AM
End Purge Time	9:55 AM
Volume Purged (gal)	4.5

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	11:10 AM
End Sampling Time	N/A
Depth Before Sampling (ft)	7.51
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
9:20 AM	6.43	3.061	278.4	4.2	21.59	-94.2	7.88	-
9:25 AM	6.44	3.088	141.5	2.9	20.82	-94.8	7.89	-
9:30 AM	6.43	3.078	112.2	2.6	20.67	-99.4	7.93	2.25
9:35 AM	6.45	3.081	81.4	2.4	20.72	-98.3	-	-
9:40 AM	6.47	3.077	37.2	2.3	21.23	-96.1	-	-
9:50 AM	6.47	3.091	41.7	1.90	20.30	-99.1	-	-
9:55 AM	6.47	3.098	46.4	1.8	20.21	-102.8	7.98	4.50

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-33**	**Job No. 170299002**
Date: 8/25/2014	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-33_082514
Well Depth (ft)	14
Screened Interval (ft)	10 (4 to 14 ft BTOC)
Casing Elevation (ft NAVD88)	7.92
Casing Diameter (in)	2
Initial Depth to Water (ft)	6.39
Water Elevation (ft NAVD88)	1.53
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.02
Start Purge Time	12:47 PM
End Purge Time	3:00 PM
Volume Purged (gal)	3

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	3:00 PM
End Sampling Time	N/A
Depth Before Sampling (ft)	7.89
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (%)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
12:47 PM	7.24	0.700	1220.9	60.2	20.72	82.0	-	-
12:52 PM	7.17	0.734	1221.8	59.7	20.84	95.8	-	-
12:57 PM	7.17	0.723	790.4	55.6	20.39	97.9	7.50	-
1:07 PM	7.30	0.714	199.2	34.8	20.35	105.6	-	-
1:12 PM	7.24	0.712	315.8	30.3	20.82	107.8	7.40	-
1:17 PM	7.22	0.717	209.8	24.7	20.76	89.1	-	-
1:22 PM	7.21	0.728	91.8	34.2	20.63	83.5	7.40	1.50
1:27 PM	7.20	0.732	47.6	33.0	20.68	102.0	7.40	-
1:32 PM	7.17	0.730	209.8	28.3	19.97	87.5		-
1:37 PM	sediment clogs pump - cleaned and reset at 13:40							
1:42 PM	7.19	0.731	514.3	17.8	20.19	32.2	7.60	-
1:55 PM	7.2	0.755	351.6	29.9	21.34	48.7	7.60	-
2:00 PM	7.21	0.762	229.1	32.1	21.77	70.4	7.75	-
2:05 PM	7.21	0.770	141.9	39.2	21.94	85.5	-	0.50
2:10 PM	7.20	0.777	125.4	42.8	22.09	110.4	7.85	-
2:15 PM	7.20	0.785	103.4	45.0	22.18	131.0	-	0.80
2:20 PM	7.21	0.763	92.7	46.2	22.25	159.5	-	-
2:30 PM	7.18	0.813	101.3	45.8	20.36	127.6	7.87	1.10
2:40 PM	7.15	0.796	69.5	20.4	20.5	137.3	7.88	-
2:50 PM	7.17	0.788	79.3	16.6	20.34	128.0	7.88	1.30
3:00 PM	7.17	0.700	83.1	14.2	20.35	127.1	7.89	1.60

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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MONITORING WELL SAMPLING FORM

Site: Greenpoint, Bkyln, NY	**Well ID: MW-34**	**Job No. 170299002**
Date: 8/26/2014	**Weather: N/A**	**Sampling Personnel:** Luke McCartney

Well Information

Sample ID	MW-34
Well Depth (ft)	14
Screened Interval (ft)	10 (4 to 14 ft BTOC)
Casing Elevation (ft NAVD88)	8.51
Casing Diameter (in)	2
Initial Depth to Water (ft)	6.50
Water Elevation (ft NAVD88)	2.01
Casing Volume (gal)	-
PID/FID Reading (ppm)	0.3

Purging Information

Purging Method	Low Flow
Purging Rate (gpm)	0.08
Start Purge Time	10:32 AM
End Purge Time	11:57 AM
Volume Purged (gal)	7.3

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	11:57 AM
End Sampling Time	N/A
Depth Before Sampling (ft)	6.59
Number Bottles Collected	15

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
10:32 AM	6.95	2.366	595.4	17.3	19.84	-52.8	-	-
10:37 AM	6.84	2.357	467.6	5.2	20.39	-59.4	-	-
10:42 AM	6.80	2.522	151.5	3.2	20.57	-75.4	6.58	0.50
10:47 AM	6.80	2.595	108.4	2.4	20.10	-81.1	-	-
10:52 AM	6.79	2.582	81.9	2.3	19.93	-80.4	-	-
10:57 AM	6.79	2.585	43.2	2.1	19.91	-82.0	6.58	2.00
11:02 AM	6.79	2.595	30.0	2.0	19.82	-82.9	-	-
11:07 AM	6.79	2.627	21.0	1.9	19.86	-85.5	-	-
11:12 AM	6.80	2.520	37.4	2.8	19.56	-76.3	-	3.75
11:17 AM	6.79	2.505	25.4	2.9	20.31	-75.0	-	-
11:22 AM	6.78	2.608	19.5	1.9	20.17	-83.1	-	-
11:27 AM	6.8	2.776	17.2	1.7	20.21	-90.5	-	-
11:32 AM	6.80	2.760	16.4	1.7	20.13	-90.5	-	5.8
11:37 AM	6.79	2.736	12.0	2.0	20.14	-85.5	-	-
11:42 AM	6.78	2.720	10.2	2.1	20.04	-83.6	-	-
11:47 AM	6.77	2.717	8.6	2.3	20.23	-82.1	-	-
11:52 AM	6.77	2.759	9.1	2.1	20.06	-83.5	-	7.3
11:57 AM	6.77	2.698	8.8	2.7	20.74	-76.5	6.59	-

Notes/Remarks

1. Samples analyzed for:

TCL/TAL List (VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals [Filtered and Unfiltered]), Cyanide, Trivalent Chromium, Hex Chromium

Stabilization Requirements

1. pH = +/- 0.1 units
2. Conductivity = +/- 3%
3. Turbidity = +/- 10% for values > 5 NTU; values < 5 NTU consider stabilized
4. Dissolved Oxygen = +/- 10% for values > 0.5 mg/L; values < 0.5 mg/L consider stabilized.
5. Temperature = +/- 3%
6. Oxidation/Reduction Potential = +/- 10mV

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APPENDIX F

LABORATORY ANALYTICAL DATA REPORTS – SOIL VAPOR

ANALYTICAL REPORT

Lab Number:	L1419089
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	08/28/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1419089-01	SV-19_082114	SOIL_VAPOR	BROOKLYN, NY	08/21/14 11:20	08/21/14
L1419089-02	SV-20_082114	SOIL_VAPOR	BROOKLYN, NY	08/21/14 13:41	08/21/14
L1419089-03	SV-21_082114	SOIL_VAPOR	BROOKLYN, NY	08/21/14 12:57	08/21/14
L1419089-04	SV-22_082114	SOIL_VAPOR	BROOKLYN, NY	08/21/14 12:25	08/21/14
L1419089-05	SV-23_082114	SOIL_VAPOR	BROOKLYN, NY	08/21/14 12:42	08/21/14
L1419089-06	SV-24_082114	SOIL_VAPOR	BROOKLYN, NY	08/21/14 12:07	08/21/14
L1419089-07	G1-SVDUP_082114	SOIL_VAPOR	BROOKLYN, NY	08/21/14 13:41	08/21/14
L1419089-08	G1-AA01_082114	AIR	BROOKLYN, NY	08/21/14 11:20	08/21/14

Project Name: GREENPOINT LANDING **Lab Number:** L1419089
Project Number: 170229002 **Report Date:** 08/28/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1419089
Project Number: 170229002 **Report Date:** 08/28/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 19, 2014. The canister certification results are provided as an addendum.

Samples L1419089-01, -03, -04, -05 and -06 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Samples L1419089-01 through -04, -06 and -07 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Samples L1419089-01, -02, -06 and -07 The presence of 2,2,4-Trimethylpentane could not be determined in these samples due to a non-target compound interfering with the identification and quantification of this compound.

Samples L1419089-02 and -07 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Samples L1419089-03, -04 and -05 were diluted and re-analyzed to quantify the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Samples L1419089-06 The presence of 4-Ethyltoluene could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 08/28/14

AIR

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-01 D
Client ID: SV-19_082114
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/23/14 19:48
Analyst: RY

Date Collected: 08/21/14 11:20
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	2680	25.0	--	5050	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	186	10.0	--	442	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	884	5.00	--	2170	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	27.7	2.00	--	86.3	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	32.2	2.00	--	95.0	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-01 D
Client ID: SV-19_082114
Sample Location: BROOKLYN, NY

Date Collected: 08/21/14 11:20
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	25.4	2.00	--	74.9	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	29.2	2.00	--	103	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	4.87	2.00	--	15.6	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	17.2	2.00	--	59.2	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	7.85	2.00	--	32.2	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	39.9	2.00	--	150	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	2.86	2.00	--	12.4	8.69	--		10
p/m-Xylene	10.4	4.00	--	45.2	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-01 D
Client ID: SV-19_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 11:20
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	4.24	2.00	--	18.4	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	2.47	2.00	--	12.1	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	9.69	2.00	--	58.3	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-02 D
Client ID: SV-20_082114
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/23/14 20:20
Analyst: RY

Date Collected: 08/21/14 13:41
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	4.27	1.00	--	9.45	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	16.9	12.5	--	31.8	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	85.0	5.00	--	202	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	2.71	2.50	--	6.66	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	3.90	2.50	--	11.8	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	13.6	1.00	--	42.4	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	10.2	1.00	--	30.1	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-02 D
Client ID: SV-20_082114
Sample Location: BROOKLYN, NY

Date Collected: 08/21/14 13:41
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	42.1	1.00	--	148	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	2.62	1.00	--	8.37	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	19.0	1.00	--	65.4	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	12.9	1.00	--	52.9	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	8.90	1.00	--	33.5	3.77	--		5
2-Hexanone	3.20	1.00	--	13.1	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	3.46	1.00	--	15.0	4.34	--		5
p/m-Xylene	16.0	2.00	--	69.5	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	24.3	1.00	--	103	4.26	--		5

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-02 D
Client ID: SV-20_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 13:41
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	6.72	1.00	--	29.2	4.34	--		5
4-Ethyltoluene	2.38	1.00	--	11.7	4.92	--		5
1,3,5-Trimethylbenzene	2.72	1.00	--	13.4	4.92	--		5
1,2,4-Trimethylbenzene	10.0	1.00	--	49.2	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-03 D
Client ID: SV-21_082114
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/23/14 20:52
Analyst: RY

Date Collected: 08/21/14 12:57
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	4.59	2.00	--	9.48	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	4550	25.0	--	8570	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	285	10.0	--	677	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	1580	5.00	--	3880	12.3	--	E	10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	5.67	5.00	--	17.2	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	47.1	2.00	--	139	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-03 D
Client ID: SV-21_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 12:57
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	36.0	2.00	--	106	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	5.66	2.00	--	19.9	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	2.45	2.00	--	7.83	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	2.86	2.00	--	9.84	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	20.2	2.00	--	109	10.7	--		10
2,2,4-Trimethylpentane	3.48	2.00	--	16.3	9.34	--		10
Heptane	3.84	2.00	--	15.7	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	34.6	2.00	--	130	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	2.48	2.00	--	10.8	8.69	--		10
p/m-Xylene	9.03	4.00	--	39.2	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-03 D
Client ID: SV-21_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 12:57
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	3.65	2.00	--	15.9	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	2.35	2.00	--	11.6	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	9.50	2.00	--	57.1	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1419089-03 D2	Date Collected:	08/21/14 12:57
Client ID:	SV-21_082114	Date Received:	08/21/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	08/26/14 02:53		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	1640	10.0	--	4030	24.6	--		20

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-04 D
Client ID: SV-22_082114
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/23/14 21:23
Analyst: RY

Date Collected: 08/21/14 12:25
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	2.03	2.00	--	4.19	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	3080	25.0	--	5800	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	281	10.0	--	668	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	1020	5.00	--	2510	12.3	--	E	10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	11.0	5.00	--	33.3	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	54.4	2.00	--	160	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-04 D
Client ID: SV-22_082114
Sample Location: BROOKLYN, NY

Date Collected: 08/21/14 12:25
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	65.3	2.00	--	193	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	7.69	2.00	--	27.1	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	2.09	2.00	--	6.68	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	2.23	2.00	--	7.68	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	38.5	2.00	--	207	10.7	--		10
2,2,4-Trimethylpentane	2.57	2.00	--	12.0	9.34	--		10
Heptane	3.99	2.00	--	16.4	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	33.6	2.00	--	127	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	2.50	2.00	--	10.9	8.69	--		10
p/m-Xylene	8.95	4.00	--	38.9	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-04 D
Client ID: SV-22_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 12:25
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	3.82	2.00	--	16.6	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	2.49	2.00	--	12.2	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	12.3	2.00	--	74.0	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1419089-04 D2	Date Collected:	08/21/14 12:25
Client ID:	SV-22_082114	Date Received:	08/21/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	08/26/14 03:25		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	1050	10.0	--	2580	24.6	--		20

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-05 D
Client ID: SV-23_082114
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/23/14 21:55
Analyst: RY

Date Collected: 08/21/14 12:42
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	2.41	2.00	--	4.98	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	3900	25.0	--	7350	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	265	10.0	--	629	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	1350	5.00	--	3320	12.3	--	E	10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	6.48	5.00	--	19.6	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	51.9	2.00	--	153	5.90	--		10
cis-1,2-Dichloroethene	5.74	2.00	--	22.8	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-05 D
Client ID: SV-23_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 12:42
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	57.7	2.00	--	170	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	3.06	2.00	--	10.8	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	2.35	2.00	--	8.09	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	22.0	2.00	--	118	10.7	--		10
2,2,4-Trimethylpentane	3.04	2.00	--	14.2	9.34	--		10
Heptane	3.35	2.00	--	13.7	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	35.3	2.00	--	133	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	2.57	2.00	--	11.2	8.69	--		10
p/m-Xylene	8.85	4.00	--	38.4	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-05 D
Client ID: SV-23_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 12:42
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	3.58	2.00	--	15.5	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	2.33	2.00	--	11.5	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	10.5	2.00	--	63.1	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1419089-05 D2	Date Collected:	08/21/14 12:42
Client ID:	SV-23_082114	Date Received:	08/21/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	08/26/14 03:57		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	1370	10.0	--	3370	24.6	--		20.08

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-06 D
Client ID: SV-24_082114
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/23/14 22:27
Analyst: RY

Date Collected: 08/21/14 12:07
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	23.6	2.00	--	48.7	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	5.83	2.00	--	12.9	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	1990	25.0	--	3750	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	916	10.0	--	2180	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	762	5.00	--	1870	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	5.85	5.00	--	17.7	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	60.0	2.00	--	187	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	39.3	2.00	--	116	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-06 D
Client ID: SV-24_082114
Sample Location: BROOKLYN, NY

Date Collected: 08/21/14 12:07
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	19.5	2.00	--	57.5	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	259	2.00	--	913	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	134	2.00	--	428	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	16.8	2.00	--	57.8	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	64.9	2.00	--	349	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	101	2.00	--	414	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	407	2.00	--	1530	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	62.3	2.00	--	271	8.69	--		10
p/m-Xylene	170	4.00	--	738	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	10.1	2.00	--	43.0	8.52	--		10

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-06 D
Client ID: SV-24_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 12:07
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	60.8	2.00	--	264	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	10.9	2.00	--	53.6	9.83	--		10
1,2,4-Trimethylbenzene	10.9	2.00	--	53.6	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	8.61	2.00	--	51.8	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-07 D
Client ID: G1-SVDUP_082114
Sample Location: BROOKLYN, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/26/14 01:17
Analyst: RY

Date Collected: 08/21/14 13:41
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	3.95	1.00	--	8.74	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	18.1	12.5	--	34.1	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	73.6	5.00	--	175	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	3.70	2.50	--	11.2	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	12.8	1.00	--	39.9	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	9.98	1.00	--	29.4	2.95	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-07 D
Client ID: G1-SVDUP_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 13:41
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	39.9	1.00	--	141	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	2.44	1.00	--	7.80	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	18.1	1.00	--	62.3	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	12.4	1.00	--	50.8	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	8.92	1.00	--	33.6	3.77	--		5
2-Hexanone	2.68	1.00	--	11.0	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	3.46	1.00	--	15.0	4.34	--		5
p/m-Xylene	15.3	2.00	--	66.5	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	23.5	1.00	--	100	4.26	--		5

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-07 D
Client ID: G1-SVDUP_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 13:41
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	6.42	1.00	--	27.9	4.34	--		5
4-Ethyltoluene	2.26	1.00	--	11.1	4.92	--		5
1,3,5-Trimethylbenzene	2.65	1.00	--	13.0	4.92	--		5
1,2,4-Trimethylbenzene	9.78	1.00	--	48.1	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-08
Client ID: G1-AA01_082114
Sample Location: BROOKLYN, NY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/23/14 19:16
Analyst: RY

Date Collected: 08/21/14 11:20
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.369	0.200	--	1.82	0.989	--		1
Chloromethane	0.495	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.25	2.50	--	17.4	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.58	1.00	--	15.6	2.38	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
Isopropanol	0.902	0.500	--	2.22	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.582	0.500	--	2.02	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.733	0.200	--	2.16	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-08
Client ID: G1-AA01_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 11:20
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.932	0.200	--	2.75	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.286	0.200	--	1.01	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.236	0.200	--	0.754	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.232	0.200	--	1.08	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.862	0.200	--	3.25	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.207	0.200	--	1.40	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1419089-08
Client ID: G1-AA01_082114
Sample Location: BROOKLYN, NY
Date Collected: 08/21/14 11:20
Date Received: 08/21/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/23/14 11:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06,08 Batch: WG716380-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/23/14 11:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06,08 Batch: WG716380-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/23/14 11:20

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06,08 Batch: WG716380-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/25/14 14:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03-05,07 Batch: WG716380-9								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/25/14 14:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03-05,07 Batch: WG716380-9								
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/25/14 14:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 03-05,07 Batch: WG716380-9								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08 Batch: WG716380-3								
Chlorodifluoromethane	85		-		70-130	-		
Propylene	100		-		70-130	-		
Propane	85		-		70-130	-		
Dichlorodifluoromethane	75		-		70-130	-		
Chloromethane	95		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	90		-		70-130	-		
Methanol	102		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Butane	93		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	96		-		70-130	-		
Ethyl Alcohol	119		-		70-130	-		
Dichlorofluoromethane	87		-		70-130	-		
Vinyl bromide	86		-		70-130	-		
Acrolein	94		-		70-130	-		
Acetone	105		-		70-130	-		
Acetonitrile	102		-		70-130	-		
Trichlorofluoromethane	93		-		70-130	-		
iso-Propyl Alcohol	110		-		70-130	-		
Acrylonitrile	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08 Batch: WG716380-3								
Pentane	96		-		70-130	-		
Ethyl ether	94		-		70-130	-		
1,1-Dichloroethene	91		-		70-130	-		
tert-Butyl Alcohol	92		-		70-130	-		
Methylene chloride	97		-		70-130	-		
3-Chloropropene	99		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		-		70-130	-		
trans-1,2-Dichloroethene	84		-		70-130	-		
1,1-Dichloroethane	90		-		70-130	-		
Methyl tert butyl ether	87		-		70-130	-		
Vinyl acetate	130		-		70-130	-		
2-Butanone	95		-		70-130	-		
cis-1,2-Dichloroethene	101		-		70-130	-		
Ethyl Acetate	96		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
2,2-Dichloropropane	84		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	102		-		70-130	-		
Isopropyl Ether	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08 Batch: WG716380-3								
Ethyl-Tert-Butyl-Ether	94		-		70-130	-		
1,1,1-Trichloroethane	101		-		70-130	-		
1,1-Dichloropropene	97		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	101		-		70-130	-		
Tertiary-Amyl Methyl Ether	93		-		70-130	-		
Dibromomethane	94		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	103		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	94		-		70-130	-		
2,2,4-Trimethylpentane	103		-		70-130	-		
Methyl methacrylate	118		-		70-130	-		
Heptane	105		-		70-130	-		
cis-1,3-Dichloropropene	107		-		70-130	-		
4-Methyl-2-pentanone	109		-		70-130	-		
trans-1,3-Dichloropropene	91		-		70-130	-		
1,1,2-Trichloroethane	101		-		70-130	-		
Toluene	85		-		70-130	-		
1,3-Dichloropropane	82		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419089
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08 Batch: WG716380-3								
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	83		-		70-130	-		
1,2-Dibromoethane	88		-		70-130	-		
Butyl Acetate	78		-		70-130	-		
Octane	78		-		70-130	-		
Tetrachloroethene	80		-		70-130	-		
1,1,1,2-Tetrachloroethane	80		-		70-130	-		
Chlorobenzene	84		-		70-130	-		
Ethylbenzene	88		-		70-130	-		
p/m-Xylene	88		-		70-130	-		
Bromoform	86		-		70-130	-		
Styrene	86		-		70-130	-		
1,1,2,2-Tetrachloroethane	92		-		70-130	-		
o-Xylene	90		-		70-130	-		
1,2,3-Trichloropropane	76		-		70-130	-		
Nonane (C9)	87		-		70-130	-		
Isopropylbenzene	83		-		70-130	-		
Bromobenzene	88		-		70-130	-		
o-Chlorotoluene	79		-		70-130	-		
n-Propylbenzene	80		-		70-130	-		
p-Chlorotoluene	83		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06,08 Batch: WG716380-3								
4-Ethyltoluene	79		-		70-130	-		
1,3,5-Trimethylbenzene	87		-		70-130	-		
tert-Butylbenzene	82		-		70-130	-		
1,2,4-Trimethylbenzene	91		-		70-130	-		
Decane (C10)	87		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	85		-		70-130	-		
1,4-Dichlorobenzene	85		-		70-130	-		
sec-Butylbenzene	83		-		70-130	-		
p-Isopropyltoluene	77		-		70-130	-		
1,2-Dichlorobenzene	86		-		70-130	-		
n-Butylbenzene	89		-		70-130	-		
1,2-Dibromo-3-chloropropane	82		-		70-130	-		
Undecane	92		-		70-130	-		
Dodecane (C12)	106		-		70-130	-		
1,2,4-Trichlorobenzene	91		-		70-130	-		
Naphthalene	91		-		70-130	-		
1,2,3-Trichlorobenzene	88		-		70-130	-		
Hexachlorobutadiene	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03-05,07 Batch: WG716380-8								
Dichlorodifluoromethane	87		-		70-130	-		
Chloromethane	96		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	91		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	103		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	96		-		70-130	-		
Ethyl Alcohol	113		-		70-130	-		
Vinyl bromide	87		-		70-130	-		
Acetone	106		-		70-130	-		
Trichlorofluoromethane	94		-		70-130	-		
iso-Propyl Alcohol	105		-		70-130	-		
1,1-Dichloroethene	92		-		70-130	-		
tert-Butyl Alcohol	88		-		70-130	-		
Methylene chloride	104		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	92		-		70-130	-		
trans-1,2-Dichloroethene	85		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03-05,07 Batch: WG716380-8								
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	101		-		70-130	-		
Ethyl Acetate	94		-		70-130	-		
Chloroform	92		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	103		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	103		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	105		-		70-130	-		
1,4-Dioxane	98		-		70-130	-		
Trichloroethene	106		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	112		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 03-05,07 Batch: WG716380-8								
Toluene	87		-		70-130	-		
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	86		-		70-130	-		
1,2-Dibromoethane	87		-		70-130	-		
Tetrachloroethene	81		-		70-130	-		
Chlorobenzene	86		-		70-130	-		
Ethylbenzene	88		-		70-130	-		
p/m-Xylene	89		-		70-130	-		
Bromoform	87		-		70-130	-		
Styrene	88		-		70-130	-		
1,1,2,2-Tetrachloroethane	84		-		70-130	-		
o-Xylene	90		-		70-130	-		
4-Ethyltoluene	82		-		70-130	-		
1,3,5-Trimethylbenzene	88		-		70-130	-		
1,2,4-Trimethylbenzene	92		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	86		-		70-130	-		
1,4-Dichlorobenzene	86		-		70-130	-		
1,2-Dichlorobenzene	87		-		70-130	-		
1,2,4-Trichlorobenzene	90		-		70-130	-		
Hexachlorobutadiene	86		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG716380-5 QC Sample: L1419084-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.512	0.267	ppbV	**63**	Q	25
Chloromethane	0.490	0.505	ppbV	3		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	7.31	7.47	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	4.40	4.40	ppbV	0		25
Trichlorofluoromethane	0.208	0.209	ppbV	0		25
iso-Propyl Alcohol	0.899	0.897	ppbV	0		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	3.97	3.94	ppbV	1		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG716380-5 QC Sample: L1419084-02 Client ID: DUP Sample

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
2-Butanone	0.290	0.294	ppbV	1	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	0.262	0.276	ppbV	5	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.647	0.658	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG716380-5 QC Sample: L1419084-02 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: GREENPOINT LANDING

Lab Number: L1419089

Project Number: 170229002

Report Date: 08/28/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1419089-01	SV-19_082114	0073	#16 AMB	08/19/14	107174		-	-	-	Pass	18.0	18.4	2
L1419089-01	SV-19_082114	373	2.7L Can	08/19/14	107174	L1418520-02	Pass	-29.6	-6.3	-	-	-	-
L1419089-02	SV-20_082114	0453	#30 SV	08/19/14	107174		-	-	-	Pass	18.0	18.3	2
L1419089-02	SV-20_082114	491	2.7L Can	08/19/14	107174	L1418520-02	Pass	-29.6	-6.2	-	-	-	-
L1419089-03	SV-21_082114	0385	#16 AMB	08/19/14	107174		-	-	-	Pass	18.0	19.8	10
L1419089-03	SV-21_082114	135	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.6	-5.5	-	-	-	-
L1419089-04	SV-22_082114	0349	#20 SV	08/19/14	107174		-	-	-	Pass	18.0	20.0	11
L1419089-04	SV-22_082114	538	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.6	-5.0	-	-	-	-
L1419089-05	SV-23_082114	0006	#16 AMB	08/19/14	107174		-	-	-	Pass	18.0	19.0	5
L1419089-05	SV-23_082114	492	2.7L Can	08/19/14	107174	L1418520-01	Pass	-29.5	-4.6	-	-	-	-
L1419089-06	SV-24_082114	0068	#20 AMB	08/19/14	107174		-	-	-	Pass	18.0	20.3	12
L1419089-06	SV-24_082114	377	2.7L Can	08/19/14	107174	L1418520-02	Pass	-28.5	-2.6	-	-	-	-
L1419089-07	G1-SVDUP_082114	0204	#30 SV	08/19/14	107174		-	-	-	Pass	18.0	18.5	3
L1419089-07	G1-SVDUP_082114	1744	2.7L Can	08/19/14	107174	L1418520-02	Pass	-28.3	-5.0	-	-	-	-
L1419089-08	G1-AA01_082114	0258	#16 AMB	08/19/14	107174		-	-	-	Pass	17.9	18.7	4

Project Name: GREENPOINT LANDING

Lab Number: L1419089

Project Number: 170229002

Report Date: 08/28/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1419089-08	G1-AA01_082114	416	2.7L Can	08/19/14	107174	L1418520-02	Pass	-28.5	-5.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID:	L1418520-01	Date Collected:	08/14/14 17:41
Client ID:	CAN 348 SHELF 2	Date Received:	08/15/14
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	08/15/14 10:47		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01 Date Collected: 08/14/14 17:41

Client ID: CAN 348 SHELF 2 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01 Date Collected: 08/14/14 17:41

Client ID: CAN 348 SHELF 2 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01 Date Collected: 08/14/14 17:41

Client ID: CAN 348 SHELF 2 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID:	L1418520-01	Date Collected:	08/14/14 17:41
Client ID:	CAN 348 SHELF 2	Date Received:	08/15/14
Sample Location:		Field Prep:	Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	98		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID:	L1418520-01	Date Collected:	08/14/14 17:41
Client ID:	CAN 348 SHELF 2	Date Received:	08/15/14
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	08/15/14 10:47		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01 Date Collected: 08/14/14 17:41

Client ID: CAN 348 SHELF 2 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-01 Date Collected: 08/14/14 17:41

Client ID: CAN 348 SHELF 2 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID:	L1418520-02	Date Collected:	08/14/14 17:57
Client ID:	CAN 144 SHELF 3	Date Received:	08/15/14
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	08/15/14 11:19		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-02 Date Collected: 08/14/14 17:57

Client ID: CAN 144 SHELF 3 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-02 Date Collected: 08/14/14 17:57

Client ID: CAN 144 SHELF 3 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-02 Date Collected: 08/14/14 17:57

Client ID: CAN 144 SHELF 3 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-02 Date Collected: 08/14/14 17:57

Client ID: CAN 144 SHELF 3 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID:	L1418520-02	Date Collected:	08/14/14 17:57
Client ID:	CAN 144 SHELF 3	Date Received:	08/15/14
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	08/15/14 11:19		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-02 Date Collected: 08/14/14 17:57

Client ID: CAN 144 SHELF 3 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1418520

Project Number: CANISTER QC BAT **Report Date:** 08/28/14

Air Canister Certification Results

Lab ID: L1418520-02 Date Collected: 08/14/14 17:57

Client ID: CAN 144 SHELF 3 Date Received: 08/15/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419089
Report Date: 08/28/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419089-01A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1419089-02A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1419089-03A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1419089-04A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1419089-05A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1419089-06A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1419089-07A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1419089-08A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419089
Project Number:	170229002	**Report Date:**	08/28/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: Data Usability Report

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419089
Project Number:	170229002	**Report Date:**	08/28/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Soil VAPOR

Serial_No:08281413:46

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1419089

Client Information

Client: LANGAN, D.P.C.
Address:
Phone:
Fax:
Email: gwyka@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229.002
Project Manager: MIMI RANGORODETSKY
ALPHA Quote #: 2014687

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: (Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NYSDOH	AGVs	

Other Project Specific Requirements/Comments:
1) PROVIDE EDDS
2) PROVIDE ASP CATEGORY B DELIVERABLE EGUN.

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
	SV-19_082114	8/21/14	9:20	11:20	-29.63	-5.16	SV	AM	2.7L	373	0073		X						PID = 6.5 ppm
	SV-20_082114		11:41	13:41	-30.06	-4.86	SV			491	0453		X						0.3 ppm
	SV-21_082114		10:57	12:57	-29.63	-3.98	SV			135	0385		X						0.3 ppm
	SV-22_082114		10:25	12:25	-30.25	-4.2	SV			538	0349		X						1.3 ppm
	SV-23_082114		10:42	12:42	-30.41	-3.9	SV			492	0006		X						1.7 ppm
	SV-24_082114		10:07	12:07	-29.13	-1.63	SV			377	0068		X						33.7 ppm
	G1_SVDUP_082114		11:41	13:41	-28.99	-3.94	SV			1744	0204		X						–
	G1_AA01_082114		9:20	11:20	-29.38	-4.88	AA			416	0258		X						–

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 2.7L SUMMA ✓

Relinquished By:	Date/Time	Received By:	Date/Time:
	08/21/14 @ 14:35		8-21-14 1435
	8-21-14 19:00		8/21/14 19:09
	8/22/14 0:50		8/22/14 00:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (19-Jun-09)

APPENDIX G

LABORATORY ANALYTICAL DATA REPORTS – SOIL

ANALYTICAL REPORT

Lab Number:	L1418990
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	08/28/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1418990-01	SB-33_0-2	SOIL	BROOKLYN, NY	08/20/14 11:30	08/20/14
L1418990-02	SB-33_3-5	SOIL	BROOKLYN, NY	08/20/14 11:35	08/20/14
L1418990-03	SB-34_0-2	SOIL	BROOKLYN, NY	08/20/14 10:00	08/20/14
L1418990-04	SB-34_3-5	SOIL	BROOKLYN, NY	08/20/14 10:05	08/20/14
L1418990-05	SB-35_0-2	SOIL	BROOKLYN, NY	08/20/14 09:41	08/20/14
L1418990-06	SB-35_3-5	SOIL	BROOKLYN, NY	08/20/14 09:43	08/20/14
L1418990-07	SB-36_0-2	SOIL	BROOKLYN, NY	08/20/14 09:45	08/20/14
L1418990-08	SB-36_3-5	SOIL	BROOKLYN, NY	08/20/14 09:48	08/20/14
L1418990-09	SB-37_0-2	SOIL	BROOKLYN, NY	08/20/14 14:00	08/20/14
L1418990-10	SB-37_3-5	SOIL	BROOKLYN, NY	08/20/14 14:05	08/20/14
L1418990-11	G1_SODUP01_3-5	SOIL	BROOKLYN, NY	08/20/14 11:35	08/20/14
L1418990-12	G1_SOFB01_082014	WATER	BROOKLYN, NY	08/20/14 14:15	08/20/14
L1418990-13	G1_SOTB01_082014	WATER	BROOKLYN, NY	08/20/14 00:00	08/20/14

Project Name: GREENPOINT LANDING **Lab Number:** L1418990
Project Number: 170229002 **Report Date:** 08/28/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1418990
Project Number: 170229002 **Report Date:** 08/28/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1418990-11: The internal standard (IS) response for 1,4-Dichlorobenzene-d4 (22%) and the surrogate recoveries for toluene-d8 (135%) and 4-bromofluorobenzene (171%) were outside the acceptance criteria; however, re-analysis achieved similar results: Chlorobenzene-d5 (46%), and 1,4-Dichlorobenzene-d4 (13%) and toluene-d8 (144%) and 4-bromofluorobenzene (196%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.

The WG716806-4/-5 MS/MSD recoveries, performed on L1418990-08, are outside the acceptance criteria for vinyl acetate (MSD, 65%), 1,2-dibromo-3-chloropropane (64%/65%), hexachlorobutadiene (57%/45%), 1,2,3-trichlorobenzene (65%/62%), 1,2,4-trichlorobenzene (67%/63%), bromomethane (156%/149%), vinyl chloride (150%/142%), and chloroethane (176%/160%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Semivolatile Organics

The WG715914-4/-5 MS/MSD recoveries, performed on L1418990-08, are below the acceptance criteria for 3,3'-dichlorobenzidine (MS, 0%), 2,4-dinitrophenol (MSD, 0%) and benzoic acid (0%/0%) due to the concentration of these compounds falling below the reported detection limit.

The WG715914-4/-5 MS/MSD recoveries, performed on L1418990-08, are outside the acceptance criteria for 2,4-dinitrotoluene (100%/100%), fluoranthene (150%/220%), benzo(a)anthracene (MSD, 180%), benzo(a)pyrene (MSD, 180%), benzo(b)fluoranthene (160%/200%), chrysene (MSD,180%), phenanthrene (MSD, 190%), indeno(1,2,3-cd)pyrene (160%) and pyrene (150%/220%).

PCBs

The WG716238-3 LCSD recoveries are outside the acceptance criteria for aroclor 1016 (32%) and aroclor

Case Narrative (continued)

1260 (24%). In addition, the surrogate recoveries are outside of acceptance criteria for decachlorobiphenyl (23%/25%).

Pesticides

L1418990-02 has elevated detection limits due to the dilution required by the sample matrix.

Metals

L1418990-01 through -11 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

L1418990-03 and -08 have elevated detection limits for calcium due to the dilution required to quantitate the result within the calibration range.

The WG715672-3 MS recovery, performed on L1418990-08, is outside the acceptance criteria for mercury (75%). A post digestion spike was performed and was within acceptance criteria.

The WG715937-3/-4 MS/MSD recoveries for calcium (7020%/0%), performed on L1418990-08, do not apply because the sample concentration is greater than four times the spike amount added.

The WG715937-3/-4 MS/MSD recoveries for aluminum (MS, 376%) and iron (2510%/6250%), performed on L1418990-08, do not apply because the sample concentration is greater than four times the spike amount added.

The WG715937-3/-4 MS/MSD recoveries, performed on L1418990-08, are outside the acceptance criteria for barium (63%/162%), copper (MSD, 190%), lead (0%/147%), magnesium (150%/137%), manganese (MSD, 475%), sodium (MS, 134%), and zinc (0%/250%). A post digestion spike was performed and yielded unacceptable recoveries for magnesium (78%), sodium (60%), lead (59%), and zinc (60%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG715937-3/-4 MS/MSD RPDs, performed on L1418990-08, are above the acceptance criteria for barium (38%), calcium (55%), copper (24%), lead (40%), manganese (59%), and zinc (40%).

Cyanide, Total

The WG715773-2 LCS recovery, associated with L1418990-01 through -10, is above our in-house

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Case Narrative (continued)

acceptance criteria (127%), but within the vendor-certified acceptance limits. The results of the original analyses are reported; however, all positive detects are considered to have a potentially high bias for this analyte.
The WG715779-2/-3 LCS/LCSD recoveries, associated with L1418990-11, are outside our in-house acceptance criteria (127%/72%), but within the vendor-certified acceptance limits. The results of the original analyses are reported; however, all positive detects are considered to have a potentially high bias for this analyte.

Chromium, Hexavalent
The WG716452-7 Soluble MS recovery, performed on L1418996-03, is outside the acceptance criteria. A post analytical spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 08/28/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-01	Date Collected:	08/20/14 11:30
Client ID:	SB-33_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 10:21		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	1.7	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.14	1
Chloroform	ND		ug/kg	2.4	0.58	1
Carbon tetrachloride	ND		ug/kg	1.6	0.33	1
1,2-Dichloropropane	ND		ug/kg	5.5	0.36	1
Dibromochloromethane	ND		ug/kg	1.6	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.48	1
Tetrachloroethene	ND		ug/kg	1.6	0.22	1
Chlorobenzene	ND		ug/kg	1.6	0.55	1
Trichlorofluoromethane	ND		ug/kg	7.9	0.61	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.9	0.22	1
Bromoform	ND		ug/kg	6.3	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.16	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	0.41	J	ug/kg	2.4	0.31	1
Ethylbenzene	ND		ug/kg	1.6	0.20	1
Chloromethane	ND		ug/kg	7.9	0.46	1
Bromomethane	ND		ug/kg	3.2	0.53	1
Vinyl chloride	ND		ug/kg	3.2	0.18	1
Chloroethane	ND		ug/kg	3.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	7.9	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	7.9	0.21	1

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SAMPLE RESULTS

Lab ID: L1418990-01 Date Collected: 08/20/14 11:30

Client ID: SB-33_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	7.9	0.22	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.13	1
p/m-Xylene	0.63	J	ug/kg	3.2	0.31	1
o-Xylene	ND		ug/kg	3.2	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.2	0.64	1
Dichlorodifluoromethane	ND		ug/kg	16	0.30	1
Acetone	ND		ug/kg	16	1.6	1
Carbon disulfide	ND		ug/kg	16	1.7	1
2-Butanone	ND		ug/kg	16	0.43	1
Vinyl acetate	ND		ug/kg	16	0.21	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.26	1
2-Hexanone	ND		ug/kg	16	1.0	1
Bromochloromethane	ND		ug/kg	7.9	0.44	1
2,2-Dichloropropane	ND		ug/kg	7.9	0.36	1
1,2-Dibromoethane	ND		ug/kg	6.3	0.28	1
1,3-Dichloropropane	ND		ug/kg	7.9	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.50	1
Bromobenzene	ND		ug/kg	7.9	0.33	1
n-Butylbenzene	ND		ug/kg	1.6	0.18	1
sec-Butylbenzene	ND		ug/kg	1.6	0.19	1
tert-Butylbenzene	ND		ug/kg	7.9	0.21	1
o-Chlorotoluene	ND		ug/kg	7.9	0.25	1
p-Chlorotoluene	ND		ug/kg	7.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.9	0.63	1
Hexachlorobutadiene	ND		ug/kg	7.9	0.36	1
Isopropylbenzene	ND		ug/kg	1.6	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.20	1
Naphthalene	ND		ug/kg	7.9	0.22	1
Acrylonitrile	ND		ug/kg	16	0.81	1
n-Propylbenzene	ND		ug/kg	1.6	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.9	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.9	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.9	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.9	0.22	1
Methyl Acetate	ND		ug/kg	32	0.43	1
Cyclohexane	ND		ug/kg	32	0.23	1

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SAMPLE RESULTS

Lab ID: L1418990-01 Date Collected: 08/20/14 11:30

Client ID: SB-33_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	160	23.	1
Freon-113	ND		ug/kg	32	0.43	1
p-Diethylbenzene	ND		ug/kg	6.3	0.25	1
p-Ethyltoluene	ND		ug/kg	6.3	0.20	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.3	0.20	1
Ethyl ether	ND		ug/kg	7.9	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.9	0.62	1
Methyl cyclohexane	ND		ug/kg	6.3	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

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SAMPLE RESULTS

Lab ID:	L1418990-02	Date Collected:	08/20/14 11:35
Client ID:	SB-33_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 10:47		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	1.8	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.14	1
Chloroform	ND		ug/kg	2.4	0.59	1
Carbon tetrachloride	ND		ug/kg	1.6	0.33	1
1,2-Dichloropropane	ND		ug/kg	5.6	0.36	1
Dibromochloromethane	ND		ug/kg	1.6	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.48	1
Tetrachloroethene	ND		ug/kg	1.6	0.22	1
Chlorobenzene	ND		ug/kg	1.6	0.55	1
Trichlorofluoromethane	ND		ug/kg	7.9	0.62	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.9	0.22	1
Bromoform	ND		ug/kg	6.4	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.16	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	0.56	J	ug/kg	2.4	0.31	1
Ethylbenzene	ND		ug/kg	1.6	0.20	1
Chloromethane	ND		ug/kg	7.9	0.47	1
Bromomethane	ND		ug/kg	3.2	0.54	1
Vinyl chloride	ND		ug/kg	3.2	0.19	1
Chloroethane	ND		ug/kg	3.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	7.9	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	7.9	0.21	1

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SAMPLE RESULTS

Lab ID: L1418990-02 Date Collected: 08/20/14 11:35

Client ID: SB-33_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	7.9	0.22	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.13	1
p/m-Xylene	0.65	J	ug/kg	3.2	0.31	1
o-Xylene	ND		ug/kg	3.2	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.2	0.64	1
Dichlorodifluoromethane	ND		ug/kg	16	0.30	1
Acetone	ND		ug/kg	16	1.6	1
Carbon disulfide	ND		ug/kg	16	1.8	1
2-Butanone	ND		ug/kg	16	0.43	1
Vinyl acetate	ND		ug/kg	16	0.21	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.39	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.26	1
2-Hexanone	ND		ug/kg	16	1.0	1
Bromochloromethane	ND		ug/kg	7.9	0.44	1
2,2-Dichloropropane	ND		ug/kg	7.9	0.36	1
1,2-Dibromoethane	ND		ug/kg	6.4	0.28	1
1,3-Dichloropropane	ND		ug/kg	7.9	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.50	1
Bromobenzene	ND		ug/kg	7.9	0.33	1
n-Butylbenzene	ND		ug/kg	1.6	0.18	1
sec-Butylbenzene	ND		ug/kg	1.6	0.19	1
tert-Butylbenzene	ND		ug/kg	7.9	0.22	1
o-Chlorotoluene	ND		ug/kg	7.9	0.25	1
p-Chlorotoluene	ND		ug/kg	7.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.9	0.63	1
Hexachlorobutadiene	ND		ug/kg	7.9	0.36	1
Isopropylbenzene	ND		ug/kg	1.6	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.20	1
Naphthalene	ND		ug/kg	7.9	0.22	1
Acrylonitrile	ND		ug/kg	16	0.82	1
n-Propylbenzene	ND		ug/kg	1.6	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.9	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.9	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.9	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.9	0.22	1
Methyl Acetate	ND		ug/kg	32	0.43	1
Cyclohexane	ND		ug/kg	32	0.23	1

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SAMPLE RESULTS

Lab ID: L1418990-02 Date Collected: 08/20/14 11:35

Client ID: SB-33_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	160	23.	1
Freon-113	ND		ug/kg	32	0.44	1
p-Diethylbenzene	ND		ug/kg	6.4	0.25	1
p-Ethyltoluene	ND		ug/kg	6.4	0.20	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.4	0.21	1
Ethyl ether	ND		ug/kg	7.9	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.9	0.62	1
Methyl cyclohexane	ND		ug/kg	6.4	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	126		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-03	Date Collected:	08/20/14 10:00
Client ID:	SB-34_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 11:12		
Analyst:	BN		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.34	J	ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	3.5		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1

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Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-03 Date Collected: 08/20/14 10:00

Client ID: SB-34_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	0.47	J	ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	7.4	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.73	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
Methyl Acetate	ND		ug/kg	22	0.30	1
Cyclohexane	ND		ug/kg	22	0.16	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-03 Date Collected: 08/20/14 10:00

Client ID: SB-34_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1
Methyl cyclohexane	ND		ug/kg	4.4	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-04	Date Collected:	08/20/14 10:05
Client ID:	SB-34_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 11:37		
Analyst:	BN		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.34	J	ug/kg	1.6	0.21	1
Ethylbenzene	0.15	J	ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.4	0.32	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.13	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	1.5		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.14	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-04 Date Collected: 08/20/14 10:05

Client ID: SB-34_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	0.55	J	ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	ND		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.17	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.14	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
Methyl Acetate	ND		ug/kg	21	0.29	1
Cyclohexane	ND		ug/kg	21	0.16	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-04 Date Collected: 08/20/14 10:05

Client ID: SB-34_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.42	1
Methyl cyclohexane	ND		ug/kg	4.3	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-05	Date Collected:	08/20/14 09:41
Client ID:	SB-35_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 12:02		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.12	1
Chloroform	ND		ug/kg	2.1	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.54	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
1,1-Dichloropropene	ND		ug/kg	7.0	0.20	1
Bromoform	ND		ug/kg	5.6	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	0.41	J	ug/kg	2.1	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.18	1
Chloromethane	ND		ug/kg	7.0	0.41	1
Bromomethane	ND		ug/kg	2.8	0.47	1
Vinyl chloride	ND		ug/kg	2.8	0.16	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.29	1
Trichloroethene	1.0	J	ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.19	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-05 Date Collected: 08/20/14 09:41

Client ID: SB-35_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.12	1
p/m-Xylene	0.48	J	ug/kg	2.8	0.28	1
o-Xylene	ND		ug/kg	2.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.56	1
Dichlorodifluoromethane	ND		ug/kg	14	0.26	1
Acetone	ND		ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.38	1
Vinyl acetate	ND		ug/kg	14	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.23	1
2-Hexanone	ND		ug/kg	14	0.93	1
Bromochloromethane	ND		ug/kg	7.0	0.38	1
2,2-Dichloropropane	ND		ug/kg	7.0	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.24	1
1,3-Dichloropropane	ND		ug/kg	7.0	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	7.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	7.0	0.19	1
o-Chlorotoluene	ND		ug/kg	7.0	0.22	1
p-Chlorotoluene	ND		ug/kg	7.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	0.55	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.32	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
Naphthalene	ND		ug/kg	7.0	0.19	1
Acrylonitrile	ND		ug/kg	14	0.71	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.0	0.20	1
Methyl Acetate	ND		ug/kg	28	0.38	1
Cyclohexane	ND		ug/kg	28	0.20	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-05 Date Collected: 08/20/14 09:41

Client ID: SB-35_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	140	20.	1
Freon-113	ND		ug/kg	28	0.38	1
p-Diethylbenzene	ND		ug/kg	5.6	0.22	1
p-Ethyltoluene	ND		ug/kg	5.6	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.18	1
Ethyl ether	ND		ug/kg	7.0	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	0.54	1
Methyl cyclohexane	ND		ug/kg	5.6	0.21	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-06	Date Collected:	08/20/14 09:43
Client ID:	SB-35_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 12:28		
Analyst:	BN		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	1.7	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.13	1
Chloroform	ND		ug/kg	2.3	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.46	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.6	0.59	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.6	0.21	1
Bromoform	ND		ug/kg	6.1	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.15	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	0.51	J	ug/kg	2.3	0.30	1
Ethylbenzene	ND		ug/kg	1.5	0.19	1
Chloromethane	ND		ug/kg	7.6	0.44	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.18	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.32	1
Trichloroethene	0.58	J	ug/kg	1.5	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	7.6	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	7.6	0.20	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-06 Date Collected: 08/20/14 09:43

Client ID: SB-35_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	7.6	0.21	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.13	1
p/m-Xylene	0.86	J	ug/kg	3.0	0.30	1
o-Xylene	ND		ug/kg	3.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.25	1
Styrene	ND		ug/kg	3.0	0.61	1
Dichlorodifluoromethane	ND		ug/kg	15	0.29	1
Acetone	ND		ug/kg	15	1.6	1
Carbon disulfide	ND		ug/kg	15	1.7	1
2-Butanone	ND		ug/kg	15	0.41	1
Vinyl acetate	ND		ug/kg	15	0.20	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.25	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.6	0.42	1
2,2-Dichloropropane	ND		ug/kg	7.6	0.34	1
1,2-Dibromoethane	ND		ug/kg	6.1	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.6	0.32	1
n-Butylbenzene	ND		ug/kg	1.5	0.17	1
sec-Butylbenzene	ND		ug/kg	1.5	0.18	1
tert-Butylbenzene	ND		ug/kg	7.6	0.20	1
o-Chlorotoluene	ND		ug/kg	7.6	0.24	1
p-Chlorotoluene	ND		ug/kg	7.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.6	0.60	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.34	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.19	1
Naphthalene	ND		ug/kg	7.6	0.21	1
Acrylonitrile	ND		ug/kg	15	0.78	1
n-Propylbenzene	ND		ug/kg	1.5	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.6	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.6	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.6	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.6	0.21	1
Methyl Acetate	ND		ug/kg	30	0.41	1
Cyclohexane	ND		ug/kg	30	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-06 Date Collected: 08/20/14 09:43

Client ID: SB-35_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	150	22.	1
Freon-113	ND		ug/kg	30	0.42	1
p-Diethylbenzene	ND		ug/kg	6.1	0.24	1
p-Ethyltoluene	ND		ug/kg	6.1	0.19	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.1	0.20	1
Ethyl ether	ND		ug/kg	7.6	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	0.59	1
Methyl cyclohexane	ND		ug/kg	6.1	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-07	Date Collected:	08/20/14 09:45
Client ID:	SB-36_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 12:53		
Analyst:	BN		
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.5	0.50	1
1,2-Dichloroethane	0.34	J	ug/kg	1.3	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.5	0.18	1
Bromoform	ND		ug/kg	5.2	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	0.54	J	ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.5	0.38	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	6.5	0.18	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-07 Date Collected: 08/20/14 09:45

Client ID: SB-36_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.5	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	0.35	J	ug/kg	2.6	0.26	1
o-Xylene	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.52	1
Dichlorodifluoromethane	ND		ug/kg	13	0.25	1
Acetone	1.4	J	ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.35	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.86	1
Bromochloromethane	ND		ug/kg	6.5	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.5	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.5	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.5	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.5	0.18	1
o-Chlorotoluene	ND		ug/kg	6.5	0.21	1
p-Chlorotoluene	ND		ug/kg	6.5	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	0.51	1
Hexachlorobutadiene	ND		ug/kg	6.5	0.30	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.5	0.18	1
Acrylonitrile	ND		ug/kg	13	0.67	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.5	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.5	0.18	1
Methyl Acetate	ND		ug/kg	26	0.35	1
Cyclohexane	ND		ug/kg	26	0.19	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-07 Date Collected: 08/20/14 09:45

Client ID: SB-36_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	130	19.	1
Freon-113	ND		ug/kg	26	0.36	1
p-Diethylbenzene	ND		ug/kg	5.2	0.21	1
p-Ethyltoluene	ND		ug/kg	5.2	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.2	0.17	1
Ethyl ether	ND		ug/kg	6.5	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	0.51	1
Methyl cyclohexane	0.26	J	ug/kg	5.2	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-08	Date Collected:	08/20/14 09:48
Client ID:	SB-36_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 13:18		
Analyst:	BN		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.66	J	ug/kg	1.6	0.21	1
Ethylbenzene	0.39	J	ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-08 Date Collected: 08/20/14 09:48

Client ID: SB-36_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	1.1	J	ug/kg	2.1	0.21	1
o-Xylene	0.31	J	ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	1.8	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.17	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
Methyl Acetate	ND		ug/kg	21	0.29	1
Cyclohexane	ND		ug/kg	21	0.16	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-08 Date Collected: 08/20/14 09:48

Client ID: SB-36_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	110	15.	1
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1
Methyl cyclohexane	ND		ug/kg	4.3	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-09	Date Collected:	08/20/14 14:00
Client ID:	SB-37_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 14:34		
Analyst:	BN		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.18	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	0.47	J	ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.4	0.38	1
Bromomethane	ND		ug/kg	2.6	0.43	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.17	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-09 Date Collected: 08/20/14 14:00

Client ID: SB-37_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	0.70	J	ug/kg	2.6	0.25	1
o-Xylene	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.52	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	22		ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	2.2	J	ug/kg	13	0.35	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.86	1
Bromochloromethane	ND		ug/kg	6.4	0.35	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.4	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.4	0.17	1
o-Chlorotoluene	ND		ug/kg	6.4	0.20	1
p-Chlorotoluene	ND		ug/kg	6.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.51	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.29	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.4	0.18	1
Acrylonitrile	ND		ug/kg	13	0.66	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
Methyl Acetate	ND		ug/kg	26	0.35	1
Cyclohexane	ND		ug/kg	26	0.19	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-09 Date Collected: 08/20/14 14:00

Client ID: SB-37_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	130	18.	1
Freon-113	ND		ug/kg	26	0.35	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.17	1
Ethyl ether	ND		ug/kg	6.4	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.50	1
Methyl cyclohexane	0.27	J	ug/kg	5.1	0.20	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-10	Date Collected:	08/20/14 14:05
Client ID:	SB-37_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 14:59		
Analyst:	BN		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.17	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.46	J	ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-10 Date Collected: 08/20/14 14:05

Client ID: SB-37_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	0.45	J	ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	10	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	1.2	J	ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.0	0.16	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.47	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.0	0.16	1
Acrylonitrile	ND		ug/kg	12	0.62	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
Methyl Acetate	ND		ug/kg	24	0.32	1
Cyclohexane	ND		ug/kg	24	0.17	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-10 Date Collected: 08/20/14 14:05

Client ID: SB-37_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	120	17.	1
Freon-113	ND		ug/kg	24	0.33	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.47	1
Methyl cyclohexane	ND		ug/kg	4.8	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-11	Date Collected:	08/20/14 11:35
Client ID:	G1_SODUP01_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	08/25/14 15:24		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17	1.9	1
1,1-Dichloroethane	ND		ug/kg	2.6	0.14	1
Chloroform	ND		ug/kg	2.6	0.63	1
Carbon tetrachloride	ND		ug/kg	1.7	0.36	1
1,2-Dichloropropane	ND		ug/kg	6.0	0.39	1
Dibromochloromethane	ND		ug/kg	1.7	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	2.6	0.52	1
Tetrachloroethene	ND		ug/kg	1.7	0.24	1
Chlorobenzene	ND		ug/kg	1.7	0.59	1
Trichlorofluoromethane	ND		ug/kg	8.5	0.66	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	0.19	1
Bromodichloromethane	ND		ug/kg	1.7	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.7	0.20	1
1,1-Dichloropropene	ND		ug/kg	8.5	0.24	1
Bromoform	ND		ug/kg	6.8	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.7	0.17	1
Benzene	ND		ug/kg	1.7	0.20	1
Toluene	1.1	J	ug/kg	2.6	0.33	1
Ethylbenzene	ND		ug/kg	1.7	0.22	1
Chloromethane	ND		ug/kg	8.5	0.50	1
Bromomethane	ND		ug/kg	3.4	0.58	1
Vinyl chloride	ND		ug/kg	3.4	0.20	1
Chloroethane	ND		ug/kg	3.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.45	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.36	1
Trichloroethene	1.1	J	ug/kg	1.7	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	8.5	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	8.5	0.23	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-11 Date Collected: 08/20/14 11:35

Client ID: G1_SODUP01_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	8.5	0.24	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.14	1
p/m-Xylene	0.50	J	ug/kg	3.4	0.34	1
o-Xylene	ND		ug/kg	3.4	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Dibromomethane	ND		ug/kg	17	0.28	1
Styrene	ND		ug/kg	3.4	0.68	1
Dichlorodifluoromethane	ND		ug/kg	17	0.32	1
Acetone	ND		ug/kg	17	1.8	1
Carbon disulfide	ND		ug/kg	17	1.9	1
2-Butanone	ND		ug/kg	17	0.46	1
Vinyl acetate	ND		ug/kg	17	0.22	1
4-Methyl-2-pentanone	ND		ug/kg	17	0.42	1
1,2,3-Trichloropropane	ND		ug/kg	17	0.28	1
2-Hexanone	ND		ug/kg	17	1.1	1
Bromochloromethane	ND		ug/kg	8.5	0.47	1
2,2-Dichloropropane	ND		ug/kg	8.5	0.38	1
1,2-Dibromoethane	ND		ug/kg	6.8	0.30	1
1,3-Dichloropropane	ND		ug/kg	8.5	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.7	0.54	1
Bromobenzene	ND		ug/kg	8.5	0.35	1
n-Butylbenzene	ND		ug/kg	1.7	0.20	1
sec-Butylbenzene	ND		ug/kg	1.7	0.21	1
tert-Butylbenzene	ND		ug/kg	8.5	0.23	1
o-Chlorotoluene	ND		ug/kg	8.5	0.27	1
p-Chlorotoluene	ND		ug/kg	8.5	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.5	0.67	1
Hexachlorobutadiene	ND		ug/kg	8.5	0.39	1
Isopropylbenzene	ND		ug/kg	1.7	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.21	1
Naphthalene	ND		ug/kg	8.5	0.24	1
Acrylonitrile	ND		ug/kg	17	0.88	1
n-Propylbenzene	ND		ug/kg	1.7	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.5	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.5	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.5	0.24	1
Methyl Acetate	ND		ug/kg	34	0.46	1
Cyclohexane	ND		ug/kg	34	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-11 Date Collected: 08/20/14 11:35

Client ID: G1_SODUP01_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	170	24.	1
Freon-113	ND		ug/kg	34	0.47	1
p-Diethylbenzene	ND		ug/kg	6.8	0.27	1
p-Ethyltoluene	ND		ug/kg	6.8	0.21	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.8	0.22	1
Ethyl ether	ND		ug/kg	8.5	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.5	0.67	1
Methyl cyclohexane	0.36	J	ug/kg	6.8	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	**135**	Q	70-130
4-Bromofluorobenzene	**171**	Q	70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-11	R	Date Collected:	08/20/14 11:35
Client ID:	G1_SODUP01_3-5		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	08/26/14 11:25			
Analyst:	BN			
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	20	2.2	1
1,1-Dichloroethane	ND		ug/kg	3.0	0.17	1
Chloroform	ND		ug/kg	3.0	0.74	1
Carbon tetrachloride	ND		ug/kg	2.0	0.42	1
1,2-Dichloropropane	ND		ug/kg	7.0	0.46	1
Dibromochloromethane	ND		ug/kg	2.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	3.0	0.61	1
Tetrachloroethene	ND		ug/kg	2.0	0.28	1
Chlorobenzene	ND		ug/kg	2.0	0.70	1
Trichlorofluoromethane	ND		ug/kg	10	0.78	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	2.0	0.22	1
Bromodichloromethane	ND		ug/kg	2.0	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	2.0	0.24	1
1,1-Dichloropropene	ND		ug/kg	10	0.28	1
Bromoform	ND		ug/kg	8.0	0.47	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	0.20	1
Benzene	ND		ug/kg	2.0	0.24	1
Toluene	1.2	J	ug/kg	3.0	0.39	1
Ethylbenzene	ND		ug/kg	2.0	0.26	1
Chloromethane	ND		ug/kg	10	0.59	1
Bromomethane	ND		ug/kg	4.0	0.68	1
Vinyl chloride	ND		ug/kg	4.0	0.24	1
Chloroethane	ND		ug/kg	4.0	0.63	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.52	1
trans-1,2-Dichloroethene	ND		ug/kg	3.0	0.42	1
Trichloroethene	3.5		ug/kg	2.0	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	10	0.31	1
1,3-Dichlorobenzene	ND		ug/kg	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-11 R Date Collected: 08/20/14 11:35

Client ID: G1_SODUP01_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	10	0.28	1
Methyl tert butyl ether	ND		ug/kg	4.0	0.17	1
p/m-Xylene	ND		ug/kg	4.0	0.40	1
o-Xylene	ND		ug/kg	4.0	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Dibromomethane	ND		ug/kg	20	0.33	1
Styrene	ND		ug/kg	4.0	0.81	1
Dichlorodifluoromethane	ND		ug/kg	20	0.38	1
Acetone	4.6	J	ug/kg	20	2.1	1
Carbon disulfide	ND		ug/kg	20	2.2	1
2-Butanone	ND		ug/kg	20	0.54	1
Vinyl acetate	ND		ug/kg	20	0.26	1
4-Methyl-2-pentanone	ND		ug/kg	20	0.49	1
1,2,3-Trichloropropane	ND		ug/kg	20	0.33	1
2-Hexanone	ND		ug/kg	20	1.3	1
Bromochloromethane	ND		ug/kg	10	0.55	1
2,2-Dichloropropane	ND		ug/kg	10	0.45	1
1,2-Dibromoethane	ND		ug/kg	8.0	0.35	1
1,3-Dichloropropane	ND		ug/kg	10	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.0	0.64	1
Bromobenzene	ND		ug/kg	10	0.42	1
n-Butylbenzene	ND		ug/kg	2.0	0.23	1
sec-Butylbenzene	ND		ug/kg	2.0	0.24	1
tert-Butylbenzene	ND		ug/kg	10	0.27	1
o-Chlorotoluene	ND		ug/kg	10	0.32	1
p-Chlorotoluene	ND		ug/kg	10	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	10	0.79	1
Hexachlorobutadiene	ND		ug/kg	10	0.46	1
Isopropylbenzene	ND		ug/kg	2.0	0.21	1
p-Isopropyltoluene	ND		ug/kg	2.0	0.25	1
Naphthalene	ND		ug/kg	10	0.28	1
Acrylonitrile	ND		ug/kg	20	1.0	1
n-Propylbenzene	ND		ug/kg	2.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	10	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	10	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	10	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	10	0.28	1
Methyl Acetate	ND		ug/kg	40	0.54	1
Cyclohexane	ND		ug/kg	40	0.29	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-11 R Date Collected: 08/20/14 11:35

Client ID: G1_SODUP01_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	200	29.	1
Freon-113	ND		ug/kg	40	0.55	1
p-Diethylbenzene	ND		ug/kg	8.0	0.32	1
p-Ethyltoluene	ND		ug/kg	8.0	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	8.0	0.26	1
Ethyl ether	ND		ug/kg	10	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	0.79	1
Methyl cyclohexane	0.48	J	ug/kg	8.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	**144**	Q	70-130
4-Bromofluorobenzene	**196**	Q	70-130
Dibromofluoromethane	105		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-12	Date Collected:	08/20/14 14:15
Client ID:	G1_SOFB01_082014	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	08/22/14 18:35		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-12 Date Collected: 08/20/14 14:15

Client ID: G1_SOFB01_082014 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-12 Date Collected: 08/20/14 14:15

Client ID: G1_SOFB01_082014 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 12:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG716297-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 12:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG716297-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 12:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG716297-3					
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/14 12:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG716297-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/14 09:06
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-11 Batch: WG716806-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.38	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/14 09:06
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-11 Batch: WG716806-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/14 09:06
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-11 Batch: WG716806-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG716806-8					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.63	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG716806-8					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	1.1	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/14 08:54
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG716806-8					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG716297-1 WG716297-2								
Methylene chloride	103		100		70-130	3		20
1,1-Dichloroethane	108		104		70-130	4		20
Chloroform	104		101		70-130	3		20
2-Chloroethylvinyl ether	82		90		70-130	9		20
Carbon tetrachloride	104		100		63-132	4		20
1,2-Dichloropropane	108		105		70-130	3		20
Dibromochloromethane	100		95		63-130	5		20
1,1,2-Trichloroethane	114		110		70-130	4		20
Tetrachloroethene	102		98		70-130	4		20
Chlorobenzene	108		105		75-130	3		20
Trichlorofluoromethane	105		103		62-150	2		20
1,2-Dichloroethane	104		99		70-130	5		20
1,1,1-Trichloroethane	106		103		67-130	3		20
Bromodichloromethane	102		99		67-130	3		20
trans-1,3-Dichloropropene	114		110		70-130	4		20
cis-1,3-Dichloropropene	110		107		70-130	3		20
1,1-Dichloropropene	109		105		70-130	4		20
Bromoform	103		98		54-136	5		20
1,1,2,2-Tetrachloroethane	123		119		67-130	3		20
Benzene	109		106		70-130	3		20
Toluene	113		107		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG716297-1 WG716297-2								
Ethylbenzene	118		113		70-130	4		20
Chloromethane	**200**	Q	**178**	Q	64-130	12		20
Bromomethane	**221**	Q	**210**	Q	39-139	5		20
Vinyl chloride	131		125		55-140	5		20
Chloroethane	115		111		55-138	4		20
1,1-Dichloroethene	110		107		61-145	3		20
trans-1,2-Dichloroethene	104		100		70-130	4		20
Trichloroethene	105		102		70-130	3		20
1,2-Dichlorobenzene	110		107		70-130	3		20
1,3-Dichlorobenzene	109		105		70-130	4		20
1,4-Dichlorobenzene	109		105		70-130	4		20
Methyl tert butyl ether	112		110		63-130	2		20
p/m-Xylene	115		111		70-130	4		20
o-Xylene	116		112		70-130	4		20
cis-1,2-Dichloroethene	104		99		70-130	5		20
Dibromomethane	103		103		70-130	0		20
1,2,3-Trichloropropane	119		116		64-130	3		20
Acrylonitrile	103		104		70-130	1		20
Isopropyl Ether	110		106		70-130	4		20
tert-Butyl Alcohol	96		90		70-130	6		20
Styrene	121		118		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG716297-1 WG716297-2								
Dichlorodifluoromethane	133		132		36-147	1		20
Acetone	120		118		58-148	2		20
Carbon disulfide	107		104		51-130	3		20
2-Butanone	137		133		63-138	3		20
Vinyl acetate	108		104		70-130	4		20
4-Methyl-2-pentanone	112		108		59-130	4		20
2-Hexanone	114		111		57-130	3		20
Acrolein	106		104		40-160	2		20
Bromochloromethane	106		105		70-130	1		20
2,2-Dichloropropane	105		99		63-133	6		20
1,2-Dibromoethane	110		107		70-130	3		20
1,3-Dichloropropane	112		109		70-130	3		20
1,1,1,2-Tetrachloroethane	109		105		64-130	4		20
Bromobenzene	108		105		70-130	3		20
n-Butylbenzene	114		108		53-136	5		20
sec-Butylbenzene	122		116		70-130	5		20
tert-Butylbenzene	118		112		70-130	5		20
o-Chlorotoluene	119		115		70-130	3		20
p-Chlorotoluene	118		115		70-130	3		20
1,2-Dibromo-3-chloropropane	117		109		41-144	7		20
Hexachlorobutadiene	97		92		63-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG716297-1 WG716297-2								
Isopropylbenzene	114		110		70-130	4		20
p-Isopropyltoluene	114		110		70-130	4		20
Naphthalene	110		106		70-130	4		20
n-Propylbenzene	125		120		69-130	4		20
1,2,3-Trichlorobenzene	102		98		70-130	4		20
1,2,4-Trichlorobenzene	98		94		70-130	4		20
1,3,5-Trimethylbenzene	119		114		64-130	4		20
1,2,4-Trimethylbenzene	114		109		70-130	4		20
Methyl Acetate	106		98		70-130	8		20
Ethyl Acetate	111		107		70-130	4		20
Cyclohexane	116		112		70-130	4		20
Ethyl-Tert-Butyl-Ether	118		113		70-130	4		20
Tertiary-Amyl Methyl Ether	114		112		66-130	2		20
1,4-Dioxane	104		99		56-162	5		20
Freon-113	109		105		70-130	4		20
p-Diethylbenzene	117		112		70-130	4		20
p-Ethyltoluene	121		116		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		106		70-130	5		20
Ethyl ether	109		106		59-134	3		20
trans-1,4-Dichloro-2-butene	112		108		70-130	4		20
Iodomethane	**176**	Q	**182**	Q	70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG716297-1 WG716297-2								
Methyl cyclohexane	111		107		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	110		110		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 Batch: WG716806-1 WG716806-2								
Methylene chloride	100		108		70-130	8		30
1,1-Dichloroethane	109		121		70-130	10		30
Chloroform	107		117		70-130	9		30
Carbon tetrachloride	106		124		70-130	16		30
1,2-Dichloropropane	108		116		70-130	7		30
Dibromochloromethane	99		104		70-130	5		30
2-Chloroethylvinyl ether	98		100		70-130	2		30
1,1,2-Trichloroethane	109		113		70-130	4		30
Tetrachloroethene	101		113		70-130	11		30
Chlorobenzene	104		113		70-130	8		30
Trichlorofluoromethane	104		123		70-139	17		30
1,2-Dichloroethane	116		122		70-130	5		30
1,1,1-Trichloroethane	108		123		70-130	13		30
Bromodichloromethane	103		110		70-130	7		30
trans-1,3-Dichloropropene	109		114		70-130	4		30
cis-1,3-Dichloropropene	104		110		70-130	6		30
1,1-Dichloropropene	111		128		70-130	14		30
Bromoform	95		100		70-130	5		30
1,1,2,2-Tetrachloroethane	108		112		70-130	4		30
Benzene	107		118		70-130	10		30
Toluene	104		114		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 Batch: WG716806-1 WG716806-2								
Ethylbenzene	112		123		70-130	9		30
Chloromethane	105		118		52-130	12		30
Bromomethane	141		147		57-147	4		30
Vinyl chloride	124		**144**	Q	67-130	15		30
Chloroethane	**154**	Q	**170**	Q	50-151	10		30
1,1-Dichloroethene	101		117		65-135	15		30
trans-1,2-Dichloroethene	100		114		70-130	13		30
Trichloroethene	106		119		70-130	12		30
1,2-Dichlorobenzene	103		109		70-130	6		30
1,3-Dichlorobenzene	107		114		70-130	6		30
1,4-Dichlorobenzene	106		114		70-130	7		30
Methyl tert butyl ether	101		105		66-130	4		30
p/m-Xylene	111		122		70-130	9		30
o-Xylene	108		117		70-130	8		30
cis-1,2-Dichloroethene	101		111		70-130	9		30
Dibromomethane	102		108		70-130	6		30
Styrene	112		121		70-130	8		30
Dichlorodifluoromethane	98		116		30-146	17		30
Acetone	119		124		54-140	4		30
Carbon disulfide	95		114		59-130	18		30
2-Butanone	110		114		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 Batch: WG716806-1 WG716806-2								
Vinyl acetate	115		120		70-130	4		30
4-Methyl-2-pentanone	94		98		70-130	4		30
1,2,3-Trichloropropane	115		119		68-130	3		30
2-Hexanone	95		99		70-130	4		30
Bromochloromethane	100		105		70-130	5		30
2,2-Dichloropropane	106		120		70-130	12		30
1,2-Dibromoethane	102		106		70-130	4		30
1,3-Dichloropropane	111		115		69-130	4		30
1,1,1,2-Tetrachloroethane	103		110		70-130	7		30
Bromobenzene	96		102		70-130	6		30
n-Butylbenzene	126		**143**	Q	70-130	13		30
sec-Butylbenzene	115		130		70-130	12		30
tert-Butylbenzene	105		117		70-130	11		30
o-Chlorotoluene	114		124		70-130	8		30
p-Chlorotoluene	114		123		70-130	8		30
1,2-Dibromo-3-chloropropane	83		87		68-130	5		30
Hexachlorobutadiene	99		111		67-130	11		30
Isopropylbenzene	110		123		70-130	11		30
p-Isopropyltoluene	112		126		70-130	12		30
Naphthalene	99		104		70-130	5		30
Acrylonitrile	107		113		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 Batch: WG716806-1 WG716806-2								
Isopropyl Ether	112		118		66-130	5		30
tert-Butyl Alcohol	88		95		70-130	8		30
n-Propylbenzene	117		**131**	Q	70-130	11		30
1,2,3-Trichlorobenzene	100		106		70-130	6		30
1,2,4-Trichlorobenzene	106		113		70-130	6		30
1,3,5-Trimethylbenzene	111		122		70-130	9		30
1,2,4-Trimethylbenzene	110		119		70-130	8		30
Methyl Acetate	111		116		51-146	4		30
Ethyl Acetate	108		114		70-130	5		30
Acrolein	**152**	Q	**155**	Q	70-130	2		30
Cyclohexane	111		131		59-142	17		30
1,4-Dioxane	93		97		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		123		50-139	17		30
1,4-Diethylbenzene	112		126		70-130	12		30
4-Ethyltoluene	114		127		70-130	11		30
1,2,4,5-Tetramethylbenzene	108		118		70-130	9		30
Tetrahydrofuran	107		112		66-130	5		30
Ethyl ether	101		105		67-130	4		30
trans-1,4-Dichloro-2-butene	115		120		70-130	4		30
Methyl cyclohexane	102		123		70-130	19		30
Ethyl-Tert-Butyl-Ether	106		111		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 Batch: WG716806-1 WG716806-2								
Tertiary-Amyl Methyl Ether	100		105		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716806-6 WG716806-7								
Methylene chloride	100		104		70-130	4		30
1,1-Dichloroethane	109		116		70-130	6		30
Chloroform	106		112		70-130	6		30
Carbon tetrachloride	101		117		70-130	15		30
1,2-Dichloropropane	106		113		70-130	6		30
Dibromochloromethane	92		97		70-130	5		30
2-Chloroethylvinyl ether	95		98		70-130	3		30
1,1,2-Trichloroethane	107		109		70-130	2		30
Tetrachloroethene	95		104		70-130	9		30
Chlorobenzene	101		106		70-130	5		30
Trichlorofluoromethane	103		117		70-139	13		30
1,2-Dichloroethane	117		120		70-130	3		30
1,1,1-Trichloroethane	106		118		70-130	11		30
Bromodichloromethane	99		106		70-130	7		30
trans-1,3-Dichloropropene	104		109		70-130	5		30
cis-1,3-Dichloropropene	99		106		70-130	7		30
1,1-Dichloropropene	110		124		70-130	12		30
Bromoform	87		95		70-130	9		30
1,1,2,2-Tetrachloroethane	107		112		70-130	5		30
Benzene	107		114		70-130	6		30
Toluene	102		108		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716806-6 WG716806-7								
Ethylbenzene	110		117		70-130	6		30
Chloromethane	110		115		52-130	4		30
Bromomethane	143		145		57-147	1		30
Vinyl chloride	**131**	Q	**143**	Q	67-130	9		30
Chloroethane	**155**	Q	**168**	Q	50-151	8		30
1,1-Dichloroethene	98		111		65-135	12		30
trans-1,2-Dichloroethene	100		109		70-130	9		30
Trichloroethene	104		113		70-130	8		30
1,2-Dichlorobenzene	101		103		70-130	2		30
1,3-Dichlorobenzene	104		108		70-130	4		30
1,4-Dichlorobenzene	103		106		70-130	3		30
Methyl tert butyl ether	100		102		66-130	2		30
p/m-Xylene	108		114		70-130	5		30
o-Xylene	104		110		70-130	6		30
cis-1,2-Dichloroethene	100		106		70-130	6		30
Dibromomethane	99		104		70-130	5		30
Styrene	109		113		70-130	4		30
Dichlorodifluoromethane	98		111		30-146	12		30
Acetone	125		122		54-140	2		30
Carbon disulfide	90		104		59-130	14		30
2-Butanone	112		116		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716806-6 WG716806-7								
Vinyl acetate	115		119		70-130	3		30
4-Methyl-2-pentanone	90		96		70-130	6		30
1,2,3-Trichloropropane	116		116		68-130	0		30
2-Hexanone	99		98		70-130	1		30
Bromochloromethane	98		101		70-130	3		30
2,2-Dichloropropane	104		114		70-130	9		30
1,2-Dibromoethane	98		101		70-130	3		30
1,3-Dichloropropane	109		112		69-130	3		30
1,1,1,2-Tetrachloroethane	97		103		70-130	6		30
Bromobenzene	93		95		70-130	2		30
n-Butylbenzene	127		**137**	Q	70-130	8		30
sec-Butylbenzene	112		123		70-130	9		30
tert-Butylbenzene	101		110		70-130	9		30
o-Chlorotoluene	112		118		70-130	5		30
p-Chlorotoluene	113		118		70-130	4		30
1,2-Dibromo-3-chloropropane	76		82		68-130	8		30
Hexachlorobutadiene	94		104		67-130	10		30
Isopropylbenzene	107		116		70-130	8		30
p-Isopropyltoluene	109		118		70-130	8		30
Naphthalene	97		100		70-130	3		30
Acrylonitrile	110		112		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716806-6 WG716806-7								
Isopropyl Ether	112		116		66-130	4		30
tert-Butyl Alcohol	90		93		70-130	3		30
n-Propylbenzene	116		125		70-130	7		30
1,2,3-Trichlorobenzene	97		98		70-130	1		30
1,2,4-Trichlorobenzene	104		104		70-130	0		30
1,3,5-Trimethylbenzene	109		116		70-130	6		30
1,2,4-Trimethylbenzene	108		114		70-130	5		30
Methyl Acetate	114		117		51-146	3		30
Ethyl Acetate	110		112		70-130	2		30
Acrolein	**183**	Q	**164**	Q	70-130	11		30
Cyclohexane	112		128		59-142	13		30
1,4-Dioxane	97		102		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		119		50-139	13		30
1,4-Diethylbenzene	109		118		70-130	8		30
4-Ethyltoluene	112		121		70-130	8		30
1,2,4,5-Tetramethylbenzene	105		109		70-130	4		30
Tetrahydrofuran	114		116		66-130	2		30
Ethyl ether	100		103		67-130	3		30
trans-1,4-Dichloro-2-butene	116		122		70-130	5		30
Methyl cyclohexane	101		118		70-130	16		30
Ethyl-Tert-Butyl-Ether	105		108		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG716806-6 WG716806-7								
Tertiary-Amyl Methyl Ether	97		101		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		114		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	101		102		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716806-4 WG716806-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Methylene chloride	ND	21	21	98		20	96		70-130	1		30
1,1-Dichloroethane	ND	21	23	108		22	105		70-130	2		30
Chloroform	ND	21	22	103		21	102		70-130	1		30
Carbon tetrachloride	ND	21	22	106		21	101		70-130	5		30
1,2-Dichloropropane	ND	21	21	101		21	100		70-130	0		30
Dibromochloromethane	ND	21	18	85		18	85		70-130	1		30
2-Chloroethylvinyl ether	ND	21	17J	82		17.J	81		70-130	1		30
1,1,2-Trichloroethane	ND	21	21	98		20	97		70-130	1		30
Tetrachloroethene	ND	21	19	90		18	84		70-130	6		30
Chlorobenzene	ND	21	19	92		19	91		70-130	2		30
Trichlorofluoromethane	ND	21	23	112		22	104		70-139	7		30
1,2-Dichloroethane	ND	21	23	109		23	108		70-130	1		30
1,1,1-Trichloroethane	ND	21	23	110		23	109		70-130	1		30
Bromodichloromethane	ND	21	20	94		20	94		70-130	1		30
trans-1,3-Dichloropropene	ND	21	19	92		19	92		70-130	1		30
cis-1,3-Dichloropropene	ND	21	19	91		19	91		70-130	1		30
1,1-Dichloropropene	ND	21	23	111		23	108		70-130	3		30
Bromoform	ND	21	17	79		17	80		70-130	1		30
1,1,2,2-Tetrachloroethane	ND	21	18	88		18	85		70-130	3		30
Benzene	ND	21	22	104		21	102		70-130	2		30
Toluene	0.66J	21	21	98		20	96		70-130	2		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716806-4 WG716806-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Ethylbenzene	0.39J	21	22	103		21	100		70-130	3		30
Chloromethane	ND	21	24	112		23	110		52-130	3		30
Bromomethane	ND	21	33	**156**	Q	31	**149**	Q	57-147	5		30
Vinyl chloride	ND	21	31	**150**	Q	30	**142**	Q	67-130	5		30
Chloroethane	ND	21	37	**176**	Q	34	**160**	Q	50-151	9		30
1,1-Dichloroethene	ND	21	22	104		21	101		65-135	3		30
trans-1,2-Dichloroethene	ND	21	21	99		20	97		70-130	2		30
Trichloroethene	ND	21	23	108		23	108		70-130	0		30
1,2-Dichlorobenzene	ND	21	17	82		17	80		70-130	2		30
1,3-Dichlorobenzene	ND	21	18	84		17	82		70-130	3		30
1,4-Dichlorobenzene	ND	21	18	84		17	81		70-130	3		30
Methyl tert butyl ether	ND	21	18	87		18	88		66-130	1		30
p/m-Xylene	1.1J	41.9	42	101		41	98		70-130	3		30
o-Xylene	0.31J	41.9	40	96		39	94		70-130	3		30
cis-1,2-Dichloroethene	ND	21	20	96		20	95		70-130	1		30
Dibromomethane	ND	21	19	92		19	92		70-130	1		30
Styrene	ND	41.9	41	97		40	95		70-130	2		30
Dichlorodifluoromethane	ND	21	23	107		21	100		30-146	7		30
Acetone	1.8J	21	23	110		22	107		54-140	3		30
Carbon disulfide	ND	21	20	97		20	94		59-130	2		30
2-Butanone	ND	21	22	105		21	101		70-130	5		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716806-4 WG716806-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Vinyl acetate	ND	21	15	73		14	**65**	Q	70-130	12		30
4-Methyl-2-pentanone	ND	21	16	77		16	77		70-130	0		30
1,2,3-Trichloropropane	ND	21	20	96		21	100		68-130	3		30
2-Hexanone	ND	21	17	80		18	84		70-130	5		30
Bromochloromethane	ND	21	20	93		19	92		70-130	2		30
2,2-Dichloropropane	ND	21	21	100		20	97		70-130	2		30
1,2-Dibromoethane	ND	21	18	87		18	87		70-130	1		30
1,3-Dichloropropane	ND	21	20	97		20	97		69-130	0		30
1,1,1,2-Tetrachloroethane	ND	21	19	92		19	91		70-130	1		30
Bromobenzene	ND	21	17	80		17	79		70-130	1		30
n-Butylbenzene	ND	21	20	94		18	85		70-130	10		30
sec-Butylbenzene	ND	21	19	92		18	84		70-130	9		30
tert-Butylbenzene	ND	21	18	86		17	81		70-130	6		30
o-Chlorotoluene	ND	21	20	97		20	94		70-130	4		30
p-Chlorotoluene	ND	21	20	94		19	91		70-130	3		30
1,2-Dibromo-3-chloropropane	ND	21	13	**64**	Q	14	**65**	Q	68-130	2		30
Hexachlorobutadiene	ND	21	12	**57**	Q	9.4	**45**	Q	67-130	25		30
Isopropylbenzene	ND	21	20	96		19	92		70-130	4		30
p-Isopropyltoluene	ND	21	18	87		17	80		70-130	9		30
Naphthalene	ND	21	15	73		15	72		70-130	1		30
Acrylonitrile	ND	21	20	95		20	96		70-130	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716806-4 WG716806-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Isopropyl Ether	ND	21	21	102		21	102		66-130	0		30
tert-Butyl Alcohol	ND	105	73	69		78	74			7		30
n-Propylbenzene	ND	21	21	98		20	94		70-130	4		30
1,2,3-Trichlorobenzene	ND	21	14	**65**	Q	13	**62**	Q	70-130	5		30
1,2,4-Trichlorobenzene	ND	21	14	**67**	Q	13	**63**	Q	70-130	6		30
1,3,5-Trimethylbenzene	ND	21	19	92		19	89		70-130	4		30
1,2,4-Trimethylbenzene	ND	21	19	91		18	88		70-130	4		30
Methyl Acetate	ND	21	21J	98		20.J	97		51-146	0		30
Ethyl Acetate	ND	21	20J	94		20.J	97			3		30
Acrolein	ND	21	34	162		33	156			3		30
Cyclohexane	ND	21	23	112		21	102		59-142	9		30
1,4-Dioxane	ND	1050	840	80		860	82		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	21	22	104		18.J	85		50-139	19		30
1,4-Diethylbenzene	ND	21	18	86		17	79		70-130	9		30
4-Ethyltoluene	ND	21	20	97		20	94		70-130	4		30
1,2,4,5-Tetramethylbenzene	ND	21	17	80		16	74		70-130	8		30
Tetrahydrofuran	1.7J	21	20J	97		21	102		66-130	5		30
Ethyl ether	ND	21	19	90		19	90		67-130	1		30
trans-1,4-Dichloro-2-butene	ND	21	20	94		19	92		70-130	2		30
Methyl cyclohexane	ND	21	20	94		16	78		70-130	19		30
Ethyl-Tert-Butyl-Ether	ND	21	19	92		19	92		70-130	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716806-4 WG716806-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Tertiary-Amyl Methyl Ether	ND	21	18	86		18	86		70-130	1		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		116		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	104		103		70-130
Toluene-d8	102		102		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-01	D2	Date Collected:	08/20/14 11:30
Client ID:	SB-33_0-2		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 13:29			
Analyst:	PS			
Percent Solids:	88%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	80000		ug/kg	4500	1400	40
Benzo(a)anthracene	32000		ug/kg	4500	1500	40
Benzo(a)pyrene	25000		ug/kg	6000	1800	40
Benzo(b)fluoranthene	33000		ug/kg	4500	1500	40
Chrysene	30000		ug/kg	4500	1500	40
Anthracene	20000		ug/kg	4500	1200	40
Benzo(ghi)perylene	16000		ug/kg	6000	1600	40
Phenanthrene	81000		ug/kg	4500	1500	40
Indeno(1,2,3-cd)Pyrene	17000		ug/kg	6000	1700	40
Pyrene	61000		ug/kg	4500	1400	40

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-01	D	Date Collected:	08/20/14 11:30
Client ID:	SB-33_0-2		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 02:45			
Analyst:	PS			
Percent Solids:	88%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	8600		ug/kg	300	77.	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	120	2
Hexachlorobenzene	ND		ug/kg	220	70.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	370	120	2
1,2-Dichlorobenzene	ND		ug/kg	370	120	2
1,3-Dichlorobenzene	ND		ug/kg	370	120	2
1,4-Dichlorobenzene	ND		ug/kg	370	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	100	2
2,4-Dinitrotoluene	ND		ug/kg	370	81.	2
2,6-Dinitrotoluene	ND		ug/kg	370	96.	2
Fluoranthene	98000	E	ug/kg	220	69.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	86.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	110	2
Hexachlorobutadiene	ND		ug/kg	370	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	8000		ug/kg	370	120	2
Nitrobenzene	ND		ug/kg	340	89.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	79.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	370	98.	2
Butyl benzyl phthalate	ND		ug/kg	370	73.	2
Di-n-butylphthalate	ND		ug/kg	370	72.	2
Di-n-octylphthalate	ND		ug/kg	370	92.	2
Diethyl phthalate	ND		ug/kg	370	79.	2
Dimethyl phthalate	ND		ug/kg	370	95.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-01 D Date Collected: 08/20/14 11:30

Client ID: SB-33_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	34000	E	ug/kg	220	73.	2
Benzo(a)pyrene	28000	E	ug/kg	300	92.	2
Benzo(b)fluoranthene	41000	E	ug/kg	220	76.	2
Benzo(k)fluoranthene	9500		ug/kg	220	72.	2
Chrysene	31000	E	ug/kg	220	74.	2
Acenaphthylene	250	J	ug/kg	300	70.	2
Anthracene	22000	E	ug/kg	220	62.	2
Benzo(ghi)perylene	16000	E	ug/kg	300	78.	2
Fluorene	11000		ug/kg	370	110	2
Phenanthrene	100000	E	ug/kg	220	73.	2
Dibenzo(a,h)anthracene	4700		ug/kg	220	72.	2
Indeno(1,2,3-cd)Pyrene	19000	E	ug/kg	300	83.	2
Pyrene	77000	E	ug/kg	220	73.	2
Biphenyl	900		ug/kg	850	120	2
4-Chloroaniline	ND		ug/kg	370	99.	2
2-Nitroaniline	ND		ug/kg	370	100	2
3-Nitroaniline	ND		ug/kg	370	100	2
4-Nitroaniline	ND		ug/kg	370	100	2
Dibenzofuran	7900		ug/kg	370	120	2
2-Methylnaphthalene	3300		ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	120	2
Acetophenone	ND		ug/kg	370	120	2
2,4,6-Trichlorophenol	ND		ug/kg	220	71.	2
P-Chloro-M-Cresol	ND		ug/kg	370	110	2
2-Chlorophenol	ND		ug/kg	370	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	370	110	2
2-Nitrophenol	ND		ug/kg	810	120	2
4-Nitrophenol	ND		ug/kg	520	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	510	2
4,6-Dinitro-o-cresol	ND		ug/kg	970	140	2
Pentachlorophenol	ND		ug/kg	300	80.	2
Phenol	ND		ug/kg	370	110	2
2-Methylphenol	ND		ug/kg	370	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	370	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	370	120	2
Carbazole	8600		ug/kg	370	80.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-01 D Date Collected: 08/20/14 11:30

Client ID: SB-33_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	490	150	2
Caprolactam	ND		ug/kg	370	100	2
Atrazine	ND		ug/kg	300	85.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	370	64.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	104		18-120

Project Name: GREENPOINT LANDING
Lab Number: L1418990
Project Number: 170229002
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-02	D2	Date Collected:	08/20/14 11:35
Client ID:	SB-33_3-5		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 13:54			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	55000		ug/kg	2200	670	20
Pyrene	58000		ug/kg	2200	710	20

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-02	D	Date Collected:	08/20/14 11:35
Client ID:	SB-33_3-5		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 03:11			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1700		ug/kg	730	190	5
1,2,4-Trichlorobenzene	ND		ug/kg	910	300	5
Hexachlorobenzene	ND		ug/kg	550	170	5
Bis(2-chloroethyl)ether	ND		ug/kg	820	260	5
2-Chloronaphthalene	ND		ug/kg	910	300	5
1,2-Dichlorobenzene	ND		ug/kg	910	300	5
1,3-Dichlorobenzene	ND		ug/kg	910	290	5
1,4-Dichlorobenzene	ND		ug/kg	910	280	5
3,3'-Dichlorobenzidine	ND		ug/kg	910	240	5
2,4-Dinitrotoluene	ND		ug/kg	910	200	5
2,6-Dinitrotoluene	ND		ug/kg	910	230	5
Fluoranthene	60000	E	ug/kg	550	170	5
4-Chlorophenyl phenyl ether	ND		ug/kg	910	280	5
4-Bromophenyl phenyl ether	ND		ug/kg	910	210	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	320	5
Bis(2-chloroethoxy)methane	ND		ug/kg	980	280	5
Hexachlorobutadiene	ND		ug/kg	910	260	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	580	5
Hexachloroethane	ND		ug/kg	730	160	5
Isophorone	ND		ug/kg	820	240	5
Naphthalene	640	J	ug/kg	910	300	5
Nitrobenzene	ND		ug/kg	820	220	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	730	190	5
n-Nitrosodi-n-propylamine	ND		ug/kg	910	270	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	910	240	5
Butyl benzyl phthalate	ND		ug/kg	910	180	5
Di-n-butylphthalate	ND		ug/kg	910	180	5
Di-n-octylphthalate	ND		ug/kg	910	220	5
Diethyl phthalate	ND		ug/kg	910	190	5
Dimethyl phthalate	ND		ug/kg	910	230	5

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-02 D Date Collected: 08/20/14 11:35

Client ID: SB-33_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	27000		ug/kg	550	180	5
Benzo(a)pyrene	24000		ug/kg	730	220	5
Benzo(b)fluoranthene	26000		ug/kg	550	180	5
Benzo(k)fluoranthene	11000		ug/kg	550	170	5
Chrysene	26000		ug/kg	550	180	5
Acenaphthylene	420	J	ug/kg	730	170	5
Anthracene	9000		ug/kg	550	150	5
Benzo(ghi)perylene	15000		ug/kg	730	190	5
Fluorene	2200		ug/kg	910	260	5
Phenanthrene	29000		ug/kg	550	180	5
Dibenzo(a,h)anthracene	3300		ug/kg	550	180	5
Indeno(1,2,3-cd)Pyrene	16000		ug/kg	730	200	5
Pyrene	64000	E	ug/kg	550	180	5
Biphenyl	ND		ug/kg	2100	300	5
4-Chloroaniline	ND		ug/kg	910	240	5
2-Nitroaniline	ND		ug/kg	910	260	5
3-Nitroaniline	ND		ug/kg	910	250	5
4-Nitroaniline	ND		ug/kg	910	240	5
Dibenzofuran	1000		ug/kg	910	300	5
2-Methylnaphthalene	420	J	ug/kg	1100	290	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	910	280	5
Acetophenone	ND		ug/kg	910	280	5
2,4,6-Trichlorophenol	ND		ug/kg	550	170	5
P-Chloro-M-Cresol	ND		ug/kg	910	260	5
2-Chlorophenol	ND		ug/kg	910	270	5
2,4-Dichlorophenol	ND		ug/kg	820	300	5
2,4-Dimethylphenol	ND		ug/kg	910	270	5
2-Nitrophenol	ND		ug/kg	2000	280	5
4-Nitrophenol	ND		ug/kg	1300	300	5
2,4-Dinitrophenol	ND		ug/kg	4400	1200	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	330	5
Pentachlorophenol	ND		ug/kg	730	190	5
Phenol	ND		ug/kg	910	270	5
2-Methylphenol	ND		ug/kg	910	290	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	300	5
2,4,5-Trichlorophenol	ND		ug/kg	910	300	5
Benzoic Acid	ND		ug/kg	3000	920	5
Benzyl Alcohol	ND		ug/kg	910	280	5
Carbazole	760	J	ug/kg	910	200	5

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-02 D Date Collected: 08/20/14 11:35

Client ID: SB-33_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	1200	370	5
Caprolactam	ND		ug/kg	910	250	5
Atrazine	ND		ug/kg	730	210	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	910	150	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	100		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-03	Date Collected:	08/20/14 10:00
Client ID:	SB-34_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 03:36		
Analyst:	PS		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	270		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	100	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	180	57.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	55.	1
1,4-Dichlorobenzene	ND		ug/kg	180	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	3700		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	53.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	180	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	93	J	ug/kg	180	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	44.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-03 Date Collected: 08/20/14 10:00

Client ID: SB-34_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1700		ug/kg	100	34.	1
Benzo(a)pyrene	1500		ug/kg	140	43.	1
Benzo(b)fluoranthene	1900		ug/kg	100	35.	1
Benzo(k)fluoranthene	710		ug/kg	100	33.	1
Chrysene	1600		ug/kg	100	34.	1
Acenaphthylene	210		ug/kg	140	33.	1
Anthracene	680		ug/kg	100	29.	1
Benzo(ghi)perylene	880		ug/kg	140	36.	1
Fluorene	230		ug/kg	180	50.	1
Phenanthrene	2500		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	250		ug/kg	100	34.	1
Indeno(1,2,3-cd)Pyrene	1000		ug/kg	140	39.	1
Pyrene	3300		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	46.	1
2-Nitroaniline	ND		ug/kg	180	49.	1
3-Nitroaniline	ND		ug/kg	180	48.	1
4-Nitroaniline	ND		ug/kg	180	47.	1
Dibenzofuran	140	J	ug/kg	180	58.	1
2-Methylnaphthalene	67	J	ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	54.	1
Acetophenone	ND		ug/kg	180	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	52.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	240	57.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	64.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	220		ug/kg	180	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-03 Date Collected: 08/20/14 10:00

Client ID: SB-34_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	230	71.	1
Caprolactam	ND		ug/kg	180	48.	1
Atrazine	ND		ug/kg	140	40.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	30.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	113		0-136
4-Terphenyl-d14	105		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-04	Date Collected:	08/20/14 10:05
Client ID:	SB-34_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 04:02		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	300		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	4200		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	63.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	380		ug/kg	180	59.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-04 Date Collected: 08/20/14 10:05

Client ID: SB-34_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1500		ug/kg	110	35.	1
Benzo(a)pyrene	1400		ug/kg	140	44.	1
Benzo(b)fluoranthene	1800		ug/kg	110	36.	1
Benzo(k)fluoranthene	620		ug/kg	110	34.	1
Chrysene	1600		ug/kg	110	35.	1
Acenaphthylene	100	J	ug/kg	140	33.	1
Anthracene	700		ug/kg	110	30.	1
Benzo(ghi)perylene	960		ug/kg	140	37.	1
Fluorene	310		ug/kg	180	51.	1
Phenanthrene	3400		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	240		ug/kg	110	34.	1
Indeno(1,2,3-cd)Pyrene	1000		ug/kg	140	40.	1
Pyrene	3500		ug/kg	110	35.	1
Biphenyl	63	J	ug/kg	410	59.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	49.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	260		ug/kg	180	60.	1
2-Methylnaphthalene	250		ug/kg	210	57.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	55.	1
Acetophenone	ND		ug/kg	180	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	53.	1
2-Nitrophenol	ND		ug/kg	380	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	65.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	280		ug/kg	180	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-04 Date Collected: 08/20/14 10:05

Client ID: SB-34_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	240	72.	1
Caprolactam	ND		ug/kg	180	49.	1
Atrazine	ND		ug/kg	140	40.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	30.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	108		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-05	D	Date Collected:	08/20/14 09:41
Client ID:	SB-35_0-2		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 04:27			
Analyst:	PS			
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	280	73.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	99.	2
2-Chloronaphthalene	ND		ug/kg	350	120	2
1,2-Dichlorobenzene	ND		ug/kg	350	120	2
1,3-Dichlorobenzene	ND		ug/kg	350	110	2
1,4-Dichlorobenzene	ND		ug/kg	350	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	76.	2
2,6-Dinitrotoluene	ND		ug/kg	350	90.	2
Fluoranthene	570		ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	81.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	350	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	64.	2
Isophorone	ND		ug/kg	320	94.	2
Naphthalene	ND		ug/kg	350	120	2
Nitrobenzene	ND		ug/kg	320	84.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	74.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	100	2
Bis(2-Ethylhexyl)phthalate	250	J	ug/kg	350	93.	2
Butyl benzyl phthalate	ND		ug/kg	350	69.	2
Di-n-butylphthalate	ND		ug/kg	350	68.	2
Di-n-octylphthalate	ND		ug/kg	350	87.	2
Diethyl phthalate	ND		ug/kg	350	75.	2
Dimethyl phthalate	ND		ug/kg	350	90.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-05 D Date Collected: 08/20/14 09:41

Client ID: SB-35_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	300		ug/kg	210	69.	2
Benzo(a)pyrene	460		ug/kg	280	86.	2
Benzo(b)fluoranthene	400		ug/kg	210	71.	2
Benzo(k)fluoranthene	160	J	ug/kg	210	67.	2
Chrysene	290		ug/kg	210	69.	2
Acenaphthylene	ND		ug/kg	280	66.	2
Anthracene	74	J	ug/kg	210	59.	2
Benzo(ghi)perylene	820		ug/kg	280	74.	2
Fluorene	ND		ug/kg	350	100	2
Phenanthrene	340		ug/kg	210	69.	2
Dibenzo(a,h)anthracene	ND		ug/kg	210	68.	2
Indeno(1,2,3-cd)Pyrene	390		ug/kg	280	78.	2
Pyrene	610		ug/kg	210	69.	2
Biphenyl	ND		ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	350	93.	2
2-Nitroaniline	ND		ug/kg	350	100	2
3-Nitroaniline	ND		ug/kg	350	98.	2
4-Nitroaniline	ND		ug/kg	350	95.	2
Dibenzofuran	ND		ug/kg	350	120	2
2-Methylnaphthalene	ND		ug/kg	420	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	110	2
Acetophenone	ND		ug/kg	350	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	350	100	2
2-Chlorophenol	ND		ug/kg	350	110	2
2,4-Dichlorophenol	ND		ug/kg	320	110	2
2,4-Dimethylphenol	ND		ug/kg	350	100	2
2-Nitrophenol	ND		ug/kg	760	110	2
4-Nitrophenol	ND		ug/kg	490	110	2
2,4-Dinitrophenol	ND		ug/kg	1700	480	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	350	110	2
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	ND		ug/kg	350	76.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-05 D Date Collected: 08/20/14 09:41

Client ID: SB-35_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	470	140	2
Caprolactam	ND		ug/kg	350	98.	2
Atrazine	ND		ug/kg	280	80.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	60.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	112		0-136
4-Terphenyl-d14	102		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-06	Date Collected:	08/20/14 09:43
Client ID:	SB-35_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 04:53		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	320		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-06 Date Collected: 08/20/14 09:43

Client ID: SB-35_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	230		ug/kg	120	38.	1
Benzo(a)pyrene	240		ug/kg	160	48.	1
Benzo(b)fluoranthene	310		ug/kg	120	40.	1
Benzo(k)fluoranthene	120		ug/kg	120	37.	1
Chrysene	210		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	170		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	110	J	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	54	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	200		ug/kg	160	43.	1
Pyrene	290		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	240	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-06 Date Collected: 08/20/14 09:43

Client ID: SB-35_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	260	79.	1
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	109		0-136
4-Terphenyl-d14	97		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-07	Date Collected:	08/20/14 09:45
Client ID:	SB-36_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 05:18		
Analyst:	PS		
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	41	J	ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	1400		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	220		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-07 Date Collected: 08/20/14 09:45

Client ID: SB-36_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	770		ug/kg	100	33.	1
Benzo(a)pyrene	800		ug/kg	140	42.	1
Benzo(b)fluoranthene	1000		ug/kg	100	34.	1
Benzo(k)fluoranthene	390		ug/kg	100	32.	1
Chrysene	820		ug/kg	100	33.	1
Acenaphthylene	79	J	ug/kg	140	32.	1
Anthracene	160		ug/kg	100	28.	1
Benzo(ghi)perylene	590		ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	740		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	150		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	610		ug/kg	140	38.	1
Pyrene	1300		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	820	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	54	J	ug/kg	170	37.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-07 Date Collected: 08/20/14 09:45

Client ID: SB-36_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	220	69.	1
Caprolactam	ND		ug/kg	170	47.	1
Atrazine	ND		ug/kg	140	39.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	29.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	99		30-120
2,4,6-Tribromophenol	122		0-136
4-Terphenyl-d14	112		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-08	Date Collected:	08/20/14 09:48
Client ID:	SB-36_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 01:45		
Analyst:	PS		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	1600		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	61.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	46.	1
Naphthalene	62	J	ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	150	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	98	J	ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	34.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-08 Date Collected: 08/20/14 09:48

Client ID: SB-36_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	780		ug/kg	100	34.	1
Benzo(a)pyrene	790		ug/kg	140	42.	1
Benzo(b)fluoranthene	980		ug/kg	100	35.	1
Benzo(k)fluoranthene	430		ug/kg	100	33.	1
Chrysene	830		ug/kg	100	34.	1
Acenaphthylene	190		ug/kg	140	32.	1
Anthracene	260		ug/kg	100	29.	1
Benzo(ghi)perylene	520		ug/kg	140	36.	1
Fluorene	64	J	ug/kg	170	49.	1
Phenanthrene	870		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	130		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	550		ug/kg	140	38.	1
Pyrene	1400		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	57.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	48.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	210	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	54.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	830	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	86	J	ug/kg	170	37.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-08 Date Collected: 08/20/14 09:48

Client ID: SB-36_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	230	70.	1
Caprolactam	ND		ug/kg	170	48.	1
Atrazine	ND		ug/kg	140	39.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	29.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	57		0-136
4-Terphenyl-d14	83		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-09	Date Collected:	08/20/14 14:00
Client ID:	SB-37_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 02:09		
Analyst:	PS		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	700		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	8900	E	ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	46.	1
Naphthalene	650		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	150	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-09 Date Collected: 08/20/14 14:00

Client ID: SB-37_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	5200		ug/kg	100	34.	1
Benzo(a)pyrene	4800		ug/kg	140	42.	1
Benzo(b)fluoranthene	6400		ug/kg	100	34.	1
Benzo(k)fluoranthene	2000		ug/kg	100	33.	1
Chrysene	5200		ug/kg	100	34.	1
Acenaphthylene	470		ug/kg	140	32.	1
Anthracene	2000		ug/kg	100	28.	1
Benzo(ghi)perylene	2600		ug/kg	140	36.	1
Fluorene	880		ug/kg	170	49.	1
Phenanthrene	7700	E	ug/kg	100	34.	1
Dibenzo(a,h)anthracene	740		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	3000		ug/kg	140	38.	1
Pyrene	8200	E	ug/kg	100	33.	1
Biphenyl	140	J	ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	660		ug/kg	170	57.	1
2-Methylnaphthalene	370		ug/kg	200	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	820	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	64	J	ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	770		ug/kg	170	37.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-09 Date Collected: 08/20/14 14:00

Client ID: SB-37_0-2 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	230	69.	1
Caprolactam	ND		ug/kg	170	47.	1
Atrazine	ND		ug/kg	140	39.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	29.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	91		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-09	D	Date Collected:	08/20/14 14:00
Client ID:	SB-37_0-2		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 12:18			
Analyst:	PS			
Percent Solids:	95%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	9200		ug/kg	200	63.	2
Phenanthrene	7800		ug/kg	200	67.	2
Pyrene	7800		ug/kg	200	66.	2

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-10	D2	Date Collected:	08/20/14 14:05
Client ID:	SB-37_3-5		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 12:42			
Analyst:	PS			
Percent Solids:	93%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	27000		ug/kg	860	260	8
Phenanthrene	32000		ug/kg	860	280	8
Pyrene	22000		ug/kg	860	280	8

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-10	D	Date Collected:	08/20/14 14:05
Client ID:	SB-37_3-5		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 02:32			
Analyst:	PS			
Percent Solids:	93%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2800		ug/kg	280	73.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	95.	2
2,4-Dinitrotoluene	ND		ug/kg	360	77.	2
2,6-Dinitrotoluene	ND		ug/kg	360	91.	2
Fluoranthene	19000	E	ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	82.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	65.	2
Isophorone	ND		ug/kg	320	95.	2
Naphthalene	1900		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	85.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	75.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	93.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	75.	2
Dimethyl phthalate	ND		ug/kg	360	90.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-10 D Date Collected: 08/20/14 14:05

Client ID: SB-37_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	8500		ug/kg	210	70.	2
Benzo(a)pyrene	7900		ug/kg	280	87.	2
Benzo(b)fluoranthene	10000		ug/kg	210	72.	2
Benzo(k)fluoranthene	3600		ug/kg	210	68.	2
Chrysene	8900		ug/kg	210	70.	2
Acenaphthylene	300		ug/kg	280	67.	2
Anthracene	5300		ug/kg	210	59.	2
Benzo(ghi)perylene	4800		ug/kg	280	74.	2
Fluorene	3700		ug/kg	360	100	2
Phenanthrene	20000	E	ug/kg	210	70.	2
Dibenzo(a,h)anthracene	1200		ug/kg	210	69.	2
Indeno(1,2,3-cd)Pyrene	5200		ug/kg	280	79.	2
Pyrene	17000	E	ug/kg	210	69.	2
Biphenyl	500	J	ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	360	94.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	98.	2
4-Nitroaniline	ND		ug/kg	360	96.	2
Dibenzofuran	3000		ug/kg	360	120	2
2-Methylnaphthalene	1200		ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	770	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	930	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	360	100	2
2-Methylphenol	ND		ug/kg	360	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	2300		ug/kg	360	76.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-10 D Date Collected: 08/20/14 14:05

Client ID: SB-37_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	470	140	2
Caprolactam	ND		ug/kg	360	98.	2
Atrazine	ND		ug/kg	280	81.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	60.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	79		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-11	D2	Date Collected:	08/20/14 11:35
Client ID:	G1_SODUP01_3-5		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 13:06			
Analyst:	PS			
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	44000		ug/kg	1100	340	10
Benzo(a)anthracene	24000		ug/kg	1100	360	10
Benzo(a)pyrene	22000		ug/kg	1500	450	10
Benzo(b)fluoranthene	24000		ug/kg	1100	370	10
Chrysene	25000		ug/kg	1100	360	10
Phenanthrene	23000		ug/kg	1100	360	10
Pyrene	46000		ug/kg	1100	360	10

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-11	D	Date Collected:	08/20/14 11:35
Client ID:	G1_SODUP01_3-5		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	08/21/14 18:31
Analytical Date:	08/27/14 02:56			
Analyst:	PS			
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	300	76.	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	120	2
Hexachlorobenzene	ND		ug/kg	220	69.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	100	2
2-Chloronaphthalene	ND		ug/kg	370	120	2
1,2-Dichlorobenzene	ND		ug/kg	370	120	2
1,3-Dichlorobenzene	ND		ug/kg	370	120	2
1,4-Dichlorobenzene	ND		ug/kg	370	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	99.	2
2,4-Dinitrotoluene	ND		ug/kg	370	80.	2
2,6-Dinitrotoluene	ND		ug/kg	370	95.	2
Fluoranthene	28000	E	ug/kg	220	68.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	85.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	110	2
Hexachlorobutadiene	ND		ug/kg	370	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	67.	2
Isophorone	ND		ug/kg	330	99.	2
Naphthalene	600		ug/kg	370	120	2
Nitrobenzene	ND		ug/kg	330	88.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	78.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	370	97.	2
Butyl benzyl phthalate	ND		ug/kg	370	72.	2
Di-n-butylphthalate	ND		ug/kg	370	72.	2
Di-n-octylphthalate	ND		ug/kg	370	91.	2
Diethyl phthalate	ND		ug/kg	370	78.	2
Dimethyl phthalate	ND		ug/kg	370	94.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-11 D Date Collected: 08/20/14 11:35

Client ID: G1_SODUP01_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	23000	E	ug/kg	220	72.	2
Benzo(a)pyrene	21000	E	ug/kg	300	91.	2
Benzo(b)fluoranthene	26000	E	ug/kg	220	75.	2
Benzo(k)fluoranthene	7900		ug/kg	220	71.	2
Chrysene	21000	E	ug/kg	220	73.	2
Acenaphthylene	1300		ug/kg	300	69.	2
Anthracene	8100		ug/kg	220	62.	2
Benzo(ghi)perylene	13000		ug/kg	300	77.	2
Fluorene	1800		ug/kg	370	110	2
Phenanthrene	19000	E	ug/kg	220	72.	2
Dibenzo(a,h)anthracene	3100		ug/kg	220	72.	2
Indeno(1,2,3-cd)Pyrene	14000		ug/kg	300	82.	2
Pyrene	30000	E	ug/kg	220	72.	2
Biphenyl	ND		ug/kg	840	120	2
4-Chloroaniline	ND		ug/kg	370	98.	2
2-Nitroaniline	ND		ug/kg	370	100	2
3-Nitroaniline	ND		ug/kg	370	100	2
4-Nitroaniline	ND		ug/kg	370	100	2
Dibenzofuran	880		ug/kg	370	120	2
2-Methylnaphthalene	340	J	ug/kg	440	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	110	2
Acetophenone	ND		ug/kg	370	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	70.	2
P-Chloro-M-Cresol	ND		ug/kg	370	110	2
2-Chlorophenol	ND		ug/kg	370	110	2
2,4-Dichlorophenol	ND		ug/kg	330	120	2
2,4-Dimethylphenol	ND		ug/kg	370	110	2
2-Nitrophenol	ND		ug/kg	800	120	2
4-Nitrophenol	ND		ug/kg	520	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	510	2
4,6-Dinitro-o-cresol	ND		ug/kg	960	140	2
Pentachlorophenol	ND		ug/kg	300	79.	2
Phenol	ND		ug/kg	370	110	2
2-Methylphenol	ND		ug/kg	370	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	120	2
2,4,5-Trichlorophenol	ND		ug/kg	370	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	370	110	2
Carbazole	680		ug/kg	370	80.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-11 D Date Collected: 08/20/14 11:35

Client ID: G1_SODUP01_3-5 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/kg	490	150	2
Caprolactam	ND		ug/kg	370	100	2
Atrazine	ND		ug/kg	300	84.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	370	63.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	74		0-136
4-Terphenyl-d14	75		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-12	Date Collected:	08/20/14 14:15
Client ID:	G1_SOFB01_082014	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/23/14 15:36
Analytical Date:	08/27/14 14:19		
Analyst:	RC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.28	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Hexachlorobenzene	ND		ug/l	2.0	0.40	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
2-Chloronaphthalene	ND		ug/l	2.0	0.46	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
Fluoranthene	ND		ug/l	2.0	0.40	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorobutadiene	ND		ug/l	2.0	0.42	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Hexachloroethane	ND		ug/l	2.0	0.30	1
Isophorone	ND		ug/l	5.0	0.79	1
Naphthalene	ND		ug/l	2.0	0.33	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	1.7	J	ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-12 Date Collected: 08/20/14 14:15

Client ID: G1_SOFB01_082014 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.66	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30	1
Chrysene	ND		ug/l	2.0	0.30	1
Acenaphthylene	ND		ug/l	2.0	0.37	1
Anthracene	ND		ug/l	2.0	0.20	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.57	1
Fluorene	ND		ug/l	2.0	0.32	1
Phenanthrene	ND		ug/l	2.0	0.23	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43	1
Pyrene	ND		ug/l	2.0	0.52	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
2-Methylnaphthalene	ND		ug/l	2.0	0.36	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Pentachlorophenol	ND		ug/l	10	3.2	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-12 Date Collected: 08/20/14 14:15

Client ID: G1_SOFB01_082014 Date Received: 08/20/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	91		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/14 20:48
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/21/14 18:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG715914-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	53	J	ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/14 20:48
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/21/14 18:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG715914-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/14 20:48
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/21/14 18:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG715914-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	116		0-136
4-Terphenyl-d14	109		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 10:41
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 08/23/14 15:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG716400-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 10:41
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 08/23/14 15:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG716400-1					
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 10:41
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 08/23/14 15:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG716400-1					
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Tentatively Identified Compounds

Unknown	13	J	ug/l
Unknown	7.3	J	ug/l

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/27/14 10:41
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 08/23/14 15:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG716400-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	95		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG715914-2 WG715914-3								
Acenaphthene	84		76		31-137	10		50
1,2,4-Trichlorobenzene	82		67		38-107	20		50
Hexachlorobenzene	119		109		40-140	9		50
Bis(2-chloroethyl)ether	68		59		40-140	14		50
2-Chloronaphthalene	88		76		40-140	15		50
1,2-Dichlorobenzene	76		65		40-140	16		50
1,3-Dichlorobenzene	72		63		40-140	13		50
1,4-Dichlorobenzene	74		65		28-104	13		50
3,3'-Dichlorobenzidine	76		73		40-140	4		50
2,4-Dinitrotoluene	**95**	Q	**92**	Q	28-89	3		50
2,6-Dinitrotoluene	98		90		40-140	9		50
Fluoranthene	100		93		40-140	7		50
4-Chlorophenyl phenyl ether	95		87		40-140	9		50
4-Bromophenyl phenyl ether	113		104		40-140	8		50
Bis(2-chloroisopropyl)ether	42		**35**	Q	40-140	18		50
Bis(2-chloroethoxy)methane	71		58		40-117	20		50
Hexachlorobutadiene	88		75		40-140	16		50
Hexachlorocyclopentadiene	72		56		40-140	25		50
Hexachloroethane	74		63		40-140	16		50
Isophorone	71		63		40-140	12		50
Naphthalene	82		67		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG715914-2 WG715914-3								
Nitrobenzene	68		58		40-140	16		50
NitrosoDiPhenylAmine(NDPA)/DPA	91		90			1		50
n-Nitrosodi-n-propylamine	61		51		32-121	18		50
Bis(2-Ethylhexyl)phthalate	93		87		40-140	7		50
Butyl benzyl phthalate	100		91		40-140	9		50
Di-n-butylphthalate	94		88		40-140	7		50
Di-n-octylphthalate	94		91		40-140	3		50
Diethyl phthalate	95		89		40-140	7		50
Dimethyl phthalate	94		87		40-140	8		50
Benzo(a)anthracene	96		90		40-140	6		50
Benzo(a)pyrene	97		94		40-140	3		50
Benzo(b)fluoranthene	97		95		40-140	2		50
Benzo(k)fluoranthene	98		92		40-140	6		50
Chrysene	100		95		40-140	5		50
Acenaphthylene	91		80		40-140	13		50
Anthracene	95		89		40-140	7		50
Benzo(ghi)perylene	100		96		40-140	4		50
Fluorene	93		85		40-140	9		50
Phenanthrene	94		87		40-140	8		50
Dibenzo(a,h)anthracene	102		97		40-140	5		50
Indeno(1,2,3-cd)Pyrene	101		97		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG715914-2 WG715914-3								
Pyrene	98		91		35-142	7		50
Biphenyl	86		74			15		50
4-Chloroaniline	66		57		40-140	15		50
2-Nitroaniline	93		86		47-134	8		50
3-Nitroaniline	64		66		26-129	3		50
4-Nitroaniline	88		86		41-125	2		50
Dibenzofuran	85		78		40-140	9		50
2-Methylnaphthalene	81		68		40-140	17		50
1,2,4,5-Tetrachlorobenzene	86		74		40-117	15		50
Acetophenone	78		67		14-144	15		50
2,4,6-Trichlorophenol	92		79		30-130	15		50
P-Chloro-M-Cresol	85		75		26-103	13		50
2-Chlorophenol	77		64		25-102	18		50
2,4-Dichlorophenol	86		71		30-130	19		50
2,4-Dimethylphenol	79		67		30-130	16		50
2-Nitrophenol	77		70		30-130	10		50
4-Nitrophenol	78		75		11-114	4		50
2,4-Dinitrophenol	76		71		4-130	7		50
4,6-Dinitro-o-cresol	97		91		10-130	6		50
Pentachlorophenol	101		92		17-109	9		50
Phenol	68		59		26-90	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG715914-2 WG715914-3								
2-Methylphenol	74		61		30-130.	19		50
3-Methylphenol/4-Methylphenol	80		68		30-130	16		50
2,4,5-Trichlorophenol	94		83		30-130	12		50
Benzoic Acid	41		35			16		50
Benzyl Alcohol	69		60		40-140	14		50
Carbazole	91		84		54-128	8		50
Benzaldehyde	61		56			9		50
Caprolactam	58		53			9		50
Atrazine	104		97			7		50
2,3,4,6-Tetrachlorophenol	100		95			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		68		25-120
Phenol-d6	74		63		10-120
Nitrobenzene-d5	67		58		23-120
2-Fluorobiphenyl	88		77		30-120
2,4,6-Tribromophenol	123		112		0-136
4-Terphenyl-d14	103		99		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG716400-2 WG716400-3								
Acenaphthene	94		86		37-111	9		30
1,2,4-Trichlorobenzene	70		65		39-98	7		30
Hexachlorobenzene	97		90		40-140	7		30
Bis(2-chloroethyl)ether	85		80		40-140	6		30
2-Chloronaphthalene	89		81		40-140	9		30
1,2-Dichlorobenzene	72		62		40-140	15		30
1,3-Dichlorobenzene	69		59		40-140	16		30
1,4-Dichlorobenzene	70		60		36-97	15		30
3,3'-Dichlorobenzidine	85		74		40-140	14		30
2,4-Dinitrotoluene	**108**	Q	**98**	Q	24-96	10		30
2,6-Dinitrotoluene	104		94		40-140	10		30
Fluoranthene	102		92		40-140	10		30
4-Chlorophenyl phenyl ether	100		90		40-140	11		30
4-Bromophenyl phenyl ether	102		92		40-140	10		30
Bis(2-chloroisopropyl)ether	84		80		40-140	5		30
Bis(2-chloroethoxy)methane	92		87		40-140	6		30
Hexachlorobutadiene	71		66		40-140	7		30
Hexachlorocyclopentadiene	44		46		40-140	4		30
Hexachloroethane	71		60		40-140	17		30
Isophorone	97		91		40-140	6		30
Naphthalene	80		73		40-140	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG716400-2 WG716400-3								
Nitrobenzene	85		84		40-140	1		30
NitrosoDiPhenylAmine(NDPA)/DPA	97		90		40-140	7		30
n-Nitrosodi-n-propylamine	89		82		29-132	8		30
Bis(2-Ethylhexyl)phthalate	118		112		40-140	5		30
Butyl benzyl phthalate	106		99		40-140	7		30
Di-n-butylphthalate	110		102		40-140	8		30
Di-n-octylphthalate	117		109		40-140	7		30
Diethyl phthalate	106		97		40-140	9		30
Dimethyl phthalate	104		95		40-140	9		30
Benzo(a)anthracene	105		98		40-140	7		30
Benzo(a)pyrene	106		99		40-140	7		30
Benzo(b)fluoranthene	108		100		40-140	8		30
Benzo(k)fluoranthene	114		103		40-140	10		30
Chrysene	108		99		40-140	9		30
Acenaphthylene	95		86		45-123	10		30
Anthracene	104		96		40-140	8		30
Benzo(ghi)perylene	103		94		40-140	9		30
Fluorene	100		89		40-140	12		30
Phenanthrene	104		94		40-140	10		30
Dibenzo(a,h)anthracene	106		97		40-140	9		30
Indeno(1,2,3-cd)Pyrene	104		96		40-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG716400-2 WG716400-3								
Pyrene	101		92		26-127	9		30
Biphenyl	98		90			9		30
4-Chloroaniline	85		80		40-140	6		30
2-Nitroaniline	100		92		52-143	8		30
3-Nitroaniline	84		76		25-145	10		30
4-Nitroaniline	98		87		51-143	12		30
Dibenzofuran	93		85		40-140	9		30
2-Methylnaphthalene	80		74		40-140	8		30
1,2,4,5-Tetrachlorobenzene	88		84		2-134	5		30
Acetophenone	95		88		39-129	8		30
2,4,6-Trichlorophenol	103		93		30-130	10		30
P-Chloro-M-Cresol	96		86		23-97	11		30
2-Chlorophenol	77		71		27-123	8		30
2,4-Dichlorophenol	90		82		30-130	9		30
2,4-Dimethylphenol	90		86		30-130	5		30
2-Nitrophenol	87		78		30-130	11		30
4-Nitrophenol	61		55		10-80	10		30
2,4-Dinitrophenol	91		82		20-130	10		30
4,6-Dinitro-o-cresol	104		94		20-164	10		30
Pentachlorophenol	100		94		9-103	6		30
Phenol	40		38		12-110	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG716400-2 WG716400-3								
2-Methylphenol	72		70		30-130	3		30
3-Methylphenol/4-Methylphenol	72		64		30-130	12		30
2,4,5-Trichlorophenol	105		96		30-130	9		30
Benzoic Acid	35		32			9		30
Benzyl Alcohol	75		70			7		30
Carbazole	100		91		55-144	9		30
Benzaldehyde	80		76		40-140	5		30
Caprolactam	35		33		10-130	6		30
Atrazine	112		108		40-140	4		30
2,3,4,6-Tetrachlorophenol	116		104		54-145	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		52		21-120
Phenol-d6	41		36		10-120
Nitrobenzene-d5	86		81		23-120
2-Fluorobiphenyl	89		84		15-120
2,4,6-Tribromophenol	108		101		10-120
4-Terphenyl-d14	98		90		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG715914-4 WG715914-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Acenaphthene	58.J	1370	1300	95		1300	94		31-137	0		50
1,2,4-Trichlorobenzene	ND	1370	1000	73		910	66		38-107	9		50
Hexachlorobenzene	ND	1370	1400	100		1400	100		40-140	0		50
Bis(2-chloroethyl)ether	ND	1370	980	71		820	59		40-140	18		50
2-Chloronaphthalene	ND	1370	1300	95		1200	87		40-140	8		50
1,2-Dichlorobenzene	ND	1370	940	68		770	56		40-140	20		50
1,3-Dichlorobenzene	ND	1370	910	66		730	53		40-140	22		50
1,4-Dichlorobenzene	ND	1370	920	67		750	54		28-104	20		50
3,3'-Dichlorobenzidine	ND	1370	ND	**0**	Q	890	64		40-140	NC		50
2,4-Dinitrotoluene	ND	1370	1400	**100**	Q	1400	**100**	Q	28-89	0		50
2,6-Dinitrotoluene	ND	1370	1500	110		1500	110		40-140	0		50
Fluoranthene	1600	1370	3600	**150**	Q	4700	**220**	Q	40-140	27		50
4-Chlorophenyl phenyl ether	ND	1370	1400	100		1300	94		40-140	7		50
4-Bromophenyl phenyl ether	ND	1370	1500	110		1400	100		40-140	7		50
Bis(2-chloroisopropyl)ether	ND	1370	930	68		770	56		40-140	19		50
Bis(2-chloroethoxy)methane	ND	1370	1100	80		970	70		40-117	13		50
Hexachlorobutadiene	ND	1370	1100	80		910	66		40-140	19		50
Hexachlorocyclopentadiene	ND	1370	1100	80		820	59		40-140	29		50
Hexachloroethane	ND	1370	970	71		780	56		40-140	22		50
Isophorone	ND	1370	1100	80		990	72		40-140	11		50
Naphthalene	62.J	1370	1200	87		1100	80		40-140	9		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG715914-4 WG715914-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Nitrobenzene	ND	1370	1200	87		990	72		40-140	19		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1370	1300	95		1300	94			0		50
n-Nitrosodi-n-propylamine	ND	1370	980	71		900	65		32-121	9		50
Bis(2-Ethylhexyl)phthalate	98.J	1370	1600	120		1600	120		40-140	0		50
Butyl benzyl phthalate	ND	1370	1600	120		1500	110		40-140	6		50
Di-n-butylphthalate	ND	1370	1400	100		1400	100		40-140	0		50
Di-n-octylphthalate	ND	1370	1600	120		1500	110		40-140	6		50
Diethyl phthalate	ND	1370	1400	100		1300	94		40-140	7		50
Dimethyl phthalate	ND	1370	1300	95		1200	87		40-140	8		50
Benzo(a)anthracene	780	1370	2700	140		3300	**180**	Q	40-140	20		50
Benzo(a)pyrene	790	1370	2700	140		3300	**180**	Q	40-140	20		50
Benzo(b)fluoranthene	980	1370	3200	**160**	Q	3800	**200**	Q	40-140	17		50
Benzo(k)fluoranthene	430	1370	2100	120		2200	130		40-140	5		50
Chrysene	830	1370	2600	130		3300	**180**	Q	40-140	24		50
Acenaphthylene	190	1370	1600	100		1700	110		40-140	6		50
Anthracene	260	1370	1800	110		1900	120		40-140	5		50
Benzo(ghi)perylene	520	1370	2200	120		2500	140		40-140	13		50
Fluorene	64.J	1370	1400	100		1400	100		40-140	0		50
Phenanthrene	870	1370	2800	140		3500	**190**	Q	40-140	22		50
Dibenzo(a,h)anthracene	130	1370	1600	110		1600	110		40-140	0		50
Indeno(1,2,3-cd)Pyrene	550	1370	2300	130		2700	**160**	Q	40-140	16		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG715914-4 WG715914-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Pyrene	1400	1370	3400	**150**	Q	4400	**220**	Q	35-142	26		50
Biphenyl	ND	1370	1400	100		1200	87			15		50
4-Chloroaniline	ND	1370	830	60		890	64		40-140	7		50
2-Nitroaniline	ND	1370	1500	110		1500	110		47-134	0		50
3-Nitroaniline	ND	1370	1100	80		1200	87		26-129	9		50
4-Nitroaniline	ND	1370	1200	87		1300	94		41-125	8		50
Dibenzofuran	ND	1370	1400	100		1400	100		40-140	0		50
2-Methylnaphthalene	ND	1370	1200	87		1100	80		40-140	9		50
1,2,4,5-Tetrachlorobenzene	ND	1370	1300	95		1200	87		40-117	8		50
Acetophenone	ND	1370	1200	87		1000	72		14-144	18		50
2,4,6-Trichlorophenol	ND	1370	1200	87		1200	87		30-130	0		50
P-Chloro-M-Cresol	ND	1370	1400	100		1400	100		26-103	0		50
2-Chlorophenol	ND	1370	1000	73		900	65		25-102	11		50
2,4-Dichlorophenol	ND	1370	1300	95		1200	87		30-130	8		50
2,4-Dimethylphenol	ND	1370	1200	87		1000	72		30-130	18		50
2-Nitrophenol	ND	1370	1200	87		1000	72		30-130	18		50
4-Nitrophenol	ND	1370	830	60		860	62		11-114	4		50
2,4-Dinitrophenol	ND	1370	270J	20		ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1370	300J	22		190J	14		10-130	45		50
Pentachlorophenol	ND	1370	580	42		530	38		17-109	9		50
Phenol	ND	1370	1100	80		990	72		26-90	11		50

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG715914-4 WG715914-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
2-Methylphenol	ND	1370	1100	80		980	71		30-130.	12		50
3-Methylphenol/4-Methylphenol	ND	1370	1200	87		1200	87		30-130	0		50
2,4,5-Trichlorophenol	ND	1370	1300	95		1300	94		30-130	0		50
Benzoic Acid	ND	1370	ND	0	Q	ND	0	Q		NC		50
Benzyl Alcohol	ND	1370	1200	87		1000	72		40-140	18		50
Carbazole	86.J	1370	1500	110		1500	110		54-128	0		50
Benzaldehyde	ND	1370	1100	80		920	67			18		50
Caprolactam	ND	1370	1400	100		1400	100			0		50
Atrazine	ND	1370	1500	110		1500	110			0		50
2,3,4,6-Tetrachlorophenol	ND	1370	810	59		790	57			3		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	79		78		0-136
2-Fluorobiphenyl	86		76		30-120
2-Fluorophenol	72		58		25-120
4-Terphenyl-d14	99		96		18-120
Nitrobenzene-d5	79		68		23-120
Phenol-d6	79		70		10-120

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-01	Date Collected:	08/20/14 11:30
Client ID:	SB-33_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 23:21	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	88%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	2.96	1	A
Aroclor 1221	ND		ug/kg	37.5	3.45	1	A
Aroclor 1232	ND		ug/kg	37.5	4.39	1	A
Aroclor 1242	ND		ug/kg	37.5	4.58	1	A
Aroclor 1248	ND		ug/kg	37.5	3.16	1	A
Aroclor 1254	ND		ug/kg	37.5	3.08	1	A
Aroclor 1260	ND		ug/kg	37.5	2.85	1	A
Aroclor 1262	ND		ug/kg	37.5	1.86	1	A
Aroclor 1268	ND		ug/kg	37.5	5.43	1	A
PCBs, Total	ND		ug/kg	37.5	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-02	Date Collected:	08/20/14 11:35
Client ID:	SB-33_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 23:33	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	90%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	2.80	1	A
Aroclor 1221	ND		ug/kg	35.4	3.27	1	A
Aroclor 1232	ND		ug/kg	35.4	4.15	1	A
Aroclor 1242	ND		ug/kg	35.4	4.34	1	A
Aroclor 1248	ND		ug/kg	35.4	2.99	1	A
Aroclor 1254	ND		ug/kg	35.4	2.91	1	A
Aroclor 1260	32.1	J	ug/kg	35.4	2.70	1	B
Aroclor 1262	ND		ug/kg	35.4	1.76	1	A
Aroclor 1268	ND		ug/kg	35.4	5.14	1	A
PCBs, Total	32.1	J	ug/kg	35.4	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-03	Date Collected:	08/20/14 10:00
Client ID:	SB-34_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 23:46	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	94%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	2.69	1	A
Aroclor 1221	ND		ug/kg	34.0	3.14	1	A
Aroclor 1232	ND		ug/kg	34.0	3.99	1	A
Aroclor 1242	ND		ug/kg	34.0	4.17	1	A
Aroclor 1248	ND		ug/kg	34.0	2.87	1	A
Aroclor 1254	ND		ug/kg	34.0	2.80	1	A
Aroclor 1260	ND		ug/kg	34.0	2.59	1	A
Aroclor 1262	ND		ug/kg	34.0	1.69	1	A
Aroclor 1268	ND		ug/kg	34.0	4.94	1	A
PCBs, Total	ND		ug/kg	34.0	1.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-04	Date Collected:	08/20/14 10:05
Client ID:	SB-34_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/23/14 23:58	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	91%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	2.73	1	A
Aroclor 1221	ND		ug/kg	34.6	3.19	1	A
Aroclor 1232	ND		ug/kg	34.6	4.05	1	A
Aroclor 1242	ND		ug/kg	34.6	4.23	1	A
Aroclor 1248	ND		ug/kg	34.6	2.92	1	A
Aroclor 1254	ND		ug/kg	34.6	2.84	1	A
Aroclor 1260	ND		ug/kg	34.6	2.63	1	A
Aroclor 1262	ND		ug/kg	34.6	1.71	1	A
Aroclor 1268	ND		ug/kg	34.6	5.01	1	A
PCBs, Total	ND		ug/kg	34.6	1.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-05	Date Collected:	08/20/14 09:41
Client ID:	SB-35_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/24/14 00:11	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	92%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	2.75	1	A
Aroclor 1221	ND		ug/kg	34.8	3.21	1	A
Aroclor 1232	ND		ug/kg	34.8	4.08	1	A
Aroclor 1242	ND		ug/kg	34.8	4.26	1	A
Aroclor 1248	ND		ug/kg	34.8	2.94	1	A
Aroclor 1254	ND		ug/kg	34.8	2.86	1	A
Aroclor 1260	16.2	J	ug/kg	34.8	2.66	1	B
Aroclor 1262	ND		ug/kg	34.8	1.73	1	A
Aroclor 1268	ND		ug/kg	34.8	5.05	1	A
PCBs, Total	16.2	J	ug/kg	34.8	1.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-06	Date Collected:	08/20/14 09:43
Client ID:	SB-35_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 17:07
Analytical Date:	08/24/14 02:26	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	85%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	2.99	1	A
Aroclor 1221	ND		ug/kg	37.9	3.50	1	A
Aroclor 1232	ND		ug/kg	37.9	4.44	1	A
Aroclor 1242	ND		ug/kg	37.9	4.64	1	A
Aroclor 1248	ND		ug/kg	37.9	3.20	1	A
Aroclor 1254	ND		ug/kg	37.9	3.12	1	A
Aroclor 1260	ND		ug/kg	37.9	2.89	1	A
Aroclor 1262	ND		ug/kg	37.9	1.88	1	A
Aroclor 1268	ND		ug/kg	37.9	5.50	1	A
PCBs, Total	ND		ug/kg	37.9	1.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-07	Date Collected:	08/20/14 09:45
Client ID:	SB-36_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/24/14 02:39	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	96%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.1	2.62	1	A
Aroclor 1221	ND		ug/kg	33.1	3.05	1	A
Aroclor 1232	ND		ug/kg	33.1	3.88	1	A
Aroclor 1242	ND		ug/kg	33.1	4.05	1	A
Aroclor 1248	ND		ug/kg	33.1	2.79	1	A
Aroclor 1254	ND		ug/kg	33.1	2.72	1	A
Aroclor 1260	11.2	J	ug/kg	33.1	2.52	1	B
Aroclor 1262	ND		ug/kg	33.1	1.64	1	A
Aroclor 1268	ND		ug/kg	33.1	4.80	1	A
PCBs, Total	11.2	J	ug/kg	33.1	1.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-08	Date Collected:	08/20/14 09:48
Client ID:	SB-36_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/24/14 02:51	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	95%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	2.75	1	A
Aroclor 1221	ND		ug/kg	34.9	3.22	1	A
Aroclor 1232	ND		ug/kg	34.9	4.09	1	A
Aroclor 1242	ND		ug/kg	34.9	4.27	1	A
Aroclor 1248	ND		ug/kg	34.9	2.94	1	A
Aroclor 1254	ND		ug/kg	34.9	2.87	1	A
Aroclor 1260	ND		ug/kg	34.9	2.66	1	A
Aroclor 1262	ND		ug/kg	34.9	1.73	1	A
Aroclor 1268	ND		ug/kg	34.9	5.06	1	A
PCBs, Total	ND		ug/kg	34.9	1.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-09	Date Collected:	08/20/14 14:00
Client ID:	SB-37_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/24/14 03:04	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	95%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.1	2.62	1	A
Aroclor 1221	ND		ug/kg	33.1	3.05	1	A
Aroclor 1232	ND		ug/kg	33.1	3.88	1	A
Aroclor 1242	ND		ug/kg	33.1	4.05	1	A
Aroclor 1248	ND		ug/kg	33.1	2.79	1	A
Aroclor 1254	ND		ug/kg	33.1	2.72	1	A
Aroclor 1260	ND		ug/kg	33.1	2.52	1	A
Aroclor 1262	ND		ug/kg	33.1	1.64	1	A
Aroclor 1268	ND		ug/kg	33.1	4.80	1	A
PCBs, Total	ND		ug/kg	33.1	1.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-10	Date Collected:	08/20/14 14:05
Client ID:	SB-37_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/24/14 03:16	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	93%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	2.74	1	A
Aroclor 1221	ND		ug/kg	34.7	3.20	1	A
Aroclor 1232	ND		ug/kg	34.7	4.07	1	A
Aroclor 1242	ND		ug/kg	34.7	4.25	1	A
Aroclor 1248	ND		ug/kg	34.7	2.93	1	A
Aroclor 1254	ND		ug/kg	34.7	2.85	1	A
Aroclor 1260	ND		ug/kg	34.7	2.65	1	A
Aroclor 1262	ND		ug/kg	34.7	1.72	1	A
Aroclor 1268	ND		ug/kg	34.7	5.04	1	A
PCBs, Total	ND		ug/kg	34.7	1.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-11	Date Collected:	08/20/14 11:35
Client ID:	G1_SODUP01_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	08/22/14 16:55
Analytical Date:	08/24/14 03:28	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/23/14
Percent Solids:	89%	Cleanup Method:	EPA 3660B
		Cleanup Date:	08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	2.83	1	A
Aroclor 1221	ND		ug/kg	35.8	3.30	1	A
Aroclor 1232	ND		ug/kg	35.8	4.20	1	A
Aroclor 1242	ND		ug/kg	35.8	4.38	1	A
Aroclor 1248	ND		ug/kg	35.8	3.02	1	A
Aroclor 1254	ND		ug/kg	35.8	2.94	1	A
Aroclor 1260	16.6	J	ug/kg	35.8	2.73	1	B
Aroclor 1262	ND		ug/kg	35.8	1.78	1	A
Aroclor 1268	ND		ug/kg	35.8	5.19	1	A
PCBs, Total	16.6	J	ug/kg	35.8	1.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-12	Date Collected:	08/20/14 14:15
Client ID:	G1_SOFB01_082014	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/22/14 17:14
Analytical Date:	08/25/14 00:44	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/24/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418990

Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/24/14 01:37
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 08/22/14 16:55
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-11 Batch: WG716238-1						
Aroclor 1016	ND		ug/kg	31.3	2.47	A
Aroclor 1221	ND		ug/kg	31.3	2.89	A
Aroclor 1232	ND		ug/kg	31.3	3.67	A
Aroclor 1242	ND		ug/kg	31.3	3.83	A
Aroclor 1248	ND		ug/kg	31.3	2.64	A
Aroclor 1254	ND		ug/kg	31.3	2.57	A
Aroclor 1260	ND		ug/kg	31.3	2.38	A
Aroclor 1262	ND		ug/kg	31.3	1.55	A
Aroclor 1268	ND		ug/kg	31.3	4.54	A
PCBs, Total	ND		ug/kg	31.3	1.55	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1418990

Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/25/14 00:56
Analyst: TQ

Extraction Method: EPA 3510C
Extraction Date: 08/22/14 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 08/24/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/24/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12 Batch: WG716244-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	67		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716238-4 WG716238-5 QC Sample: L1418860-12 Client ID: MS Sample													
Aroclor 1016	ND	217	121	56		120	56		40-140	1		50	A
Aroclor 1260	ND	217	91.8	42		97.1	45		40-140	6		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		55		30-150	A
Decachlorobiphenyl	44		44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		60		30-150	B
Decachlorobiphenyl	54		58		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716238-6 WG716238-7 QC Sample: L1418990-08 Client ID: SB-36_3-5													
Aroclor 1016	ND	208	136	66		131	61		40-140	4		50	A
Aroclor 1260	ND	208	110	53		110	51		40-140	0		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		70		30-150	A
Decachlorobiphenyl	47		49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		59		30-150	B
Decachlorobiphenyl	53		52		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716238-8 WG716238-9 QC Sample: L1418996-03 Client ID: MS Sample													
Aroclor 1016	ND	227	114	50		100	45		40-140	13		50	A
Aroclor 1260	ND	227	104	46		91.6	41		40-140	13		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		50		30-150	A
Decachlorobiphenyl	47		49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		50		30-150	B
Decachlorobiphenyl	60		52		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-11 Batch: WG716238-2 WG716238-3									
Aroclor 1016	62		**32**	Q	40-140	**64**	Q	50	A
Aroclor 1260	51		**24**	Q	40-140	**72**	Q	50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		31		30-150	A
Decachlorobiphenyl	48		**23**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		35		30-150	B
Decachlorobiphenyl	55		**25**	Q	30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12 Batch: WG716244-2 WG716244-3									
Aroclor 1016	66		64		40-140	2		50	A
Aroclor 1260	68		68		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		76		30-150	B
Decachlorobiphenyl	70		68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		61		30-150	A
Decachlorobiphenyl	62		61		30-150	A

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-01	Date Collected:	08/20/14 11:30
Client ID:	SB-33_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/24/14 04:01	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.354	1	A
Lindane	ND		ug/kg	0.752	0.336	1	A
Alpha-BHC	ND		ug/kg	0.752	0.214	1	A
Beta-BHC	ND		ug/kg	1.80	0.684	1	A
Heptachlor	ND		ug/kg	0.903	0.405	1	A
Aldrin	ND		ug/kg	1.80	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.02	1	A
Endrin	ND		ug/kg	0.752	0.308	1	A
Endrin ketone	ND		ug/kg	1.80	0.465	1	A
Dieldrin	ND		ug/kg	1.13	0.564	1	A
4,4'-DDE	ND		ug/kg	1.80	0.418	1	A
4,4'-DDD	ND		ug/kg	1.80	0.644	1	A
4,4'-DDT	ND		ug/kg	3.38	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	3.18	PI	ug/kg	1.80	0.603	1	A
Endosulfan sulfate	ND		ug/kg	0.752	0.358	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.48	1	A
cis-Chlordane	ND		ug/kg	2.26	0.629	1	A
trans-Chlordane	ND		ug/kg	2.26	0.596	1	A
Chlordane	ND		ug/kg	14.7	5.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	131		30-150	B
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-01	Date Collected:	08/20/14 11:30
Client ID:	SB-33_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 02:46		
Analyst:	SH		
Percent Solids:	88%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	22.9	1	A
2,4,5-T	ND		ug/kg	188	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	69		30-150	B

Project Name: GREENPOINT LANDING
Lab Number: L1418990
Project Number: 170229002
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-02	Date Collected:	08/20/14 11:35
Client ID:	SB-33_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 03:08		
Analyst:	SH		
Percent Solids:	90%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	183	22.3	1	A
2,4,5-T	ND		ug/kg	183	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	183	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-02	D	Date Collected:	08/20/14 11:35
Client ID:	SB-33_3-5		Date Received:	08/20/14
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	08/22/14 13:42
Analytical Date:	08/24/14 04:33		Cleanup Method:	EPA 3620B
Analyst:	JW		Cleanup Date:	08/23/14
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.48	1.66	5	A
Lindane	ND		ug/kg	3.53	1.58	5	A
Alpha-BHC	ND		ug/kg	3.53	1.00	5	A
Beta-BHC	ND		ug/kg	8.48	3.21	5	A
Heptachlor	ND		ug/kg	4.24	1.90	5	A
Aldrin	ND		ug/kg	8.48	2.98	5	A
Heptachlor epoxide	ND		ug/kg	15.9	4.77	5	A
Endrin	ND		ug/kg	3.53	1.45	5	A
Endrin ketone	ND		ug/kg	8.48	2.18	5	A
Dieldrin	ND		ug/kg	5.30	2.65	5	A
4,4'-DDE	ND		ug/kg	8.48	1.96	5	A
4,4'-DDD	ND		ug/kg	8.48	3.02	5	A
4,4'-DDT	ND		ug/kg	15.9	6.82	5	A
Endosulfan I	ND		ug/kg	8.48	2.00	5	A
Endosulfan II	8.61	PI	ug/kg	8.48	2.83	5	A
Endosulfan sulfate	ND		ug/kg	3.53	1.68	5	A
Methoxychlor	ND		ug/kg	15.9	4.94	5	A
Toxaphene	ND		ug/kg	159	44.5	5	A
cis-Chlordane	ND		ug/kg	10.6	2.95	5	A
trans-Chlordane	ND		ug/kg	10.6	2.80	5	A
Chlordane	ND		ug/kg	68.8	28.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-03	Date Collected:	08/20/14 10:00
Client ID:	SB-34_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/24/14 01:54	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.316	1	A
Lindane	ND		ug/kg	0.672	0.301	1	A
Alpha-BHC	ND		ug/kg	0.672	0.191	1	A
Beta-BHC	ND		ug/kg	1.61	0.612	1	A
Heptachlor	ND		ug/kg	0.807	0.362	1	A
Aldrin	ND		ug/kg	1.61	0.568	1	A
Heptachlor epoxide	ND		ug/kg	3.03	0.908	1	A
Endrin	ND		ug/kg	0.672	0.276	1	A
Endrin ketone	6.36		ug/kg	1.61	0.416	1	B
Dieldrin	ND		ug/kg	1.01	0.504	1	A
4,4'-DDE	ND		ug/kg	1.61	0.373	1	A
4,4'-DDD	ND		ug/kg	1.61	0.576	1	A
4,4'-DDT	ND		ug/kg	3.03	1.30	1	A
Endosulfan I	ND		ug/kg	1.61	0.381	1	A
Endosulfan II	ND		ug/kg	1.61	0.539	1	A
Endosulfan sulfate	ND		ug/kg	0.672	0.320	1	A
Methoxychlor	ND		ug/kg	3.03	0.942	1	A
Toxaphene	ND		ug/kg	30.3	8.47	1	A
cis-Chlordane	ND		ug/kg	2.02	0.562	1	A
trans-Chlordane	ND		ug/kg	2.02	0.533	1	A
Chlordane	ND		ug/kg	13.1	5.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	84		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-03	Date Collected:	08/20/14 10:00
Client ID:	SB-34_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 03:29		
Analyst:	SH		
Percent Solids:	94%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	21.1	1	A
2,4,5-T	ND		ug/kg	173	10.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	9.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	69		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-04	Date Collected:	08/20/14 10:05
Client ID:	SB-34_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/24/14 02:10	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.344	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.987	1	A
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin ketone	10.4		ug/kg	1.75	0.452	1	B
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.626	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	ND		ug/kg	2.19	0.611	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.2	5.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-04	Date Collected:	08/20/14 10:05
Client ID:	SB-34_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 04:12		
Analyst:	SH		
Percent Solids:	91%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.1	1	A
2,4,5-T	ND		ug/kg	182	11.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	56		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-05	Date Collected:	08/20/14 09:41
Client ID:	SB-35_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/27/14 08:42	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.336	1	A
Lindane	ND		ug/kg	0.715	0.320	1	A
Alpha-BHC	ND		ug/kg	0.715	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.651	1	A
Heptachlor	ND		ug/kg	0.858	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.965	1	A
Endrin	ND		ug/kg	0.715	0.293	1	A
Endrin ketone	ND		ug/kg	1.72	0.442	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	2.24		ug/kg	1.72	0.397	1	B
4,4'-DDD	ND		ug/kg	1.72	0.612	1	A
4,4'-DDT	2.22	J	ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.405	1	A
Endosulfan II	ND		ug/kg	1.72	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.715	0.340	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.01	1	A
cis-Chlordane	ND		ug/kg	2.14	0.598	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	13.9	5.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	51		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	42		30-150	A

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-05	Date Collected:	08/20/14 09:41
Client ID:	SB-35_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 04:34		
Analyst:	SH		
Percent Solids:	92%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	21.4	1	A
2,4,5-T	ND		ug/kg	176	11.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	9.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	104		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-06	Date Collected:	08/20/14 09:43
Client ID:	SB-35_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/27/14 08:55	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.896	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.631	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.747	0.306	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	9.36		ug/kg	1.79	0.414	1	B
4,4'-DDD	ND		ug/kg	1.79	0.639	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.355	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.41	1	A
cis-Chlordane	4.39		ug/kg	2.24	0.624	1	A
trans-Chlordane	ND		ug/kg	2.24	0.591	1	A
Chlordane	ND		ug/kg	14.6	5.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-06	Date Collected:	08/20/14 09:43
Client ID:	SB-35_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 04:55		
Analyst:	SH		
Percent Solids:	85%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	194	23.6	1	A
2,4,5-T	ND		ug/kg	194	12.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	10.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	32		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-07	Date Collected:	08/20/14 09:45
Client ID:	SB-36_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/24/14 02:58	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.58	0.309	1	A
Lindane	ND		ug/kg	0.658	0.294	1	A
Alpha-BHC	ND		ug/kg	0.658	0.187	1	A
Beta-BHC	ND		ug/kg	1.58	0.598	1	A
Heptachlor	ND		ug/kg	0.789	0.354	1	A
Aldrin	ND		ug/kg	1.58	0.556	1	A
Heptachlor epoxide	ND		ug/kg	2.96	0.888	1	A
Endrin	ND		ug/kg	0.658	0.270	1	A
Endrin ketone	2.31		ug/kg	1.58	0.406	1	B
Dieldrin	ND		ug/kg	0.986	0.493	1	A
4,4'-DDE	1.18	J	ug/kg	1.58	0.365	1	A
4,4'-DDD	1.26	J	ug/kg	1.58	0.563	1	A
4,4'-DDT	2.98		ug/kg	2.96	1.27	1	A
Endosulfan I	ND		ug/kg	1.58	0.373	1	A
Endosulfan II	ND		ug/kg	1.58	0.527	1	A
Endosulfan sulfate	ND		ug/kg	0.658	0.313	1	A
Methoxychlor	ND		ug/kg	2.96	0.921	1	A
Toxaphene	ND		ug/kg	29.6	8.29	1	A
cis-Chlordane	ND		ug/kg	1.97	0.550	1	A
trans-Chlordane	ND		ug/kg	1.97	0.521	1	A
Chlordane	ND		ug/kg	12.8	5.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	46		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-07	Date Collected:	08/20/14 09:45
Client ID:	SB-36_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 05:17		
Analyst:	SH		
Percent Solids:	96%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	170	20.7	1	A
2,4,5-T	ND		ug/kg	170	10.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	170	9.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-08	Date Collected:	08/20/14 09:48
Client ID:	SB-36_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/24/14 01:38	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.674	0.301	1	A
Alpha-BHC	ND		ug/kg	0.674	0.191	1	A
Beta-BHC	ND		ug/kg	1.62	0.613	1	A
Heptachlor	ND		ug/kg	0.809	0.363	1	A
Aldrin	ND		ug/kg	1.62	0.570	1	A
Heptachlor epoxide	ND		ug/kg	3.03	0.910	1	A
Endrin	ND		ug/kg	0.674	0.276	1	A
Endrin ketone	4.66		ug/kg	1.62	0.416	1	B
Dieldrin	ND		ug/kg	1.01	0.506	1	A
4,4'-DDE	0.915	J	ug/kg	1.62	0.374	1	A
4,4'-DDD	ND		ug/kg	1.62	0.577	1	A
4,4'-DDT	ND		ug/kg	3.03	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.382	1	A
Endosulfan II	ND		ug/kg	1.62	0.541	1	A
Endosulfan sulfate	ND		ug/kg	0.674	0.321	1	A
Methoxychlor	ND		ug/kg	3.03	0.944	1	A
Toxaphene	ND		ug/kg	30.3	8.49	1	A
cis-Chlordane	ND		ug/kg	2.02	0.564	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.1	5.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-08	Date Collected:	08/20/14 09:48
Client ID:	SB-36_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 08:14
Analytical Date:	08/23/14 05:38		
Analyst:	SH		
Percent Solids:	95%		
Methylation Date:	08/22/14 11:19		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	170	20.7	1	A
2,4,5-T	ND		ug/kg	170	10.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	170	9.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	99		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-09	Date Collected:	08/20/14 14:00
Client ID:	SB-37_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/24/14 03:14	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.58	0.310	1	A
Lindane	ND		ug/kg	0.659	0.295	1	A
Alpha-BHC	ND		ug/kg	0.659	0.187	1	A
Beta-BHC	ND		ug/kg	1.58	0.600	1	A
Heptachlor	ND		ug/kg	0.791	0.355	1	A
Aldrin	ND		ug/kg	1.58	0.557	1	A
Heptachlor epoxide	ND		ug/kg	2.97	0.890	1	A
Endrin	ND		ug/kg	0.659	0.270	1	A
Endrin ketone	ND		ug/kg	1.58	0.408	1	A
Dieldrin	ND		ug/kg	0.989	0.494	1	A
4,4'-DDE	ND		ug/kg	1.58	0.366	1	A
4,4'-DDD	ND		ug/kg	1.58	0.564	1	A
4,4'-DDT	ND		ug/kg	2.97	1.27	1	A
Endosulfan I	ND		ug/kg	1.58	0.374	1	A
Endosulfan II	ND		ug/kg	1.58	0.529	1	A
Endosulfan sulfate	ND		ug/kg	0.659	0.314	1	A
Methoxychlor	ND		ug/kg	2.97	0.923	1	A
Toxaphene	ND		ug/kg	29.7	8.31	1	A
cis-Chlordane	ND		ug/kg	1.98	0.551	1	A
trans-Chlordane	ND		ug/kg	1.98	0.522	1	A
Chlordane	ND		ug/kg	12.8	5.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-09	Date Collected:	08/20/14 14:00
Client ID:	SB-37_0-2	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/22/14 05:35
Analytical Date:	08/25/14 07:43		
Analyst:	SH		
Percent Solids:	95%		
Methylation Date:	08/23/14 13:55		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	172	20.9	1	A
2,4,5-T	ND		ug/kg	172	10.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	172	9.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	80		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-10	Date Collected:	08/20/14 14:05
Client ID:	SB-37_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/24/14 03:29	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.322	1	A
Lindane	ND		ug/kg	0.686	0.307	1	A
Alpha-BHC	ND		ug/kg	0.686	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.624	1	A
Heptachlor	ND		ug/kg	0.823	0.369	1	A
Aldrin	ND		ug/kg	1.65	0.580	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.926	1	A
Endrin	ND		ug/kg	0.686	0.281	1	A
Endrin ketone	ND		ug/kg	1.65	0.424	1	A
Dieldrin	ND		ug/kg	1.03	0.515	1	A
4,4'-DDE	ND		ug/kg	1.65	0.381	1	A
4,4'-DDD	ND		ug/kg	1.65	0.587	1	A
4,4'-DDT	ND		ug/kg	3.09	1.32	1	A
Endosulfan I	ND		ug/kg	1.65	0.389	1	A
Endosulfan II	ND		ug/kg	1.65	0.550	1	A
Endosulfan sulfate	ND		ug/kg	0.686	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.961	1	A
Toxaphene	ND		ug/kg	30.9	8.65	1	A
cis-Chlordane	ND		ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.543	1	A
Chlordane	ND		ug/kg	13.4	5.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	83		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-10	Date Collected:	08/20/14 14:05
Client ID:	SB-37_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/22/14 05:35
Analytical Date:	08/25/14 08:05		
Analyst:	SH		
Percent Solids:	93%		
Methylation Date:	08/23/14 13:55		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	21.5	1	A
2,4,5-T	ND		ug/kg	177	11.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	9.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-11	Date Collected:	08/20/14 11:35
Client ID:	G1_SODUP01_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	08/22/14 13:42
Analytical Date:	08/24/14 04:17	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	08/23/14
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.878	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	ND		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.626	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	6.13	PI	ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.22	1	A
cis-Chlordane	ND		ug/kg	2.19	0.612	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.3	5.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	128		30-150	A

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-11	Date Collected:	08/20/14 11:35
Client ID:	G1_SODUP01_3-5	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/22/14 05:35
Analytical Date:	08/25/14 08:26		
Analyst:	SH		
Percent Solids:	89%		
Methylation Date:	08/23/14 13:55		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	22.6	1	A
2,4,5-T	ND		ug/kg	186	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-12	Date Collected:	08/20/14 14:15
Client ID:	G1_SOFB01_082014	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/23/14 10:28
Analytical Date:	08/26/14 17:59	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	08/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

SAMPLE RESULTS

Lab ID:	L1418990-12	Date Collected:	08/20/14 14:15
Client ID:	G1_SOFB01_082014	Date Received:	08/20/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/21/14 07:39
Analytical Date:	08/23/14 09:55		
Analyst:	SH		

Methylation Date: 08/22/14 11:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	90		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/22/14 20:21
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/21/14 08:14

Methylation Date: 08/22/14 11:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-08 Batch: WG715691-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.94	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	91		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/23/14 05:59
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/21/14 07:39

Methylation Date: 08/22/14 11:28

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 12 Batch: WG715692-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.488	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	93		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/25/14 00:13
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/22/14 05:35

Methylation Date: 08/23/14 13:55

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 09-11 Batch: WG716017-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	78		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/24/14 00:19
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 08/22/14 13:42
Cleanup Method: EPA 3620B
Cleanup Date: 08/23/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-11 Batch: WG716182-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.640	0.286	A
Alpha-BHC	ND		ug/kg	0.640	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.582	A
Heptachlor	ND		ug/kg	0.768	0.344	A
Aldrin	ND		ug/kg	1.54	0.541	A
Heptachlor epoxide	ND		ug/kg	2.88	0.864	A
Endrin	ND		ug/kg	0.640	0.262	A
Endrin ketone	ND		ug/kg	1.54	0.395	A
Dieldrin	ND		ug/kg	0.960	0.480	A
4,4'-DDE	ND		ug/kg	1.54	0.355	A
4,4'-DDD	ND		ug/kg	1.54	0.548	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.513	A
Endosulfan sulfate	ND		ug/kg	0.640	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.896	A
Toxaphene	ND		ug/kg	28.8	8.06	A
cis-Chlordane	ND		ug/kg	1.92	0.535	A
trans-Chlordane	ND		ug/kg	1.92	0.507	A
Chlordane	ND		ug/kg	12.5	5.09	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/14 07:11
Analyst: GP

Extraction Method: EPA 3510C
Extraction Date: 08/23/14 10:28
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 12 Batch: WG716355-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG715691-2 WG715691-3									
2,4-D	101		83		30-150	20		30	A
2,4,5-T	89		75		30-150	17		30	A
2,4,5-TP (Silvex)	87		73		30-150	18		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	86		70		30-150	A
DCAA	90		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 12 Batch: WG715692-2 WG715692-3									
2,4-D	94		111		30-150	17		25	A
2,4,5-T	82		97		30-150	17		25	A
2,4,5-TP (Silvex)	81		94		30-150	15		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	81		94		30-150	A
DCAA	88		103		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 09-11 Batch: WG716017-2 WG716017-3									
2,4-D	86		85		30-150	1		30	A
2,4,5-T	72		65		30-150	10		30	A
2,4,5-TP (Silvex)	71		64		30-150	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	68		63		30-150	A
DCAA	82		77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-11 Batch: WG716182-2 WG716182-3									
Delta-BHC	98		108		30-150	10		30	A
Lindane	84		91		30-150	8		30	A
Alpha-BHC	91		98		30-150	7		30	A
Beta-BHC	87		99		30-150	13		30	A
Heptachlor	89		96		30-150	8		30	A
Aldrin	89		93		30-150	4		30	A
Heptachlor epoxide	83		89		30-150	7		30	A
Endrin	99		106		30-150	7		30	A
Endrin ketone	81		88		30-150	8		30	A
Dieldrin	88		94		30-150	7		30	A
4,4'-DDE	91		95		30-150	4		30	A
4,4'-DDD	81		88		30-150	8		30	A
4,4'-DDT	83		90		30-150	8		30	A
Endosulfan I	90		96		30-150	6		30	A
Endosulfan II	82		88		30-150	7		30	A
Endosulfan sulfate	103		116		30-150	12		30	A
Methoxychlor	92		100		30-150	8		30	A
cis-Chlordane	85		89		30-150	5		30	A
trans-Chlordane	84		89		30-150	6		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-11 Batch: WG716182-2 WG716182-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		88		30-150	B
Decachlorobiphenyl	110		111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		94		30-150	A
Decachlorobiphenyl	103		115		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12 Batch: WG716355-2 WG716355-3									
Delta-BHC	85		113		30-150	**29**	Q	20	A
Lindane	86		110		30-150	**25**	Q	20	A
Alpha-BHC	88		112		30-150	**24**	Q	20	A
Beta-BHC	98		125		30-150	**24**	Q	20	A
Heptachlor	96		125		30-150	**27**	Q	20	A
Aldrin	93		122		30-150	**27**	Q	20	A
Heptachlor epoxide	91		119		30-150	**26**	Q	20	A
Endrin	100		132		30-150	**28**	Q	20	A
Endrin ketone	86		112		30-150	**27**	Q	20	A
Dieldrin	99		130		30-150	**27**	Q	20	A
4,4'-DDE	94		125		30-150	**28**	Q	20	A
4,4'-DDD	91		119		30-150	**27**	Q	20	A
4,4'-DDT	98		129		30-150	**27**	Q	20	A
Endosulfan I	93		120		30-150	**26**	Q	20	A
Endosulfan II	86		114		30-150	**28**	Q	20	A
Endosulfan sulfate	90		121		30-150	**29**	Q	20	A
Methoxychlor	84		108		30-150	**25**	Q	20	A
cis-Chlordane	89		118		30-150	**28**	Q	20	A
trans-Chlordane	95		124		30-150	**27**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12 Batch: WG716355-2 WG716355-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		92		30-150	A
Decachlorobiphenyl	71		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		94		30-150	B
Decachlorobiphenyl	77		91		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG715691-4 WG715691-5 QC Sample: L1418860-12 Client ID: MS Sample													
2,4-D	ND	350	310	89		314	90		30-150	1		30	A
2,4,5-T	ND	350	286	82		279	80		30-150	2		30	A
2,4,5-TP (Silvex)	ND	350	280	80		276	79		30-150	1		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	79		81		30-150	A
DCAA	88		88		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG715691-6 WG715691-7 QC Sample: L1418990-08 Client ID: SB-36_3-5													
2,4-D	ND	346	278	80		295	85		30-150	6		30	A
2,4,5-T	ND	346	250	72		261	76		30-150	4		30	A
2,4,5-TP (Silvex)	ND	346	248	72		260	75		30-150	5		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	74		78		30-150	A
DCAA	89		74		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 09-11 QC Batch ID: WG716017-4 WG716017-5 QC Sample: L1418996-03 Client ID: MS Sample													
2,4-D	ND	372	270	73		255	69		30-150	6		30	A
2,4,5-T	ND	372	246	66		232	63		30-150	6		30	A
2,4,5-TP (Silvex)	ND	372	248	67		232	63		30-150	7		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	70		71		30-150	A
DCAA	68		69		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716182-4 WG716182-5 QC Sample: L1418990-08 Client ID: SB-36_3-5													
Delta-BHC	ND	34.2	29.0	85		31.0	93		30-150	7		50	A
Lindane	ND	34.2	26.4	77		27.0	81		30-150	2		50	A
Alpha-BHC	ND	34.2	30.3	89		31.6	95		30-150	4		50	A
Beta-BHC	ND	34.2	23.1	68		23.7	71		30-150	3		50	A
Heptachlor	ND	34.2	30.4	89		32.7	98		30-150	7		50	A
Aldrin	ND	34.2	25.5	75		27.0	81		30-150	6		50	A
Heptachlor epoxide	ND	34.2	24.3	71		25.2	76		30-150	4		50	A
Endrin	ND	34.2	27.1	79		31.0	93		30-150	13		50	A
Endrin ketone	4.66	34.2	33.0	83		38.9	103		30-150	16		50	B
Dieldrin	ND	34.2	24.9	73		27.4	82		30-150	10		50	A
4,4'-DDE	0.915J	34.2	22.8	67		24.2	73		30-150	6		50	A
4,4'-DDD	ND	34.2	23.8	70		26.0	78		30-150	9		50	A
4,4'-DDT	ND	34.2	30.4	76		33.3	87		30-150	9		50	A
Endosulfan I	ND	34.2	26.1	76		27.4	82		30-150	5		50	A
Endosulfan II	ND	34.2	23.4	68		25.3	76		30-150	8		50	A
Endosulfan sulfate	ND	34.2	27.8	81		30.5	92		30-150	9		50	A
Methoxychlor	ND	34.2	26.8	78		28.8	87		30-150	7		50	A
cis-Chlordane	ND	34.2	23.4	68		24.9	75		30-150	6		50	A
trans-Chlordane	ND	34.2	23.0	67		24.4	73		30-150	6		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG716182-4 WG716182-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		73		30-150	B
Decachlorobiphenyl	84		90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		81		30-150	A
Decachlorobiphenyl	96		100		30-150	A

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-01
Client ID: SB-33_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 08/20/14 11:30
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7400		mg/kg	9.0	1.8	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Antimony, Total	4.0	J	mg/kg	4.5	0.72	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Arsenic, Total	14		mg/kg	0.90	0.18	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Barium, Total	180		mg/kg	0.90	0.27	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Beryllium, Total	2.0		mg/kg	0.45	0.09	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Cadmium, Total	0.49	J	mg/kg	0.90	0.06	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Calcium, Total	65000		mg/kg	9.0	2.7	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Chromium, Total	37		mg/kg	0.90	0.18	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Cobalt, Total	20		mg/kg	1.8	0.45	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Copper, Total	430		mg/kg	0.90	0.18	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Iron, Total	28000		mg/kg	4.5	1.8	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Lead, Total	640		mg/kg	4.5	0.18	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Magnesium, Total	35000		mg/kg	9.0	0.90	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Manganese, Total	320		mg/kg	0.90	0.18	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Mercury, Total	2.6		mg/kg	0.15	0.03	2	08/21/14 07:37	08/21/14 13:32	EPA 7471B	1,7471B	MC
Nickel, Total	67		mg/kg	2.2	0.36	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Potassium, Total	540		mg/kg	220	36.	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Selenium, Total	0.93	J	mg/kg	1.8	0.27	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Silver, Total	0.29	J	mg/kg	0.90	0.18	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Sodium, Total	440		mg/kg	180	27.	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Vanadium, Total	51		mg/kg	0.90	0.09	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG
Zinc, Total	2200		mg/kg	4.5	0.63	2	08/21/14 21:09	08/25/14 13:02	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1418990
Project Number: 170229002
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-02
Client ID: SB-33_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 08/20/14 11:35
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6600		mg/kg	8.9	1.8	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Antimony, Total	1.3	J	mg/kg	4.4	0.71	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Arsenic, Total	8.4		mg/kg	0.89	0.18	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Barium, Total	120		mg/kg	0.89	0.27	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Beryllium, Total	0.82		mg/kg	0.44	0.09	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Cadmium, Total	0.08	J	mg/kg	0.89	0.06	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Calcium, Total	14000		mg/kg	8.9	2.7	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Chromium, Total	20		mg/kg	0.89	0.18	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Cobalt, Total	9.1		mg/kg	1.8	0.44	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Copper, Total	170		mg/kg	0.89	0.18	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Iron, Total	18000		mg/kg	4.4	1.8	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Lead, Total	230		mg/kg	4.4	0.18	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Magnesium, Total	5000		mg/kg	8.9	0.89	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Manganese, Total	170		mg/kg	0.89	0.18	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Mercury, Total	0.22		mg/kg	0.07	0.02	1	08/21/14 07:37	08/21/14 13:14	EPA 7471B	1,7471B	MC
Nickel, Total	26		mg/kg	2.2	0.36	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Potassium, Total	710		mg/kg	220	36.	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Selenium, Total	0.38	J	mg/kg	1.8	0.27	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.89	0.18	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Sodium, Total	280		mg/kg	180	27.	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.89	0.09	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG
Zinc, Total	880		mg/kg	4.4	0.62	2	08/21/14 21:09	08/25/14 13:06	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1418990
Project Number: 170229002
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-03
Client ID: SB-34_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 94%

Date Collected: 08/20/14 10:00
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5900		mg/kg	8.1	1.6	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Antimony, Total	1.1	J	mg/kg	4.0	0.65	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Arsenic, Total	6.2		mg/kg	0.81	0.16	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Barium, Total	330		mg/kg	0.81	0.24	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Beryllium, Total	1.3		mg/kg	0.40	0.08	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Cadmium, Total	0.22	J	mg/kg	0.81	0.06	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Calcium, Total	120000		mg/kg	810	240	200	08/21/14 21:09	08/25/14 14:14	EPA 3050B	1,6010C	MG
Chromium, Total	22		mg/kg	0.81	0.16	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Cobalt, Total	16		mg/kg	1.6	0.40	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Copper, Total	230		mg/kg	0.81	0.16	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Iron, Total	17000		mg/kg	4.0	1.6	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Lead, Total	600		mg/kg	4.0	0.16	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Magnesium, Total	10000		mg/kg	8.1	0.81	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Manganese, Total	280		mg/kg	0.81	0.16	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Mercury, Total	0.53		mg/kg	0.07	0.01	1	08/21/14 07:37	08/21/14 13:16	EPA 7471B	1,7471B	MC
Nickel, Total	33		mg/kg	2.0	0.32	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Potassium, Total	1400		mg/kg	200	32.	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.6	0.24	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.81	0.16	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Sodium, Total	580		mg/kg	160	24.	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.6	0.32	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Vanadium, Total	21		mg/kg	0.81	0.08	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	4.0	0.57	2	08/21/14 21:09	08/25/14 13:10	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-04
Client ID: SB-34_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 08/20/14 10:05
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8000		mg/kg	8.4	1.7	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Antimony, Total	1.3	J	mg/kg	4.2	0.67	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Arsenic, Total	3.6		mg/kg	0.84	0.17	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Barium, Total	140		mg/kg	0.84	0.25	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Beryllium, Total	0.26	J	mg/kg	0.42	0.08	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Cadmium, Total	0.08	J	mg/kg	0.84	0.06	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Calcium, Total	10000		mg/kg	8.4	2.5	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Chromium, Total	21		mg/kg	0.84	0.17	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Cobalt, Total	8.0		mg/kg	1.7	0.42	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Copper, Total	40		mg/kg	0.84	0.17	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Iron, Total	18000		mg/kg	4.2	1.7	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Lead, Total	150		mg/kg	4.2	0.17	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Magnesium, Total	3600		mg/kg	8.4	0.84	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Manganese, Total	360		mg/kg	0.84	0.17	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Mercury, Total	0.24		mg/kg	0.07	0.02	1	08/21/14 07:37	08/21/14 13:18	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.1	0.34	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Potassium, Total	2500		mg/kg	210	34.	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.25	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Sodium, Total	170		mg/kg	170	25.	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Vanadium, Total	29		mg/kg	0.84	0.08	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG
Zinc, Total	140		mg/kg	4.2	0.59	2	08/21/14 21:09	08/25/14 13:59	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-05
Client ID: SB-35_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 08/20/14 09:41
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	8.3	1.7	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Antimony, Total	0.97	J	mg/kg	4.2	0.67	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Arsenic, Total	9.1		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Barium, Total	130		mg/kg	0.83	0.25	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Beryllium, Total	0.25	J	mg/kg	0.42	0.08	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Cadmium, Total	0.20	J	mg/kg	0.83	0.06	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Calcium, Total	38000		mg/kg	8.3	2.5	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Chromium, Total	9.4		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Cobalt, Total	4.0		mg/kg	1.7	0.42	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Copper, Total	56		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Iron, Total	8900		mg/kg	4.2	1.7	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Lead, Total	440		mg/kg	4.2	0.17	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Magnesium, Total	6400		mg/kg	8.3	0.83	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Manganese, Total	140		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Mercury, Total	0.06	J	mg/kg	0.07	0.02	1	08/21/14 07:37	08/21/14 13:22	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.33	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Potassium, Total	590		mg/kg	210	33.	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.25	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Sodium, Total	250		mg/kg	170	25.	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.33	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.83	0.08	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT
Zinc, Total	210		mg/kg	4.2	0.58	2	08/21/14 22:01	08/22/14 15:48	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-06
Client ID: SB-35_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 08/20/14 09:43
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	9.1	1.8	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.73	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Arsenic, Total	9.2		mg/kg	0.91	0.18	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Barium, Total	400		mg/kg	0.91	0.27	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Beryllium, Total	0.19	J	mg/kg	0.45	0.09	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Cadmium, Total	3.2		mg/kg	0.91	0.06	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Calcium, Total	75000		mg/kg	9.1	2.7	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Chromium, Total	9.7		mg/kg	0.91	0.18	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Cobalt, Total	3.6		mg/kg	1.8	0.45	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Copper, Total	15		mg/kg	0.91	0.18	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Iron, Total	16000		mg/kg	4.5	1.8	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Lead, Total	3400		mg/kg	4.5	0.18	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Magnesium, Total	5600		mg/kg	9.1	0.91	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Manganese, Total	160		mg/kg	0.91	0.18	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Mercury, Total	5.5		mg/kg	0.39	0.08	5	08/21/14 07:37	08/21/14 14:51	EPA 7471B	1,7471B	MC
Nickel, Total	9.3		mg/kg	2.3	0.36	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Potassium, Total	860		mg/kg	230	36.	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.27	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.91	0.18	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Sodium, Total	470		mg/kg	180	27.	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Vanadium, Total	14		mg/kg	0.91	0.09	2	08/21/14 22:01	08/22/14 15:51	EPA 3050B	1,6010C	TT
Zinc, Total	3300		mg/kg	45	6.4	20	08/21/14 22:01	08/22/14 17:17	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-07
Client ID: SB-36_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 96%

Date Collected: 08/20/14 09:45
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2700		mg/kg	8.2	1.6	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.1	0.66	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.82	0.16	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Barium, Total	78		mg/kg	0.82	0.24	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Beryllium, Total	0.24	J	mg/kg	0.41	0.08	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Cadmium, Total	0.18	J	mg/kg	0.82	0.06	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Calcium, Total	160000		mg/kg	410	120	100	08/21/14 22:01	08/22/14 17:20	EPA 3050B	1,6010C	TT
Chromium, Total	7.2		mg/kg	0.82	0.16	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Cobalt, Total	5.7		mg/kg	1.6	0.41	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Copper, Total	120		mg/kg	0.82	0.16	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Iron, Total	9800		mg/kg	4.1	1.6	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Lead, Total	180		mg/kg	4.1	0.16	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Magnesium, Total	74000		mg/kg	410	41.	100	08/21/14 22:01	08/22/14 17:20	EPA 3050B	1,6010C	TT
Manganese, Total	200		mg/kg	0.82	0.16	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Mercury, Total	0.22		mg/kg	0.07	0.02	1	08/21/14 07:37	08/21/14 13:39	EPA 7471B	1,7471B	MC
Nickel, Total	10		mg/kg	2.0	0.33	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Potassium, Total	440		mg/kg	200	33.	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.6	0.24	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.82	0.16	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Sodium, Total	140	J	mg/kg	160	24.	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.33	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Vanadium, Total	13		mg/kg	0.82	0.08	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT
Zinc, Total	260		mg/kg	4.1	0.57	2	08/21/14 22:01	08/22/14 15:55	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-08
Client ID: SB-36_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 95%

Date Collected: 08/20/14 09:48
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4200		mg/kg	8.3	1.7	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Antimony, Total	0.92	J	mg/kg	4.2	0.67	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Arsenic, Total	9.7		mg/kg	0.83	0.17	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Barium, Total	240		mg/kg	0.83	0.25	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Beryllium, Total	0.21	J	mg/kg	0.42	0.08	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Cadmium, Total	0.26	J	mg/kg	0.83	0.06	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Calcium, Total	90000		mg/kg	830	250	200	08/21/14 21:09	08/25/14 11:59	EPA 3050B	1,6010C	MG
Chromium, Total	10		mg/kg	0.83	0.17	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Cobalt, Total	2.7		mg/kg	1.7	0.42	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Copper, Total	46		mg/kg	0.83	0.17	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Iron, Total	12000		mg/kg	4.2	1.7	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Lead, Total	330		mg/kg	4.2	0.17	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Magnesium, Total	2600		mg/kg	8.3	0.83	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Manganese, Total	160		mg/kg	0.83	0.17	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Mercury, Total	0.27		mg/kg	0.07	0.01	1	08/21/14 07:37	08/21/14 13:41	EPA 7471B	1,7471B	MC
Nickel, Total	8.2		mg/kg	2.1	0.33	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Potassium, Total	600		mg/kg	210	33.	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Selenium, Total	1.0	J	mg/kg	1.7	0.25	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.83	0.17	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Sodium, Total	330		mg/kg	170	25.	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.33	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Vanadium, Total	15		mg/kg	0.83	0.08	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG
Zinc, Total	260		mg/kg	4.2	0.58	2	08/21/14 21:09	08/25/14 12:17	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1418990
Project Number: 170229002
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-09
Client ID: SB-37_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 95%

Date Collected: 08/20/14 14:00
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3500		mg/kg	8.3	1.7	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Barium, Total	59		mg/kg	0.83	0.25	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Beryllium, Total	0.18	J	mg/kg	0.42	0.08	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Cadmium, Total	0.22	J	mg/kg	0.83	0.06	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Calcium, Total	82000		mg/kg	8.3	2.5	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Chromium, Total	8.3		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Cobalt, Total	5.4		mg/kg	1.7	0.42	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Copper, Total	55		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Iron, Total	11000		mg/kg	4.2	1.7	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Lead, Total	120		mg/kg	4.2	0.17	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Magnesium, Total	45000		mg/kg	8.3	0.83	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Manganese, Total	260		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Mercury, Total	0.36		mg/kg	0.07	0.02	1	08/21/14 07:37	08/21/14 13:52	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.1	0.33	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Potassium, Total	570		mg/kg	210	33.	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.25	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Sodium, Total	210		mg/kg	170	25.	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.33	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Vanadium, Total	12		mg/kg	0.83	0.08	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT
Zinc, Total	120		mg/kg	4.2	0.58	2	08/21/14 22:01	08/22/14 15:59	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-10
Client ID: SB-37_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 93%

Date Collected: 08/20/14 14:05
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5400		mg/kg	8.3	1.7	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Antimony, Total	0.98	J	mg/kg	4.2	0.66	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Barium, Total	56		mg/kg	0.83	0.25	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Beryllium, Total	0.32	J	mg/kg	0.42	0.08	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.83	0.06	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Calcium, Total	6100		mg/kg	8.3	2.5	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Cobalt, Total	6.5		mg/kg	1.7	0.42	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Copper, Total	47		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.2	1.7	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Lead, Total	120		mg/kg	4.2	0.17	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Magnesium, Total	2700		mg/kg	8.3	0.83	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Manganese, Total	200		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Mercury, Total	0.11		mg/kg	0.07	0.02	1	08/21/14 07:37	08/21/14 13:54	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.1	0.33	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Potassium, Total	910		mg/kg	210	33.	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Selenium, Total	0.31	J	mg/kg	1.7	0.25	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.83	0.17	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Sodium, Total	93	J	mg/kg	170	25.	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.33	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.83	0.08	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT
Zinc, Total	78		mg/kg	4.2	0.58	2	08/21/14 22:01	08/22/14 16:03	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-11
Client ID: G1_SODUP01_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 08/20/14 11:35
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4300		mg/kg	8.9	1.8	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Antimony, Total	1.2	J	mg/kg	4.4	0.71	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.89	0.18	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Barium, Total	62		mg/kg	0.89	0.26	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Beryllium, Total	0.98		mg/kg	0.44	0.09	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Cadmium, Total	0.21	J	mg/kg	0.89	0.06	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Calcium, Total	100000		mg/kg	440	130	100	08/21/14 22:01	08/22/14 17:24	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.89	0.18	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Cobalt, Total	9.0		mg/kg	1.8	0.44	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Copper, Total	230		mg/kg	0.89	0.18	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	4.4	1.8	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Lead, Total	250		mg/kg	4.4	0.18	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Magnesium, Total	57000		mg/kg	440	44.	100	08/21/14 22:01	08/22/14 17:24	EPA 3050B	1,6010C	TT
Manganese, Total	190		mg/kg	0.89	0.18	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Mercury, Total	0.17		mg/kg	0.07	0.02	1	08/21/14 07:37	08/21/14 13:56	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	2.2	0.35	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Potassium, Total	350		mg/kg	220	35.	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.26	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.89	0.18	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	180	26.	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.89	0.09	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT
Zinc, Total	1000		mg/kg	4.4	0.62	2	08/21/14 22:01	08/22/14 16:27	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-12
Client ID: G1_SOFB01_082014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/20/14 14:15
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.10	0.02	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Antimony, Total	ND		mg/l	0.0500	0.0080	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Arsenic, Total	ND		mg/l	0.005	0.002	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Barium, Total	ND		mg/l	0.010	0.003	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Beryllium, Total	ND		mg/l	0.005	0.001	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Cadmium, Total	ND		mg/l	0.005	0.001	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Calcium, Total	ND		mg/l	0.10	0.03	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Chromium, Total	ND		mg/l	0.01	0.002	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Cobalt, Total	ND		mg/l	0.020	0.005	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Copper, Total	ND		mg/l	0.0100	0.0020	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Iron, Total	ND		mg/l	0.050	0.020	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Lead, Total	ND		mg/l	0.0100	0.0020	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Magnesium, Total	ND		mg/l	0.10	0.010	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Manganese, Total	ND		mg/l	0.0100	0.0020	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/25/14 14:58	08/26/14 10:46	EPA 7470A	1,7470A	AK
Nickel, Total	ND		mg/l	0.0250	0.0040	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Potassium, Total	ND		mg/l	2.5	0.40	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Selenium, Total	ND		mg/l	0.0100	0.0030	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Silver, Total	ND		mg/l	0.007	0.002	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Sodium, Total	ND		mg/l	2.0	0.30	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Thallium, Total	ND		mg/l	0.0200	0.0040	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Vanadium, Total	ND		mg/l	0.0100	0.0010	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH
Zinc, Total	ND		mg/l	0.0500	0.0070	1	08/21/14 12:06	08/22/14 16:36	EPA 3005A	1,6010C	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-11 Batch: WG715672-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/21/14 07:37	08/21/14 12:55	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 12 Batch: WG715780-1										
Aluminum, Total	ND		mg/l	0.10	0.02	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Antimony, Total	ND		mg/l	0.0500	0.0080	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Arsenic, Total	ND		mg/l	0.005	0.002	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Barium, Total	ND		mg/l	0.010	0.003	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Beryllium, Total	ND		mg/l	0.005	0.001	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Cadmium, Total	ND		mg/l	0.005	0.001	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Calcium, Total	ND		mg/l	0.10	0.03	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Chromium, Total	ND		mg/l	0.01	0.002	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Cobalt, Total	ND		mg/l	0.020	0.005	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Copper, Total	ND		mg/l	0.0100	0.0020	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Iron, Total	ND		mg/l	0.050	0.020	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Lead, Total	ND		mg/l	0.0100	0.0020	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Magnesium, Total	ND		mg/l	0.10	0.010	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Manganese, Total	ND		mg/l	0.0100	0.0020	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Nickel, Total	ND		mg/l	0.0250	0.0040	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Potassium, Total	ND		mg/l	2.5	0.40	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Selenium, Total	ND		mg/l	0.0100	0.0030	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Silver, Total	ND		mg/l	0.007	0.002	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Sodium, Total	ND		mg/l	2.0	0.30	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Thallium, Total	ND		mg/l	0.0200	0.0040	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Vanadium, Total	ND		mg/l	0.0100	0.0010	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH
Zinc, Total	ND		mg/l	0.0500	0.0070	1	08/21/14 12:06	08/22/14 16:16	1,6010C	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04,08 Batch: WG715937-1										
Aluminum, Total	2.1	J	mg/kg	4.0	0.80	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Iron, Total	1.6	J	mg/kg	2.0	0.80	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Sodium, Total	16	J	mg/kg	80	12.	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/21/14 21:09	08/25/14 11:47	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05-07,09-11 Batch: WG715957-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/21/14 22:01	08/22/14 14:52	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 12 Batch: WG716637-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/25/14 14:58	08/26/14 10:43	1,7470A	AK

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 Batch: WG715672-2 SRM Lot Number: D083-540								
Mercury, Total	90		-		75-126	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 12 Batch: WG715780-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	83	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	98	-	80-120	-	
Beryllium, Total	99	-	80-120	-	
Cadmium, Total	105	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	103	-	80-120	-	
Magnesium, Total	110	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	99	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	100	-	80-120	-	
Thallium, Total	102	-	80-120	-	
Vanadium, Total	103	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 12 Batch: WG715780-2					
Zinc, Total	102	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,08 Batch: WG715937-2 SRM Lot Number: D083-540					
Aluminum, Total	78	-	51-148	-	
Antimony, Total	129	-	1-210	-	
Arsenic, Total	98	-	78-122	-	
Barium, Total	96	-	82-117	-	
Beryllium, Total	96	-	82-118	-	
Cadmium, Total	95	-	82-118	-	
Calcium, Total	93	-	82-118	-	
Chromium, Total	96	-	79-121	-	
Cobalt, Total	94	-	83-117	-	
Copper, Total	95	-	80-120	-	
Iron, Total	93	-	47-153	-	
Lead, Total	90	-	81-119	-	
Magnesium, Total	86	-	75-124	-	
Manganese, Total	90	-	81-119	-	
Nickel, Total	92	-	82-118	-	
Potassium, Total	92	-	70-130	-	
Selenium, Total	102	-	78-123	-	
Silver, Total	94	-	74-125	-	
Sodium, Total	114	-	70-130	-	
Thallium, Total	95	-	78-122	-	
Vanadium, Total	95	-	65-135	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,08 Batch: WG715937-2 SRM Lot Number: D083-540					
Zinc, Total	92	-	80-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-07,09-11 Batch: WG715957-2 SRM Lot Number: D083-540					
Aluminum, Total	73	-	51-148	-	
Antimony, Total	155	-	1-210	-	
Arsenic, Total	106	-	78-122	-	
Barium, Total	90	-	82-117	-	
Beryllium, Total	98	-	82-118	-	
Cadmium, Total	96	-	82-118	-	
Calcium, Total	91	-	82-118	-	
Chromium, Total	95	-	79-121	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	100	-	80-120	-	
Iron, Total	93	-	47-153	-	
Lead, Total	98	-	81-119	-	
Magnesium, Total	89	-	75-124	-	
Manganese, Total	92	-	81-119	-	
Nickel, Total	96	-	82-118	-	
Potassium, Total	88	-	70-130	-	
Selenium, Total	102	-	78-123	-	
Silver, Total	96	-	74-125	-	
Sodium, Total	93	-	70-130	-	
Thallium, Total	103	-	78-122	-	
Vanadium, Total	94	-	65-135	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-07,09-11 Batch: WG715957-2 SRM Lot Number: D083-540					
Zinc, Total	97	-	80-121	-	
Total Metals - Westborough Lab Associated sample(s): 12 Batch: WG716637-2					
Mercury, Total	89	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG715672-3 WG715672-4 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Mercury, Total	0.27	0.146	0.38	**75**	Q	0.38	83		80-120	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG715780-4 QC Sample: L1418914-01 Client ID: MS Sample									
Aluminum, Total	ND	2	2.1	105	-	-	75-125	-	20
Antimony, Total	0.029J	0.5	0.443	89	-	-	75-125	-	20
Arsenic, Total	0.003J	0.12	0.126	105	-	-	75-125	-	20
Barium, Total	0.015	2	1.99	99	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.051	102	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.054	106	-	-	75-125	-	20
Calcium, Total	11.	10	20	90	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.20	100	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.502	100	-	-	75-125	-	20
Copper, Total	ND	0.25	0.254	102	-	-	75-125	-	20
Iron, Total	0.026J	1	1.0	100	-	-	75-125	-	20
Lead, Total	0.002J	0.51	0.516	101	-	-	75-125	-	20
Magnesium, Total	2.0	10	12	100	-	-	75-125	-	20
Manganese, Total	0.008J	0.5	0.507	101	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.491	98	-	-	75-125	-	20
Potassium, Total	2.9	10	14	111	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.128	107	-	-	75-125	-	20
Silver, Total	ND	0.05	0.050	100	-	-	75-125	-	20
Sodium, Total	50.	10	61	110	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.113	94	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.520	104	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG715780-4 QC Sample: L1418914-01 Client ID: MS Sample									
Zinc, Total	0.009J	0.5	0.525	105	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Total Metals - Westborough Lab Associated sample(s): 01-04,08 QC Batch ID: WG715937-3 WG715937-4 QC Sample: L1418990-08 Client ID: SB-36_3-5

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Aluminum, Total	4200	159	4800	**376**	Q	4400	125		75-125	9		20
Antimony, Total	0.92J	39.8	37	93		37	92		75-125	0		20
Arsenic, Total	9.7	9.56	19	97		21	118		75-125	10		20
Barium, Total	240	159	340	**63**	Q	500	**162**	Q	75-125	**38**	Q	20
Beryllium, Total	0.21J	3.98	4.1	103		4.3	107		75-125	5		20
Cadmium, Total	0.26J	4.06	4.2	103		4.2	103		75-125	0		20
Calcium, Total	90000	797	150000	**7020**	Q	86000	**0**	Q	75-125	**54**	Q	20
Chromium, Total	10.	15.9	27	107		28	112		75-125	4		20
Cobalt, Total	2.7	39.8	40	94		41	96		75-125	2		20
Copper, Total	46.	19.9	66	100		84	**190**	Q	75-125	**24**	Q	20
Iron, Total	12000	79.7	14000	**2510**	Q	17000	**6250**	Q	75-125	19		20
Lead, Total	330	40.6	260	**0**	Q	390	**147**	Q	75-125	**40**	Q	20
Magnesium, Total	2600	797	3800	**150**	Q	3700	**137**	Q	75-125	3		20
Manganese, Total	160	39.8	190	75		350	**475**	Q	75-125	**59**	Q	20
Nickel, Total	8.2	39.8	44	90		46	94		75-125	4		20
Potassium, Total	600	797	1500	113		1500	112		75-125	0		20
Selenium, Total	1.0J	9.56	11	115		10	104		75-125	10		20
Silver, Total	ND	23.9	26	109		26	108		75-125	0		20
Sodium, Total	330	797	1400	**134**	Q	1300	121		75-125	7		20
Thallium, Total	ND	9.56	7.5	78		7.5	78		75-125	0		20
Vanadium, Total	15.	39.8	54	98		57	105		75-125	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,08 QC Batch ID: WG715937-3 WG715937-4 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Zinc, Total	260	39.8	240	**0**	Q	360	**250**	Q	75-125	**40**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-07,09-11 QC Batch ID: WG715957-3 WG715957-4 QC Sample: L1418996-03 Client ID: MS Sample												
Aluminum, Total	5400	176	5700	**170**	Q	5200	**0**	Q	75-125	9		20
Antimony, Total	8.8	44	54	102		49	92		75-125	10		20
Arsenic, Total	17.	10.6	27	94		23	**57**	Q	75-125	16		20
Barium, Total	190	176	420	**130**	Q	400	121		75-125	5		20
Beryllium, Total	0.24J	4.4	4.4	100		4.3	99		75-125	2		20
Cadmium, Total	0.94	4.49	5.8	108		5.2	96		75-125	11		20
Calcium, Total	42000	881	36000	**0**	Q	40000	**0**	Q	75-125	11		20
Chromium, Total	16.	17.6	41	**142**	Q	37	121		75-125	10		20
Cobalt, Total	5.5	44	50	101		46	93		75-125	8		20
Copper, Total	810	22	940	**590**	Q	710	**0**	Q	75-125	**28**	Q	20
Iron, Total	22000	88.1	21000	**0**	Q	14000	**0**	Q	75-125	**40**	Q	20
Lead, Total	1900	44.9	3400	**3340**	Q	2600	**1580**	Q	75-125	**27**	Q	20
Magnesium, Total	2100	881	2800	79		2700	**69**	Q	75-125	4		20
Manganese, Total	160	44	240	**182**	Q	190	**69**	Q	75-125	**23**	Q	20
Nickel, Total	13.	44	55	95		51	87		75-125	8		20
Potassium, Total	1600	881	2300	79		2100	**57**	Q	75-125	9		20
Selenium, Total	0.97J	10.6	11	104		11	105		75-125	0		20
Silver, Total	0.50J	26.4	28	106		27	103		75-125	4		20
Sodium, Total	1200	881	2000	91		1900	80		75-125	5		20
Thallium, Total	ND	10.6	10	94		10	96		75-125	0		20
Vanadium, Total	13.	44	56	98		52	90		75-125	7		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 05-07,09-11 QC Batch ID: WG715957-3 WG715957-4 QC Sample: L1418996-03 Client ID: MS Sample												
Zinc, Total	370	44	520	**340**	Q	370	**0**	Q	75-125	**34**	Q	20
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG716637-4 QC Sample: L1418990-12 Client ID: G1_SOFB01_082014												
Mercury, Total	ND	0.005	0.00424	85		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG715780-3 QC Sample: L1418914-01 Client ID: DUP Sample						
Iron, Total	0.026J	0.021J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG716637-3 QC Sample: L1418990-12 Client ID: G1_SOFB01_082014						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-01
Client ID: SB-33_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 11:30
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	37		mg/kg	0.91	0.91	1	-	08/26/14 09:04	107,-	JO
Solids, Total	87.8		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/21/14 13:14	08/22/14 16:09	1,9010C/9012B	JO
Chromium, Hexavalent	0.24	J	mg/kg	0.91	0.18	1	08/24/14 16:15	08/25/14 15:42	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-02
Client ID: SB-33_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 11:35
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	20		mg/kg	0.89	0.89	1	-	08/26/14 09:04	107,-	JO
Solids, Total	89.9		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/21/14 13:14	08/22/14 16:10	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.89	0.18	1	08/24/14 16:15	08/25/14 15:43	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-03
Client ID: SB-34_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 10:00
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	22		mg/kg	0.85	0.85	1	-	08/26/14 09:04	107,-	JO
Solids, Total	94.4		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	0.39	J	mg/kg	1.0	0.24	1	08/21/14 13:14	08/22/14 16:10	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.85	0.17	1	08/24/14 16:15	08/25/14 15:44	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-04
Client ID: SB-34_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 10:05
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	21		mg/kg	0.88	0.88	1	-	08/26/14 09:04	107,-	JO
Solids, Total	91.2		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/21/14 13:14	08/22/14 16:11	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.88	0.18	1	08/24/14 16:15	08/25/14 15:44	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-05
Client ID: SB-35_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 09:41
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	9.4		mg/kg	0.87	0.87	1	-	08/26/14 09:04	107,-	JO
Solids, Total	92.2		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	0.34	J	mg/kg	1.0	0.24	1	08/21/14 13:14	08/22/14 16:12	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	08/24/14 16:15	08/25/14 15:45	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-06
Client ID: SB-35_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 09:43
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	9.7		mg/kg	0.94	0.94	1	-	08/26/14 09:04	107,-	JO
Solids, Total	84.6		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	0.70	J	mg/kg	1.1	0.27	1	08/21/14 13:14	08/22/14 16:13	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	08/24/14 16:15	08/25/14 15:45	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-07
Client ID: SB-36_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 09:45
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	7.2		mg/kg	0.83	0.83	1	-	08/26/14 09:04	107,-	JO
Solids, Total	96.3		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/21/14 13:14	08/22/14 16:28	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.83	0.17	1	08/24/14 16:15	08/25/14 15:45	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-08
Client ID: SB-36_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 09:48
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.84	0.84	1	-	08/26/14 09:04	107,-	JO
Solids, Total	95.4		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	0.32	J	mg/kg	1.0	0.24	1	08/21/14 13:14	08/22/14 16:29	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.84	0.17	1	08/24/14 16:15	08/25/14 15:46	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-09
Client ID: SB-37_0-2
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 14:00
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	8.3		mg/kg	0.84	0.84	1	-	08/26/14 09:04	107,-	JO
Solids, Total	94.9		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	ND		mg/kg	0.97	0.23	1	08/21/14 13:14	08/22/14 16:31	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.84	0.17	1	08/24/14 16:15	08/25/14 15:46	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-10
Client ID: SB-37_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 14:05
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.86	0.86	1	-	08/26/14 09:04	107,-	JO
Solids, Total	92.7		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/21/14 13:14	08/22/14 16:32	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	08/24/14 16:15	08/25/14 15:47	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-11
Client ID: G1_SODUP01_3-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 08/20/14 11:35
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	16		mg/kg	0.90	0.90	1	-	08/26/14 09:04	107,-	JO
Solids, Total	89.0		%	0.100	NA	1	-	08/21/14 01:51	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.25	1	08/21/14 16:15	08/22/14 15:21	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.90	0.18	1	08/24/14 16:15	08/25/14 15:56	1,7196A	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

SAMPLE RESULTS

Lab ID: L1418990-12
Client ID: G1_SOFB01_082014
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/20/14 14:15
Date Received: 08/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	08/26/14 09:07	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/21/14 19:00	08/22/14 15:52	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/21/14 02:20	08/21/14 02:37	1,7196A	MR

Project Name: GREENPOINT LANDING **Lab Number:** L1418990

Project Number: 170229002 **Report Date:** 08/28/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 12 Batch: WG715660-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/21/14 02:20	08/21/14 02:36	1,7196A	MR
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG715773-1										
Cyanide, Total	ND		mg/kg	0.98	0.23	1	08/21/14 13:14	08/22/14 16:06	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 11 Batch: WG715779-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	08/21/14 16:15	08/22/14 15:15	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 12 Batch: WG715903-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/21/14 19:00	08/22/14 15:37	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG716451-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	08/24/14 16:15	08/25/14 15:38	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 11 Batch: WG716452-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	08/24/14 16:15	08/25/14 15:55	1,7196A	JT

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 12 Batch: WG715660-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG715773-2 WG715773-3								
Cyanide, Total	**127**	Q	119		80-120	6		35
General Chemistry - Westborough Lab Associated sample(s): 11 Batch: WG715779-2 WG715779-3								
Cyanide, Total	**127**	Q	**72**	Q	80-120	**56**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 12 Batch: WG715903-2 WG715903-3								
Cyanide, Total	102		102		80-120	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG716451-2								
Chromium, Hexavalent	104		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11 Batch: WG716452-2								
Chromium, Hexavalent	104		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG715660-4 QC Sample: L1418990-12 Client ID: G1_SOFB01_082014												
Chromium, Hexavalent	ND	0.1	0.104	104		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG715773-4 WG715773-5 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Cyanide, Total	0.32J	10	9.9	95		9.8	94		65-135	1		35
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG715779-4 WG715779-5 QC Sample: L1418996-03 Client ID: MS Sample												
Cyanide, Total	0.61J	11	10	84		11	100		65-135	10		35
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG715903-4 WG715903-5 QC Sample: L1418986-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.185	92		0.194	97		80-120	5		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG716451-5 WG716451-6 QC Sample: L1418990-08 Client ID: SB-36_3-5												
Chromium, Hexavalent	ND	1140	1000	88		1000	89		75-125	0		20
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG716452-5 WG716452-6 QC Sample: L1418996-03 Client ID: MS Sample												
Chromium, Hexavalent	ND	1420	1200	85		1200	82		75-125	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG715653-1 QC Sample: L1418990-01 Client ID: SB-33_0-2						
Solids, Total	87.8	85.4	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG715660-3 QC Sample: L1418990-12 Client ID: G1_SOFB01_082014						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG716451-4 QC Sample: L1418990-08 Client ID: SB-36_3-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG716452-4 QC Sample: L1418996-03 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08/20/2014 23:55

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-01A	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-01B	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-01C	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-01D	Plastic 2oz unpreserved for TS	C	N/A	2.9	Y	Absent	TS(7)
L1418990-01E	Amber 250ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-01F	Amber 500ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-01X	Vial MeOH preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-01Y	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-01Z	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-02A	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-02B	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-02C	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-02D	Plastic 2oz unpreserved for TS	B	N/A	3.4	Y	Absent	TS(7)
L1418990-02E	Amber 250ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-02F	Amber 500ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-02X	Vial MeOH preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-02Y	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-02Z	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-03A	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-03B	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-03C	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-03D	Plastic 2oz unpreserved for TS	B	N/A	3.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-03E	Amber 250ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-03F	Amber 500ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-03X	Vial MeOH preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-03Y	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-03Z	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-04A	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-04B	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-04C	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-04D	Plastic 2oz unpreserved for TS	C	N/A	2.9	Y	Absent	TS(7)
L1418990-04E	Amber 250ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-04F	Amber 500ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-04X	Vial MeOH preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-04Y	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-04Z	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-05A	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-05B	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-05C	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-05D	Plastic 2oz unpreserved for TS	C	N/A	2.9	Y	Absent	TS(7)
L1418990-05E	Amber 250ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-05F	Amber 500ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-05X	Vial MeOH preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-05Y	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

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Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-05Z	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-06A	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-06B	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-06C	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-06D	Plastic 2oz unpreserved for TS	C	N/A	2.9	Y	Absent	TS(7)
L1418990-06E	Amber 250ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-06F	Amber 500ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-06X	Vial MeOH preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-06Y	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-06Z	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-07A	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-07B	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-07C	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-07D	Plastic 2oz unpreserved for TS	C	N/A	2.9	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-07E	Amber 250ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-07F	Amber 500ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-07X	Vial MeOH preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-07Y	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-07Z	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-08A	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-08A1	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-08A2	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-08B	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-08B1	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-08B2	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-08C	5 gram Encore Sampler	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1418990-08C1	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-08C2	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-08D	Plastic 2oz unpreserved for TS	C	N/A	2.9	Y	Absent	TS(7)
L1418990-08D1	Plastic 2oz unpreserved for TS	B	N/A	3.4	Y	Absent	TS(7)
L1418990-08D2	Plastic 2oz unpreserved for TS	B	N/A	3.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

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Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-08E	Amber 250ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-08E1	Amber 250ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-08E2	Amber 250ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-08F	Amber 500ml unpreserved	C	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

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Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-08F1	Amber 500ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-08F2	Amber 500ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-08X	Vial MeOH preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-08X1	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-08Y	Vial Water preserved split	C	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1418990-08Z	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-09A	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-09B	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-09C	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-09D	Plastic 2oz unpreserved for TS	B	N/A	3.4	Y	Absent	TS(7)
L1418990-09E	Amber 250ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-09F	Amber 500ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-09X	Vial MeOH preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-09Y	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-09Z	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-10A	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-10B	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-10C	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-10D	Plastic 2oz unpreserved for TS	B	N/A	3.4	Y	Absent	TS(7)
L1418990-10E	Amber 250ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-10F	Amber 500ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-10X	Vial MeOH preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-10Y	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-10Z	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-11A	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-11B	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-11C	5 gram Encore Sampler	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(2)
L1418990-11D	Plastic 2oz unpreserved for TS	B	N/A	3.4	Y	Absent	TS(7)
L1418990-11E	Amber 250ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-11F	Amber 500ml unpreserved	B	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1418990-11X	Vial MeOH preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-11Y	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-11Z	Vial Water preserved split	B	N/A	3.4	Y	Absent	NYTCL-8260HLW(14)
L1418990-12A	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1418990-12B	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1418990-12C	Vial HCl preserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1418990-12D	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	TCN-9010(14)
L1418990-12E	Plastic 500ml unpreserved	A	7	2.2	Y	Absent	HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1418990
Report Date: 08/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1418990-12F	Plastic 500ml HNO3 preserved	A	<2	2.2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1418990-12G	Amber 500ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8081(7)
L1418990-12H	Amber 500ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8081(7)
L1418990-12I	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7)
L1418990-12J	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8270(7)
L1418990-12K	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	HERB-APA(7)
L1418990-12L	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	HERB-APA(7)
L1418990-12M	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)
L1418990-12N	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1418990
Project Number:	170229002	**Report Date:**	08/28/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1418990
Project Number:	170229002	**Report Date:**	08/28/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1418990
Project Number: 170229002 **Report Date:** 08/28/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:08281418:11

CHAIN OF CUSTODY

PAGE 1 OF 2 (SOIL)

Date Rec'd in Lab: 8/20/14

ALPHA Job #: L1418990

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN, D.P.C.

Address:

Phone:

Fax:

Email: guyka@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING

Project Location: BROOKLYN, NY

Project #: 170229002

Project Manager: MIMI RAYGORODETSKY

ALPHA Quote #: 2041687

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 8/27/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	PART 375 / CP-51 UNRESTRICTED USE SCO's

Other Project Specific Requirements/Comments/Detection Limits:

1) PROVIDE EDD's
2) PROVIDE ASP CATEGORY B DELIVERABLES

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (TCL/TAL)	SVOCs (TCL/TAL)	PCBs (TCL/TAL)	PESTS (TCL/TAL)	HERBS (TCL/TAL)	METALS (TCL/TAL)	CYANIDE	TANGENT CHROM.	HEX. CHROM.	Sample Specific Comments	TOTAL # BOTTLES
1899011	SB-33_0-2	8/20/14	11:30	SOIL	SM	X	→	→	→	→	→	→	X		(1) LG. AMBER (3) JAROME (1) 8oz. AMBER (1) PLASTIC	
12	SB-33_3-5		11:35			X	→	→	→	→	→	→	X			
13	SB-34_0-2		10:00			X	→	→	→	→	→	→	X			
14	SB-34_3-5		10:05			X	→	→	→	→	→	→	X			
15	SB-35_0-2		9:41			X	→	→	→	→	→	→	X			
16	SB-35_3-5		9:43			X	→	→	→	→	→	→	X			
17	SB-36_0-2		9:45			X	→	→	→	→	→	→	X			
18	SB-36_3-5		9:48			X	→	→	→	→	→	→	X			
19	SB-37_0-2		14:00			X	→	→	→	→	→	→	X			
110	SB-37_3-5		14:05			X	→	→	→	→	→	→	X			

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/20/14 1530	[signature]	8-20-14 1530
[signature]	8-20-14 19:00	[signature]	8/20/14 19:00
[signature]	8/20/14 2315	Richard [signature]	8/20/14 2315

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

Serial_No:08281418:11

Date Rec'd in Lab: 8/20/14

ALPHA Job #: L1418990

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN D.P.C.
Address:
Phone:
Fax:
Email: gwyka@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYGORODETSKY
ALPHA Quote #: 20146687

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 8/27/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	Part 375/CP-51 UNRESTRICTED USE SCOS

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE EDDS
2) PROVIDE ASP CATEGORY B DELIVERABLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (TCL/TAL)	SVOCs (TCL/TAL)	PCBs (TCL/TAL)	PESTs (TCL/TAL)	HERBS (TCL/TAL)	METALS (TCL/TAL)	CYANIDE (TCL/TAL)	TOTAL CHROM.	HEX. CHROM.		Sample Specific Comments	TOTAL # BOTTLES
18990.11	G1_SOIL_01_3-5	8/20/14	11:35	SOIL	SM	X	→	→	→	→	→	→	X			(1) 16 AMBER, (3) EUROVIAL (1) 8OZ AMBER, (1) PLASTIC	
.12 ~~.12~~	SB-36_3-5_MS		9:48			X	→	→	→	→	→	→	X				
.13 ~~.13~~	SB-36_3-5_MSD		9:48			X	→	→	→	→	→	→	X				
.12 ~~.14~~	G1_SOIL01_082014		14:15	AIR		X	→	→	→	→	→	→	X			ABSORBED	
.13 ~~.15~~	G1_SOIL01_082014		-	AIR		X							~~X~~			(2) 40mL VOAs	

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	8/20/14 1530	[illegible]	8-20-14 1530
[illegible]	8-20-14 19:00	Abdul Mahuby	8/20/14 19:00
Abdul Mahuby	8/20/14 2315	Richard [illegible]	8/20/14 2315

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX H

LABORATORY ANALYTICAL DATA REPORTS – GROUNDWATER

ANALYTICAL REPORT

Lab Number:	L1419472
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/03/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1419472-01	MW-23_082614	WATER	BROOKLYN, NY	08/26/14 09:55	08/26/14
L1419472-02	MW-34_082614	WATER	BROOKLYN, NY	08/26/14 11:57	08/26/14
L1419472-03	G1_GWDUP01_082614	WATER	BROOKLYN, NY	08/26/14 00:00	08/26/14
L1419472-04	G1_GWTB02_082614	WATER	BROOKLYN, NY	08/26/14 00:00	08/26/14

Project Name: GREENPOINT LANDING **Lab Number:** L1419472
Project Number: 170229002 **Report Date:** 09/03/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GREENPOINT LANDING **Lab Number:** L1419472
Project Number: 170229002 **Report Date:** 09/03/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG717469-2/-3 LCS/LCSD recoveries, associated with L1419472-01 through -03, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

The WG717237-1 Method Blank, associated with L1419472-01 through -03, has concentrations above the reporting limit for potassium and sodium. Since the associated sample concentrations are greater than 10x the blank concentration for these analytes, no qualification of the results was performed.

Dissolved Metals

The WG717623-1 Method Blank, associated with L1419472-01 through -03, has a concentration above the reporting limit for sodium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

Chromium, Hexavalent

L1419472-01 has elevated detection limits due to the dilution required by the sample matrix.

The WG717104-4 MS recovery (30%), performed on L1419472-01, is outside the acceptance criteria; however, the associated LCS recovery was within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 09/03/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-01
Client ID: MW-23_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/14 11:52
Analyst: PD

Date Collected: 08/26/14 09:55
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	7.4		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-01 Date Collected: 08/26/14 09:55

Client ID: MW-23_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-01 Date Collected: 08/26/14 09:55

Client ID: MW-23_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	118		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-02
Client ID: MW-34_082614
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/28/14 16:02
Analyst: MS

Date Collected: 08/26/14 11:57
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.77		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	16		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-02 Date Collected: 08/26/14 11:57

Client ID: MW-34_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	2.0	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-02 Date Collected: 08/26/14 11:57

Client ID: MW-34_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-03	Date Collected:	08/26/14 00:00
Client ID:	G1_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	08/28/14 16:30		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.19	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	11		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-03 Date Collected: 08/26/14 00:00

Client ID: G1_GWDUP01_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	1.6	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-03 Date Collected: 08/26/14 00:00

Client ID: G1_GWDUP01_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-04	Date Collected:	08/26/14 00:00
Client ID:	G1_GWTB02_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	08/27/14 13:16		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-04 Date Collected: 08/26/14 00:00

Client ID: G1_GWTB02_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-04 Date Collected: 08/26/14 00:00

Client ID: G1_GWTB02_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**136**	Q	70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	124		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/14 10:28
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG717287-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/14 10:28
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG717287-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/14 10:28
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG717287-3					
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	114		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/14 10:29
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG717729-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/14 10:29
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG717729-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/14 10:29
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG717729-3					
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG717287-1 WG717287-2								
Methylene chloride	95		92		70-130	3		20
1,1-Dichloroethane	88		89		70-130	1		20
Chloroform	98		98		70-130	0		20
2-Chloroethylvinyl ether	73		75		70-130	3		20
Carbon tetrachloride	102		102		63-132	0		20
1,2-Dichloropropane	82		86		70-130	5		20
Dibromochloromethane	90		94		63-130	4		20
1,1,2-Trichloroethane	86		88		70-130	2		20
Tetrachloroethene	88		88		70-130	0		20
Chlorobenzene	88		88		75-130	0		20
Trichlorofluoromethane	118		110		62-150	7		20
1,2-Dichloroethane	102		104		70-130	2		20
1,1,1-Trichloroethane	103		102		67-130	1		20
Bromodichloromethane	97		98		67-130	1		20
trans-1,3-Dichloropropene	89		92		70-130	3		20
cis-1,3-Dichloropropene	92		94		70-130	2		20
1,1-Dichloropropene	94		94		70-130	0		20
Bromoform	90		92		54-136	2		20
1,1,2,2-Tetrachloroethane	81		83		67-130	2		20
Benzene	88		89		70-130	1		20
Toluene	85		87		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG717287-1 WG717287-2								
Ethylbenzene	92		93		70-130	1		20
Chloromethane	74		73		64-130	1		20
Bromomethane	52		56		39-139	7		20
Vinyl chloride	116		107		55-140	8		20
Chloroethane	91		85		55-138	7		20
1,1-Dichloroethene	117		111		61-145	5		20
trans-1,2-Dichloroethene	91		91		70-130	0		20
Trichloroethene	96		96		70-130	0		20
1,2-Dichlorobenzene	88		96		70-130	9		20
1,3-Dichlorobenzene	90		91		70-130	1		20
1,4-Dichlorobenzene	88		89		70-130	1		20
Methyl tert butyl ether	94		97		63-130	3		20
p/m-Xylene	95		96		70-130	1		20
o-Xylene	102		100		70-130	2		20
cis-1,2-Dichloroethene	89		90		70-130	1		20
Dibromomethane	93		95		70-130	2		20
1,2,3-Trichloropropane	90		93		64-130	3		20
Acrylonitrile	80		84		70-130	5		20
Isopropyl Ether	84		86		70-130	2		20
tert-Butyl Alcohol	91		94		70-130	3		20
Styrene	100		103		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG717287-1 WG717287-2								
Dichlorodifluoromethane	97		94		36-147	3		20
Acetone	64		64		58-148	0		20
Carbon disulfide	121		115		51-130	5		20
2-Butanone	94		97		63-138	3		20
Vinyl acetate	90		92		70-130	2		20
4-Methyl-2-pentanone	72		76		59-130	5		20
2-Hexanone	59		67		57-130	13		20
Acrolein	61		63		40-160	3		20
Bromochloromethane	98		98		70-130	0		20
2,2-Dichloropropane	102		100		63-133	2		20
1,2-Dibromoethane	85		90		70-130	6		20
1,3-Dichloropropane	85		89		70-130	5		20
1,1,1,2-Tetrachloroethane	93		95		64-130	2		20
Bromobenzene	87		88		70-130	1		20
n-Butylbenzene	99		99		53-136	0		20
sec-Butylbenzene	96		94		70-130	2		20
tert-Butylbenzene	97		95		70-130	2		20
o-Chlorotoluene	95		94		70-130	1		20
p-Chlorotoluene	96		96		70-130	0		20
1,2-Dibromo-3-chloropropane	97		99		41-144	2		20
Hexachlorobutadiene	97		97		63-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG717287-1 WG717287-2								
Isopropylbenzene	94		93		70-130	1		20
p-Isopropyltoluene	98		97		70-130	1		20
Naphthalene	**61**	Q	74		70-130	19		20
n-Propylbenzene	95		94		69-130	1		20
1,2,3-Trichlorobenzene	76		86		70-130	12		20
1,2,4-Trichlorobenzene	74		83		70-130	11		20
1,3,5-Trimethylbenzene	99		98		64-130	1		20
1,2,4-Trimethylbenzene	100		99		70-130	1		20
Methyl Acetate	79		88		70-130	11		20
Ethyl Acetate	82		86		70-130	5		20
Cyclohexane	87		86		70-130	1		20
Ethyl-Tert-Butyl-Ether	92		95		70-130	3		20
Tertiary-Amyl Methyl Ether	90		95		66-130	5		20
1,4-Dioxane	94		91		56-162	3		20
Freon-113	120		112		70-130	7		20
p-Diethylbenzene	92		91		70-130	1		20
p-Ethyltoluene	97		96		70-130	1		20
1,2,4,5-Tetramethylbenzene	89		90		70-130	1		20
Ethyl ether	115		90		59-134	**24**	Q	20
trans-1,4-Dichloro-2-butene	84		85		70-130	1		20
Iodomethane	**58**	Q	**60**	Q	70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG717287-1 WG717287-2								
Methyl cyclohexane	91		89		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		116		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	106		103		70-130
Dibromofluoromethane	111		111		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG717729-1 WG717729-2								
Methylene chloride	94		98		70-130	4		20
1,1-Dichloroethane	91		95		70-130	4		20
Chloroform	99		103		70-130	4		20
2-Chloroethylvinyl ether	83		85		70-130	2		20
Carbon tetrachloride	86		89		63-132	3		20
1,2-Dichloropropane	88		91		70-130	3		20
Dibromochloromethane	93		96		63-130	3		20
1,1,2-Trichloroethane	106		109		70-130	3		20
Tetrachloroethene	89		94		70-130	5		20
Chlorobenzene	98		102		75-130	4		20
Trichlorofluoromethane	132		138		62-150	4		20
1,2-Dichloroethane	92		94		70-130	2		20
1,1,1-Trichloroethane	95		97		67-130	2		20
Bromodichloromethane	90		93		67-130	3		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	83		85		70-130	2		20
1,1-Dichloropropene	96		98		70-130	2		20
Bromoform	92		94		54-136	2		20
1,1,2,2-Tetrachloroethane	95		99		67-130	4		20
Benzene	93		96		70-130	3		20
Toluene	99		102		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG717729-1 WG717729-2								
Ethylbenzene	104		108		70-130	4		20
Chloromethane	78		80		64-130	3		20
Bromomethane	101		106		39-139	5		20
Vinyl chloride	85		90		55-140	6		20
Chloroethane	118		124		55-138	5		20
1,1-Dichloroethene	94		98		61-145	4		20
trans-1,2-Dichloroethene	96		98		70-130	2		20
Trichloroethene	92		95		70-130	3		20
1,2-Dichlorobenzene	96		99		70-130	3		20
1,3-Dichlorobenzene	100		104		70-130	4		20
1,4-Dichlorobenzene	100		105		70-130	5		20
Methyl tert butyl ether	95		98		63-130	3		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	102		106		70-130	4		20
cis-1,2-Dichloroethene	94		98		70-130	4		20
Dibromomethane	90		93		70-130	3		20
1,2,3-Trichloropropane	109		112		64-130	3		20
Acrylonitrile	90		92		70-130	2		20
Isopropyl Ether	83		86		70-130	4		20
tert-Butyl Alcohol	91		91		70-130	0		20
Styrene	100		103		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG717729-1 WG717729-2								
Dichlorodifluoromethane	78		82		36-147	5		20
Acetone	76		85		58-148	11		20
Carbon disulfide	88		91		51-130	3		20
2-Butanone	112		114		63-138	2		20
Vinyl acetate	84		87		70-130	4		20
4-Methyl-2-pentanone	80		80		59-130	0		20
2-Hexanone	83		85		57-130	2		20
Bromochloromethane	92		96		70-130	4		20
2,2-Dichloropropane	91		92		63-133	1		20
1,2-Dibromoethane	98		102		70-130	4		20
1,3-Dichloropropane	104		107		70-130	3		20
1,1,1,2-Tetrachloroethane	104		107		64-130	3		20
Bromobenzene	75		79		70-130	5		20
n-Butylbenzene	107		111		53-136	4		20
sec-Butylbenzene	98		103		70-130	5		20
tert-Butylbenzene	88		93		70-130	6		20
o-Chlorotoluene	104		109		70-130	5		20
p-Chlorotoluene	92		96		70-130	4		20
1,2-Dibromo-3-chloropropane	93		97		41-144	4		20
Hexachlorobutadiene	73		78		63-130	7		20
Isopropylbenzene	79		83		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG717729-1 WG717729-2								
p-Isopropyltoluene	98		103		70-130	5		20
Naphthalene	93		96		70-130	3		20
n-Propylbenzene	89		93		69-130	4		20
1,2,3-Trichlorobenzene	85		89		70-130	5		20
1,2,4-Trichlorobenzene	87		91		70-130	4		20
1,3,5-Trimethylbenzene	103		108		64-130	5		20
1,2,4-Trimethylbenzene	96		100		70-130	4		20
Methyl Acetate	92		99		70-130	7		20
Ethyl Acetate	92		94		70-130	2		20
Cyclohexane	85		89		70-130	5		20
Ethyl-Tert-Butyl-Ether	86		88		70-130	2		20
Tertiary-Amyl Methyl Ether	88		91		66-130	3		20
1,4-Dioxane	96		94		56-162	2		20
Freon-113	100		105		70-130	5		20
p-Diethylbenzene	99		104		70-130	5		20
p-Ethyltoluene	95		100		70-130	5		20
1,2,4,5-Tetramethylbenzene	94		99		70-130	5		20
Ethyl ether	97		101		59-134	4		20
trans-1,4-Dichloro-2-butene	83		87		70-130	5		20
Methyl cyclohexane	88		93		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG717729-1 WG717729-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	86		87		70-130
Dibromofluoromethane	103		105		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-01	Date Collected:	08/26/14 09:55
Client ID:	MW-23_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/28/14 01:23
Analytical Date:	09/02/14 22:43		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-01 Date Collected: 08/26/14 09:55

Client ID: MW-23_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	83		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-01	Date Collected:	08/26/14 09:55
Client ID:	MW-23_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/28/14 01:23
Analytical Date:	08/29/14 15:07		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.14	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.11	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.09	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.06	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.13	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.15	J	ug/l	0.20	0.08	1
Pyrene	0.13	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-01	Date Collected:	08/26/14 09:55
Client ID:	MW-23_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	88		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-02	Date Collected:	08/26/14 11:57
Client ID:	MW-34_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/28/14 01:23
Analytical Date:	09/02/14 23:07		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-02 Date Collected: 08/26/14 11:57

Client ID: MW-34_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	81		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-02	Date Collected:	08/26/14 11:57
Client ID:	MW-34_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/28/14 01:23
Analytical Date:	08/29/14 15:37		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-02	Date Collected:	08/26/14 11:57
Client ID:	MW-34_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	83		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-03	Date Collected:	08/26/14 00:00
Client ID:	G1_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/28/14 01:23
Analytical Date:	09/02/14 23:32		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-03 Date Collected: 08/26/14 00:00

Client ID: G1_GWDUP01_082614 Date Received: 08/26/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	77		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-03	Date Collected:	08/26/14 00:00
Client ID:	G1_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/28/14 01:23
Analytical Date:	08/29/14 16:07		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-03	Date Collected:	08/26/14 00:00
Client ID:	G1_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	77		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/14 19:05
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 08/28/14 01:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG717469-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/14 19:05
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 08/28/14 01:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG717469-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/14 19:05
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 08/28/14 01:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG717469-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	80		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/14 13:38
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/28/14 01:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG717471-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/14 13:38
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/28/14 01:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG717471-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	81		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717469-2 WG717469-3								
1,2,4-Trichlorobenzene	49		52		39-98	6		30
Bis(2-chloroethyl)ether	72		72		40-140	0		30
1,2-Dichlorobenzene	48		54		40-140	12		30
1,3-Dichlorobenzene	45		50		40-140	11		30
1,4-Dichlorobenzene	47		51		36-97	8		30
3,3'-Dichlorobenzidine	79		78		40-140	1		30
2,4-Dinitrotoluene	**98**	Q	**100**	Q	24-96	2		30
2,6-Dinitrotoluene	98		100		40-140	2		30
4-Chlorophenyl phenyl ether	82		82		40-140	0		30
4-Bromophenyl phenyl ether	88		87		40-140	1		30
Bis(2-chloroisopropyl)ether	69		70		40-140	1		30
Bis(2-chloroethoxy)methane	80		76		40-140	5		30
Hexachlorocyclopentadiene	**29**	Q	**32**	Q	40-140	10		30
Isophorone	85		82		40-140	4		30
Nitrobenzene	74		73		40-140	1		30
NitrosoDiPhenylAmine(NDPA)/DPA	86		86		40-140	0		30
n-Nitrosodi-n-propylamine	77		74		29-132	4		30
Bis(2-Ethylhexyl)phthalate	100		103		40-140	3		30
Butyl benzyl phthalate	97		101		40-140	4		30
Di-n-butylphthalate	97		100		40-140	3		30
Di-n-octylphthalate	102		104		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717469-2 WG717469-3								
Diethyl phthalate	96		96		40-140	0		30
Dimethyl phthalate	93		94		40-140	1		30
Biphenyl	72		72			0		30
4-Chloroaniline	64		58		40-140	10		30
2-Nitroaniline	95		96		52-143	1		30
3-Nitroaniline	69		65		25-145	6		30
4-Nitroaniline	85		86		51-143	1		30
Dibenzofuran	77		77		40-140	0		30
1,2,4,5-Tetrachlorobenzene	60		62		2-134	3		30
Acetophenone	82		78		39-129	5		30
2,4,6-Trichlorophenol	90		91		30-130	1		30
P-Chloro-M-Cresol	80		81		23-97	1		30
2-Chlorophenol	57		58		27-123	2		30
2,4-Dichlorophenol	77		74		30-130	4		30
2,4-Dimethylphenol	70		68		30-130	3		30
2-Nitrophenol	72		70		30-130	3		30
4-Nitrophenol	35		31		10-80	12		30
2,4-Dinitrophenol	62		66		20-130	6		30
4,6-Dinitro-o-cresol	95		94		20-164	1		30
Phenol	25		26		12-110	4		30
2-Methylphenol	53		53		30-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717469-2 WG717469-3								
3-Methylphenol/4-Methylphenol	49		48		30-130	2		30
2,4,5-Trichlorophenol	94		94		30-130	0		30
Benzoic Acid	0	Q	0	Q		NC		30
Benzyl Alcohol	53		50			6		30
Carbazole	90		91		55-144	1		30
Benzaldehyde	66		67		40-140	2		30
Caprolactam	20		21		10-130	5		30
Atrazine	101		102		40-140	1		30
2,3,4,6-Tetrachlorophenol	101		102		54-145	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35		38		21-120
Phenol-d6	25		26		10-120
Nitrobenzene-d5	74		72		23-120
2-Fluorobiphenyl	83		80		15-120
2,4,6-Tribromophenol	90		92		10-120
4-Terphenyl-d14	87		89		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG717471-2 WG717471-3								
Acenaphthene	73		77		37-111	5		40
2-Chloronaphthalene	68		74		40-140	8		40
Fluoranthene	92		96		40-140	4		40
Hexachlorobutadiene	58		64		40-140	10		40
Naphthalene	64		72		40-140	12		40
Benzo(a)anthracene	106		112		40-140	6		40
Benzo(a)pyrene	93		99		40-140	6		40
Benzo(b)fluoranthene	98		104		40-140	6		40
Benzo(k)fluoranthene	90		97		40-140	7		40
Chrysene	98		103		40-140	5		40
Acenaphthylene	81		88		40-140	8		40
Anthracene	85		89		40-140	5		40
Benzo(ghi)perylene	97		102		40-140	5		40
Fluorene	79		83		40-140	5		40
Phenanthrene	82		83		40-140	1		40
Dibenzo(a,h)anthracene	97		100		40-140	3		40
Indeno(1,2,3-cd)Pyrene	99		102		40-140	3		40
Pyrene	93		96		26-127	3		40
2-Methylnaphthalene	72		96		40-140	29		40
Pentachlorophenol	76		82		9-103	8		40
Hexachlorobenzene	83		87		40-140	5		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG717471-2 WG717471-3								
Hexachloroethane	71		81		40-140	13		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	37		40		21-120
Phenol-d6	27		28		10-120
Nitrobenzene-d5	78		82		23-120
2-Fluorobiphenyl	74		84		15-120
2,4,6-Tribromophenol	86		89		10-120
4-Terphenyl-d14	85		87		41-149

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-01	Date Collected:	08/26/14 09:55
Client ID:	MW-23_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 06:55
Analytical Date:	08/30/14 18:59	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/30/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-02	Date Collected:	08/26/14 11:57
Client ID:	MW-34_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 06:55
Analytical Date:	08/30/14 19:13	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/30/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-03	Date Collected:	08/26/14 00:00
Client ID:	G1_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/28/14 06:55
Analytical Date:	08/30/14 19:27	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	08/30/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419472

Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/30/14 20:49
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 08/28/14 06:55
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG717519-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	111		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717519-4 WG717519-5 QC Sample: L1419470-01 Client ID: MS Sample													
Aroclor 1016	ND	2.6	2.16	83		1.76	68		40-140	20		50	A
Aroclor 1260	ND	2.6	2.33	90		1.98	76		40-140	16		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		71		30-150	B
Decachlorobiphenyl	80		67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		78		30-150	A
Decachlorobiphenyl	82		69		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG717519-2 WG717519-3									
Aroclor 1016	78		87		40-140	11		50	A
Aroclor 1260	93		107		40-140	14		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		97		30-150	B
Decachlorobiphenyl	121		134		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		107		30-150	A
Decachlorobiphenyl	118		125		30-150	A

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-01	Date Collected:	08/26/14 09:55
Client ID:	MW-23_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/27/14 12:07
Analytical Date:	08/31/14 03:59	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-01	Date Collected:	08/26/14 09:55
Client ID:	MW-23_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/27/14 07:36
Analytical Date:	08/28/14 18:46		
Analyst:	SH		

Methylation Date: 08/27/14 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-02	Date Collected:	08/26/14 11:57
Client ID:	MW-34_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/27/14 12:07
Analytical Date:	08/31/14 04:12	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-02	Date Collected:	08/26/14 11:57
Client ID:	MW-34_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/27/14 07:36
Analytical Date:	08/28/14 19:07		
Analyst:	SH		

Methylation Date: 08/27/14 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-03	Date Collected:	08/26/14 00:00
Client ID:	G1_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/27/14 12:07
Analytical Date:	08/31/14 04:24	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID:	L1419472-03	Date Collected:	08/26/14 00:00
Client ID:	G1_GWDUP01_082614	Date Received:	08/26/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/27/14 07:36
Analytical Date:	08/28/14 19:29		
Analyst:	SH		

Methylation Date: 08/27/14 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/28/14 15:55
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/27/14 07:36

Methylation Date: 08/27/14 21:16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG717138-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.488	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/14 02:17
Analyst: GP

Extraction Method: EPA 3510C
Extraction Date: 08/27/14 12:07
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG717270-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	103		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG717138-2 WG717138-3									
2,4-D	82		93		30-150	13		25	A
2,4,5-T	74		79		30-150	7		25	A
2,4,5-TP (Silvex)	74		78		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	83		85		30-150	A
DCAA	77		39		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG717270-2 WG717270-3									
Delta-BHC	90		97		30-150	7		20	A
Lindane	96		103		30-150	7		20	A
Alpha-BHC	87		92		30-150	6		20	A
Beta-BHC	97		105		30-150	8		20	A
Heptachlor	94		99		30-150	6		20	A
Aldrin	93		99		30-150	7		20	A
Heptachlor epoxide	92		100		30-150	9		20	A
Endrin	103		110		30-150	7		20	A
Endrin ketone	81		86		30-150	6		20	A
Dieldrin	101		107		30-150	6		20	A
4,4'-DDE	94		101		30-150	7		20	A
4,4'-DDD	96		105		30-150	9		20	A
4,4'-DDT	95		98		30-150	3		20	A
Endosulfan I	102		100		30-150	2		20	A
Endosulfan II	85		91		30-150	7		20	A
Endosulfan sulfate	88		93		30-150	5		20	A
Methoxychlor	80		84		30-150	5		20	A
cis-Chlordane	98		100		30-150	2		20	A
trans-Chlordane	102		104		30-150	2		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG717270-2 WG717270-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		76		30-150	A
Decachlorobiphenyl	92		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		77		30-150	B
Decachlorobiphenyl	97		91		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717138-4 WG717138-5 QC Sample: L1419470-01 Client ID: MS Sample													
2,4-D	ND	10	4.79	48		5.96	60		30-150	22		25	A
2,4,5-T	ND	10	4.70	47		5.51	55		30-150	16		25	A
2,4,5-TP (Silvex)	ND	10	4.66	47		5.45	54		30-150	16		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	43		58		30-150	A
DCAA	50		55		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717270-4 WG717270-5 QC Sample: L1419470-01 Client ID: MS Sample													
Delta-BHC	ND	0.5	0.543	109		0.437	87		30-150	22		30	A
Lindane	ND	0.5	0.564	113		0.462	92		30-150	20		30	A
Alpha-BHC	ND	0.5	0.522	104		0.410	82		30-150	24		30	A
Beta-BHC	ND	0.5	0.541	108		0.440	88		30-150	21		30	A
Heptachlor	ND	0.5	0.503	101		0.414	83		30-150	19		30	A
Aldrin	ND	0.5	0.478	96		0.368	74		30-150	26		30	A
Heptachlor epoxide	ND	0.5	0.543	109		0.435	87		30-150	22		30	A
Endrin	ND	0.5	0.612	122		0.488	98		30-150	23		30	A
Endrin ketone	ND	0.5	0.488	98		0.401	80		30-150	20		30	A
Dieldrin	ND	0.5	0.593	119		0.475	95		30-150	22		30	A
4,4'-DDE	ND	0.5	0.505	101		0.401	80		30-150	23		30	A
4,4'-DDD	ND	0.5	0.565	113		0.449	90		30-150	23		30	A
4,4'-DDT	ND	0.5	0.522	104		0.416	83		30-150	23		30	A
Endosulfan I	ND	0.5	0.540	108		0.440	88		30-150	20		30	A
Endosulfan II	ND	0.5	0.500	100		0.405	81		30-150	21		30	A
Endosulfan sulfate	ND	0.5	0.521	104		0.418	84		30-150	22		30	A
Methoxychlor	ND	0.5	0.464	93		0.380	76		30-150	20		30	A
cis-Chlordane	ND	0.5	0.509	102		0.406	81		30-150	23		30	A
trans-Chlordane	ND	0.5	0.534	107		0.423	85		30-150	23		30	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717270-4 WG717270-5 QC Sample: L1419470-01 Client ID: MS Sample												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		64		30-150	A
Decachlorobiphenyl	70		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		65		30-150	B
Decachlorobiphenyl	77		63		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-01
Client ID: MW-23_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 09:55
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.943		mg/l	0.200	0.0400	20	08/27/14 11:24	08/28/14 17:19	EPA 3005A	1,6020A	KL
Antimony, Total	0.00040	J	mg/l	0.00200	0.00010	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00208		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Barium, Total	0.4831		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Calcium, Total	234.		mg/l	20.0	6.40	200	08/27/14 11:24	08/29/14 14:28	EPA 3005A	1,6020A	KL
Chromium, Total	0.00246		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00129		mg/l	0.00020	0.00010	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Copper, Total	0.00821		mg/l	0.00100	0.00010	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Iron, Total	25.4		mg/l	0.0500	0.0130	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Lead, Total	0.06901		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Magnesium, Total	134.		mg/l	1.40	0.0486	20	08/27/14 11:24	08/28/14 17:19	EPA 3005A	1,6020A	KL
Manganese, Total	0.9792		mg/l	0.01000	0.00200	20	08/27/14 11:24	08/28/14 17:19	EPA 3005A	1,6020A	KL
Mercury, Total	0.00019	J	mg/l	0.00020	0.00006	1	08/28/14 12:38	08/28/14 22:11	EPA 7470A	1,7470A	AK
Nickel, Total	0.00235		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Potassium, Total	45.8		mg/l	0.100	0.0270	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Selenium, Total	0.00031	J	mg/l	0.00500	0.00030	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Sodium, Total	312.		mg/l	2.00	0.300	20	08/27/14 11:24	08/28/14 17:19	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00481	J	mg/l	0.00500	0.00010	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Zinc, Total	0.04340		mg/l	0.01000	0.00120	1	08/27/14 11:24	08/28/14 17:23	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00275	J	mg/l	0.0100	0.00200	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Antimony, Dissolved	0.00070	J	mg/l	0.00300	0.00010	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Arsenic, Dissolved	0.00069		mg/l	0.00050	0.00020	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Barium, Dissolved	0.2997		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1419472
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-01
Client ID: MW-23_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 09:55
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	238.		mg/l	2.00	0.640	20	08/27/14 02:40	08/30/14 14:23	NA	1,6020A	KL
Chromium, Dissolved	0.00073	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Cobalt, Dissolved	0.00050		mg/l	0.00020	0.00010	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Iron, Dissolved	16.2		mg/l	0.0500	0.0130	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Lead, Dissolved	0.00026	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Magnesium, Dissolved	118.		mg/l	1.40	0.460	20	08/27/14 02:40	08/30/14 14:23	NA	1,6020A	KL
Manganese, Dissolved	0.8182		mg/l	0.01000	0.00200	20	08/27/14 02:40	08/30/14 14:23	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 15:05	08/28/14 20:58	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00086		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Potassium, Dissolved	43.7		mg/l	0.100	0.0270	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Selenium, Dissolved	0.00053	J	mg/l	0.00500	0.00030	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Sodium, Dissolved	31.3		mg/l	0.100	0.0150	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Vanadium, Dissolved	0.00087	J	mg/l	0.00500	0.00010	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	08/27/14 02:40	08/30/14 14:26	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-02
Client ID: MW-34_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 11:57
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.127		mg/l	0.0100	0.00200	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Antimony, Total	0.00110	J	mg/l	0.00200	0.00010	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Arsenic, Total	0.05850		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Barium, Total	0.1305		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Calcium, Total	225.		mg/l	2.00	0.640	20	08/27/14 11:24	08/28/14 17:26	EPA 3005A	1,6020A	KL
Chromium, Total	0.00258		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00537		mg/l	0.00020	0.00010	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Copper, Total	0.00247		mg/l	0.00100	0.00010	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Iron, Total	15.1		mg/l	0.0500	0.0130	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Lead, Total	0.01597		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Magnesium, Total	48.9		mg/l	0.0700	0.00243	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Manganese, Total	1.637		mg/l	0.01000	0.00200	20	08/27/14 11:24	08/28/14 17:26	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/14 12:38	08/28/14 22:20	EPA 7470A	1,7470A	AK
Nickel, Total	0.00952		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Potassium, Total	22.8		mg/l	0.100	0.0270	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Sodium, Total	357.		mg/l	2.00	0.300	20	08/27/14 11:24	08/28/14 17:26	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00075	J	mg/l	0.00500	0.00010	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Zinc, Total	0.07198		mg/l	0.01000	0.00120	1	08/27/14 11:24	08/28/14 17:30	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00286	J	mg/l	0.0100	0.00200	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Antimony, Dissolved	0.00122	J	mg/l	0.00300	0.00010	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Arsenic, Dissolved	0.01735		mg/l	0.00050	0.00020	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Barium, Dissolved	0.09901		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1419472
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-02
Client ID: MW-34_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 11:57
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	198.		mg/l	2.00	0.640	20	08/27/14 02:40	08/30/14 14:30	NA	1,6020A	KL
Chromium, Dissolved	0.00054	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Cobalt, Dissolved	0.00472		mg/l	0.00020	0.00010	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Copper, Dissolved	0.00019	J	mg/l	0.00100	0.00010	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Iron, Dissolved	2.03		mg/l	0.0500	0.0130	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Lead, Dissolved	0.00022	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Magnesium, Dissolved	46.8		mg/l	0.0700	0.0230	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Manganese, Dissolved	1.613		mg/l	0.01000	0.00200	20	08/27/14 02:40	08/30/14 14:30	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 15:05	08/28/14 21:00	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00696		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Potassium, Dissolved	22.5		mg/l	0.100	0.0270	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Sodium, Dissolved	318.		mg/l	2.00	0.300	20	08/27/14 02:40	08/30/14 14:30	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL
Zinc, Dissolved	0.03043		mg/l	0.01000	0.00120	1	08/27/14 02:40	08/30/14 14:34	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1419472
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-03
Client ID: G1_GWDUP01_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.106		mg/l	0.0100	0.00200	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Antimony, Total	0.00097	J	mg/l	0.00200	0.00010	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Arsenic, Total	0.05626		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Barium, Total	0.1272		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Calcium, Total	230.		mg/l	2.00	0.640	20	08/27/14 11:24	08/28/14 17:34	EPA 3005A	1,6020A	KL
Chromium, Total	0.00262		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00526		mg/l	0.00020	0.00010	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Copper, Total	0.00191		mg/l	0.00100	0.00010	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Iron, Total	14.6		mg/l	0.0500	0.0130	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Lead, Total	0.01380		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Magnesium, Total	48.1		mg/l	0.0700	0.00243	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Manganese, Total	1.687		mg/l	0.01000	0.00200	20	08/27/14 11:24	08/28/14 17:34	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/14 12:38	08/28/14 22:22	EPA 7470A	1,7470A	AK
Nickel, Total	0.00867		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Potassium, Total	22.3		mg/l	0.100	0.0270	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Sodium, Total	368.		mg/l	2.00	0.300	20	08/27/14 11:24	08/28/14 17:34	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00068	J	mg/l	0.00500	0.00010	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Zinc, Total	0.06735		mg/l	0.01000	0.00120	1	08/27/14 11:24	08/28/14 17:37	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.00255	J	mg/l	0.0100	0.00200	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Antimony, Dissolved	0.00069	J	mg/l	0.00300	0.00010	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Arsenic, Dissolved	0.02815		mg/l	0.00050	0.00020	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Barium, Dissolved	0.1002		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1419472
Project Number: 170229002
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-03
Client ID: G1_GWDUP01_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	203.		mg/l	2.00	0.640	20	08/27/14 02:40	08/30/14 14:37	NA	1,6020A	KL
Chromium, Dissolved	0.00053	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Cobalt, Dissolved	0.00480		mg/l	0.00020	0.00010	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	0.00010	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Iron, Dissolved	6.62		mg/l	0.0500	0.0130	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Lead, Dissolved	0.00020	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Magnesium, Dissolved	46.6		mg/l	0.0700	0.0230	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Manganese, Dissolved	1.684		mg/l	0.01000	0.00200	20	08/27/14 02:40	08/30/14 14:37	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 15:05	08/28/14 21:01	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00679		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Potassium, Dissolved	22.2		mg/l	0.100	0.0270	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Sodium, Dissolved	329.		mg/l	2.00	0.300	20	08/27/14 02:40	08/30/14 14:37	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL
Zinc, Dissolved	0.03765		mg/l	0.01000	0.00120	1	08/27/14 02:40	08/30/14 14:41	NA	1,6020A	KL

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG717237-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Antimony, Total	0.00117	J	mg/l	0.00200	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Chromium, Total	ND		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Copper, Total	0.00012	J	mg/l	0.00100	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Potassium, Total	0.102		mg/l	0.100	0.0270	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Sodium, Total	0.312		mg/l	0.100	0.0150	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00120	1	08/27/14 11:24	08/28/14 15:31	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG717340-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 15:05	08/28/14 20:28	1,7470A	AK

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG717623-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Antimony, Dissolved	0.00130	J	mg/l	0.00300	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Chromium, Dissolved	0.00045	J	mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Copper, Dissolved	0.00059	J	mg/l	0.00100	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Manganese, Dissolved	0.00013	J	mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Nickel, Dissolved	0.00014	J	mg/l	0.00050	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Potassium, Dissolved	0.0375	J	mg/l	0.100	0.0270	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Sodium, Dissolved	0.146		mg/l	0.100	0.0150	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	08/27/14 02:40	08/30/14 13:25	1,6020A	KL

Prep Information

Digestion Method: NA

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG717650-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/28/14 12:38	08/28/14 22:07	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717237-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	99		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	99		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Calcium, Total	103		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	97		-		80-120	-		
Iron, Total	96		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	116		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	92		-		80-120	-		
Selenium, Total	118		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	99		-		80-120	-		
Thallium, Total	95		-		80-120	-		
Vanadium, Total	101		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717237-2					
Zinc, Total	106	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717340-2					
Mercury, Dissolved	106	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717623-2					
Aluminum, Dissolved	100	-	80-120	-	
Antimony, Dissolved	97	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Barium, Dissolved	97	-	80-120	-	
Beryllium, Dissolved	100	-	80-120	-	
Cadmium, Dissolved	100	-	80-120	-	
Calcium, Dissolved	99	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Cobalt, Dissolved	101	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	98	-	80-120	-	
Magnesium, Dissolved	96	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	100	-	80-120	-	
Potassium, Dissolved	96	-	80-120	-	
Selenium, Dissolved	111	-	80-120	-	
Silver, Dissolved	95	-	80-120	-	
Sodium, Dissolved	97	-	80-120	-	
Thallium, Dissolved	106	-	80-120	-	
Vanadium, Dissolved	104	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717623-2					
Zinc, Dissolved	98	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG717650-2					
Mercury, Total	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717237-3 WG717237-4 QC Sample: L1419470-01 Client ID: MS Sample												
Aluminum, Total	0.247	2	2.53	114		2.69	122		75-125	6		20
Antimony, Total	0.00932J	0.5	0.6172	123		0.6542	**131**	Q	75-125	6		20
Arsenic, Total	0.00236J	0.12	0.1501	125		0.1483	124		75-125	1		20
Barium, Total	0.6608	2	2.814	108		2.984	116		75-125	6		20
Beryllium, Total	ND	0.05	0.05582	112		0.05950	119		75-125	6		20
Cadmium, Total	ND	0.051	0.05858	115		0.06528	**128**	Q	75-125	11		20
Calcium, Total	452.	10	403	**0**	Q	369	**0**	Q	75-125	9		20
Chromium, Total	ND	0.2	0.2318	116		0.2362	118		75-125	2		20
Cobalt, Total	ND	0.5	0.5702	114		0.5854	117		75-125	3		20
Copper, Total	ND	0.25	0.2746	110		0.2786	111		75-125	1		20
Iron, Total	121.	1	84.1	**0**	Q	87.7	**0**	Q	75-125	4		20
Lead, Total	0.04024	0.51	0.6350	117		0.6740	124		75-125	6		20
Magnesium, Total	257.	10	259	**20**	Q	283	**260**	Q	75-125	9		20
Manganese, Total	4.116	0.5	3.418	**0**	Q	3.556	**0**	Q	75-125	4		20
Nickel, Total	ND	0.5	0.5410	108		0.5588	112		75-125	3		20
Potassium, Total	308.	10	234	**0**	Q	248	**0**	Q	75-125	6		20
Selenium, Total	ND	0.12	0.118	98		0.126	105		75-125	7		20
Silver, Total	ND	0.05	0.05628	112		0.06058	121		75-125	7		20
Sodium, Total	6030	10	5250	**0**	Q	4830	**0**	Q	75-125	8		20
Thallium, Total	ND	0.12	0.1113	93		0.1215	101		75-125	9		20
Vanadium, Total	ND	0.5	0.6116	122		0.6400	**128**	Q	75-125	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717237-3 WG717237-4 QC Sample: L1419470-01 Client ID: MS Sample											
Zinc, Total	0.1187J	0.5	0.6576	**132**	Q	0.6674	**133**	Q	75-125	1	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717340-3 WG717340-4 QC Sample: L1419470-01 Client ID: MS Sample											
Mercury, Dissolved	ND	0.005	0.00473	95		0.00476	95		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717623-3 WG717623-4 QC Sample: L1419470-01 Client ID: MS Sample

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Aluminum, Dissolved	ND	2	2.30	115		2.28	114		75-125	1	20
Antimony, Dissolved	0.01131J	0.5	0.5296	104		0.5472	107		75-125	3	20
Arsenic, Dissolved	ND	0.12	0.1460	122		0.1487	124		75-125	2	20
Barium, Dissolved	0.3571	2	2.728	116		2.732	116		75-125	0	20
Beryllium, Dissolved	ND	0.05	0.05610	112		0.05604	112		75-125	0	20
Cadmium, Dissolved	ND	0.051	0.05818	114		0.05854	115		75-125	1	20
Calcium, Dissolved	200.	10	210	100		218	**180**	Q	75-125	4	20
Chromium, Dissolved	ND	0.2	0.2296	115		0.2312	116		75-125	1	20
Cobalt, Dissolved	ND	0.5	0.5890	118		0.5884	118		75-125	0	20
Copper, Dissolved	ND	0.25	0.2888	116		0.2886	115		75-125	0	20
Iron, Dissolved	60.4	1	71.1	100		71.3	120		75-125	0	20
Lead, Dissolved	ND	0.51	0.5950	117		0.5906	116		75-125	1	20
Magnesium, Dissolved	712.	10	728	**160**	Q	707	**0**	Q	75-125	3	20
Manganese, Dissolved	2.407	0.5	3.358	114		3.328	108		75-125	1	20
Nickel, Dissolved	0.00098J	0.5	0.5842	117		0.5668	113		75-125	3	20
Potassium, Dissolved	196.	10	231	**150**	Q	227	110		75-125	2	20
Selenium, Dissolved	ND	0.12	0.137	114		0.139	116		75-125	1	20
Silver, Dissolved	ND	0.05	0.05304	106		0.05260	105		75-125	1	20
Sodium, Dissolved	5590	10	5250	**0**	Q	5290	**0**	Q	75-125	1	20
Thallium, Dissolved	ND	0.12	0.1503	125		0.1500	125		75-125	0	20
Vanadium, Dissolved	ND	0.5	0.6260	125		0.6312	**126**	Q	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717623-3 WG717623-4 QC Sample: L1419470-01 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.5284	106	0.5192	104	75-125	2	20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717650-4 QC Sample: L1419472-01 Client ID: MW-23_082614									
Mercury, Total	0.00019J	0.005	0.00516	103	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717650-3 QC Sample: L1419472-01 Client ID: MW-23_082614						
Mercury, Total	0.00019J	0.00015J	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-01
Client ID: MW-23_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 09:55
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.050	0.010	1	-	09/03/14 00:18	107,-	EL
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	08/27/14 16:59	08/28/14 14:51	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.050	0.017	5	08/27/14 02:30	08/27/14 02:41	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-02
Client ID: MW-34_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 11:57
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/03/14 00:18	107,-	EL
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	08/27/14 16:59	08/28/14 14:52	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/27/14 02:30	08/27/14 02:41	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

SAMPLE RESULTS

Lab ID: L1419472-03
Client ID: G1_GWDUP01_082614
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/26/14 00:00
Date Received: 08/26/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	09/03/14 00:18	107,-	EL
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	08/27/14 16:59	08/28/14 14:52	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/27/14 02:30	08/27/14 02:41	1,7196A	EL

Project Name: GREENPOINT LANDING **Lab Number:** L1419472

Project Number: 170229002 **Report Date:** 09/03/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG717104-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/27/14 02:30	08/27/14 02:40	1,7196A	EL
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG717343-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/27/14 16:59	08/28/14 14:25	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG717104-2								
Chromium, Hexavalent	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG717343-2 WG717343-3								
Cyanide, Total	100		100		80-120	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717104-4 QC Sample: L1419472-01 Client ID: MW-23_082614												
Chromium, Hexavalent	ND	0.5	0.151	**30**	Q	-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717343-4 WG717343-5 QC Sample: L1419470-01 Client ID: MS Sample												
Cyanide, Total	0.004J	0.2	0.197	98		0.203	102		80-120	3		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717104-3 QC Sample: L1419472-01 Client ID: MW-23_082614						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419472-01A	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1419472-01B	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1419472-01C	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1419472-01D	Plastic 250ml NaOH preserved	B	>12	3.1	Y	Absent	TCN-9010(14)
L1419472-01E	Plastic 500ml unpreserved	B	7	3.1	Y	Absent	HEXCR-7196(1)
L1419472-01F	Plastic 500ml HNO3 preserved	B	<2	3.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419472-01G	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1419472-01H	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1419472-01I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419472-01J	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419472-01K	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1419472-01L	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	HERB-APA(7)
L1419472-01M	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1419472-01N	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1419472-01O	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419472-01X	Plastic 120ml HNO3 preserved spl	B	<2	3.1	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419472-02A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1419472-02B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1419472-02C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1419472-02D	Plastic 250ml NaOH preserved	B	>12	3.1	Y	Absent	TCN-9010(14)
L1419472-02E	Plastic 500ml unpreserved	B	7	3.1	Y	Absent	HEXCR-7196(1)
L1419472-02F	Plastic 500ml HNO3 preserved	A	<2	2.7	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419472-02G	Amber 500ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8081(7)
L1419472-02H	Amber 500ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8081(7)
L1419472-02I	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419472-02J	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419472-02K	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	HERB-APA(7)
L1419472-02L	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	HERB-APA(7)
L1419472-02M	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1419472-02N	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1419472-02O	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419472-02X	Plastic 120ml HNO3 preserved spl	A	<2	2.7	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419472-03A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1419472-03B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1419472-03C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1419472-03D	Plastic 250ml NaOH preserved	B	>12	3.1	Y	Absent	TCN-9010(14)
L1419472-03E	Plastic 500ml unpreserved	B	7	3.1	Y	Absent	HEXCR-7196(1)
L1419472-03F	Plastic 500ml HNO3 preserved	B	<2	3.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419472-03G	Amber 500ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8081(7)
L1419472-03H	Amber 500ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8081(7)
L1419472-03I	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419472-03J	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419472-03K	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	HERB-APA(7)
L1419472-03L	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	HERB-APA(7)
L1419472-03M	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1419472-03N	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1419472-03O	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419472
Report Date: 09/03/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419472-03X	Plastic 120ml HNO3 preserved spl	A	<2	2.7	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419472-04A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1419472-04B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)

Container Comments

L1419472-01F

L1419472-02F

L1419472-03F

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419472
Project Number:	170229002	**Report Date:**	09/03/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419472
Project Number:	170229002	**Report Date:**	09/03/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1419472
Project Number: 170229002 **Report Date:** 09/03/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (ME□□), Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIB□□), Carbon disul□ide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, T□N, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil □ Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na□**EPA 245.1:** Mercury□
EPA 300.0: Nitrate-N, Fluoride, Sul□ate□**EPA 353.2**: Nitrate-N, Nitrite-N□**SM4500NO3-F**: Nitrate-N, Nitrite-N□**SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons □ Aromatics,
EPA 608: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs
EPA 625: SVOC (Acid/Base/Neutral E□tractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing o□analytes and methods, please contact your Alpha Pro□ect Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Serial No:09031413:03

Date Rec'd in Lab: 8/27/14

ALPHA Job #: L1419472

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN, D.N.C.
Address:
Phone:
Fax:
Email: gwyka@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYGORODETSKY
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/3/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC
Criteria: TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE EDDS
2) PROVIDE ASP CAT B DELIVERABLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (TM 1,2,4)	SVOCs (TM 1,2,4)	PCBs (TM 1,2,4)	METALS (TM 1,2,4)	PESTS (TM 1,2,4)	PHENOLS (TM 1,2,4)	PHENOLS (DAFTER) (TM 1,2,4)	HEX. CHROMIUM	TRI CHROMIUM	CYANIDE			Sample Specific Comments	TOTAL # BOTTLES
19472.1	MW-23_082614	8/26/14	9:55	GW	[illegible]	X	X	X	X	X	X	X	X	X	X			PH < 2 HCL, SODIUM HYDROXIDE PLASTIC, 40 ml VOAs	
.2	MW-34_082614		11:57			X	X	X	X	X	X	X	X	X	X				
.3	G1_GWDUP01_082614		-			X	X	X	X	X	X	X	X	X	X				
.4	G1_GWTB02_082614		-			X												(2) 40 ml VOAs	

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/26/14 16:15	[signature]	8/26/14 16:15
[signature]	8/26/14 1835	[signature]	8-26-14 1835
[signature]	8/27/14 0015	[signature]	8/27/14 0015
	8/25/14		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1419360
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Mimi Raygorodetsky
Phone:	(212) 479-5400
Project Name:	GREENPOINT LANDING
Project Number:	170229002
Report Date:	09/02/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1419360-01	MW-33_082514	WATER	BROOKLYN, NY	08/25/14 15:00	08/25/14
L1419360-02	G1_GWFB01_082514	WATER	BROOKLYN, NY	08/25/14 15:45	08/25/14
L1419360-03	G1_GWTB01_082514	WATER	BROOKLYN, NY	08/25/14 00:00	08/25/14

Project Name: GREENPOINT LANDING **Lab Number:** L1419360
Project Number: 170229002 **Report Date:** 09/02/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419360
Project Number:	170229002	**Report Date:**	09/02/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG717031-4/-5 MS/MSD recoveries, performed on L1419360-01, are outside the acceptance criteria for 1,2-dichloroethane (MS at 132%), 1,1,1-trichloroethane (MS at 132%), bromomethane (MS at 34%), vinyl chloride (150%/148%), trans-1,2-dichloroethene (157%/154%), carbon disulfide (MSD at 131%), naphthalene (MS at 67%), and ethyl ether (MSD at 145%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

The WG717031-4/-5 MS/MSD RPDs, performed on L1419360-01, are above the acceptance criteria for bromomethane (26%), acrolein (27%), naphthalene (26%), and ethyl ether (24%).

Semivolatile Organics

The WG717000-4 MS recoveries, performed on L1419360-01, are outside the acceptance criteria for 3,3'-dichlorobenzidine (38%), 2,4-dimethylphenol (18%), and 2,4-dinitrophenol (140%).

The WG717000-4/-5 MS/MSD RPDs, performed on L1419360-01, are above the acceptance criteria for 3,3'-dichlorobenzidine (46%), 2,4-dimethylphenol (101%), and benzaldehyde (MSD at 38%).

Pesticides

The WG716998-4/-5 MS/MSD recoveries, performed on L1419360-01, are outside the acceptance criteria for lindane (158%/153%), endrin (166%/161%), dieldrin (160%/155%), and 4,4'-ddd (MS at 155%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Total Metals

The WG716887-3/-4 MS/MSD recoveries for calcium (20%/23%) and sodium (0%/0%), performed on L1419360-01, do not apply because the sample concentrations are greater than four times the spike amount added.

Project Name: GREENPOINT LANDING **Lab Number:** L1419360
Project Number: 170229002 **Report Date:** 09/02/14

Case Narrative (continued)

The WG716887-3 MS recoveries, performed on L1419360-01, are outside the acceptance criteria for cadmium (MS at 128%), iron (37%/56%), magnesium (149%/160%), and potassium (130%/141%). A post digestion spike was performed and was within acceptance criteria.

Dissolved Metals

The WG717338-3 MS recoveries, performed on L1419360-01, are outside the acceptance criteria for magnesium (142%) and potassium (130%). A post digestion spike was performed and yielded an unacceptable recovery for magnesium (122%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG717338-4 MSD recoveries for calcium (18%) and sodium (0%), performed on L1419360-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG717338-4 MSD recoveries, performed on L1419360-01, are outside the acceptance criteria for iron (0%) and sodium (0%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 09/02/14

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-01
Client ID: MW-33_082514
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/26/14 16:20
Analyst: PD

Date Collected: 08/25/14 15:00
Date Received: 08/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	20		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-01 Date Collected: 08/25/14 15:00

Client ID: MW-33_082514 Date Received: 08/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-01 Date Collected: 08/25/14 15:00

Client ID: MW-33_082514 Date Received: 08/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	112		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-02
Client ID: G1_GWFB01_082514
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/26/14 16:48
Analyst: PD

Date Collected: 08/25/14 15:45
Date Received: 08/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-02 Date Collected: 08/25/14 15:45

Client ID: G1_GWFB01_082514 Date Received: 08/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-02 Date Collected: 08/25/14 15:45

Client ID: G1_GWFB01_082514 Date Received: 08/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	116		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-03	Date Collected:	08/25/14 00:00
Client ID:	G1_GWTB01_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	08/26/14 17:16		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-03 Date Collected: 08/25/14 00:00

Client ID: G1_GWTB01_082514 Date Received: 08/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-03 Date Collected: 08/25/14 00:00

Client ID: G1_GWTB01_082514 Date Received: 08/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	119		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/14 11:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG717031-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/14 11:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG717031-3					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/14 11:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG717031-3					
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717031-1 WG717031-2								
Methylene chloride	88		88		70-130	0		20
1,1-Dichloroethane	93		92		70-130	1		20
Chloroform	100		100		70-130	0		20
2-Chloroethylvinyl ether	74		78		70-130	5		20
Carbon tetrachloride	103		100		63-132	3		20
1,2-Dichloropropane	89		89		70-130	0		20
Dibromochloromethane	94		96		63-130	2		20
1,1,2-Trichloroethane	92		94		70-130	2		20
Tetrachloroethene	92		93		70-130	1		20
Chlorobenzene	93		93		75-130	0		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	103		104		70-130	1		20
1,1,1-Trichloroethane	103		101		67-130	2		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	94		95		70-130	1		20
cis-1,3-Dichloropropene	96		97		70-130	1		20
1,1-Dichloropropene	97		96		70-130	1		20
Bromoform	95		97		54-136	2		20
1,1,2,2-Tetrachloroethane	86		89		67-130	3		20
Benzene	92		92		70-130	0		20
Toluene	91		91		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717031-1 WG717031-2								
Ethylbenzene	97		96		70-130	1		20
Chloromethane	80		78		64-130	3		20
Bromomethane	55		48		39-139	14		20
Vinyl chloride	110		92		55-140	18		20
Chloroethane	110		94		55-138	16		20
1,1-Dichloroethene	98		113		61-145	14		20
trans-1,2-Dichloroethene	91		90		70-130	1		20
Trichloroethene	98		96		70-130	2		20
1,2-Dichlorobenzene	93		92		70-130	1		20
1,3-Dichlorobenzene	95		95		70-130	0		20
1,4-Dichlorobenzene	92		92		70-130	0		20
Methyl tert butyl ether	98		99		63-130	1		20
p/m-Xylene	101		100		70-130	1		20
o-Xylene	105		103		70-130	2		20
cis-1,2-Dichloroethene	94		94		70-130	0		20
Dibromomethane	96		97		70-130	1		20
1,2,3-Trichloropropane	96		97		64-130	1		20
Acrylonitrile	88		89		70-130	1		20
Isopropyl Ether	90		92		70-130	2		20
tert-Butyl Alcohol	98		101		70-130	3		20
Styrene	106		106		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717031-1 WG717031-2								
Dichlorodifluoromethane	96		93		36-147	3		20
Acetone	**55**	Q	58		58-148	5		20
Carbon disulfide	103		116		51-130	12		20
2-Butanone	96		98		63-138	2		20
Vinyl acetate	94		97		70-130	3		20
4-Methyl-2-pentanone	80		82		59-130	2		20
2-Hexanone	67		68		57-130	1		20
Acrolein	64		67		40-160	5		20
Bromochloromethane	104		104		70-130	0		20
2,2-Dichloropropane	101		99		63-133	2		20
1,2-Dibromoethane	90		93		70-130	3		20
1,3-Dichloropropane	90		92		70-130	2		20
1,1,1,2-Tetrachloroethane	96		96		64-130	0		20
Bromobenzene	92		94		70-130	2		20
n-Butylbenzene	102		100		53-136	2		20
sec-Butylbenzene	101		100		70-130	1		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	99		100		70-130	1		20
p-Chlorotoluene	99		100		70-130	1		20
1,2-Dibromo-3-chloropropane	73		100		41-144	**31**	Q	20
Hexachlorobutadiene	100		94		63-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717031-1 WG717031-2								
Isopropylbenzene	98		99		70-130	1		20
p-Isopropyltoluene	102		101		70-130	1		20
Naphthalene	**65**	Q	**67**	Q	70-130	3		20
n-Propylbenzene	99		98		69-130	1		20
1,2,3-Trichlorobenzene	81		82		70-130	1		20
1,2,4-Trichlorobenzene	77		78		70-130	1		20
1,3,5-Trimethylbenzene	103		102		64-130	1		20
1,2,4-Trimethylbenzene	103		102		70-130	1		20
Methyl Acetate	84		88		70-130	5		20
Ethyl Acetate	86		85		70-130	1		20
Cyclohexane	92		91		70-130	1		20
Ethyl-Tert-Butyl-Ether	97		99		70-130	2		20
Tertiary-Amyl Methyl Ether	96		98		66-130	2		20
1,4-Dioxane	95		96		56-162	1		20
Freon-113	103		114		70-130	10		20
p-Diethylbenzene	95		94		70-130	1		20
p-Ethyltoluene	101		100		70-130	1		20
1,2,4,5-Tetramethylbenzene	92		92		70-130	0		20
Ethyl ether	101		116		59-134	14		20
trans-1,4-Dichloro-2-butene	87		91		70-130	4		20
Methyl cyclohexane	94		92		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG717031-1 WG717031-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		109		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	108		107		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717031-4 WG717031-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
Methylene chloride	ND	10	12	115		10	104		70-130	18		20
1,1-Dichloroethane	ND	10	11	114		11	114		70-130	0		20
Chloroform	ND	10	13	126		12	122		70-130	8		20
Carbon tetrachloride	ND	10	13	130		13	127		63-132	0		20
1,2-Dichloropropane	ND	10	11	107		10	104		70-130	10		20
Dibromochloromethane	ND	10	11	113		10	105		63-130	10		20
1,1,2-Trichloroethane	ND	10	11	111		10	101		70-130	10		20
Tetrachloroethene	ND	10	10	104		9.4	95		70-130	6		20
Chlorobenzene	ND	10	10	105		10	104		75-130	0		20
Trichlorofluoromethane	ND	10	14	144		14	142		62-150	0		20
1,2-Dichloroethane	ND	10	13	**132**	Q	13	129		70-130	0		20
1,1,1-Trichloroethane	ND	10	13	**132**	Q	13	127		67-130	0		20
Bromodichloromethane	ND	10	12	123		12	121		67-130	0		20
trans-1,3-Dichloropropene	ND	10	11	107		9.8	98		70-130	12		20
cis-1,3-Dichloropropene	ND	10	9.8	98		9.7	97		70-130	1		20
1,1-Dichloropropene	ND	10	12	116		11	115		70-130	9		20
Bromoform	ND	10	10	106		11	113		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	11	106		10	105		67-130	10		20
Benzene	ND	10	11	111		11	110		70-130	0		20
Toluene	ND	10	10	105		9.7	97		70-130	3		20
Ethylbenzene	ND	10	11	111		11	108		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717031-4 WG717031-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
Chloromethane	ND	10	9.9	99		11	110		64-130	11		20
Bromomethane	ND	10	3.4	**34**	Q	4.4	44		39-139	**26**	Q	20
Vinyl chloride	ND	10	15	**150**	Q	15	**148**	Q	55-140	0		20
Chloroethane	ND	10	13	130		14	136		55-138	7		20
1,1-Dichloroethene	ND	10	12	119		13	127		61-145	8		20
trans-1,2-Dichloroethene	20	10	36	**157**	Q	35	**154**	Q	70-130	3		20
Trichloroethene	ND	10	12	122		12	118		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.9	99		10	102		70-130	1		20
1,3-Dichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
1,4-Dichlorobenzene	ND	10	9.7	97		9.8	98		70-130	1		20
Methyl tert butyl ether	ND	10	12	125		12	119		63-130	0		20
p/m-Xylene	ND	20	23	115		22	111		70-130	4		20
o-Xylene	ND	20	24	119		22	109		70-130	9		20
cis-1,2-Dichloroethene	ND	10	11	109		11	109		70-130	0		20
Dibromomethane	ND	10	12	122		12	115		70-130	0		20
1,2,3-Trichloropropane	ND	10	12	116		12	117		64-130	0		20
Acrylonitrile	ND	10	10	102		10	103		70-130	0		20
Isopropyl Ether	ND	10	10	105		10	104		70-130	0		20
tert-Butyl Alcohol	ND	50	52	104		57	114		70-130	9		20
Styrene	ND	20	24	119		22	108		70-130	9		20
Dichlorodifluoromethane	ND	10	11	113		11	114		36-147	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717031-4 WG717031-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
Acetone	ND	10	12	115		12	120		58-148	0		20
Carbon disulfide	ND	10	12	122		13	**131**	Q	51-130	8		20
2-Butanone	ND	10	11	115		12	120		63-138	9		20
Vinyl acetate	ND	10	11	114		11	110		70-130	0		20
4-Methyl-2-pentanone	ND	10	9.6	96		9.6	96		59-130	0		20
2-Hexanone	ND	10	7.8	79		7.7	77		57-130	1		20
Acrolein	ND	10	12	120		9.1	92		40-160	**27**	Q	20
Bromochloromethane	ND	10	12	123		12	122		70-130	0		20
2,2-Dichloropropane	ND	10	11	109		10	106		63-133	10		20
1,2-Dibromoethane	ND	10	10	105		9.8	98		70-130	2		20
1,3-Dichloropropane	ND	10	12	115		9.9	99		70-130	19		20
1,1,1,2-Tetrachloroethane	ND	10	11	113		11	111		64-130	0		20
Bromobenzene	ND	10	10	105		10	100		70-130	0		20
n-Butylbenzene	ND	10	10	102		10	103		53-136	0		20
sec-Butylbenzene	ND	10	10	103		10	105		70-130	0		20
tert-Butylbenzene	ND	10	11	109		11	107		70-130	0		20
o-Chlorotoluene	ND	10	11	112		11	108		70-130	0		20
p-Chlorotoluene	ND	10	11	110		11	109		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	10	105		12	115		41-144	18		20
Hexachlorobutadiene	ND	10	9.5	95		9.8	98		63-130	3		20
Isopropylbenzene	ND	10	10	101		10	105		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717031-4 WG717031-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
p-Isopropyltoluene	ND	10	10	104		10	105		70-130	0		20
Naphthalene	ND	10	6.7	**67**	Q	8.7	87		70-130	**26**	Q	20
n-Propylbenzene	ND	10	11	108		10	104		69-130	10		20
1,2,3-Trichlorobenzene	ND	10	8.4	84		10	104		70-130	17		20
1,2,4-Trichlorobenzene	ND	10	7.8	78		9.1	91		70-130	15		20
1,3,5-Trimethylbenzene	ND	10	11	115		11	112		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	11	112		11	110		70-130	0		20
Methyl Acetate	ND	10	11	107		9.6	96		70-130	14		20
Ethyl Acetate	ND	10	9.9J	99		10	100		70-130	1		20
Cyclohexane	ND	10	10	103		10	100		70-130	0		20
Ethyl-Tert-Butyl-Ether	ND	10	11	113		11	115		70-130	0		20
Tertiary-Amyl Methyl Ether	ND	10	11	112		11	113		66-130	0		20
1,4-Dioxane	ND	500	430	85		480	97		56-162	11		20
Freon-113	ND	10	12	117		12	122		70-130	0		20
p-Diethylbenzene	ND	10	9.5	96		9.7	97		70-130	2		20
p-Ethyltoluene	ND	10	11	111		11	106		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	9.0	90		9.6	96		70-130	6		20
Ethyl ether	ND	10	11	115		14	**145**	Q	59-134	**24**	Q	20
trans-1,4-Dichloro-2-butene	ND	10	10	101		10	102		70-130	0		20
Methyl cyclohexane	ND	10	10	102		9.9J	99		70-130	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG717031-4 WG717031-5 QC Sample: L1419360-01 Client ID: MW-33_082514												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		117		70-130
4-Bromofluorobenzene	96		99		70-130
Dibromofluoromethane	117		111		70-130
Toluene-d8	97		91		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-01	Date Collected:	08/25/14 15:00
Client ID:	MW-33_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/26/14 16:37
Analytical Date:	08/30/14 03:56		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-01 Date Collected: 08/25/14 15:00

Client ID: MW-33_082514 Date Received: 08/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	83		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-01	Date Collected:	08/25/14 15:00
Client ID:	MW-33_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/26/14 16:43
Analytical Date:	08/28/14 13:50		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.12	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.05	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.10	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.11	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-01	Date Collected:	08/25/14 15:00
Client ID:	MW-33_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	107		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-02	Date Collected:	08/25/14 15:45
Client ID:	G1_GWFB01_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	08/26/14 16:37
Analytical Date:	08/30/14 04:22		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-02 Date Collected: 08/25/14 15:45

Client ID: G1_GWFB01_082514 Date Received: 08/25/14

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1
Benzaldehyde	ND		ug/l	5.0	0.99	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	0.79	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	82		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-02	Date Collected:	08/25/14 15:45
Client ID:	G1_GWFB01_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	08/26/14 16:43
Analytical Date:	08/28/14 14:21		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.24		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-02	Date Collected:	08/25/14 15:45
Client ID:	G1_GWFB01_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	96		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/29/14 20:39
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/26/14 16:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG717000-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/29/14 20:39
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/26/14 16:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG717000-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/29/14 20:39
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/26/14 16:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG717000-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	94		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/28/14 11:18
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/26/14 16:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG717004-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/28/14 11:18
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 08/26/14 16:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG717004-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	99		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG717000-2 WG717000-3								
1,2,4-Trichlorobenzene	55		59		39-98	7		30
Bis(2-chloroethyl)ether	80		74		40-140	8		30
1,2-Dichlorobenzene	57		56		40-140	2		30
1,3-Dichlorobenzene	53		53		40-140	0		30
1,4-Dichlorobenzene	54		55		36-97	2		30
3,3'-Dichlorobenzidine	78		83		40-140	6		30
2,4-Dinitrotoluene	96		93		24-96	3		30
2,6-Dinitrotoluene	100		94		40-140	6		30
4-Chlorophenyl phenyl ether	84		87		40-140	4		30
4-Bromophenyl phenyl ether	93		92		40-140	1		30
Bis(2-chloroisopropyl)ether	76		71		40-140	7		30
Bis(2-chloroethoxy)methane	90		81		40-140	11		30
Hexachlorocyclopentadiene	44		50		40-140	13		30
Isophorone	89		80		40-140	11		30
Nitrobenzene	89		87		40-140	2		30
NitrosoDiPhenylAmine(NDPA)/DPA	85		82		40-140	4		30
n-Nitrosodi-n-propylamine	85		76		29-132	11		30
Bis(2-Ethylhexyl)phthalate	103		102		40-140	1		30
Butyl benzyl phthalate	103		100		40-140	3		30
Di-n-butylphthalate	98		95		40-140	3		30
Di-n-octylphthalate	103		101		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG717000-2 WG717000-3								
Diethyl phthalate	90		89		40-140	1		30
Dimethyl phthalate	91		86		40-140	6		30
Biphenyl	80		87			8		30
4-Chloroaniline	80		80		40-140	0		30
2-Nitroaniline	98		94		52-143	4		30
3-Nitroaniline	83		83		25-145	0		30
4-Nitroaniline	93		91		51-143	2		30
Dibenzofuran	80		82		40-140	2		30
1,2,4,5-Tetrachlorobenzene	71		78		2-134	9		30
Acetophenone	99		90		39-129	10		30
2,4,6-Trichlorophenol	98		96		30-130	2		30
P-Chloro-M-Cresol	94		91		23-97	3		30
2-Chlorophenol	81		71		27-123	13		30
2,4-Dichlorophenol	93		89		30-130	4		30
2,4-Dimethylphenol	85		75		30-130	13		30
2-Nitrophenol	98		92		30-130	6		30
4-Nitrophenol	72		70		10-80	3		30
2,4-Dinitrophenol	111		107		20-130	4		30
4,6-Dinitro-o-cresol	123		120		20-164	2		30
Phenol	42		38		12-110	10		30
2-Methylphenol	74		66		30-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG717000-2 WG717000-3								
3-Methylphenol/4-Methylphenol	79		71		30-130	11		30
2,4,5-Trichlorophenol	92		85		30-130	8		30
Benzoic Acid	25		32			25		30
Benzyl Alcohol	82		74			10		30
Carbazole	89		87		55-144	2		30
Benzaldehyde	88		82		40-140	7		30
Caprolactam	32		28		10-130	13		30
Atrazine	108		110		40-140	2		30
2,3,4,6-Tetrachlorophenol	94		91		54-145	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		55		21-120
Phenol-d6	42		38		10-120
Nitrobenzene-d5	94		87		23-120
2-Fluorobiphenyl	86		85		15-120
2,4,6-Tribromophenol	93		94		10-120
4-Terphenyl-d14	95		95		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG717004-2 WG717004-3								
Acenaphthene	96		94		37-111	2		40
2-Chloronaphthalene	97		96		40-140	1		40
Fluoranthene	108		107		40-140	1		40
Hexachlorobutadiene	91		89		40-140	2		40
Naphthalene	92		90		40-140	2		40
Benzo(a)anthracene	108		106		40-140	2		40
Benzo(a)pyrene	106		104		40-140	2		40
Benzo(b)fluoranthene	109		108		40-140	1		40
Benzo(k)fluoranthene	106		104		40-140	2		40
Chrysene	104		102		40-140	2		40
Acenaphthylene	95		94		40-140	1		40
Anthracene	103		101		40-140	2		40
Benzo(ghi)perylene	101		100		40-140	1		40
Fluorene	105		104		40-140	1		40
Phenanthrene	97		95		40-140	2		40
Dibenzo(a,h)anthracene	108		107		40-140	1		40
Indeno(1,2,3-cd)Pyrene	105		104		40-140	1		40
Pyrene	107		105		26-127	2		40
2-Methylnaphthalene	100		99		40-140	1		40
Pentachlorophenol	95		89		9-103	7		40
Hexachlorobenzene	107		106		40-140	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG717004-2 WG717004-3								
Hexachloroethane	98		94		40-140	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		56		21-120
Phenol-d6	40		39		10-120
Nitrobenzene-d5	92		90		23-120
2-Fluorobiphenyl	90		91		15-120
2,4,6-Tribromophenol	107		105		10-120
4-Terphenyl-d14	105		105		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717000-4 WG717000-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
1,2,4-Trichlorobenzene	ND	40	30	75		24	60		39-98	22		30
Bis(2-chloroethyl)ether	ND	40	32	80		24	60		40-140	29		30
1,2-Dichlorobenzene	ND	40	28	70		21	53		40-140	29		30
1,3-Dichlorobenzene	ND	40	27	68		20	50		40-140	30		30
1,4-Dichlorobenzene	ND	40	27	68		20	50		36-97	30		30
3,3'-Dichlorobenzidine	ND	40	15	**38**	Q	24	60		40-140	**46**	Q	30
2,4-Dinitrotoluene	ND	40	38	95		32	80		24-96	17		30
2,6-Dinitrotoluene	ND	40	37	93		31	78		40-140	18		30
4-Chlorophenyl phenyl ether	ND	40	35	88		29	73		40-140	19		30
4-Bromophenyl phenyl ether	ND	40	37	93		31	78		40-140	18		30
Bis(2-chloroisopropyl)ether	ND	40	31	78		23	58		40-140	30		30
Bis(2-chloroethoxy)methane	ND	40	35	88		27	68		40-140	26		30
Hexachlorocyclopentadiene	ND	40	26	65		23	58		40-140	12		30
Isophorone	ND	40	35	88		27	68		40-140	26		30
Nitrobenzene	ND	40	38	95		28	70		40-140	30		30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	30	75		28	70		40-140	7		30
n-Nitrosodi-n-propylamine	ND	40	33	83		25	63		29-132	28		30
Bis(2-Ethylhexyl)phthalate	ND	40	41	100		34	85		40-140	19		30
Butyl benzyl phthalate	ND	40	38	95		32	80		40-140	17		30
Di-n-butylphthalate	ND	40	38	95		31	78		40-140	20		30
Di-n-octylphthalate	ND	40	40	100		33	83		40-140	19		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717000-4 WG717000-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
Diethyl phthalate	ND	40	35	88		29	73		40-140	19		30
Dimethyl phthalate	ND	40	35	88		29	73		40-140	19		30
Biphenyl	ND	40	38	95		31	78			20		30
4-Chloroaniline	ND	40	27	68		26	65		40-140	4		30
2-Nitroaniline	ND	40	39	98		31	78		52-143	23		30
3-Nitroaniline	ND	40	31	78		26	65		25-145	18		30
4-Nitroaniline	ND	40	29	73		27	68		51-143	7		30
Dibenzofuran	ND	40	34	85		28	70		40-140	19		30
1,2,4,5-Tetrachlorobenzene	ND	40	36	90		29	73		2-134	22		30
Acetophenone	ND	40	39	98		29	73		39-129	29		30
2,4,6-Trichlorophenol	ND	40	36	90		32	80		30-130	12		30
P-Chloro-M-Cresol	ND	40	36	90		30	75		23-97	18		30
2-Chlorophenol	ND	40	31	78		24	60		27-123	25		30
2,4-Dichlorophenol	ND	40	37	93		30	75		30-130	21		30
2,4-Dimethylphenol	ND	40	7.2	**18**	Q	22	55		30-130	**101**	Q	30
2-Nitrophenol	ND	40	40	100		31	78		30-130	25		30
4-Nitrophenol	ND	40	30	75		26	65		10-80	14		30
2,4-Dinitrophenol	ND	40	57	**140**	Q	48	120		20-130	17		30
4,6-Dinitro-o-cresol	ND	40	49	120		41	100		20-164	18		30
Phenol	ND	40	17	43		14	35		12-110	19		30
2-Methylphenol	ND	40	23	58		22	55		30-130	4		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717000-4 WG717000-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
3-Methylphenol/4-Methylphenol	ND	40	27	68		25	63		30-130	8		30
2,4,5-Trichlorophenol	ND	40	35	88		31	78		30-130	12		30
Benzoic Acid	ND	40	26J	65		24.J	60			8		30
Benzyl Alcohol	ND	40	33	83		26	65			24		30
Carbazole	ND	40	34	85		28	70		55-144	19		30
Benzaldehyde	ND	40	38	95		26	65		40-140	**38**	Q	30
Caprolactam	ND	40	13	33		12	30		10-130	8		30
Atrazine	ND	40	42	110		34	85		40-140	21		30
2,3,4,6-Tetrachlorophenol	ND	40	36	90		30	75		54-145	18		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	90		79		10-120
2-Fluorobiphenyl	90		72		15-120
2-Fluorophenol	59		46		21-120
4-Terphenyl-d14	90		73		41-149
Nitrobenzene-d5	95		70		23-120
Phenol-d6	43		35		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717004-4 WG717004-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
Acenaphthene	ND	40	22	55		20	50		37-111	10		40
2-Chloronaphthalene	ND	40	23	58		20	50		40-140	14		40
Fluoranthene	0.12J	40	25	63		22	55		40-140	13		40
Hexachlorobutadiene	ND	40	20	50		17	43		40-140	16		40
Naphthalene	ND	40	21	53		17	43		40-140	21		40
Benzo(a)anthracene	ND	40	24	60		21	53		40-140	13		40
Benzo(a)pyrene	ND	40	24	60		21	53		40-140	13		40
Benzo(b)fluoranthene	ND	40	24	60		21	53		40-140	13		40
Benzo(k)fluoranthene	ND	40	24	60		21	53		40-140	13		40
Chrysene	0.05J	40	23	58		20	50		40-140	14		40
Acenaphthylene	ND	40	25	63		21	53		40-140	17		40
Anthracene	ND	40	24	60		21	53		40-140	13		40
Benzo(ghi)perylene	ND	40	23	58		20	50		40-140	14		40
Fluorene	ND	40	25	63		22	55		40-140	13		40
Phenanthrene	0.10J	40	23	58		20	50		40-140	14		40
Dibenzo(a,h)anthracene	ND	40	24	60		21	53		40-140	13		40
Indeno(1,2,3-cd)Pyrene	ND	40	24	60		21	53		40-140	13		40
Pyrene	0.11J	40	25	63		22	55		26-127	13		40
2-Methylnaphthalene	ND	40	23	58		20	50		40-140	14		40
Pentachlorophenol	ND	40	18	45		16	40		9-103	12		40
Hexachlorobenzene	ND	40	24	60		22	55		40-140	9		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717004-4 WG717004-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
Hexachloroethane	ND	40	20	50		16	40		40-140	22		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	61		55		10-120
2-Fluorobiphenyl	65		55		15-120
2-Fluorophenol	33		27		21-120
4-Terphenyl-d14	72		63		41-149
Nitrobenzene-d5	56		44		23-120
Phenol-d6	25		22		10-120

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-01	Date Collected:	08/25/14 15:00
Client ID:	MW-33_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/26/14 17:00
Analytical Date:	08/27/14 18:35	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/27/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	93		30-150	A

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-02	Date Collected:	08/25/14 15:45
Client ID:	G1_GWFB01_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	08/26/14 17:00
Analytical Date:	08/27/14 18:48	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	08/27/14
		Cleanup Method:	EPA 3660B
		Cleanup Date:	08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419360

Report Date: 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/27/14 17:26
Analyst: TQ

Extraction Method: EPA 3510C
Extraction Date: 08/26/14 17:00
Cleanup Method: EPA 3665A
Cleanup Date: 08/27/14
Cleanup Method: EPA 3660B
Cleanup Date: 08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG717009-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	102		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717009-4 WG717009-5 QC Sample: L1419360-01 Client ID: MW-33_082514													
Aroclor 1016	ND	2.6	1.82	70		2.08	80		40-140	13		50	A
Aroclor 1260	ND	2.6	2.14	82		2.48	95		40-140	15		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		70		30-150	B
Decachlorobiphenyl	70		83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		77		30-150	A
Decachlorobiphenyl	77		94		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG717009-2 WG717009-3									
Aroclor 1016	80		75		40-140	6		50	A
Aroclor 1260	98		92		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		69		30-150	B
Decachlorobiphenyl	105		93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		74		30-150	A
Decachlorobiphenyl	112		103		30-150	A

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-01	Date Collected:	08/25/14 15:00
Client ID:	MW-33_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/26/14 16:25
Analytical Date:	08/29/14 17:23	Cleanup Method:	EPA 3620B
Analyst:	SH	Cleanup Date:	08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-01	Date Collected:	08/25/14 15:00
Client ID:	MW-33_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/26/14 15:37
Analytical Date:	08/27/14 11:23		
Analyst:	SH		

Methylation Date: 08/26/14 21:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-02	Date Collected:	08/25/14 15:45
Client ID:	G1_GWFB01_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	08/26/14 16:25
Analytical Date:	08/29/14 17:35	Cleanup Method:	EPA 3620B
Analyst:	SH	Cleanup Date:	08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	115		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

SAMPLE RESULTS

Lab ID:	L1419360-02	Date Collected:	08/25/14 15:45
Client ID:	G1_GWFB01_082514	Date Received:	08/25/14
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	08/26/14 15:37
Analytical Date:	08/27/14 11:45		
Analyst:	SH		

Methylation Date: 08/26/14 21:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	89		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/27/14 08:31
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 08/26/14 15:37

Methylation Date: 08/26/14 21:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02 Batch: WG716965-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.488	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	78		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/29/14 16:19
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 08/26/14 16:25
Cleanup Method: EPA 3620B
Cleanup Date: 08/27/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG716998-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	115		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1419360

Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG716965-2 WG716965-3									
2,4-D	99		99		30-150	0		25	A
2,4,5-T	82		83		30-150	1		25	A
2,4,5-TP (Silvex)	82		83		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	85		86		30-150	A
DCAA	85		80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG716998-2 WG716998-3									
Delta-BHC	121		124		30-150	2		20	A
Lindane	133		137		30-150	3		20	A
Alpha-BHC	118		122		30-150	3		20	A
Beta-BHC	127		131		30-150	3		20	A
Heptachlor	116		120		30-150	3		20	A
Aldrin	119		124		30-150	4		20	A
Heptachlor epoxide	123		126		30-150	2		20	A
Endrin	138		142		30-150	3		20	A
Endrin ketone	105		110		30-150	5		20	A
Dieldrin	134		138		30-150	3		20	A
4,4'-DDE	128		132		30-150	3		20	A
4,4'-DDD	127		133		30-150	5		20	A
4,4'-DDT	117		122		30-150	4		20	A
Endosulfan I	122		125		30-150	2		20	A
Endosulfan II	112		116		30-150	4		20	A
Endosulfan sulfate	114		120		30-150	5		20	A
Methoxychlor	97		102		30-150	5		20	A
cis-Chlordane	118		122		30-150	3		20	A
trans-Chlordane	123		127		30-150	3		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG716998-2 WG716998-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		96		30-150	A
Decachlorobiphenyl	105		109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		99		30-150	B
Decachlorobiphenyl	109		114		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG716965-4 WG716965-5 QC Sample: L1419360-01 Client ID: MW-33_082514													
2,4-D	ND	10	10.5	105		8.66J	87		30-150	19		25	A
2,4,5-T	ND	10	9.15	92		7.65	76		30-150	18		25	A
2,4,5-TP (Silvex)	ND	10	8.93	89		7.56	76		30-150	17		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	93		78		30-150	A
DCAA	89		75		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG716998-4 WG716998-5 QC Sample: L1419360-01 Client ID: MW-33_082514													
Delta-BHC	ND	0.5	0.732	146		0.697	139		30-150	5		30	A
Lindane	ND	0.5	0.790	**158**	Q	0.764	**153**	Q	30-150	3		30	A
Alpha-BHC	ND	0.5	0.692	138		0.672	134		30-150	3		30	A
Beta-BHC	ND	0.5	0.749	150		0.719	144		30-150	4		30	A
Heptachlor	ND	0.5	0.682	136		0.680	136		30-150	0		30	A
Aldrin	ND	0.5	0.694	139		0.693	139		30-150	0		30	A
Heptachlor epoxide	ND	0.5	0.729	146		0.713	143		30-150	2		30	A
Endrin	ND	0.5	0.829	**166**	Q	0.807	**161**	Q	30-150	3		30	A
Endrin ketone	ND	0.5	0.652	130		0.613	123		30-150	6		30	A
Dieldrin	ND	0.5	0.800	**160**	Q	0.777	**155**	Q	30-150	3		30	A
4,4'-DDE	ND	0.5	0.748	150		0.734	147		30-150	2		30	A
4,4'-DDD	ND	0.5	0.776	**155**	Q	0.752	150		30-150	3		30	A
4,4'-DDT	ND	0.5	0.714	143		0.695	139		30-150	3		30	A
Endosulfan I	ND	0.5	0.726	145		0.710	142		30-150	2		30	A
Endosulfan II	ND	0.5	0.683	137		0.649	130		30-150	5		30	A
Endosulfan sulfate	ND	0.5	0.703	141		0.659	132		30-150	6		30	A
Methoxychlor	ND	0.5	0.602	120		0.581	116		30-150	4		30	A
cis-Chlordane	ND	0.5	0.699	140		0.686	137		30-150	2		30	A
trans-Chlordane	ND	0.5	0.731	146		0.714	143		30-150	2		30	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG716998-4 WG716998-5 QC Sample: L1419360-01 Client ID: MW-33_082514												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		105		30-150	A
Decachlorobiphenyl	112		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		104		30-150	B
Decachlorobiphenyl	113		104		30-150	B

METALS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-01
Client ID: MW-33_082514
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/25/14 15:00
Date Received: 08/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1.85		mg/l	0.200	0.0400	20	08/26/14 10:48	08/27/14 10:34	EPA 3005A	1,6020A	KL
Antimony, Total	0.00395		mg/l	0.00300	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Arsenic, Total	0.00994		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Barium, Total	0.1336		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Beryllium, Total	0.00014	J	mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Cadmium, Total	0.00009	J	mg/l	0.00020	0.00005	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Calcium, Total	62.6		mg/l	2.00	0.640	20	08/26/14 10:48	08/27/14 10:34	EPA 3005A	1,6020A	KL
Chromium, Total	0.00515		mg/l	0.00100	0.00020	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Cobalt, Total	0.00207		mg/l	0.00020	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Copper, Total	0.03830		mg/l	0.00100	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Iron, Total	3.84		mg/l	0.0500	0.0130	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Lead, Total	0.09803		mg/l	0.00100	0.00020	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Magnesium, Total	11.1		mg/l	0.0700	0.00243	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Manganese, Total	0.05555		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Mercury, Total	0.00045		mg/l	0.00020	0.00006	1	08/27/14 12:34	08/28/14 19:45	EPA 7470A	1,7470A	AK
Nickel, Total	0.00558		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Potassium, Total	6.96		mg/l	0.150	0.0270	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Selenium, Total	0.00230	J	mg/l	0.00500	0.00030	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Sodium, Total	123.		mg/l	2.00	0.300	20	08/26/14 10:48	08/27/14 10:34	EPA 3005A	1,6020A	KL
Thallium, Total	0.00005	J	mg/l	0.00050	0.00003	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Vanadium, Total	0.01510		mg/l	0.00500	0.00010	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Zinc, Total	0.07307		mg/l	0.01000	0.00120	1	08/26/14 10:48	08/27/14 10:37	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0307		mg/l	0.0100	0.00200	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Antimony, Dissolved	0.00590		mg/l	0.00200	0.00010	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Arsenic, Dissolved	0.00543		mg/l	0.00050	0.00020	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Barium, Dissolved	0.06861		mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1419360
Project Number: 170229002
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-01
Client ID: MW-33_082514
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/25/14 15:00
Date Received: 08/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	59.0		mg/l	2.00	0.640	20	08/26/14 02:02	08/29/14 15:48	NA	1,6020A	KL
Chromium, Dissolved	0.00088	J	mg/l	0.00100	0.00020	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Cobalt, Dissolved	0.00081		mg/l	0.00020	0.00010	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Copper, Dissolved	0.00559		mg/l	0.00100	0.00010	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Iron, Dissolved	0.0523		mg/l	0.0500	0.0130	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Lead, Dissolved	0.00254		mg/l	0.00100	0.00020	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Magnesium, Dissolved	10.8		mg/l	0.0700	0.0230	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Manganese, Dissolved	0.03402		mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 11:04	08/28/14 19:17	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00287		mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Potassium, Dissolved	5.77		mg/l	0.100	0.0270	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Selenium, Dissolved	0.00196	J	mg/l	0.00500	0.00030	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Sodium, Dissolved	98.5		mg/l	2.00	0.300	20	08/26/14 02:02	08/29/14 15:48	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Vanadium, Dissolved	0.00810		mg/l	0.00500	0.00010	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL
Zinc, Dissolved	0.02459		mg/l	0.01000	0.00120	1	08/26/14 02:02	08/29/14 15:51	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-02
Client ID: G1_GWFB01_082514
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/25/14 15:45
Date Received: 08/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Antimony, Total	0.00140	J	mg/l	0.00300	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Chromium, Total	0.00047	J	mg/l	0.00100	0.00020	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Copper, Total	0.00081	J	mg/l	0.00100	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/27/14 12:34	08/28/14 20:16	EPA 7470A	1,7470A	AK
Nickel, Total	0.00014	J	mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Potassium, Total	0.0668	J	mg/l	0.150	0.0270	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Sodium, Total	0.0375	J	mg/l	0.100	0.0150	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Vanadium, Total	0.00021	J	mg/l	0.00500	0.00010	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00120	1	08/26/14 10:48	08/27/14 10:30	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Antimony, Dissolved	0.00065	J	mg/l	0.00200	0.00010	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL

Project Name: GREENPOINT LANDING
Lab Number: L1419360
Project Number: 170229002
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-02
Client ID: G1_GWFB01_082514
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/25/14 15:45
Date Received: 08/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Chromium, Dissolved	0.00057	J	mg/l	0.00100	0.00020	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00010	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Copper, Dissolved	0.00093	J	mg/l	0.00100	0.00010	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Manganese, Dissolved	0.00018	J	mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 11:04	08/28/14 19:26	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00015	J	mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Potassium, Dissolved	0.0387	J	mg/l	0.100	0.0270	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Sodium, Dissolved	0.0985	J	mg/l	0.100	0.0150	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	0.00120	1	08/26/14 02:02	08/29/14 14:54	NA	1,6020A	KL

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG716887-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Antimony, Total	0.00206	J	mg/l	0.00300	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Arsenic, Total	ND		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Barium, Total	ND		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.0320	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Chromium, Total	ND		mg/l	0.00100	0.00020	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Cobalt, Total	ND		mg/l	0.00020	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Copper, Total	0.00027	J	mg/l	0.00100	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Iron, Total	ND		mg/l	0.0500	0.0130	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Lead, Total	ND		mg/l	0.00100	0.00020	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Magnesium, Total	ND		mg/l	0.0700	0.00243	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Manganese, Total	ND		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Nickel, Total	ND		mg/l	0.00050	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Potassium, Total	0.130	J	mg/l	0.150	0.0270	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Selenium, Total	ND		mg/l	0.00500	0.00030	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Silver, Total	ND		mg/l	0.00040	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Sodium, Total	0.0331	J	mg/l	0.100	0.0150	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Thallium, Total	ND		mg/l	0.00050	0.00003	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL
Zinc, Total	ND		mg/l	0.01000	0.00120	1	08/26/14 10:48	08/27/14 10:27	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-02 Batch: WG717209-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/27/14 11:04	08/28/14 19:09	1,7470A	AK

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG717260-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/27/14 12:34	08/28/14 19:41	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-02 Batch: WG717338-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00200	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Antimony, Dissolved	0.00114	J	mg/l	0.00200	0.00010	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00020	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Chromium, Dissolved	0.00037	J	mg/l	0.00100	0.00020	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00010	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Copper, Dissolved	0.00072	J	mg/l	0.00100	0.00010	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0130	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00020	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0230	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Manganese, Dissolved	0.00010	J	mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Nickel, Dissolved	0.00014	J	mg/l	0.00050	0.00010	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Potassium, Dissolved	0.0551	J	mg/l	0.100	0.0270	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00030	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00010	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Sodium, Dissolved	0.0668	J	mg/l	0.100	0.0150	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00003	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00010	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

Method Blank Analysis
Batch Quality Control

Zinc, Dissolved	ND	mg/l	0.01000	0.00120	1	08/26/14 02:02	08/29/14 14:50	1,6020A	KL

Prep Information

Digestion Method: NA

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG716887-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	103		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	103		-		80-120	-		
Cadmium, Total	114		-		80-120	-		
Calcium, Total	104		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Cobalt, Total	103		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	102		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	115		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	103		-		80-120	-		
Potassium, Total	84		-		80-120	-		
Selenium, Total	99		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	88		-		80-120	-		
Thallium, Total	98		-		80-120	-		
Vanadium, Total	108		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG716887-2					
Zinc, Total	105	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG717209-2					
Mercury, Dissolved	108	-	70-130	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG717260-2					
Mercury, Total	106	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG717338-2					
Aluminum, Dissolved	99	-	80-120	-	
Antimony, Dissolved	99	-	80-120	-	
Arsenic, Dissolved	97	-	80-120	-	
Barium, Dissolved	96	-	80-120	-	
Beryllium, Dissolved	100	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Calcium, Dissolved	101	-	80-120	-	
Chromium, Dissolved	95	-	80-120	-	
Cobalt, Dissolved	100	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	98	-	80-120	-	
Lead, Dissolved	100	-	80-120	-	
Magnesium, Dissolved	109	-	80-120	-	
Manganese, Dissolved	96	-	80-120	-	
Nickel, Dissolved	97	-	80-120	-	
Potassium, Dissolved	101	-	80-120	-	
Selenium, Dissolved	107	-	80-120	-	
Silver, Dissolved	97	-	80-120	-	
Sodium, Dissolved	104	-	80-120	-	
Thallium, Dissolved	92	-	80-120	-	
Vanadium, Dissolved	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG717338-2					
Zinc, Dissolved	104	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG716887-3 WG716887-4 QC Sample: L1419360-01 Client ID: MW-33_082514

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Aluminum, Total	1.85	2	3.58	86		3.71	93		75-125	4		20
Antimony, Total	0.00395	0.5	0.5020	100		0.5170	103		75-125	3		20
Arsenic, Total	0.00994	0.12	0.1179	90		0.1277	98		75-125	8		20
Barium, Total	0.1336	2	2.132	100		2.154	101		75-125	1		20
Beryllium, Total	0.00014J	0.05	0.05198	104		0.05350	107		75-125	3		20
Cadmium, Total	0.00009J	0.051	0.06520	**128**	Q	0.05316	104		75-125	20		20
Calcium, Total	62.6	10	64.6	**20**	Q	64.9	**23**	Q	75-125	0		20
Chromium, Total	0.00515	0.2	0.2052	100		0.2010	98		75-125	2		20
Cobalt, Total	0.00207	0.5	0.5118	102		0.5322	106		75-125	4		20
Copper, Total	0.03830	0.25	0.2874	100		0.2910	101		75-125	1		20
Iron, Total	3.84	1	4.21	**37**	Q	4.40	**56**	Q	75-125	4		20
Lead, Total	0.09803	0.51	0.6204	102		0.6232	103		75-125	0		20
Magnesium, Total	11.1	10	26.0	**149**	Q	27.1	**160**	Q	75-125	4		20
Manganese, Total	0.05555	0.5	0.5614	101		0.5646	102		75-125	1		20
Nickel, Total	0.00558	0.5	0.4884	96		0.5262	104		75-125	7		20
Potassium, Total	6.96	10	20.0	**130**	Q	21.1	**141**	Q	75-125	5		20
Selenium, Total	0.00230J	0.12	0.132	110		0.130	108		75-125	2		20
Silver, Total	ND	0.05	0.05166	103		0.05204	104		75-125	1		20
Sodium, Total	123.	10	112	**0**	Q	116	**0**	Q	75-125	4		20
Thallium, Total	0.00005J	0.12	0.1198	100		0.1205	100		75-125	1		20
Vanadium, Total	0.01510	0.5	0.5214	101		0.5728	112		75-125	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG716887-3 WG716887-4 QC Sample: L1419360-01 Client ID: MW-33_082514									
Zinc, Total	0.07307	0.5	0.6180	109	0.6034	106	75-125	2	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717209-3 WG717209-4 QC Sample: L1419360-01 Client ID: MW-33_082514									
Mercury, Dissolved	ND	0.005	0.00502	100	0.00491	98	75-125	2	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717260-3 WG717260-4 QC Sample: L1419360-01 Client ID: MW-33_082514									
Mercury, Total	0.00045	0.005	0.00553	101	0.00557	102	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717338-3 WG717338-4 QC Sample: L1419360-01 Client ID: MW-33_082514

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Aluminum, Dissolved	0.0307	2	2.31	114		2.01	99		75-125	14	20
Antimony, Dissolved	0.00590	0.5	0.4744	94		0.4444	88		75-125	7	20
Arsenic, Dissolved	0.00543	0.12	0.1417	114		0.1255	100		75-125	12	20
Barium, Dissolved	0.06861	2	2.282	111		2.004	97		75-125	13	20
Beryllium, Dissolved	ND	0.05	0.05818	116		0.05098	102		75-125	13	20
Cadmium, Dissolved	ND	0.051	0.06090	119		0.05276	103		75-125	14	20
Calcium, Dissolved	59.0	10	68.9	99		60.8	**18**	Q	75-125	12	20
Chromium, Dissolved	0.00088J	0.2	0.2282	114		0.1923	96		75-125	17	20
Cobalt, Dissolved	0.00081	0.5	0.5866	117		0.4986	100		75-125	16	20
Copper, Dissolved	0.00559	0.25	0.2966	116		0.2604	102		75-125	13	20
Iron, Dissolved	0.0523	1	1.18	113		0.973J	**0**	Q	75-125	NC	20
Lead, Dissolved	0.00254	0.51	0.5932	116		0.5116	100		75-125	15	20
Magnesium, Dissolved	10.8	10	25.0	**142**	Q	21.9	111		75-125	13	20
Manganese, Dissolved	0.03402	0.5	0.6034	114		0.5156	96		75-125	16	20
Nickel, Dissolved	0.00287	0.5	0.5670	113		0.4856	96		75-125	15	20
Potassium, Dissolved	5.77	10	18.8	**130**	Q	17.0	112		75-125	10	20
Selenium, Dissolved	0.00196J	0.12	0.150	125		0.132	110		75-125	13	20
Silver, Dissolved	ND	0.05	0.05388	108		0.04818	96		75-125	11	20
Sodium, Dissolved	98.5	10	107	85		94.3	**0**	Q	75-125	13	20
Thallium, Dissolved	ND	0.12	0.1261	105		0.1111	92		75-125	13	20
Vanadium, Dissolved	0.00810	0.5	0.5994	118		0.5228	103		75-125	14	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG717338-3 WG717338-4 QC Sample: L1419360-01 Client ID: MW-33_082514									
Zinc, Dissolved	0.02459	0.5	0.6346	122	0.5374	102	75-125	17	20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-01
Client ID: MW-33_082514
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/25/14 15:00
Date Received: 08/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	08/28/14 11:06	107,-	JO
Cyanide, Total	0.006		mg/l	0.005	0.001	1	08/26/14 10:45	08/27/14 13:01	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/26/14 03:00	08/26/14 03:38	1,7196A	DE

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

SAMPLE RESULTS

Lab ID: L1419360-02
Client ID: G1_GWFB01_082514
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 08/25/14 15:45
Date Received: 08/25/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	08/28/14 11:06	107,-	JO
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	08/26/14 10:45	08/27/14 13:04	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/26/14 03:00	08/26/14 03:39	1,7196A	DE

Project Name: GREENPOINT LANDING **Lab Number:** L1419360

Project Number: 170229002 **Report Date:** 09/02/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG716787-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/26/14 03:00	08/26/14 03:33	1,7196A	DE
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG716856-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/26/14 10:45	08/27/14 12:54	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG716787-2								
Chromium, Hexavalent	103		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG716856-2 WG716856-3								
Cyanide, Total	103		102		80-120	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG716787-4 WG716787-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
Chromium, Hexavalent	ND	0.1	0.101	101		0.098	98		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG716856-4 WG716856-5 QC Sample: L1419360-01 Client ID: MW-33_082514												
Cyanide, Total	0.006	0.2	0.203	98		0.202	98		80-120	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG716787-3 QC Sample: L1419360-01 Client ID: MW-33_082514						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419360-01A	Vial HCl preserved	D	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1419360-01A1	Vial HCl preserved	D	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1419360-01A2	Vial HCl preserved	D	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1419360-01B	Vial HCl preserved	D	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1419360-01B1	Vial HCl preserved	D	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1419360-01B2	Vial HCl preserved	D	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1419360-01C	Vial HCl preserved	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1419360-01C1	Vial HCl preserved	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1419360-01C2	Vial HCl preserved	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1419360-01D	Plastic 250ml NaOH preserved	D	>12	4.1	Y	Absent	TCN-9010(14)
L1419360-01D1	Plastic 250ml NaOH preserved	C	>12	3.9	Y	Absent	TCN-9010(14)
L1419360-01D2	Plastic 250ml NaOH preserved	C	>12	3.9	Y	Absent	TCN-9010(14)
L1419360-01E	Plastic 500ml unpreserved	D	7	4.1	Y	Absent	HEXCR-7196(1)
L1419360-01E1	Plastic 500ml unpreserved	C	7	3.9	Y	Absent	HEXCR-7196(1)
L1419360-01E2	Plastic 500ml unpreserved	A	7	3.6	Y	Absent	HEXCR-7196(1)
L1419360-01F	Plastic 500ml HNO3 preserved	D	<2	4.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419360-01F1	Plastic 500ml HNO3 preserved	C	<2	3.9	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419360-01F2	Plastic 500ml HNO3 preserved	A	<2	3.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419360-01G	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	FILTER-MET(1)
L1419360-01G1	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	FILTER-MET(1)
L1419360-01G2	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	FILTER-MET(1)
L1419360-01H	Amber 500ml unpreserved	D	7	4.1	Y	Absent	NYTCL-8081(7)
L1419360-01H1	Amber 500ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8081(7)
L1419360-01H2	Amber 500ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8081(7)
L1419360-01I	Amber 500ml unpreserved	C	7	3.9	Y	Absent	NYTCL-8081(7)
L1419360-01I1	Amber 500ml unpreserved	C	7	3.9	Y	Absent	NYTCL-8081(7)
L1419360-01I2	Amber 500ml unpreserved	D	7	4.1	Y	Absent	NYTCL-8081(7)
L1419360-01J	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419360-01J1	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419360-01J2	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419360-01K	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419360-01K1	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419360-01K2	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419360-01L	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	HERB-APA(7)
L1419360-01L1	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	HERB-APA(7)
L1419360-01L2	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	HERB-APA(7)
L1419360-01M	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419360-01M1	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	HERB-APA(7)
L1419360-01M2	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	HERB-APA(7)
L1419360-01N	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1419360-01N1	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1419360-01N2	Amber 1000ml unpreserved	D	7	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1419360-01O	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	NYTCL-8082-1200ML(7)
L1419360-01O1	Amber 1000ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1419360-01O2	Amber 500ml unpreserved	A	7	3.6	Y	Absent	NYTCL-8082-1200ML(7)
L1419360-01X	Plastic 120ml HNO3 preserved spl	D	<2	4.1	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419360-02A	Vial HCl preserved	B	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1419360-02B	Vial HCl preserved	B	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1419360-02C	Vial HCl preserved	B	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1419360-02D	Plastic 250ml NaOH preserved	B	>12	3.4	Y	Absent	TCN-9010(14)
L1419360-02E	Plastic 500ml unpreserved	B	7	3.4	Y	Absent	HEXCR-7196(1)
L1419360-02F	Plastic 500ml HNO3 preserved	B	<2	3.4	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1419360-02G	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	FILTER-MET(1)
L1419360-02H	Amber 500ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8081(7)
L1419360-02I	Amber 500ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8081(7)
L1419360-02J	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419360-02K	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1419360-02L	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	HERB-APA(7)
L1419360-02M	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1419360
Report Date: 09/02/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1419360-02N	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1419360-02O	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	NYTCL-8082-1200ML(7)
L1419360-02X	Plastic 120ml HNO3 preserved spl	B	<2	3.4	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1419360-03A	Vial HCl preserved	D	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1419360-03B	Vial HCl preserved	D	N/A	4.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419360
Project Number:	170229002	**Report Date:**	09/02/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419360
Project Number:	170229002	**Report Date:**	09/02/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1419360
Project Number:	170229002	**Report Date:**	09/02/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (ME□□), Tert-butyl alcohol, 2-He□anone, Tetrahydro□uran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIB□□), Carbon disul□ide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, T□N, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil □ Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl□ **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na□**EPA 245.1:** Mercury□
EPA 300.0: Nitrate-N, Fluoride, Sul□ate□**EPA 353.2**: Nitrate-N, Nitrite-N□**SM4500NO3-F**: Nitrate-N, Nitrite-N□**SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,□n□
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,□,Se,Ag,Na,Sr,Ti,Tl,V,□n□
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons □ Aromatics,
EPA 608: Chlordane, To□aphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosul□an I, Endosul□an II, Endosul□an sul□ate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epo□ide, PCBs
EPA 625: SVOC (Acid/Base/Neutral E□tractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing o□analytes and methods, please contact your Alpha Pro□ect Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Serial No:09021416:02

Date Rec'd in Lab: 8-25-14

ALPHA Job #: L1419360

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: LANGAN, D.P.C.
Address:
Phone:
Fax:
Email: guyka@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MINI RANGOMODEISKY
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9-2-14 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC
Criteria: TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE EDDs
2) PROVIDE ASP CAT B DELIVERABLES

ANALYSIS: VOCs (TM TU), SVOCs (TM TU), PCBs (TM TU), PESTs (TM TU), METALS (TM TU), METALS (DISSOLVED) (TM TU), HEX CHROM, TCL CYANIDE

SAMPLE HANDLING
Filtration: ☐ Done ☐ Not needed ☐ Lab to do
Preservation: ☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	PESTs	METALS	METALS (DISSOLVED)	HEX CHROM	TCL CYANIDE	Sample Specific Comments	TOTAL # BOTTLES
19360 -01	MW-33_082514	8/25/14	15:00	GW	[illegible]	X	X	X	X	X		X	X	(1) 1L AMBER, (2) 500ML PLASTIC, (3) PLASTIC, (3) 40ML VOAs.	
02	MW-33_082514_MS					X	X	X	X	X		X	X		
03	MW-33_082514_MSD					X	X	X	X	X		X	X		
04	G1_GWFB01_082514		15:45	AQ.		X	X	X	X	X		X	X		
05	G1_GWTB01_082514		—	AQ.		X								(2) 40ML VOAs	

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/25/14 1605	[signature]	8-25-14 1607
[signature]	8-25-14 2315	[signature]	8-25-14 2315
Tom Toher	8-25-14 2315	[signature]	~~22~~ 8-25-14 2315

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX I

ANALYTICAL LABORATORY CERTIFICATION

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Bacteriology	
Coliform, Total / E. coli (Qualitative)	SM 18-22 9223B (-97) (Colilert)
Standard Plate Count	SM 18-22 9215B (-00)
Drinking Water Metals I	
Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Drinking Water Metals II	
Aluminum, Total	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4
Drinking Water Metals II	
Beryllium, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Drinking Water Metals III	
Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4
Drinking Water Miscellaneous	
Organic Carbon, Total	SM 19-22 5310C (-00)
Perchlorate	EPA 332.0 Rev. 1
Turbidity	SM 18-22 2130 B (-01)
	EPA 180.1 Rev. 2.0
Drinking Water Non-Metals	
Alkalinity	SM 18-22 2320B (-97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 18-22 2120B (-01)
Cyanide	SM 18-22 4500-CN E (-99)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-22 4500-F C (-97)
Nitrate (as N)	SM 18-22 4500-NO3 F (-00)
Nitrite (as N)	SM 18-22 4500-NO3 F (-00)
Solids, Total Dissolved	SM 18-22 2540C (-97)

Serial No.: 50510

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER All approved analytes are listed below:

Drinking Water Non-Metals

Specific Conductance	SM 18-22 2510B (-97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1

Drinking Water Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2

Fuel Additives

Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2

Microextractibles

1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2

Volatile Aromatics

Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2

Serial No.: 50510

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No. 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Volatile Halocarbons

1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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Acrylates

Acrolein (Propenal)	EPA 8260C
	EPA 624
Acrylonitrile	EPA 8260C
	EPA 624
Ethyl methacrylate	EPA 8260C

Amines

1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 625
	EPA 8270D
Pyridine	EPA 625
	EPA 8270D

Bacteriology

Coliform, Fecal	SM 9221C,E-06
	SM 9222D-97,-11
Coliform, Total	SM 9221B-06
	SM 9222B-97,-11
Standard Plate Count	SM 18-21 9215B

Benzidines

3,3'-Dichlorobenzidine	EPA 625

Benzidines

3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 625
	EPA 8270D

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
	EPA 608
4,4'-DDE	EPA 8081B
	EPA 608
4,4'-DDT	EPA 8081B
	EPA 608
Aldrin	EPA 8081B
	EPA 608
alpha-BHC	EPA 8081B
	EPA 608
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
	EPA 608
Chlordane Total	EPA 8081B
	EPA 608
delta-BHC	EPA 8081B
	EPA 608
Dieldrin	EPA 8081B
	EPA 608
Endosulfan I	EPA 8081B
	EPA 608

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Chlorinated Hydrocarbon Pesticides

Endosulfan II	EPA 8081B
	EPA 608
Endosulfan sulfate	EPA 8081B
	EPA 608
Endrin	EPA 8081B
	EPA 608
Endrin aldehyde	EPA 8081B
	EPA 608
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
	EPA 608
Heptachlor epoxide	EPA 8081B
	EPA 608
Lindane	EPA 8081B
	EPA 608
Methoxychlor	EPA 8081B
	EPA 608
Toxaphene	EPA 8081B
	EPA 608

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D

Chlorinated Hydrocarbons

2-Chloronaphthalene	EPA 625
	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270D

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dinoseb	EPA 8151A

Demand

Biochemical Oxygen Demand	SM 5210B-01,-11
Carbonaceous BOD	SM 5210B-01,-11
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
	SM 5220D-97,-11

Fuel Oxygenates

Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8260C

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Fuel Oxygenates

Methyl tert-butyl ether	EPA 8260C
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260C

Haloethers

4-Bromophenylphenyl ether	EPA 625
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 625
	EPA 8270D

Low Level Polynuclear Aromatics

Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatics

Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM

Mineral

Acidity	SM 2310B-97,-11
Alkalinity	SM 2320B-97,-11
Chloride	EPA 300.0 Rev. 2.1
	SM 4500-Cl- E-97,-11
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 4500-F C-97,-11
Hardness, Total	EPA 200.7 Rev. 4.4
	SM 2340B-97,-11
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
	SM 4500-SO4 E-97,-11

Nitroaromatics and Isophorone

1,3-Dinitrobenzene	EPA 8270D
2,4-Dinitrotoluene	EPA 625
	EPA 8270D
2,6-Dinitrotoluene	EPA 625
	EPA 8270D
Isophorone	EPA 625

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Nitroaromatics and Isophorone

Isophorone	EPA 8270D
Nitrobenzene	EPA 625
	EPA 8270D

Nitrosoamines

N-Nitrosodimethylamine	EPA 625
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270D

Nutrient

Ammonia (as N)	SM 4500-NH3 H-97,-11
	EPA 350.1 Rev. 2.0
Kjeldahl Nitrogen, Total	EPA 351.1 Rev. 1978
	LACHAT 10-107-06-2
Nitrate (as N)	EPA 353.2 Rev. 2.0
	EPA 300.0 Rev. 2.1
	SM 4500-NO3 F-00,-11
Nitrite (as N)	EPA 353.2 Rev. 2.0
	SM 4500-NO3 F-00,-11
	SM 4500-NO2 B-00,-11
Orthophosphate (as P)	SM 4500-P E-99,-11
Phosphorus, Total	SM 4500-P E-99,-11

Organophosphate Pesticides

Atrazine	EPA 8270D
Parathion ethyl	EPA 8270D
Thionazin	EPA 8270D

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C

Phthalate Esters

Benzyl butyl phthalate	EPA 625
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Di-n-octyl phthalate	EPA 625
	EPA 8270D

Polychlorinated Biphenyls

PCB-1016	EPA 8082A
	EPA 608
PCB-1221	EPA 8082A
	EPA 608

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Polychlorinated Biphenyls

PCB-1232	EPA 8082A
	EPA 608
PCB-1242	EPA 8082A
	EPA 608
PCB-1248	EPA 8082A
	EPA 608
PCB-1254	EPA 8082A
	EPA 608
PCB-1260	EPA 8082A
	EPA 608
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A

Polynuclear Aromatics

Acenaphthene	EPA 625
	EPA 8270D
Acenaphthylene	EPA 625
	EPA 8270D
Anthracene	EPA 625
	EPA 8270D
Benzo(a)anthracene	EPA 625
	EPA 8270D
Benzo(a)pyrene	EPA 625
	EPA 8270D
Benzo(b)fluoranthene	EPA 625
	EPA 8270D

Polynuclear Aromatics

Benzo(ghi)perylene	EPA 625
	EPA 8270D
Benzo(k)fluoranthene	EPA 625
	EPA 8270D
Chrysene	EPA 625
	EPA 8270D
Dibenzo(a,h)anthracene	EPA 625
	EPA 8270D
Fluoranthene	EPA 625
	EPA 8270D
Fluorene	EPA 625
	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625
	EPA 8270D
Naphthalene	EPA 625
	EPA 8270D
Phenanthrene	EPA 625
	EPA 8270D
Pyrene	EPA 625
	EPA 8270D

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625

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Priority Pollutant Phenols

2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270D
2-Chlorophenol	EPA 625
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270D
2-Methylphenol	EPA 625
	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 625
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625
	EPA 8270D
Pentachlorophenol	EPA 625
	EPA 8270D
Phenol	EPA 625
	EPA 8270D

Residue

Solids, Total	SM 2540 B-97,-11
Solids, Total Dissolved	SM 2540 C-97,-11
Solids, Total Suspended	SM 2540 D-97,-11

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
	EPA 624
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
	EPA 624
1,4-Dichlorobenzene	EPA 8260C
	EPA 624

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Volatile Aromatics

2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
	EPA 624
Chlorobenzene	EPA 8260C
	EPA 624
Ethyl benzene	EPA 8260C
	EPA 624
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
	EPA 624
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
	EPA 624
Total Xylenes	EPA 8260C
	EPA 624

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C

Volatile Halocarbons

1,1,1-Trichloroethane	EPA 8260C
	EPA 624
1,1,2,2-Tetrachloroethane	EPA 8260C
	EPA 624
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
	EPA 624
1,1-Dichloroethane	EPA 8260C
	EPA 624
1,1-Dichloroethene	EPA 8260C
	EPA 624
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
	EPA 8011
1,2-Dibromoethane	EPA 8260C
	EPA 8011
1,2-Dichloroethane	EPA 8260C
	EPA 624
1,2-Dichloropropane	EPA 8260C
	EPA 624
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
	EPA 624
Bromochloromethane	EPA 8260C

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Volatile Halocarbons

Bromodichloromethane	EPA 8260C
	EPA 624
Bromoform	EPA 8260C
	EPA 624
Bromomethane	EPA 8260C
	EPA 624
Carbon tetrachloride	EPA 8260C
	EPA 624
Chloroethane	EPA 8260C
	EPA 624
Chloroform	EPA 8260C
	EPA 624
Chloromethane	EPA 8260C
	EPA 624
cis-1,2-Dichloroethene	EPA 8260C
	EPA 624
cis-1,3-Dichloropropene	EPA 8260C
	EPA 624
Dibromochloromethane	EPA 8260C
	EPA 624
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
	EPA 624
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
	EPA 624

Volatile Halocarbons

Tetrachloroethene	EPA 8260C
	EPA 624
trans-1,2-Dichloroethene	EPA 8260C
	EPA 624
trans-1,3-Dichloropropene	EPA 8260C
	EPA 624
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
	EPA 624
Trichlorofluoromethane	EPA 8260C
	EPA 624
Vinyl chloride	EPA 8260C
	EPA 624

Volatiles Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
n-Butanol	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Volatiles Organics

Vinyl acetate	EPA 8260C

Wastewater Metals I

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Calcium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Lead, Total	EPA 200.7 Rev. 4.4

Wastewater Metals I

Lead, Total	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Magnesium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Potassium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Sodium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A

Serial No.: 50511

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. CHRISTOPHER WAKEFIELD
ALPHA ANALYTICAL
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER All approved analytes are listed below:

Wastewater Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Chromium VI	EPA 7196A
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A

Wastewater Metals II

Vanadium, Total	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4

Wastewater Metals III

Cobalt, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
	EPA 200.8 Rev. 5.4
Tin, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Titanium, Total	EPA 200.7 Rev. 4.4

Wastewater Miscellaneous

Boron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Bromide	EPA 300.0 Rev. 2.1

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Wastewater Miscellaneous

Color	SM 2120B-01,-11
Cyanide, Total	SM 4500-CN E-99,-11
Formaldehyde	EPA 8315A
Oil and Grease Total Recoverable (HEM	EPA 1664A
	EPA 1664B
Organic Carbon, Total	SM 5310C-00,-11
Phenols	EPA 420.1 Rev. 1978
Silica, Dissolved	EPA 200.7 Rev. 4.4
Specific Conductance	EPA 120.1 Rev. 1982
	SM 2510B-97,-11
Sulfide (as S)	SM 4500-S2- D-00,-11
Surfactant (MBAS)	SM 5540C-00,-11
Total Petroleum Hydrocarbons	EPA 1664A
	EPA 1664B
Turbidity	SM 2130 B-01,-11
	EPA 180.1 Rev. 2.0

Sample Preparation Methods

	EPA 5030C
	SM 4500-CN B or C-99,-11
	EPA 9030B
	EPA 3005A
	EPA 3510C
	SM 4500-NH3 B-97,-11
	EPA 9010C

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Acrylates

Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Ethyl methacrylate	EPA 8260C

Amines

1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D

Benzidines

3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D

Characteristic Testing

Corrosivity	EPA 9040C
	EPA 9045D
Ignitability	EPA 1030
	EPA 1010A
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B

Chlorinated Hydrocarbon Pesticides

4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D

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Chlorinated Hydrocarbons

2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dinoseb	EPA 8151A

Haloethers

4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270D

Low Level Polynuclear Aromatic Hydrocarbons

Acenaphthene Low Level	EPA 8270D SIM
Acenaphthylene Low Level	EPA 8270D SIM
Anthracene Low Level	EPA 8270D SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatic Hydrocarbons

Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
Chrysene Low Level	EPA 8270D SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
Fluoranthene Low Level	EPA 8270D SIM
Fluorene Low Level	EPA 8270D SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
Naphthalene Low Level	EPA 8270D SIM
Phenanthrene Low Level	EPA 8270D SIM
Pyrene Low Level	EPA 8270D SIM

Metals I

Barium, Total	EPA 6010C
	EPA 6020A
Cadmium, Total	EPA 6010C
	EPA 6020A
Calcium, Total	EPA 6010C
	EPA 6020A
Chromium, Total	EPA 6010C
	EPA 6020A
Copper, Total	EPA 6010C
	EPA 6020A
Iron, Total	EPA 6010C
	EPA 6020A
Lead, Total	EPA 6010C

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Metals I

Lead, Total	EPA 6020A
Magnesium, Total	EPA 6010C
	EPA 6020A
Manganese, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
	EPA 6020A
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C
	EPA 6020A

Metals II

Aluminum, Total	EPA 6010C
	EPA 6020A
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010C

Metals II

Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 6010C
	EPA 6020A

Metals III

Cobalt, Total	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 6010C
	EPA 6020A
Tin, Total	EPA 6010C

Minerals

Chloride	EPA 9251
Sulfate (as SO4)	EPA 9038

Miscellaneous

Boron, Total	EPA 6010C
Cyanide, Total	EPA 9014
	EPA 9012B
Phenols	EPA 9065
Specific Conductance	EPA 9050A

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270D

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Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8330A
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D

Organophosphate Pesticides

Parathion ethyl	EPA 8270D

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C

Phthalate Esters

Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D

Polychlorinated Biphenyls

PCB-1016	EPA 8082A

Polychlorinated Biphenyls

PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D

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Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D

Semi-Volatile Organics

Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C

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Volatile Aromatics

tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C

Volatile Halocarbons

Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C

Volatile Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C

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Volatile Organics

Di-ethyl ether	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
n-Butanol	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 3580A
EPA 9030B
EPA 3005A
EPA 3050B
EPA 3540C
EPA 3546
EPA 9010C

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